

CLO/HED# 1.1-1

Criterion #: 6.1.1.7

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

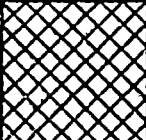




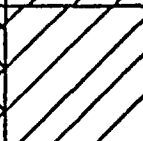
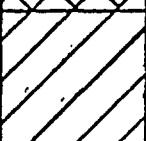

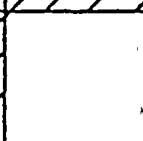
LOW

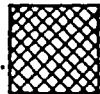
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III

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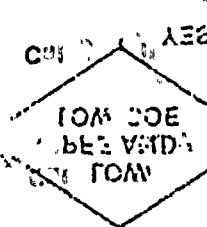
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DATE 11/18/72

DATE 11/18/72

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RECOMMENDATION

LEV

LEV

CLO/HED# 1.1-1

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED    ☐ PARTIALLY APPROVED    ☐ NO ACTION    ☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

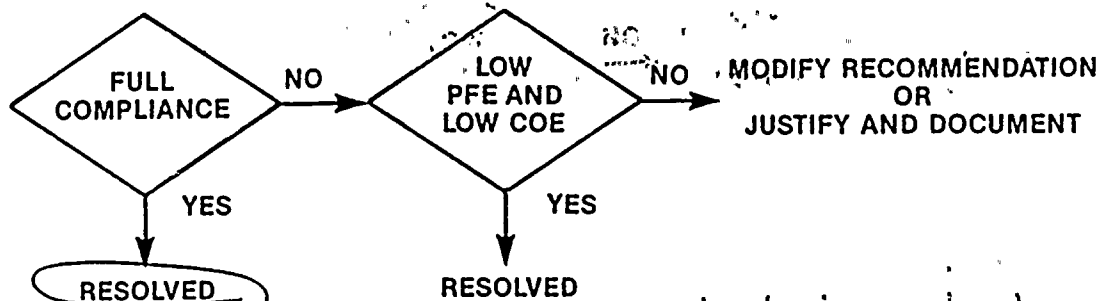
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Administrative controls are in place. The unit supervisor who is in the CR during a given shift can clear the CR of all non-essential personnel. Administrative controls will be enforced and upgraded.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

10/22/85

DATE 11/19/86

55

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

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FORM

# GOVERNMENT RECORD



CLO/HED# 1.1-2

Criterion #: 6.1.5.7a

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

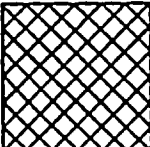
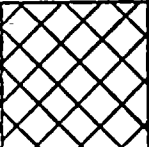
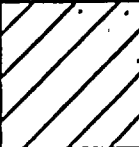
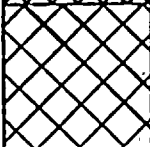
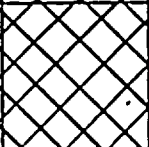
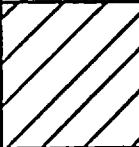
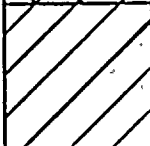
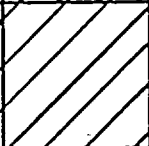

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III

# DISPOSITION RECORD

REVIEW ACTIONS

DATE

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

OTHER

DATE

Yes

LOW MEDIUM HIGH

LOW MEDIUM HIGH

MODIFY RECOMMENDATION  
OR  
JUSTIFY NO DOCUMENT

LOW  
MEDIUM  
HIGH

\_\_\_\_\_

\_\_\_\_\_

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DATE 10/29/82

DATE 11/2/82

CLO/HED#

101-2

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

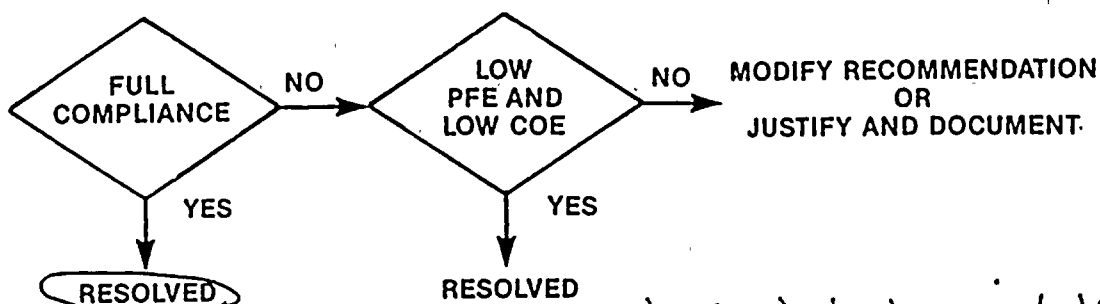
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Carpeting is to be installed in the CR. Also investigating replacing the mats in front of the panels with type suggested in potential backfit. 9/30/85 - Carpeting was installed early '86 and mats were determined to be unnecessary since carpeting has some padding.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

10/22/85

DATE

11/19/86

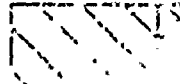
RECORD

LOW MEDIUM HIGH

LOW MEDIUM HIGH

1963

1964



X

ON 12/15/63

1964

1965

1966

1967

CLO/HED# 1.1 -3

Criterion # 6.1.5.7.b (1)(2)(3)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

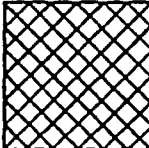
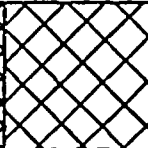
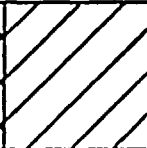
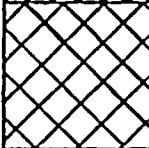
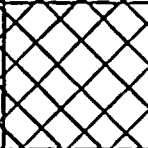
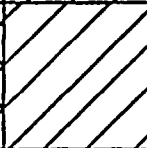
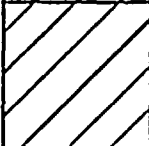
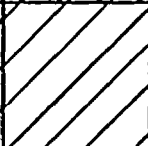

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III

DATE

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28/661012  
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CLO/HED# 1.1-3

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

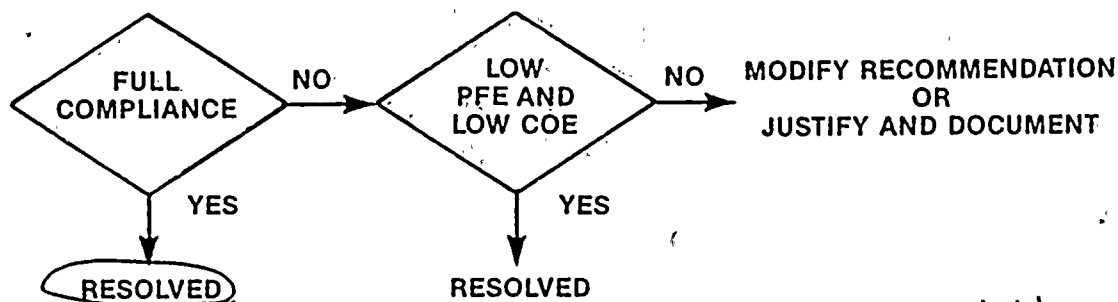
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

A PA speaker will be installed in restroom. A door lock and dead bolt will be installed so restroom can be used by male and female operators, and room will be restricted for use by operators only.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

10/22/85

DATE

11/1986

W22  
1972



CLO/HED# 1.1-4

Criterion# 6.1.3.1a  
6.1.3.1b

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

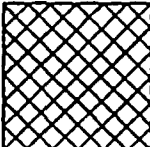
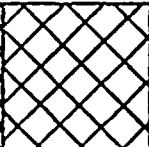
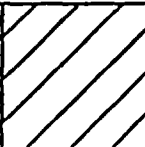
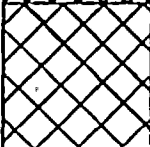
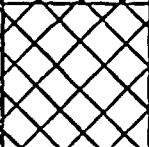
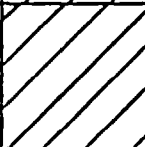

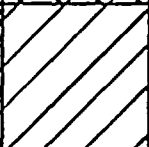

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

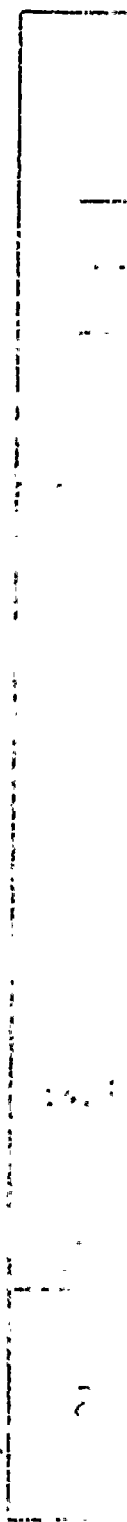
Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 1.1-4

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED☐ PARTIALLY APPROVED☒ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

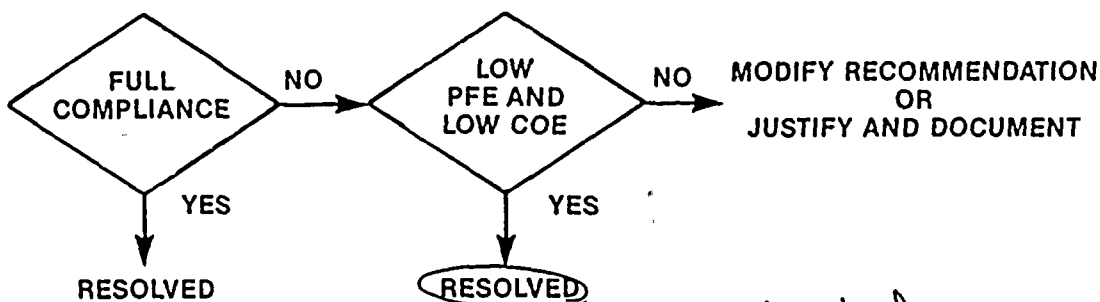
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION

There's a dedicated communications link between CR + SS office. SS has a key to bypass the locked door, any delay would be minimal. A unit supervisor is always on shift in the CR.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 10/22/85

DATE 11/19/86

2

CLO/HED# 1.1-4

Criterion# 6.1.3.1a  
6.1.3.1b

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

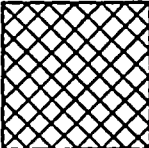
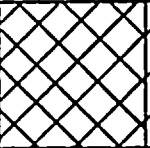
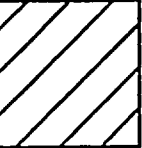
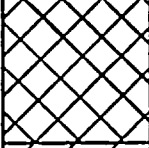
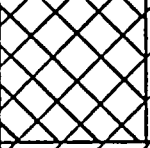
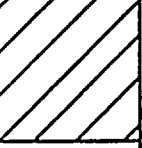



LOW

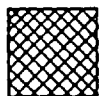
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



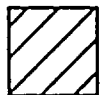
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY IV

CLO/HED# 1.1-5

Criterion # 6.2.1.2 b5  
6.1.1.3 C1

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

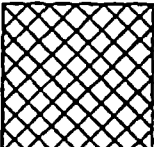
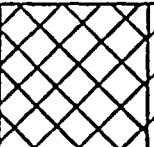
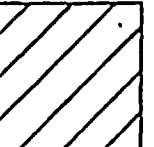
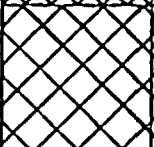
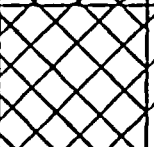
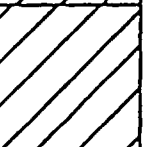
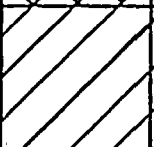
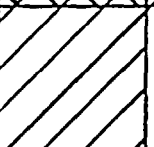
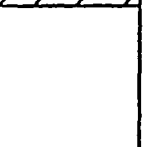




LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |  |   |
|---------------------|--------|---|--|---|
|                     |        | High  | Medium   | Low   |
| Potential For Error | High   |    |   |   |
|                     | Medium |    |   |   |
|                     | Low    |   |  |  |
|                     |        |  | Category I -- High priority; corrective action should be taken.                    |   |
|                     |        |  | Category II -- Medium priority; corrective action is highly recommended.           |   |
|                     |        |  | Category III -- Low priority; corrective action is recommended.                    |   |
|                     |        |  | Category IV -- No corrective action necessary, but should be considered.           |   |

ASSESSMENT CATEGORY II

CLO/HED# 1.1-5

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

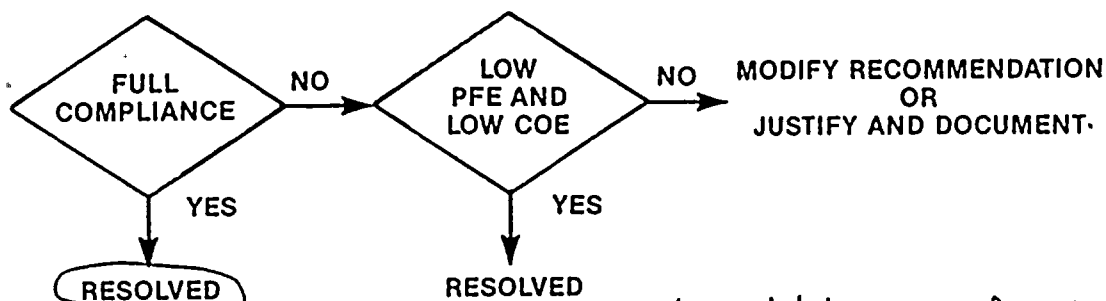
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

The mats will be fixed (also see HED# 1.1-2). The metal plate has been recessed flush with floor and box has been replaced with table. The possibility of retractable phone cords will be investigated.

9/30/86 The mats have been replaced with carpet. Phone cords are not now a problem.

SIGNOFF

H.F. CONSULTANT (ESSEX)

T

DATE

10/22/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE

1/1/86





CLO/HED# 1.1-6

Criterion# 6.1.2.7 db

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

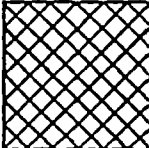
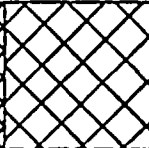
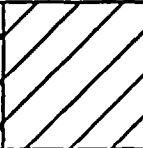
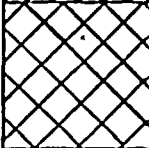
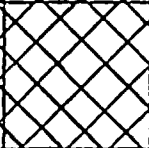




LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# 1.1-6

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☐ APPROVED

☐ PARTIALLY APPROVED

☒ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

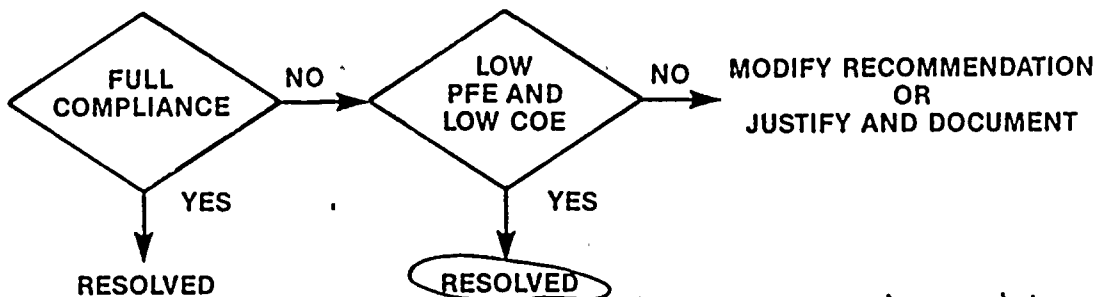
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Operators do not need to sit close-in to console, no modification recommended by HF consultant.

#### SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

AEPSC PROGRAM LEAD ENGINEER \_\_\_\_\_

DATE 10/22/85

DATE 11/1986



CLO/HED# 1.1-7

Criterion # 6113 e1

# ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

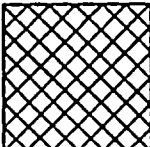
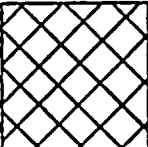
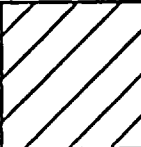
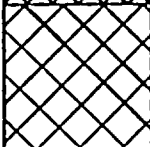
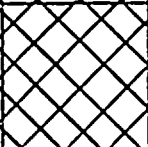

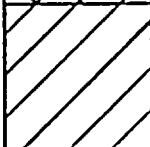
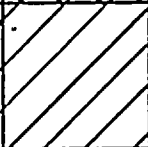

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# 1.1-7

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED☐ PARTIALLY APPROVED☒ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

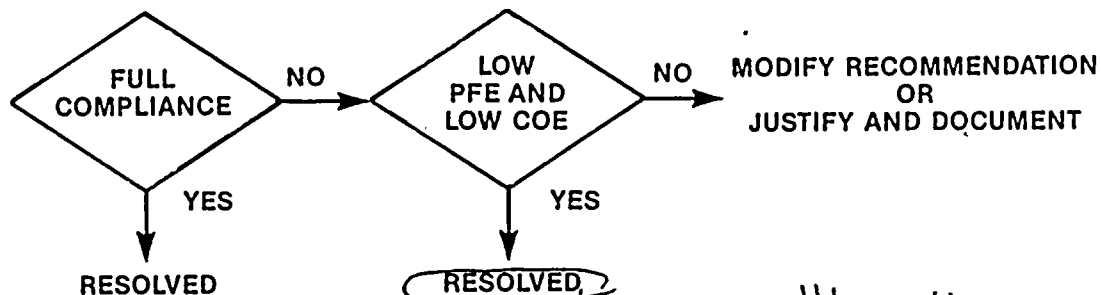
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Distance is 5" less than recommended 36", but is adequate given the limited periods of time for which the computer operator's console is used.

## SIGNOFF

H.F. CONSULTANT (ESSEX) T. [Signature]DATE 6/22/85AEPSC PROGRAM LEAD ENGINEER RFSDATE 11/19/86



CLO/HED# 11-8

Criterion# 6113 g

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

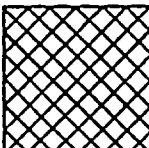
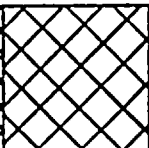
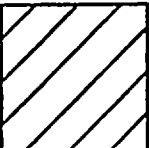
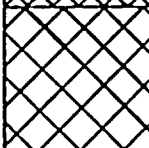
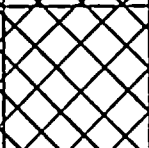
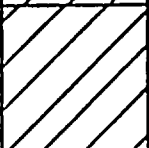
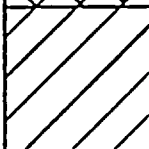
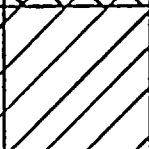
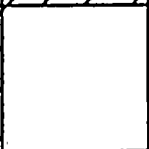
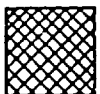

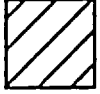

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |  |   |
|---------------------|--------|---|--|---|
|                     |        | High  | Medium   | Low   |
| Potential For Error | High   |    |   |   |
|                     | Medium |    |   |   |
|                     | Low    |   |  |  |
|                     |        |  | Category I -- High priority; corrective action should be taken.                    |   |
|                     |        |  | Category II -- Medium priority; corrective action is highly recommended.           |   |
|                     |        |  | Category III -- Low priority; corrective action is recommended.                    |   |
|                     |        |  | Category IV -- No corrective action necessary, but should be considered.           |   |

ASSESSMENT CATEGORY

III

CLO/HED# 1.1-8

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

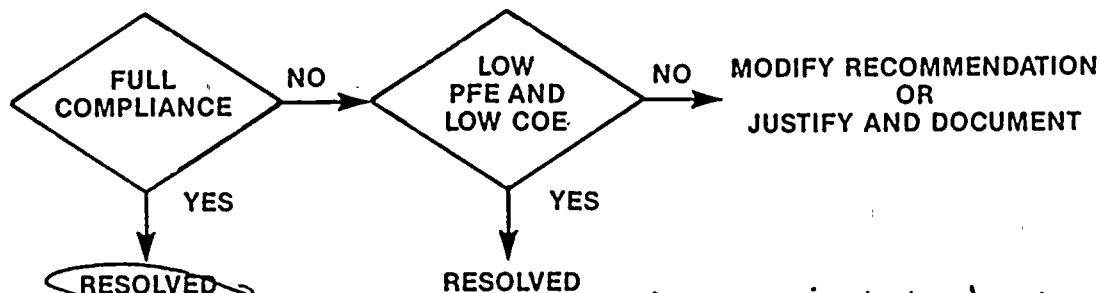
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Removed equipment holes have been covered, and the doors will be replaced on trend recorders. A cover will be considered for the keyboard, especially for noise abatement. Communication and test jacks not considered a problem on vertical panels, i.e. not a violation of guidelines.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 10/22/85

DATE 11/19/86





CLO/HED# 1.1 - 9

Criterion # 6114 a2

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

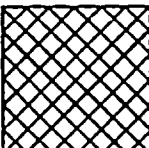
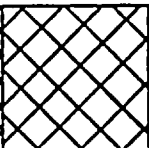
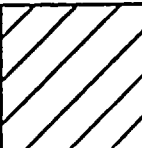
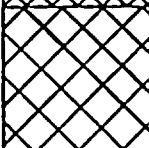
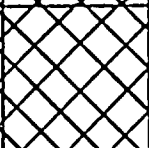

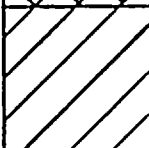
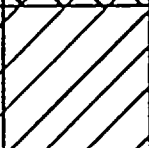

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 11-9

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

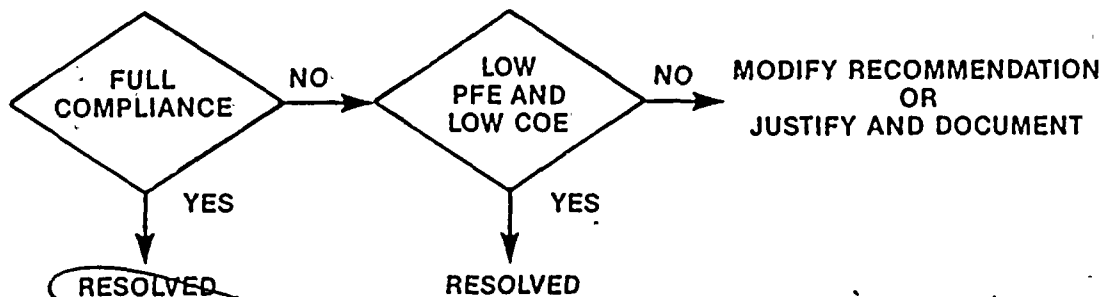
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION New EOPs + AOPs will be put on a roll around cart. Other reference materials will be labeled and stored in a permanent place. 9/30/86 - Has been done.

## SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]DATE 10/22/85AEPSC PROGRAM LEAD ENGINEER RASDATE 11/1986

CLO/HED# 1.1-10

Criterion# 611461

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

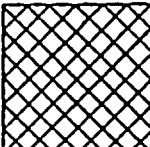
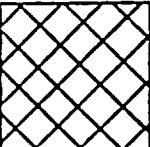
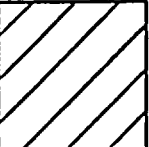
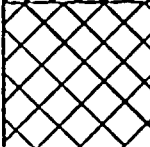
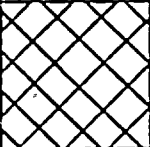
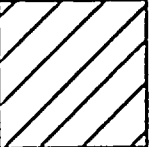
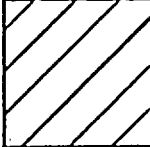






LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|   |        | Consequence Of Error   |  |   |
|---|--------|--|--|---|
|   |        | High   | Medium   | Low   |
| Potential For Error   | High   |   |   |   |
|   | Medium |   |   |   |
|   | Low    |  |  |  |
|  |        | Category I --  | High priority; corrective action should be taken.                                  |   |
|  |        | Category II --   | Medium priority; corrective action is highly recommended.                          |   |
|  |        | Category III --  | Low priority; corrective action is recommended.                                    |   |
|  |        | Category IV --   | No corrective action necessary, but should be considered.                          |   |

ASSESSMENT CATEGORY

II

CLO/HED# 1.1-10

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

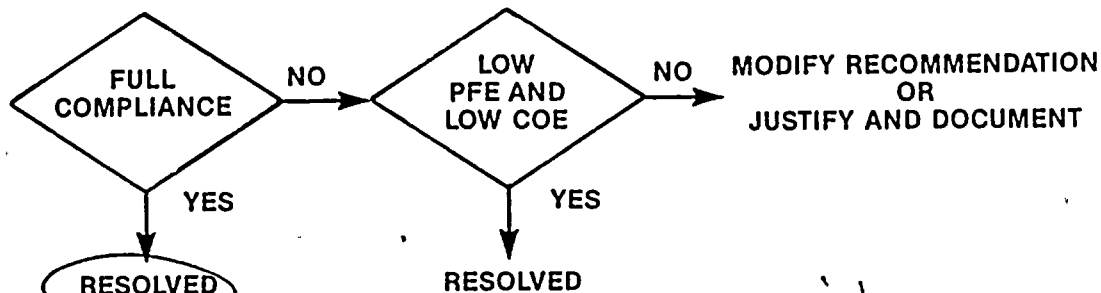
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Documents will be appropriately labeled.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 10/22/85DATE 11/9/86



CLO/HED# 1.1 - 11

Criterion # 6114C2

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

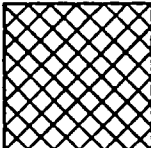
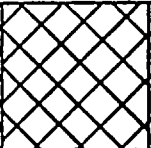
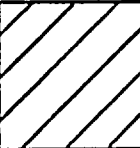
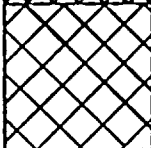
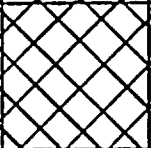
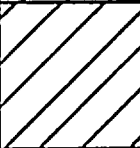
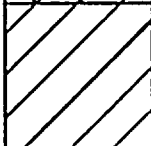
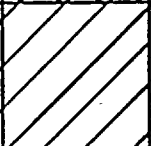

LOW

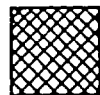
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III





CLO/HED# 1.1-11

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

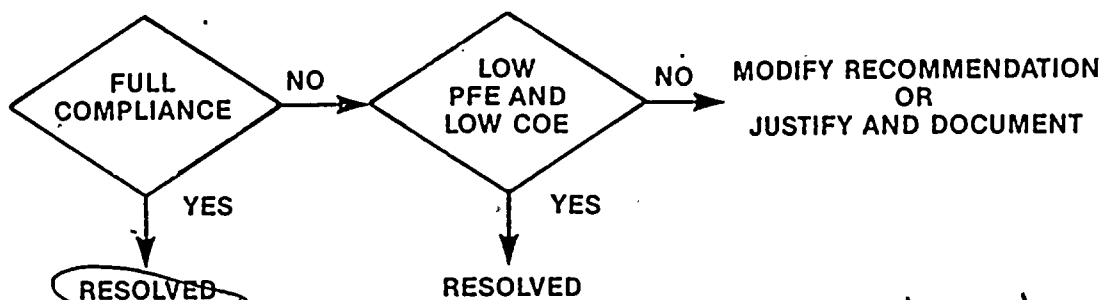
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Storage space has been doubled, procedures now bound fairly loosely. Bookmarks have been provided to prevent loss of place. Computer manual does not have to be accessed regularly.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 10/22/85

DATE 11/9/86



CLO/HED# 1.1 -12

Criterion # 6114d

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

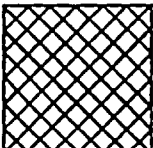
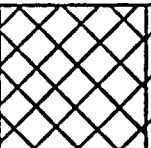

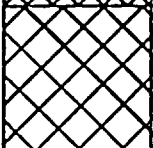
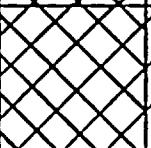

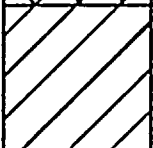
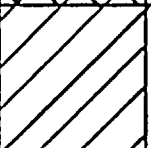

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 1.1-12

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

- ☐ APPROVED ☒ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

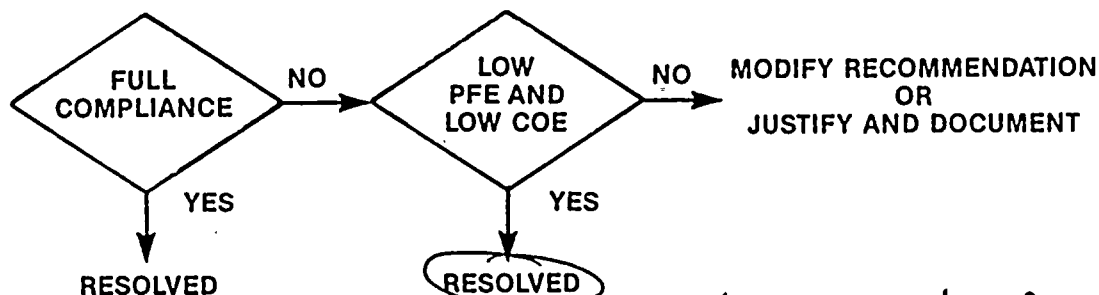
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Documents are replaced frequently so they do not become loose, dog-eared, or dirty

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 10/22/85

DATE 11/19/86

CLO/HED# 1.1 - 13

Criterion # 6128 g

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

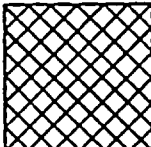
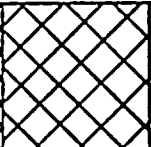
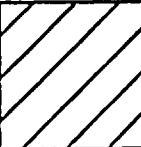
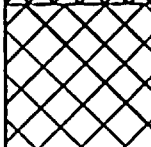
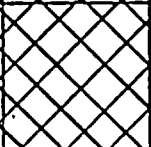

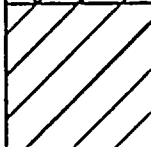
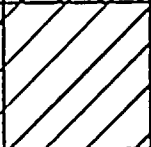

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# 1.1-13

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

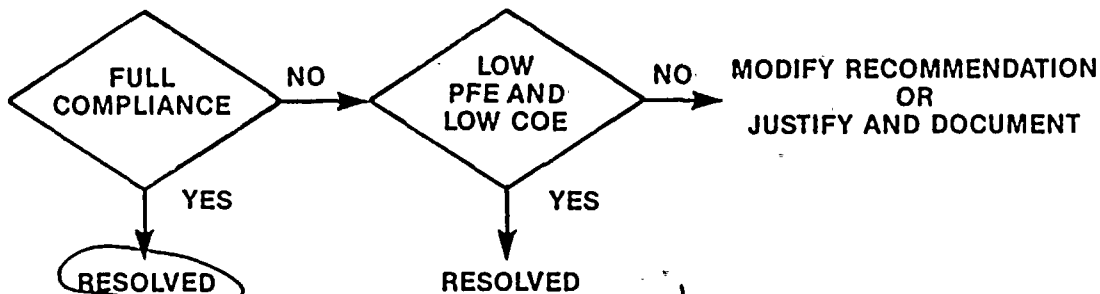
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Chairs adjustable to 17" above floor. When new chairs are bought in about 2 years, they will comply to guideline recommendations, i.e. will have footrests if not adjustable down to within 18" above floor.

## SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

AEPSC PROGRAM LEAD ENGINEER RFSDATE 10/2/85DATE 11/9/86



CLO/HED# 1.1 - 14

Criterion # 6.1.2.8.6.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

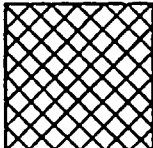
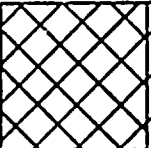

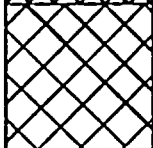
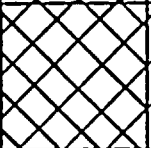

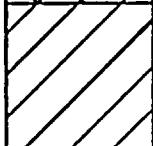
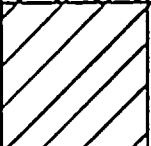

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# 1.1-14

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

- ☐ APPROVED ☐ PARTIALLY APPROVED ☒ NO ACTION ☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

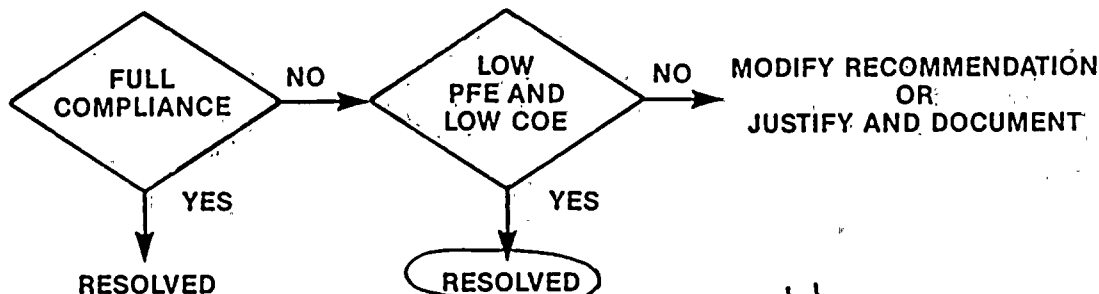
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Only the unit supervisor's chair now has arm rests. Arm rests are considered a potential hazard for accidental activation. Would now not have any chairs with arm rests.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

10/22/85

11/19/86



CLO/HED# 1.1-15

Criteria 1284

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

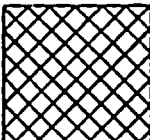
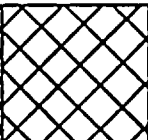
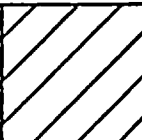
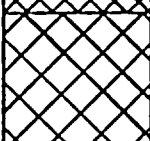
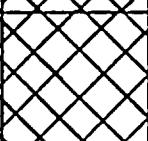

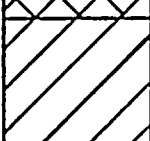
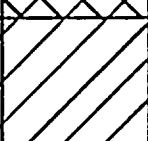
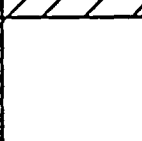
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 1.1-15

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY

\_\_\_\_\_

☐ FURTHER REVIEW BY

\_\_\_\_\_

☐ FURTHER REVIEW BY

\_\_\_\_\_

#### DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

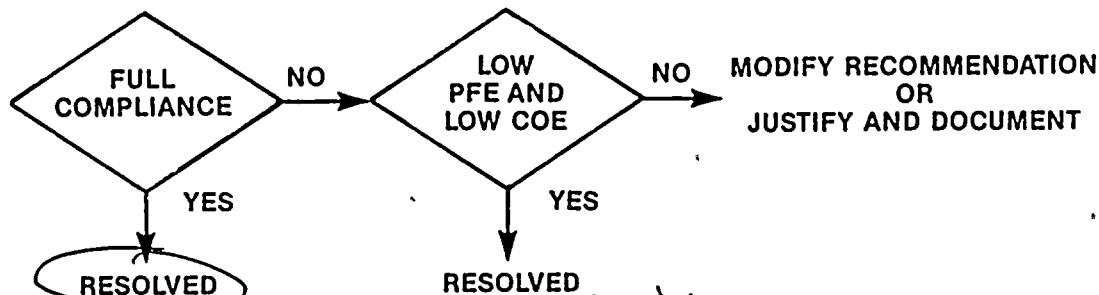
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Plant will buy one chair adjustable down to 15" for each CR and next time (in 2 yrs) chairs are replaced, they will comply with guideline recommendations

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 10/22/85

AEPSC PROGRAM LEAD ENGINEER

RAS

DATE 11/19/86



CLO/HED# 1.2-1

Criterion #: 6.1.2.5 a (1) & (2)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

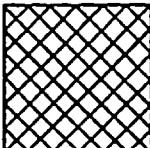
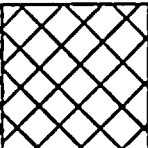

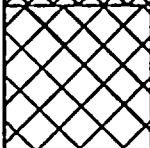
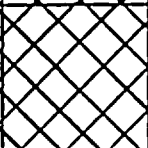

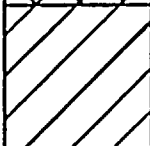
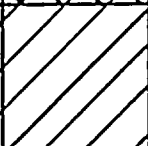

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 1.2-1

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED ☒ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

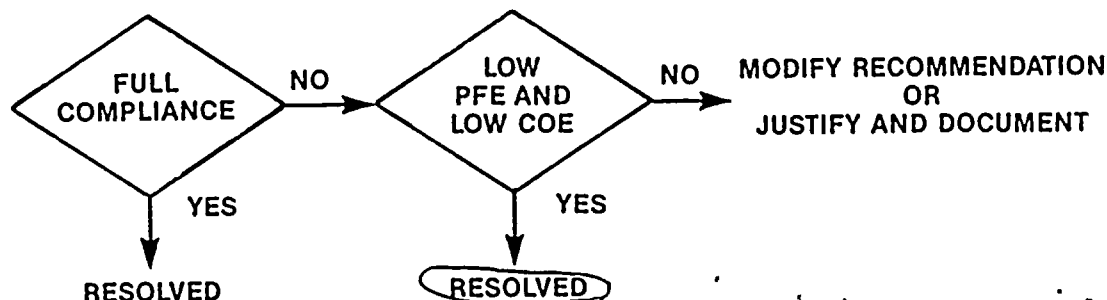
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION All identified controls were considered for criticality, frequency of use, need for precision, and feasibility of rearrangement. Consequently, design is in process for rearrangement of SG, AFW, SPK, RHR, BA, VS, and IV controls. It is not necessary or not feasible to rearrange the remaining controls.

## SIGNOFF

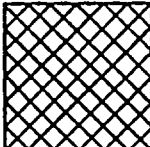
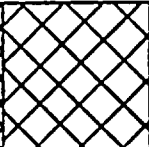

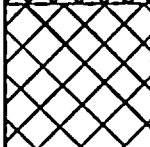
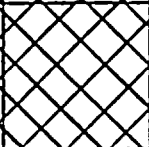

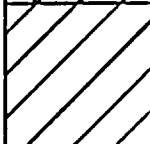


H.F. CONSULTANT (ESSEX) T. J. WorsDATE 9/30/86AEPSC PROGRAM LEAD ENGINEER RFSDATE 11/1986

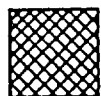
CLO/HED# 1.2-2

Criterion#: 6.1.2.5b(1) & (2)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)      HIGH      MEDIUM      LOW  
CONSEQUENCE OF ERROR (COE)      HIGH      MEDIUM      LOW

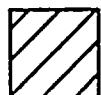
|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



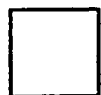
Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED# 1.2-2

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED☒ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

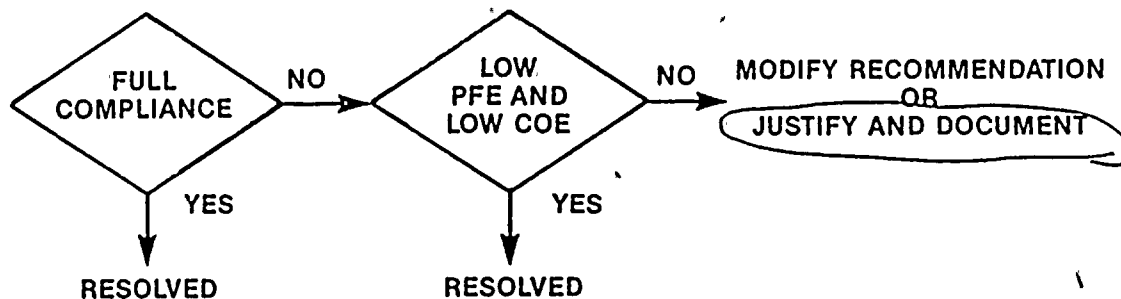
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION *The more critical displays were considered for reengineering, but it was found to be infeasible due to a lack of room. The usability of the displays will be improved by replacing scales, improving lighting, and coding operating bands. The most frequently used displays are tilted forward at 15 degree and in several places oversized indicators are used.*

## SIGNOFF

H.F. CONSULTANT (ESSEX) T. VossDATE 9/30/86AEPSC PROGRAM LEAD ENGINEER RASDATE 1/1/86

CLO/HED# 1.3 -1

Criterion # 6.1.4.3 a

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

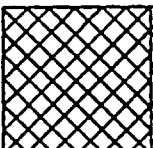
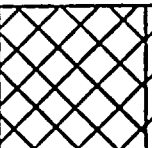

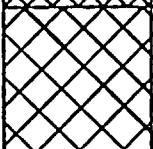
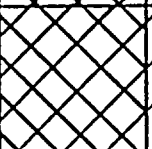

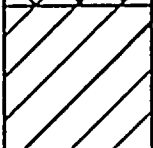
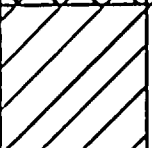

Low

Potential For Error

High

Medium

Low

|        |  |  |   |
|--------|--|--|---|
| High   |   |   |   |
| Medium |   |   |   |
| Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

- ☒ FURTHER REVIEW BY AEPSC / D.C. Cook 10/15/85
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

- ☐ APPROVED ☒ PARTIALLY APPROVED ☐ NO ACTION, ☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

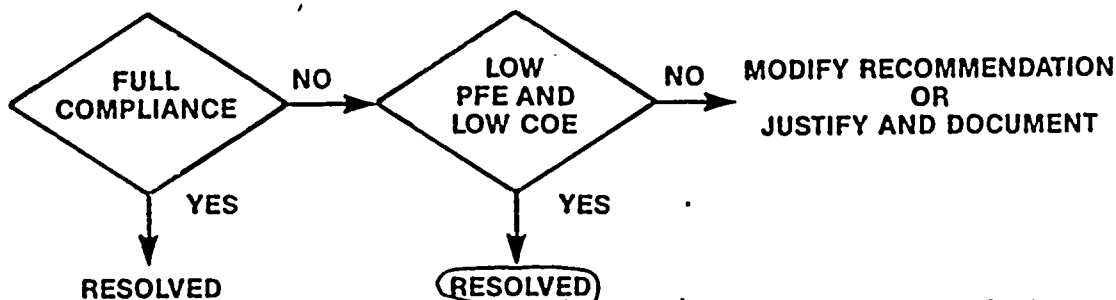
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION Plant security requires that doors  
fail closed, however, several keys are readily available  
including ones in SS office and CR. A Scott Air Pack is now  
in each CR, the rest are stored right outside CR.

## SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/3/86

AEPSC PROGRAM LEAD ENGINEER RAS DATE 11/1986



CLO/HED# 1.3-2

Criterion #: G.1.4.1d

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

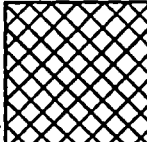


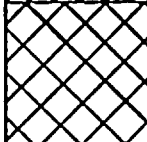


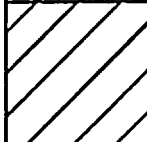

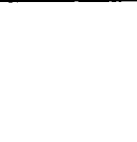
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☒ FURTHER REVIEW BYD.C. Cook Operations10/15/85☒ FURTHER REVIEW BYD.C. Cook Operations12/10/85☐ FURTHER REVIEW BY

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

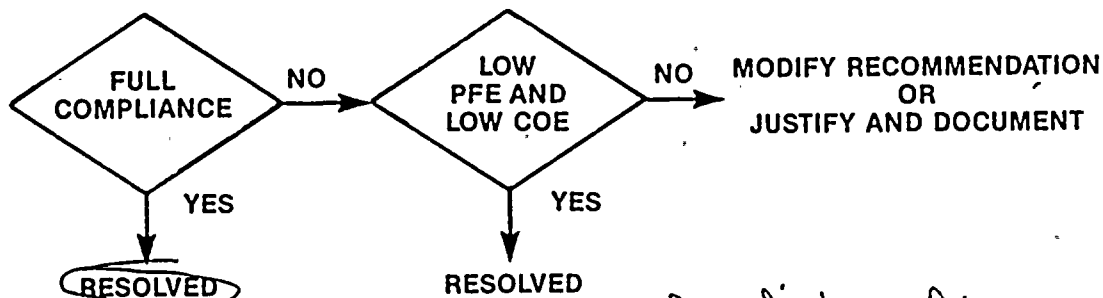
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

8 sets of radiological emergency equipment is stored in the CR area. In case of a CR fire, CR operators would evacuate area and go to Hot Shutdown Panel. CR operators are not on the fire brigade. Shoe covers come in only one size which is large enough to fit everyone.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE

9/30/86

AEPSC PROGRAM LEAD ENGINEER

R.F.S.

DATE

1/24/86



CLO/HED# 1.3 -3

Criterion# C.1.4.16

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

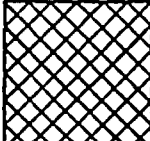


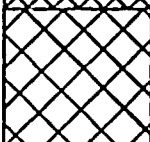
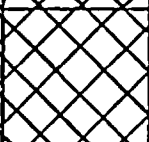

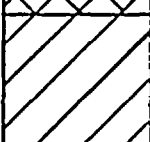
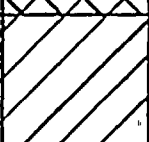

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 1.3-3

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

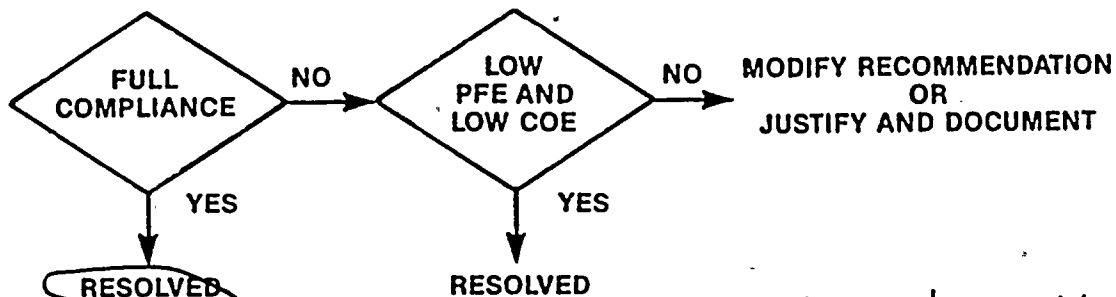
- ☒ FURTHER REVIEW BY AEPSC/D.C. Cook 10/15/85
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

- ☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

### EVALUATION

|                                 |      |            |     |
|---------------------------------|------|------------|-----|
| FULL COMPLIANCE WITH GUIDELINES | NO   | <u>YES</u> |     |
| POTENTIAL FOR ERROR (PFE)       | HIGH | MEDIUM     | LOW |
| CONSEQUENCE OF ERROR (COE)      | HIGH | MEDIUM     | LOW |



EXPLANATION OR JUSTIFICATION Training and practice will be conducted when simulator is set up.

#### SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86

AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86



CLO/HED# 1.3-4

Criterion# 6.1.4.1 b  
6.2.1.3 b  
6.1.5.4 e

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

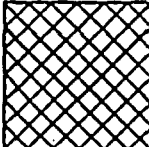
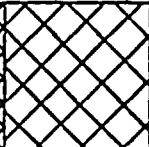
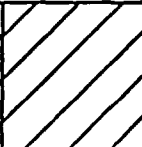
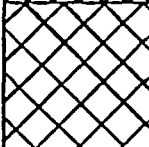
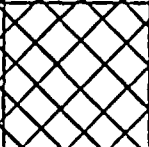


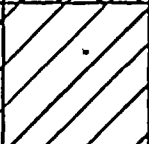

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 1.3-4

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE



FURTHER REVIEW BY

AEPSC/D.C. Cook10/15/85

FURTHER REVIEW BY



FURTHER REVIEW BY

## DISPOSITION



APPROVED



PARTIALLY APPROVED



NO ACTION



OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

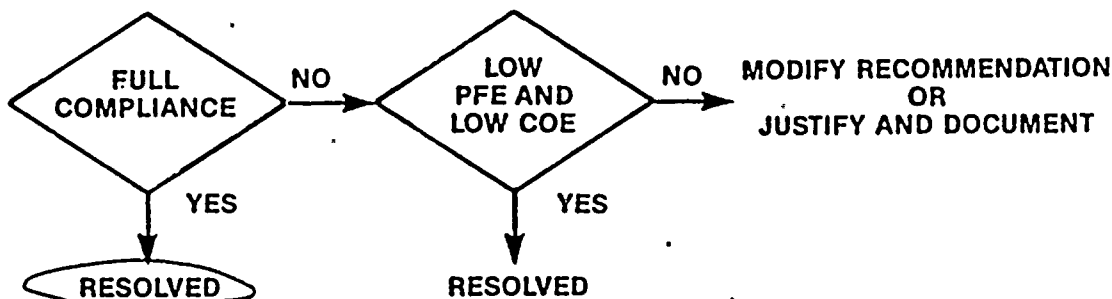
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Capabilities for emergency  
communications are being reviewed and will be  
upgraded as necessary. Verbal communications in  
face masks will be included in considerations.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

R. Voss

DATE

11/3/86

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE

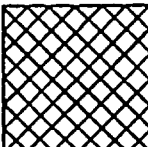
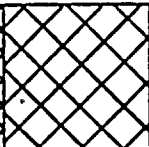
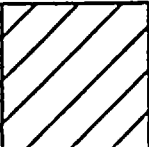
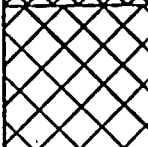
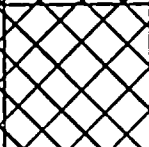
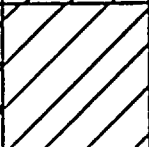
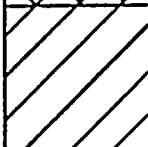
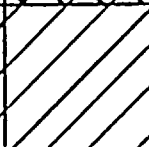
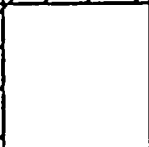
1/19/86

CLO/HED# 1.3-5

Criterion# 6.1.4.2b

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)      HIGH      MEDIUM      LOW  
CONSEQUENCE OF ERROR (COE)      HIGH      MEDIUM      LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --      High priority; corrective action should be taken.



Category II --      Medium priority; corrective action is highly recommended.



Category III --      Low priority; corrective action is recommended.



Category IV --      No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY      II





CLO/HED# 1.3-5

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

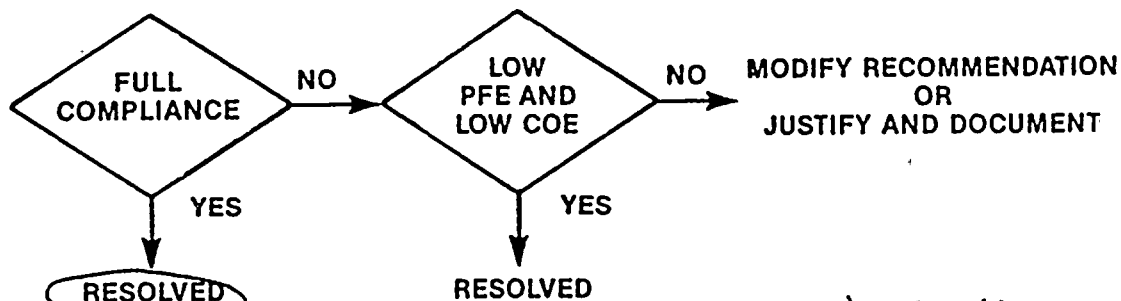
- ☒ FURTHER REVIEW BY AEPSC/D.C. Cook 10/15/85
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

- ☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

## EVALUATION

|                                 |      |            |     |
|---------------------------------|------|------------|-----|
| FULL COMPLIANCE WITH GUIDELINES | NO   | <u>YES</u> |     |
| POTENTIAL FOR ERROR (PFE)       | HIGH | MEDIUM     | LOW |
| CONSEQUENCE OF ERROR (COE)      | HIGH | MEDIUM     | LOW |



EXPLANATION OR JUSTIFICATION D.C. Cook operations will review possible locations more accessible to control room operators for storage of radiation equipment. 9/3/86 Sixty sets of equipment are to be stored in CR area, the rest will be stored right outside CR area door. Eight sets are sufficient for CR operating crew. JY.

## SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86

AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/986



CLO/HED# 1.3-6

Criterion # 6.2.1.8 a

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

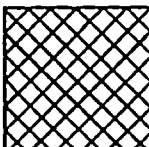
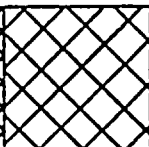
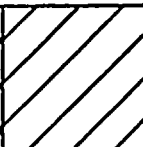
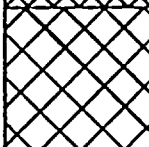
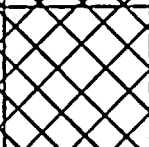

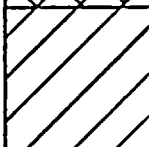
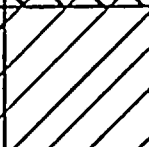
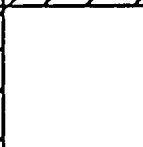
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

I



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

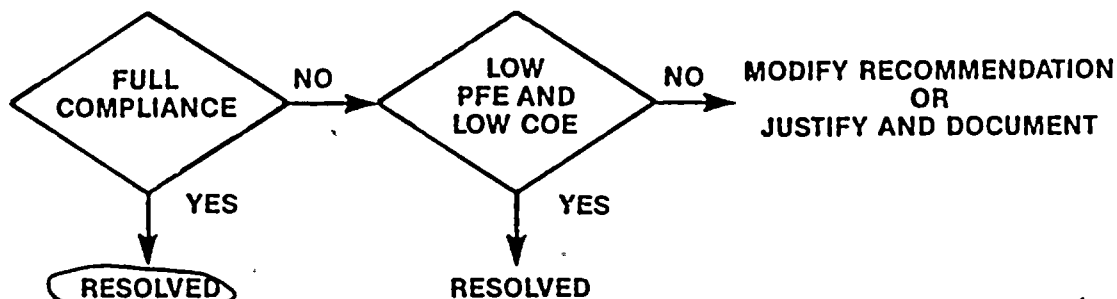
- ☒ FURTHER REVIEW BY AEPS C/D.C. Cook 10/15/85
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

- ☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

## EVALUATION

|                                 |      |            |     |
|---------------------------------|------|------------|-----|
| FULL COMPLIANCE WITH GUIDELINES | NO   | <u>YES</u> |     |
| POTENTIAL FOR ERROR (PFE)       | HIGH | MEDIUM     | LOW |
| CONSEQUENCE OF ERROR (COE)      | HIGH | MEDIUM     | LOW |



EXPLANATION OR JUSTIFICATION Emergency communication equipment is being reviewed for needed improvements so that reliable communication will be ensured.

## SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86

AEPS C PROGRAM LEAD ENGINEER RFS DATE 1/19/86



CLO/HED# 1.3-7

6.1.4.1c

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

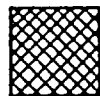
Low

Potential For Error

High

Medium

Low



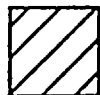
Category I --

High priority; corrective action should be taken.



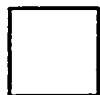
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

- ☒ FURTHER REVIEW BY AEPSC/D.C. Cook 10/15/85
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

- ☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

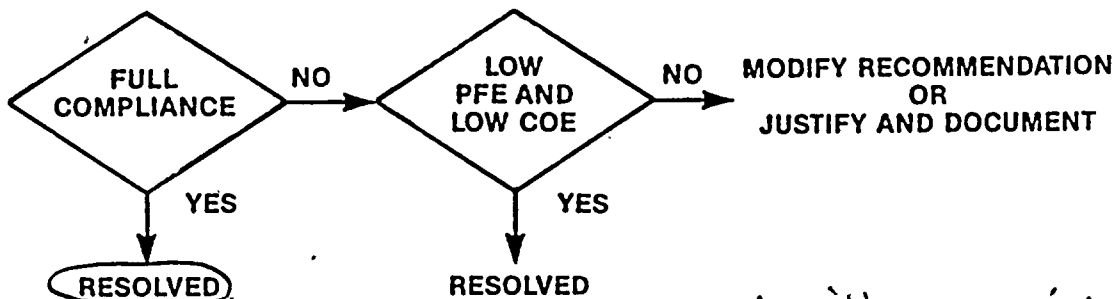
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Equipment will be periodically checked via an inventory list.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

1/3/851/1/986

CLO/HED# 1.3-8

6.1.4.1 I

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

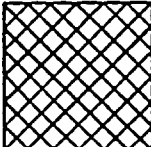
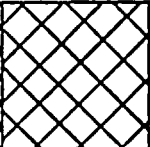
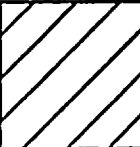
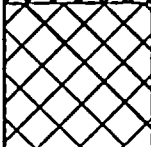
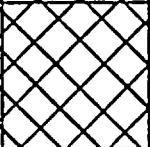
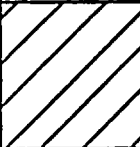
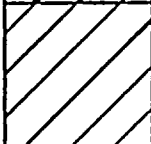
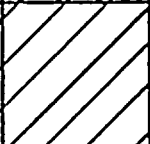

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☒ FURTHER REVIEW BYAEPSC/D.C. Cook 10/28/85☐ FURTHER REVIEW BY☐ FURTHER REVIEW BY

## DISPOSITION

☐ APPROVED☒ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

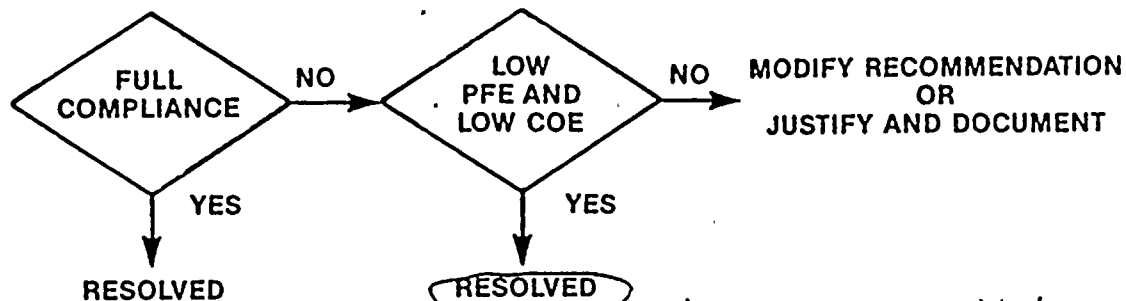
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION

Operators are well trained in the use of protective equipment. They receive semi annual radiological retraining and are well practiced. Written instructions for protective gear are not needed.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

F. J. CookDATE 1/3/86

AEPSC PROGRAM LEAD ENGINEER

RFSDATE 1/1/86

CLO/HED# 1.3-9

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

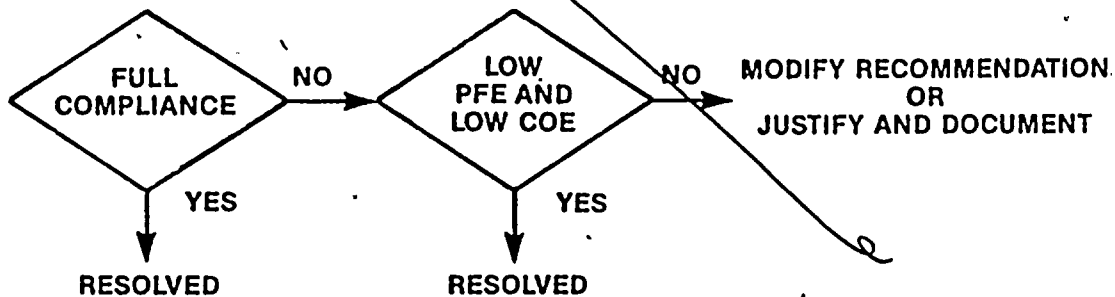
- ☒ FURTHER REVIEW BY AEPSC/D.C. Cook 10/15/85
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

- ☐ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☒ OTHER

### EVALUATION

|                                 |      |        |     |
|---------------------------------|------|--------|-----|
| FULL COMPLIANCE WITH GUIDELINES | NO   | YES    |     |
| POTENTIAL FOR ERROR (PFE)       | HIGH | MEDIUM | LOW |
| CONSEQUENCE OF ERROR (COE)      | HIGH | MEDIUM | LOW |



EXPLANATION OR JUSTIFICATION CLO is not an HED. There  
are written procedures which cover environmental  
emergencies.

#### SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86

AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86

CLO/HED# 1.4-1

Criterion# 6.1.5.1a

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

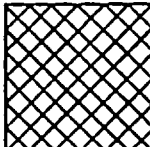
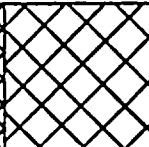
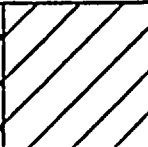
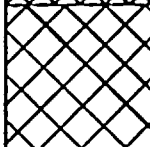
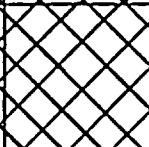
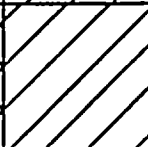
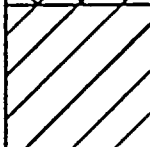
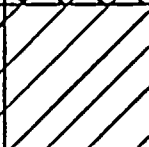
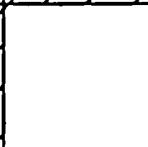
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 1.4-1

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

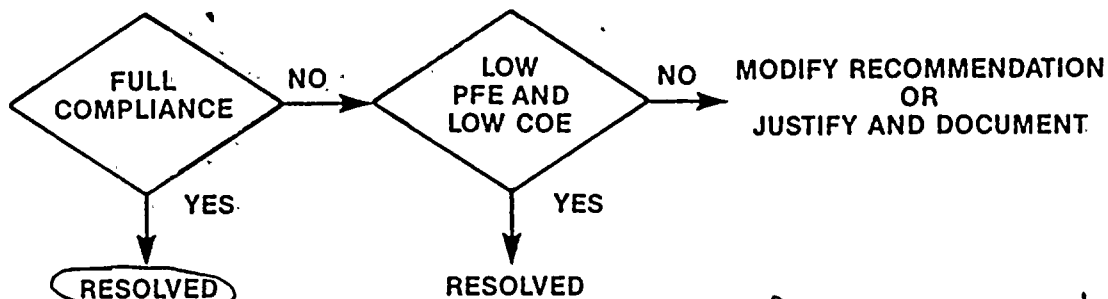
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Design and procurement is underway for obtaining separate air conditioning unit for computer room. This will allow CR thermostats to be set within guideline recommendation.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. J. [Signature]DATE 9/30/86

AEPSC PROGRAM LEAD ENGINEER

RAFSDATE 11/19/86





CLO/HED# 1.4-2

Criterion # 6.1.5.2 b

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

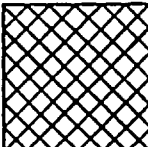
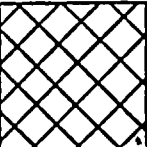

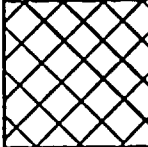
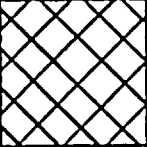




LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# 1.4-2

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

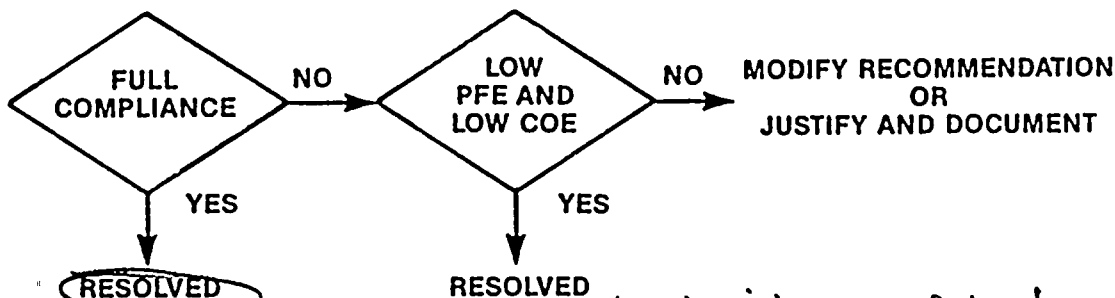
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

will look into readjusting  
dampers for Unit 1 so that air velocities  
are within guideline maximum of 45 fpm.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]DATE 10/28/85

AEPSC PROGRAM LEAD ENGINEER

RFSDATE 11/9/86

## EXPLANATION OR JUSTIFICATION (CONTINUED)

Velocities are not significantly higher than G/Ls,  
damper adjustment also must consider air  
flow balances and CR pressurization for 3  
modes of operation. TTV.



CLO/HED# 1.5-1

Criterion# 6.1.5.3 d

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

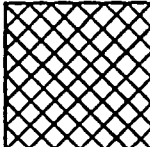
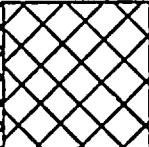
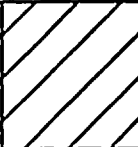
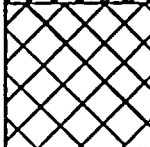
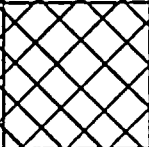

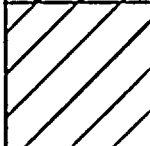
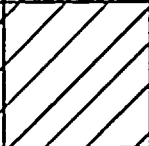
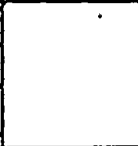
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 1.5-1

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

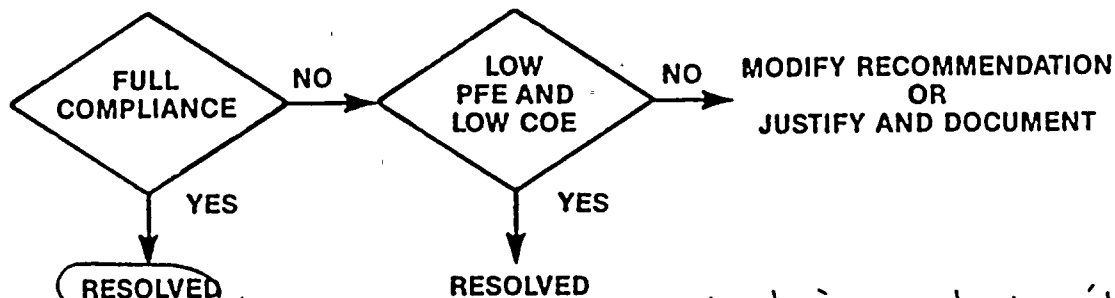
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Administrative control will  
be established over replacement of bulbs so that  
bulbs will be replaced as needed.

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

10/28/85

11/19/86



CLO/HED# 1.5-2

Criterion# 6.1.5.3 f

ASSESSMENT RECORD

|                            |      |        |     |
|----------------------------|------|--------|-----|
| POTENTIAL FOR ERROR (PFE)  | HIGH | MEDIUM | LOW |
| CONSEQUENCE OF ERROR (COE) | HIGH | MEDIUM | LOW |

Consequence Of Error

|        |      |        |     |
|--------|------|--------|-----|
|        | High | Medium | Low |
| High   |      |        |     |
| Medium |      |        |     |
| Low    |      |        |     |

|  |                 |   |
|--|-----------------|---|
|  | Category I --   | High priority; corrective action should be taken.         |
|  | Category II --  | Medium priority; corrective action is highly recommended. |
|  | Category III -- | Low priority; corrective action is recommended.           |
|  | Category IV --  | No corrective action necessary, but should be considered. |

ASSESSMENT CATEGORY    II



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

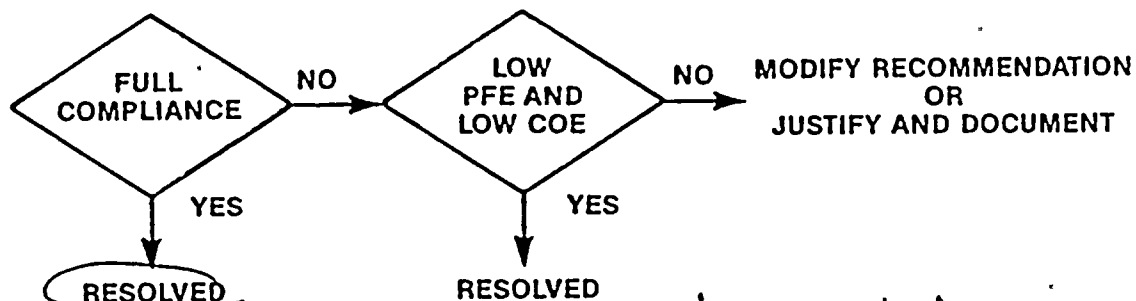
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

CR lighting including emergency lighting is being evaluated by E.E.D. Parabolic Wedge Diffusers or other appropriate modifications are being tested to reduce glare.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE

9/30/86

AEPSC PROGRAM LEAD ENGINEER

[Signature]

DATE

11/9/86

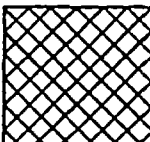
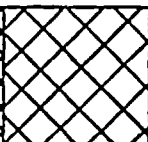
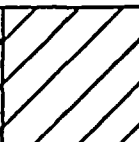
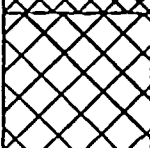
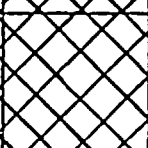
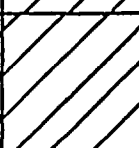
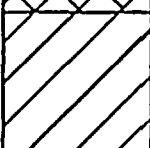
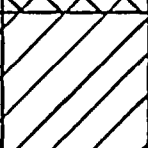



CLO/HED# 1.5-3

Criterion# 6.1.5.3 h

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW  
CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

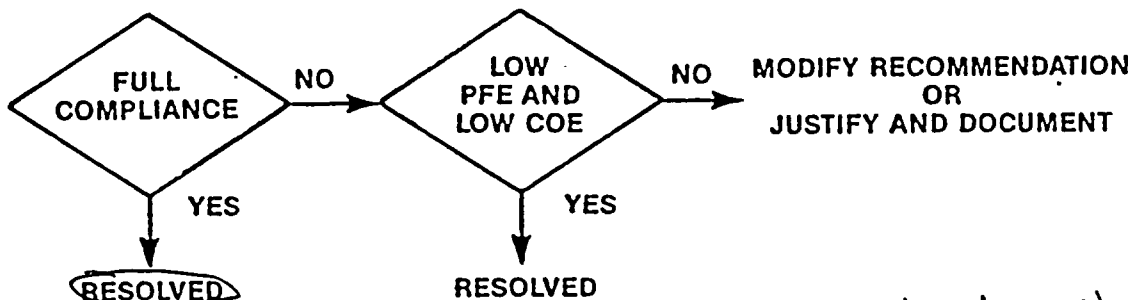
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

During emergency lighting the front of the CR is too dark (the sides are acceptable). Another string of emergency lighting is being considered for the front portion of the CR.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

10/25/85

DATE

1/1/986

CLO/HED# 1.5-4

Criterion #6.1.5 3a.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

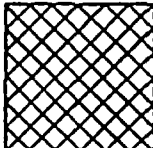
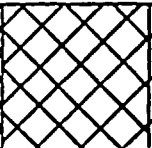

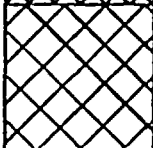
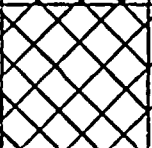

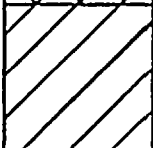
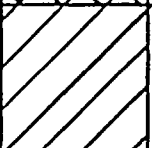

LOW

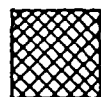
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



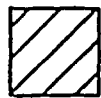
Category I --

High priority; corrective action should be taken.



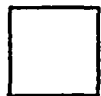
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II





CLO/HED# 1.5-4

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

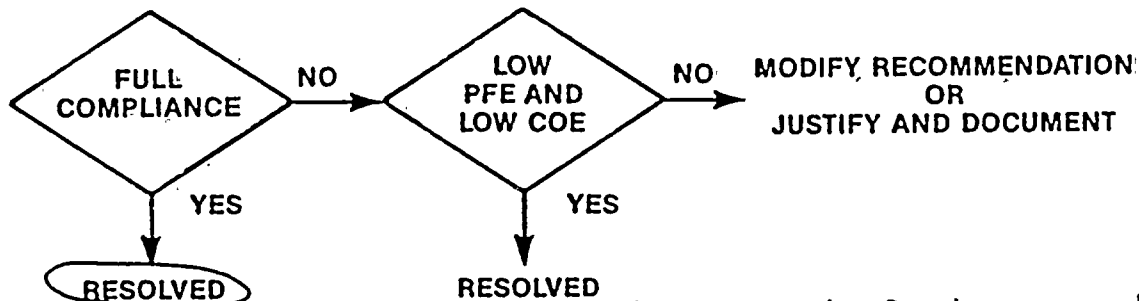
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION To achieve satisfactory lighting levels are testing diffusers, carpet CR, and try other means if necessary, EED is evaluating lighting for improvements

#### SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

AEPSC PROGRAM LEAD ENGINEER \_\_\_\_\_

DATE 10/28/85

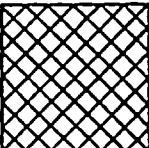
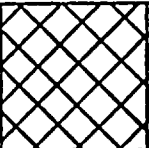
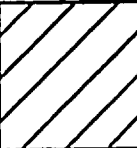
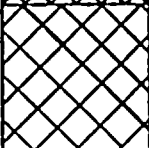
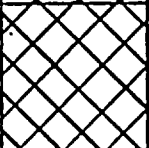
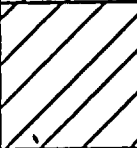
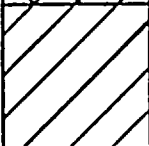
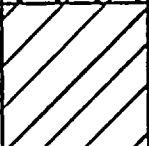

DATE 11/986

CLO/HED# 1.5-5

Criterion#: 6.1.5.3 g

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW  
CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

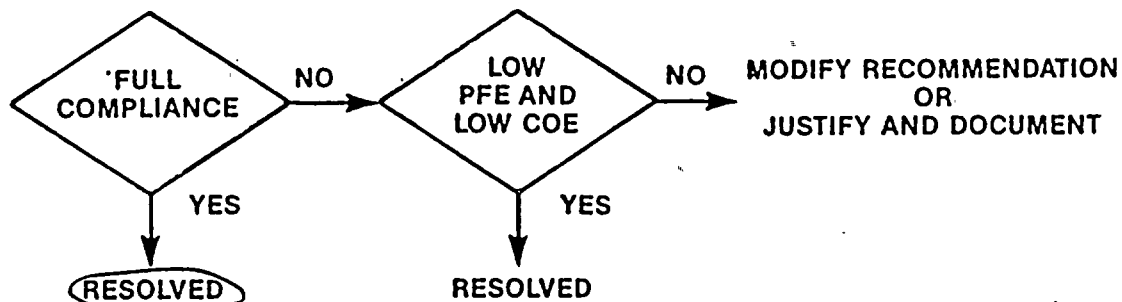
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Some desk tops have already been modified to a darker surface to reduce reflectance. Carpeting will also be installed in CR to reduce reflected light from floors and lower part of panels. 9/30/86 Carpeting has been installed and has markedly reduced glare from lower board areas.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

10/2/8511/1986

CLO/HED# 1.5-6

Criterion#. 6.1.5.3 b

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

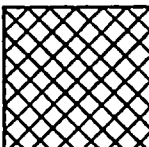
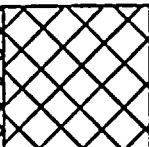
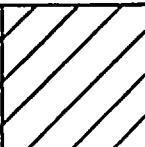
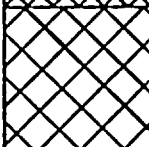
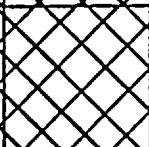
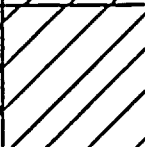
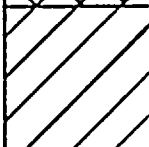
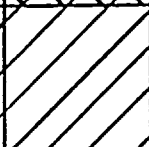
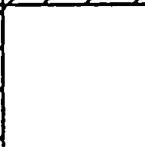
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 1.5-6

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

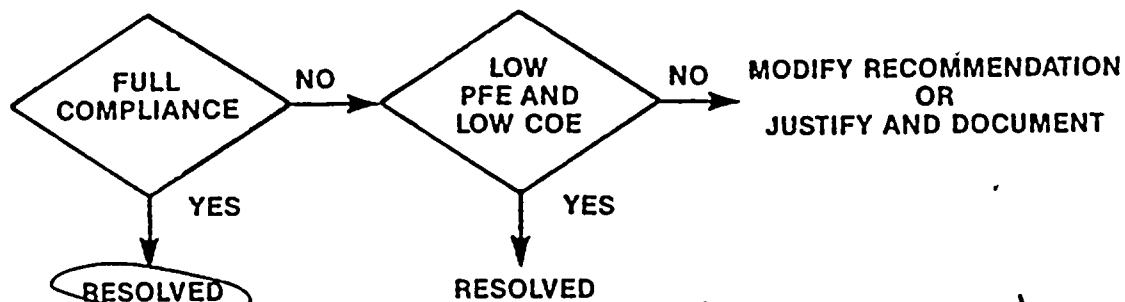
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

CR lighting is currently being  
evaluated for appropriate modifications by EED.  
Appropriate methods for increasing uniformity  
and diffusing light are being considered and tested.

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

9/30/86

11/1986

CLO/HED# 1.5-7

Criterion#: 6.1.5.3 e2

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

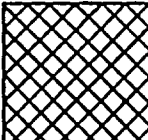
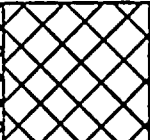

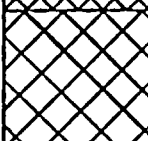
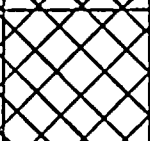
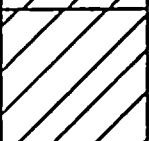
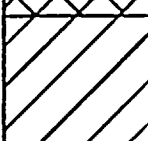
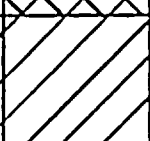
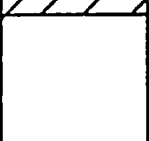




LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |  |   |
|---------------------|--------|---|--|---|
|                     |        | High  | Medium   | Low   |
| Potential For Error | High   |    |   |   |
|                     | Medium |    |   |   |
|                     | Low    |   |  |  |
|                     |        |  | Category I -- High priority; corrective action should be taken.                    |   |
|                     |        |  | Category II -- Medium priority; corrective action is highly recommended.           |   |
|                     |        |  | Category III -- Low priority; corrective action is recommended.                    |   |
|                     |        |  | Category IV -- No corrective action necessary, but should be considered.           |   |

ASSESSMENT CATEGORY

II





CLO/HED# 1.5-7

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

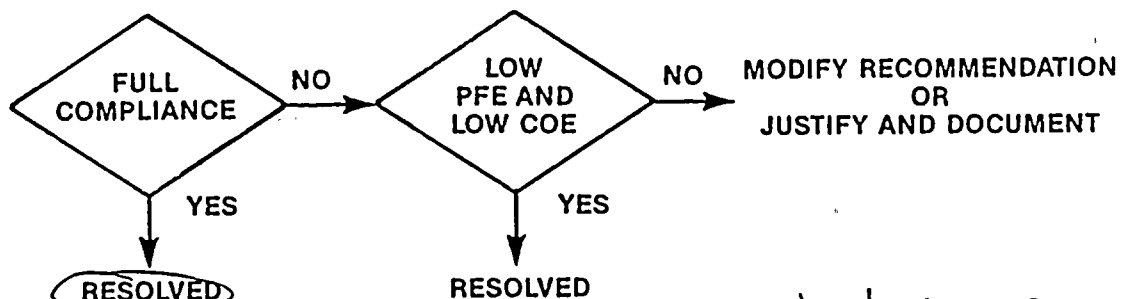
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION EED is evaluating CR  
lighting for improvement, reduction in  
shadows, and more uniform level of lighting on  
the boards. Burned out bulbs are to be replaced as required.

## SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

AEPSC PROGRAM LEAD ENGINEER \_\_\_\_\_

DATE

9/30/86

DATE

11/1986



CLO/HED#

1.6-1

Criterion # 6.1.5.5a

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

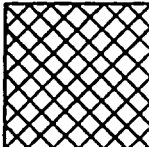
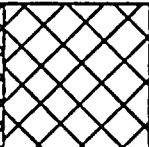
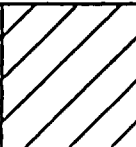
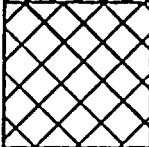
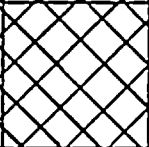


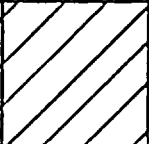

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 1.6-1

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

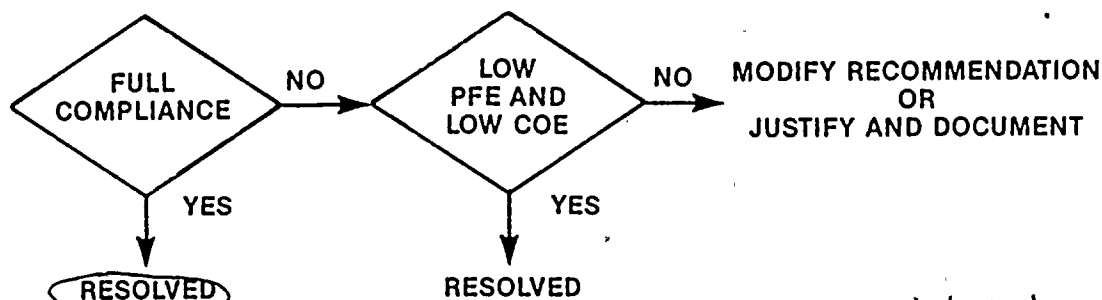
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Carpet is to be installed to help attenuate noise. Telephone links are available between front and rear of panels. Administrative controls over non-essential people in CR are to be enforced (see HED# 1.1).  
9/30/86 Carpet has been installed and it dramatically attenuates noise.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 10/28/85DATE 1/1/986

CLO/HED# 1.6-2

Criterion #: 6.1.5.5d

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

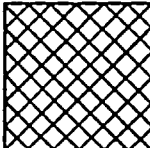
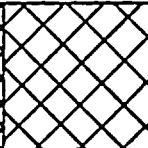
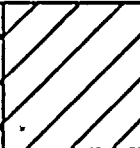
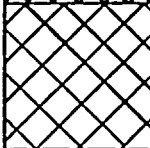
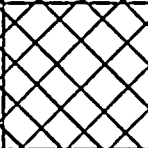

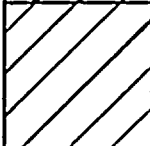
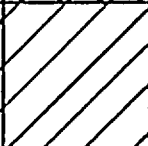

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

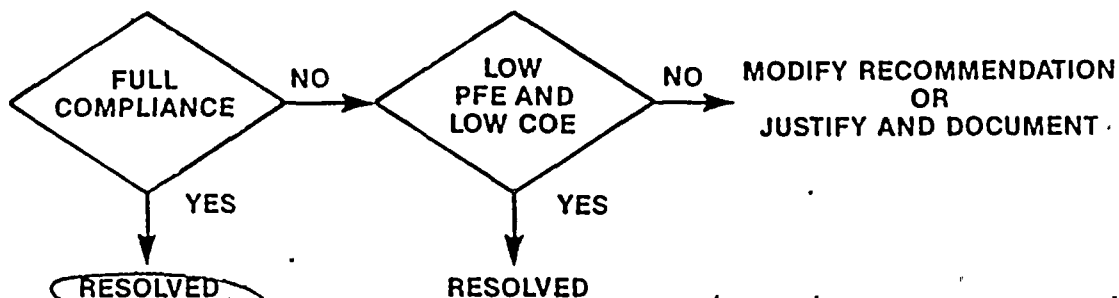
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION PA system has been modified and is no longer a source of noise distraction in CR. The RMS printer is being replaced. The two-tone phone is within noise limitations, maintenance will look into reducing ventilation noise and carpeting is to be installed to attenuate noise (see 1.1-2).

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

10/28/851/1/86





CLO/HED# 1.6-3

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

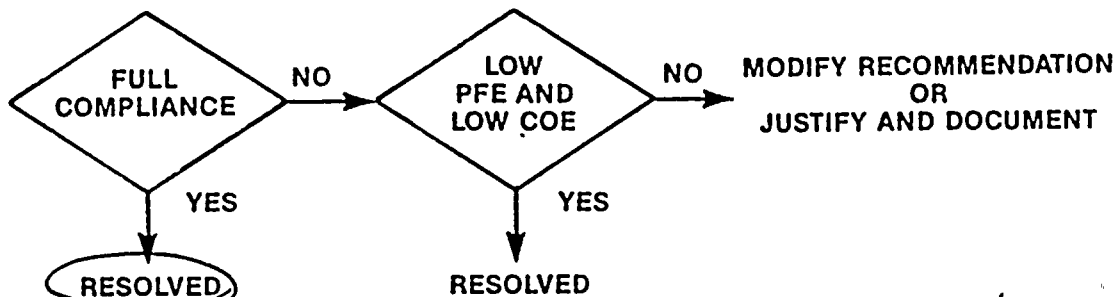
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Addresses some problems HED#  
1.1-1. Administrative control over non-essential people  
in CR will be upgraded and enforced.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 10/28/85DATE 11/986

CLO/HED# 1.7-1

Criterion# 6.1.1.5 a

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

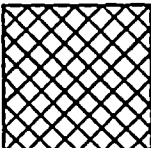
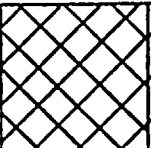

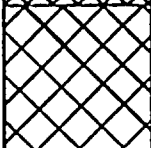
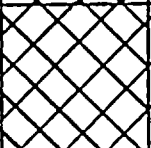

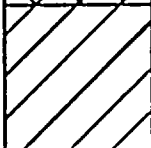
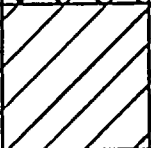

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 1.7-1

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

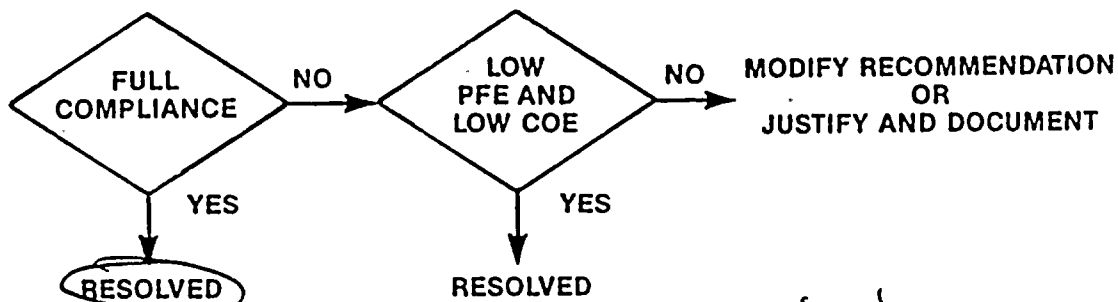
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

SS has key to store room, so that operations personnel can get supplies at any time. Administrative controls will be established to ensure proper supplies are in store room.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

10/28/86

11/19/86



CLO/HED# 1.7-2

Criterion# 6.1.1.5 c  
6.3.3.1 c (3)  
6.5.3.1 a (3)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

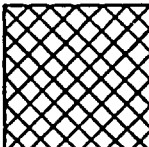
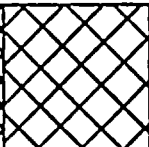
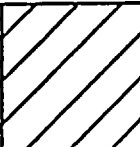
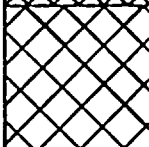
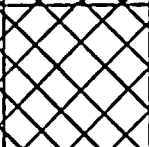

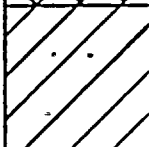
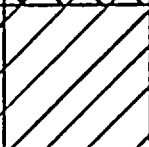

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED# 1.7-2

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

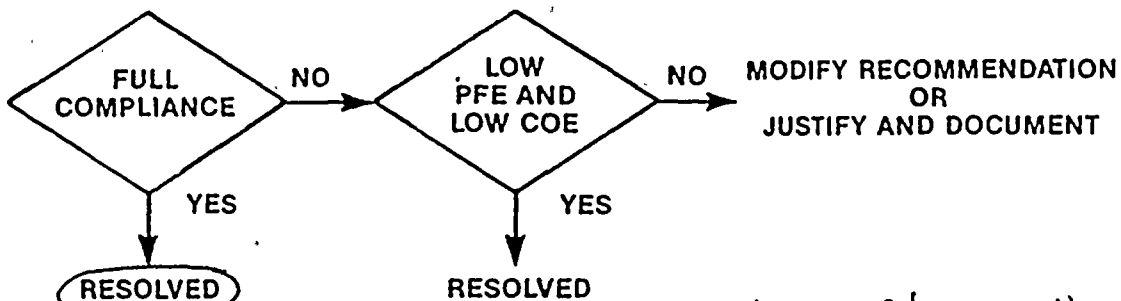
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Bulb and resistor pullers  
will be supplied to CR personnel. 9/30/86 Hurs been  
supplied to

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 10/28/85

DATE 11/19/86



CLO/HED# 1.7-3

Criterion#: 6.1.1.5e

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

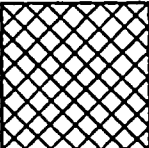
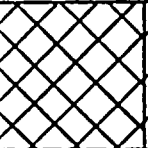

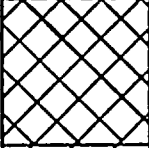
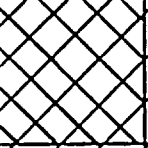




LOW

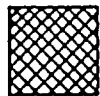
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



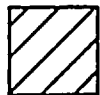
Category I --

High priority; corrective action should be taken.



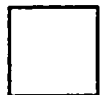
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 1.7-3

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

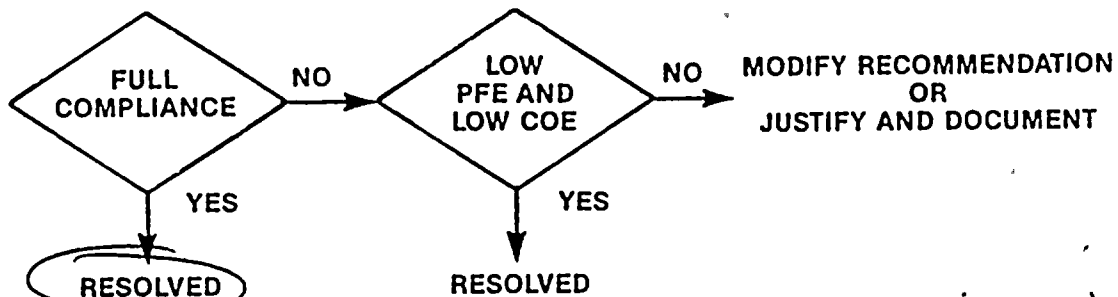
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Appropriately organized storage areas will be set up and maintained as per suggested backfit

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 10/28/85

DATE 11/19/86



CLO/HED# 1.7-4

6.3.3.1 c (1)  
 6.4.3.3 c (4)  
 6.5.3.1 c (2)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

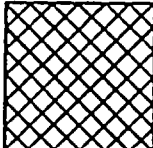
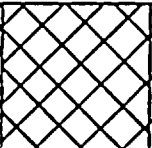

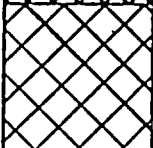
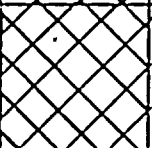

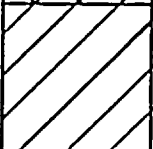
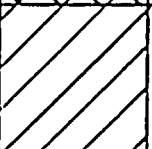
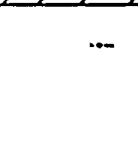
Low

Potential For Error

High

Medium

Low

|        |   |   |  |
|--------|---|---|--|
|        | High  | Medium  | Low  |
| High   |  |  |  |
| Medium |  |  |  |
| Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 1.7-4

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

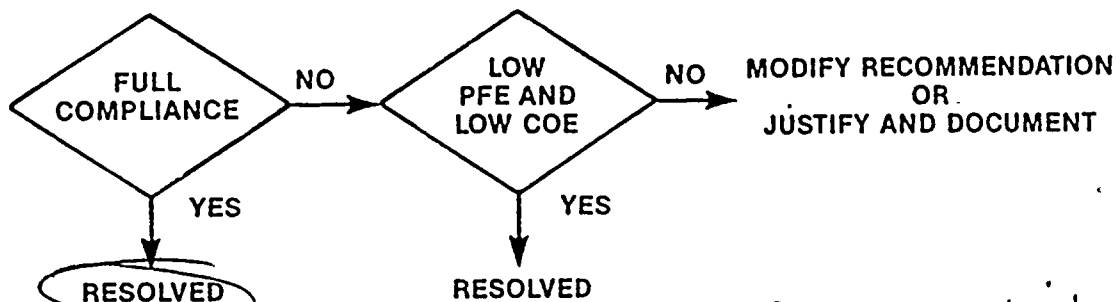
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

As per preferred back fit,  
administrative control over tile removal and replacement will  
be established to insure that only one tile is removed  
and replaced at a time. 9/30/86 Has been done.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

DATE 10/28/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE 11/19/86



CLO/HED# 1.7-5

Criterion #: 6.4.3.3 c(1)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

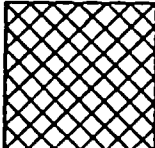
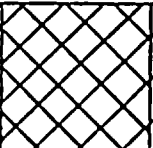

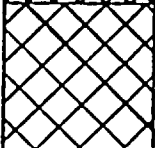
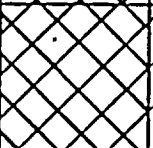

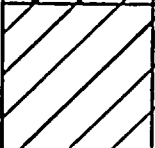
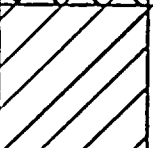

LOW

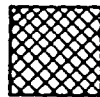
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |   |  |
|---------------------|--------|---|---|--|
|                     |        | High  | Medium  | Low  |
| Potential For Error | High   |  |  |  |
|                     | Medium |  |  |  |
|                     | Low    |  |  |  |



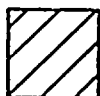
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III

CLO/HED# 1.7-5

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED☒ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

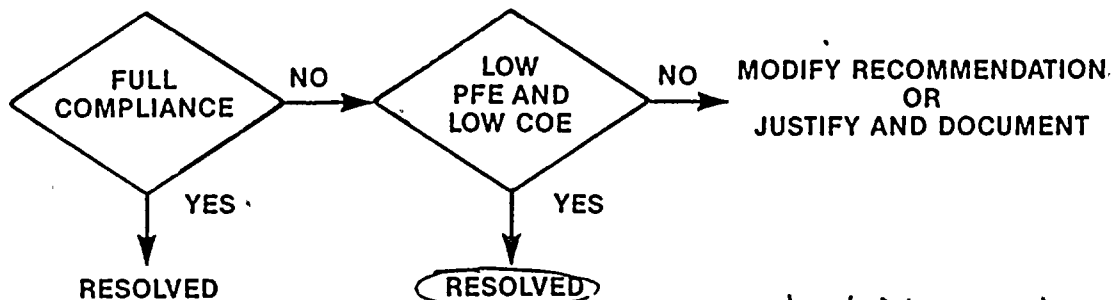
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION

All alarms are tested twice at each shift change and one a week a check is made for sockets with one bulb burnt out. The possibility of changing incandescent bulbs to LED bulbs for greater reliability is a topic evaluated. Also, an adequate and accessible supply of bulbs is ensured (see 1.7-1 to 1.7-3)

## SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

DATE 9/30/86

AEPSC PROGRAM LEAD ENGINEER \_\_\_\_\_

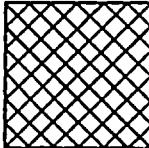
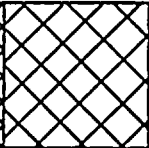
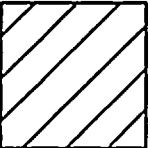
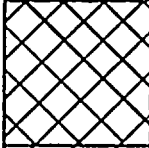
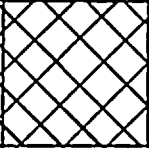
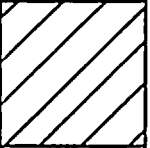
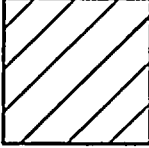
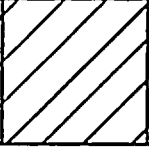
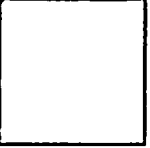




DATE 11/19/86



CLO/HED# 1.7-6

# 6.5.3.1 a(1) + ca)

# FIGURE 1 ASSESSMENT RECORD

|                            |        |   |  |   |
|----------------------------|--------|---|--|---|
| POTENTIAL FOR ERROR (PFE)  |        | HIGH  | MEDIUM   | LOW   |
| CONSEQUENCE OF ERROR (COE) |        | HIGH  | MEDIUM   | LOW   |
|                            |        | Consequence Of Error  |  |   |
|                            |        | High  | Medium   | Low   |
| Potential For Error        | High   |    |   |   |
|                            | Medium |    |   |   |
|                            | Low    |   |  |  |
|                            |        |  | Category I -- High priority; corrective action should be taken.                    |   |
|                            |        |  | Category II -- Medium priority; corrective action is highly recommended.           |   |
|                            |        |  | Category III -- Low priority; corrective action is recommended.                    |   |
|                            |        |  | Category IV -- No corrective action necessary, but should be considered.           |   |

ASSESSMENT CATEGORY III

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED☒ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

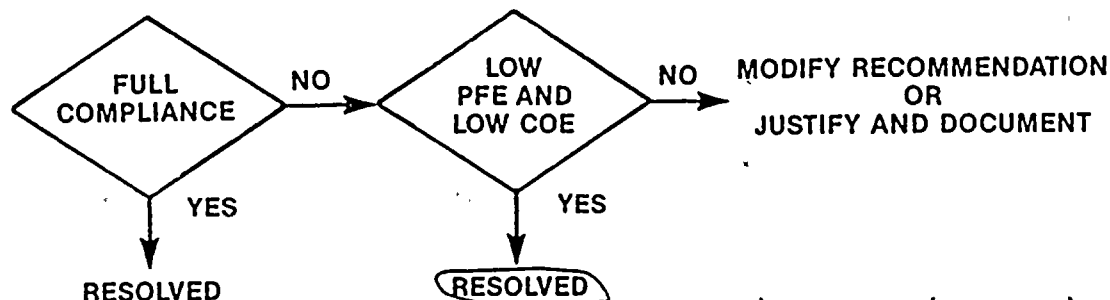
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

## EXPLANATION OR JUSTIFICATION

Bulb test is not advisable since it would compromise control and a job's circuit reliability. Dual filament bulbs are not available that are compatible with fixtures and voltages. However, operators are trained to test for and replace recessed can failures. One or both lamps on at all times informs the operator of a lamp failure. Normally racked out (NRO) lamps will have identifier label SIGNOFF and it may be possible to replace incandescent lamps with LED bulbs.

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

9/30/86

1/1/986



CLO/HED# 1.7-7

Criterion#6.2.1.1b

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

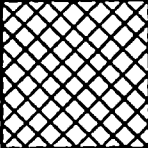
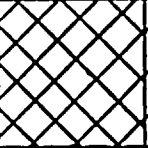

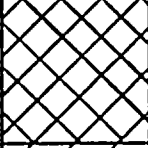
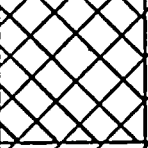




LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 1.7-7

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

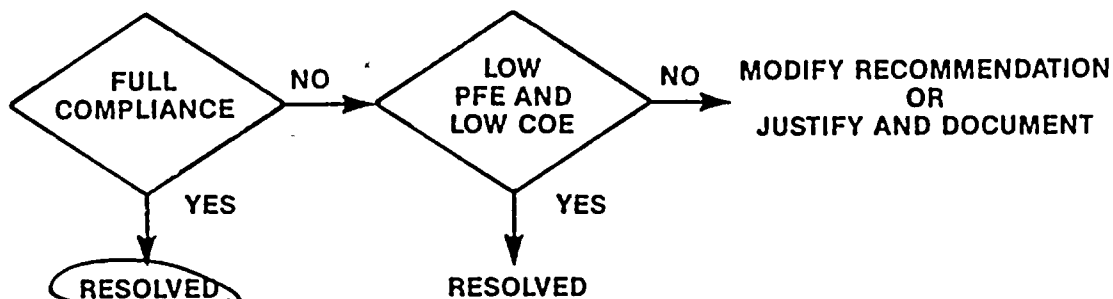
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

All emergency communications systems are tested frequently. Other systems are in constant use. The PA system has two maintenance people working on it. The process computer vent screens have been changed and will be checked periodically.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

10/28/851/1/86



CLO/HED# 2.1-1

Criterion # 6.2.1.2

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

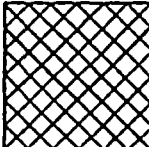
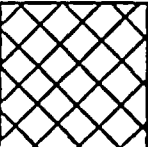

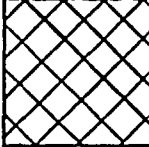





LOW

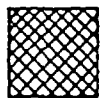
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED# 2.1-1

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

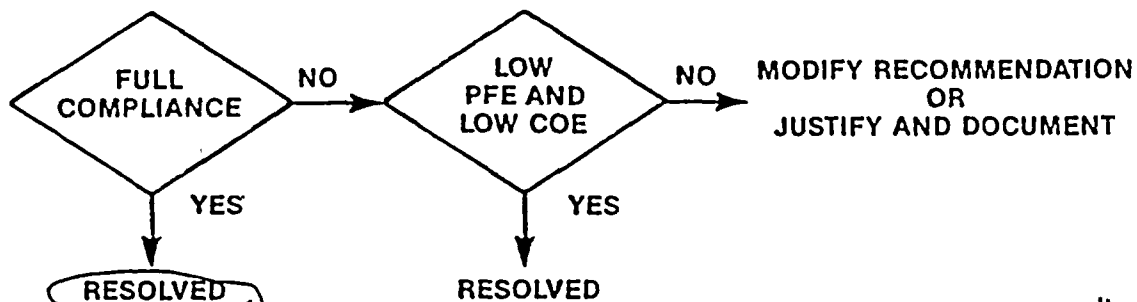
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION More and improved "Hear-Here" boxes are being considered and maintenance is improved. A study will be undertaken to review and upgrade plant communications systems.

SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

AEPSC PROGRAM LEAD ENGINEER RFSDATE 10/28/85DATE 11/19/86



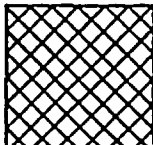
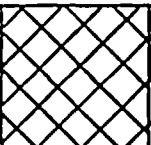

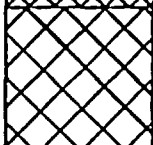
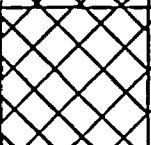

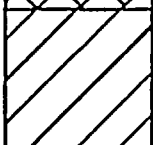
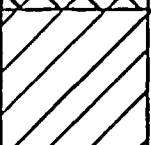



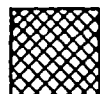
CLO/HED# 2.1-2

Criterion#: 6.2.13

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)      HIGH      MEDIUM      LOW  
CONSEQUENCE OF ERROR (COE)      HIGH      MEDIUM      LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED# 2.1-2

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

**PENDING**

DATE \_\_\_\_\_

- ☐ FURTHER REVIEW BY
- ☐ FURTHER REVIEW BY
- ☐ FURTHER REVIEW BY

## DISPOSITION

- ☒ APPROVED    ☐ PARTIALLY APPROVED    ☐ NO ACTION    ☐ OTHER

## EVALUATION

## FULL COMPLIANCE WITH GUIDELINES

**NO**

**YES**

### POTENTIAL FOR ERROR (PFE)

## HIGH

## MEDIUM

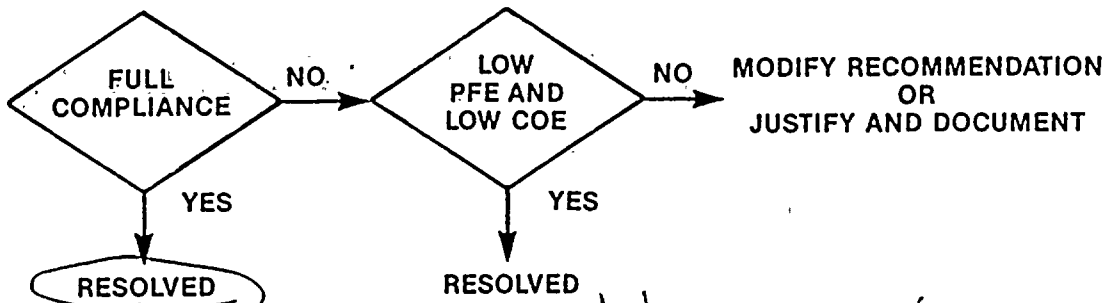
**LOW**

### CONSEQUENCE OF ERROR (COE)

**HIGH**

**MEDIUM**

**LOW**



EXPLANATION OR JUSTIFICATION

EXPLANATION OR JUSTIFICATION Maintenance has been improved for head set system which is to be used primarily for surveillance testing. A new wireless radio system with low wattage antennas giving full plant coverage is being designed. This will reduced the demand on the old system.

## SIGNOFF

**H.F. CONSULTANT (ESSEX)**

**AEPS SC PROGRAM LEAD ENGINEER**

DATE \_\_\_\_\_

DATE

9/30/84

111986

CLO/HED# 2.1-3

Criterion #6.2.1.4 a & b

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

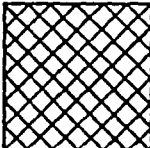
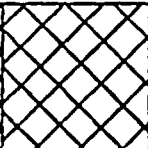
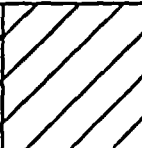
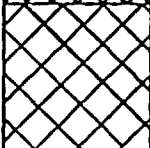
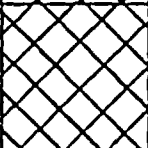
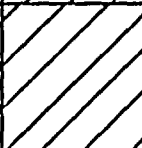
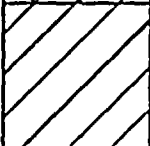
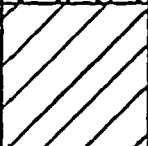

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 2.1-3

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

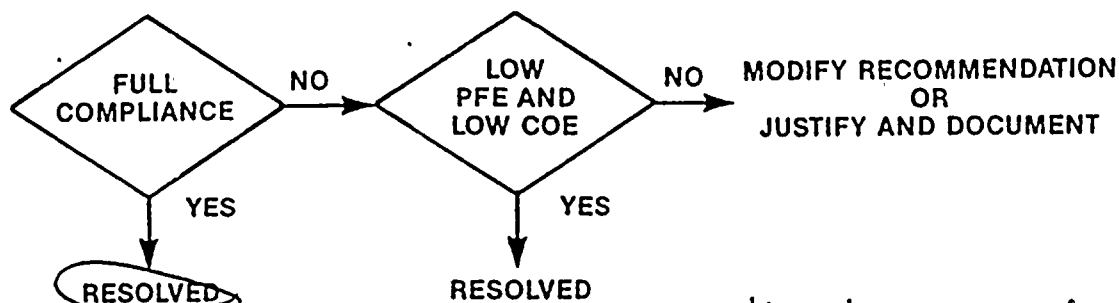
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

PA and walkie-talkie system maintenance has been improved. A study has been undertaken to review and upgrade plant communications systems for full plant coverage.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 10/28/85

DATE 1/1/86



CLO/HED# 2.1-4

Criterion# 6.2.1.6

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

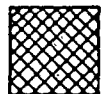
Low

Potential For Error

High

Medium

Low



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II





CLO/HED# 2.1-4

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

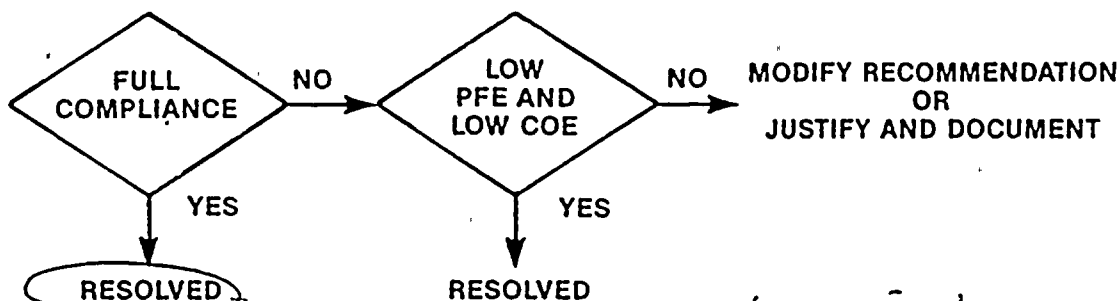
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

PA system maintenance has been improved. Two workers are assigned full-time to PA maintenance. A study has been undertaken to review and upgrade plant communications systems including the installation of variable gain speakers in noise areas.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 10/28/85

DATE 11/1986

CLO/HED# 2.1 -5

Criterion# 6.2.1.6e(1)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

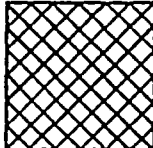
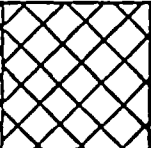

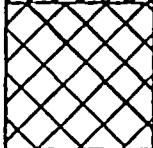
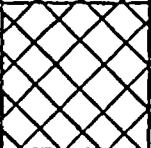

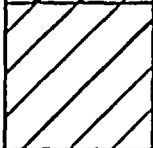
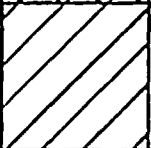

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

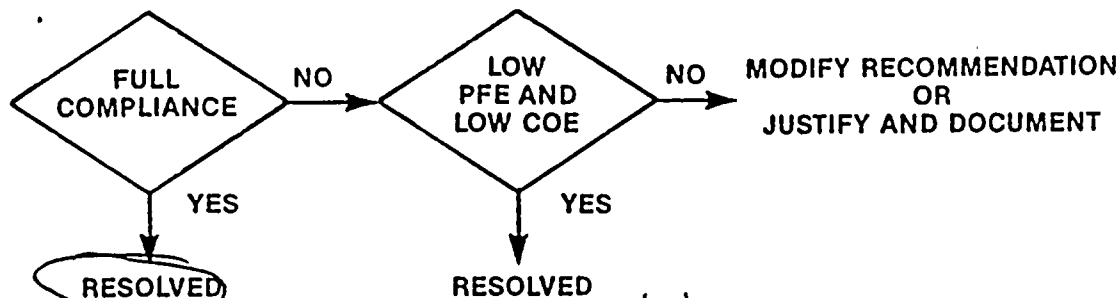
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

PA stations in CR have been adjusted. Further consideration of PA station will be given in communications study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

10/28/85

11/1986



CLO/HED# 2.1-6

Criterion#: 6.2.1.8 a.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

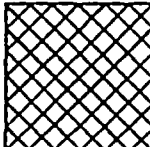
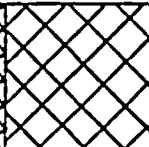

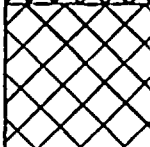
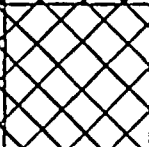

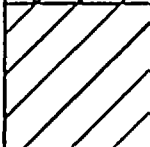
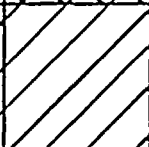

LOW

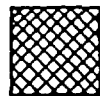
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



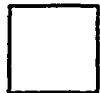
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II





CLO/HED# 2.1-6

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

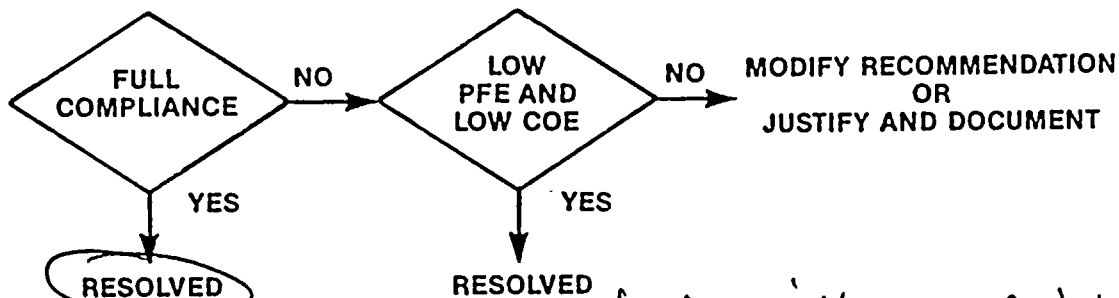
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED    ☐ PARTIALLY APPROVED    ☐ NO ACTION    ☐ OTHER

## EVALUATION

|                                 |      |            |     |
|---------------------------------|------|------------|-----|
| FULL COMPLIANCE WITH GUIDELINES | NO   | <u>YES</u> |     |
| POTENTIAL FOR ERROR (PFE)       | HIGH | MEDIUM     | LOW |
| CONSEQUENCE OF ERROR (COE)      | HIGH | MEDIUM     | LOW |



EXPLANATION OR JUSTIFICATION

A study will be undertaken to review and upgrade plant communications systems, especially in terms of needs to support EOPs.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

10/26/851/1/98

CLO/HED# 2.1 -7

Criterion #: 6.2.1.8 a

6.2.1.4 b

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

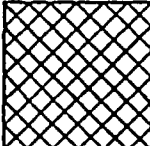
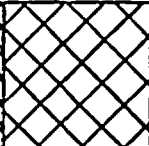
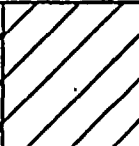
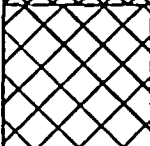
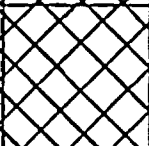

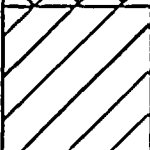
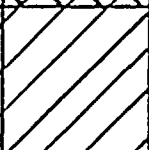

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

I



CLO/HED# 2.1-7

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

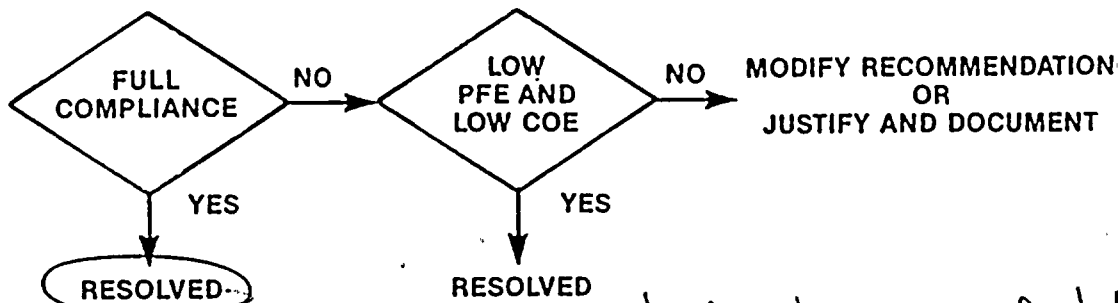
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

A study has been undertaken  
to review and upgrade plant communications systems.  
Disruption problem will be considered as part of study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

10/8/851/1/986

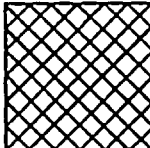
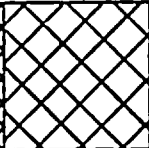
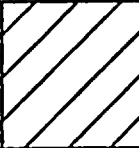
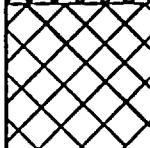
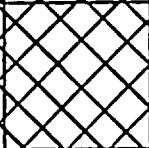

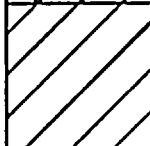




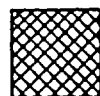
CLO/HED# 2.1-8

Criterion # 6.2.1.1a

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)      HIGH      MEDIUM      LOW  
CONSEQUENCE OF ERROR (COE)      HIGH      MEDIUM      LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLOTHED# 2.1-8

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

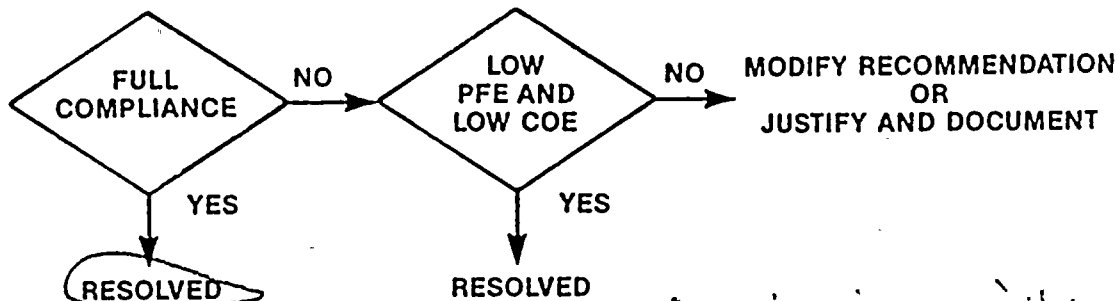
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

## EVALUATION

|                                 |      |        |     |
|---------------------------------|------|--------|-----|
| FULL COMPLIANCE WITH GUIDELINES | NO   | YES    |     |
| POTENTIAL FOR ERROR (PFE)       | HIGH | MEDIUM | LOW |
| CONSEQUENCE OF ERROR (COE)      | HIGH | MEDIUM | LOW |



EXPLANATION OR JUSTIFICATION

Needed instructions will be considered as part of communications review and upgrade study. 9/30/86 Needed instructions have been provided. JF

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 10/25/85

DATE 1/1/86



CLO/HED# 2.1-9

Criterion#: 6.2.1.1 C-118(2)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

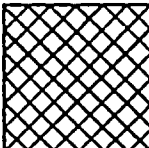
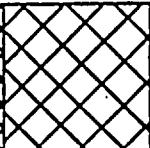
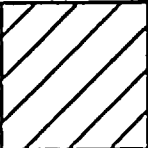
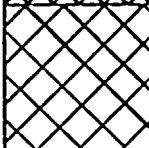
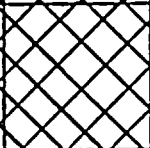
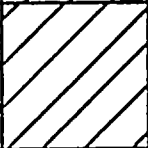
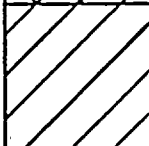
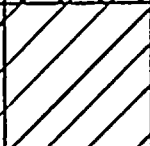
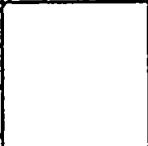
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 2.1-9

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

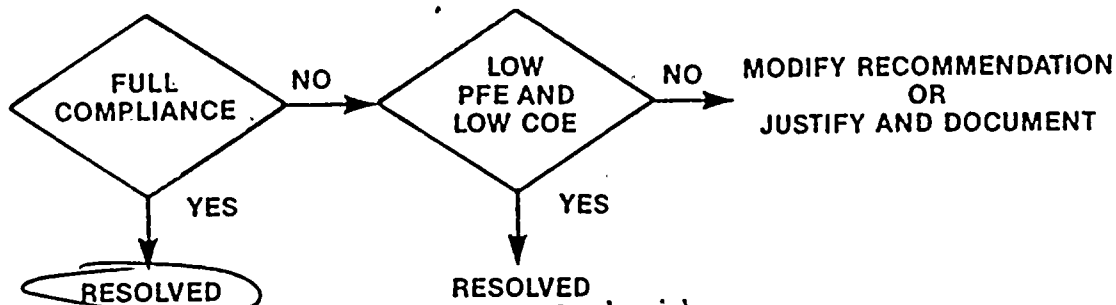
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Priority for emergency messages are being considered as part of the communications upgrade study. Priority procedures are being written.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

10/28/85

DATE

1/1/86

CLO/HED# 2.1-10

Criterion# 4.2.1.2.b6

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

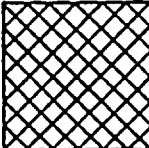
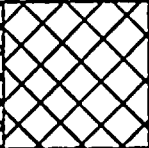

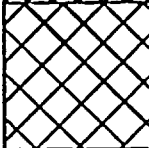
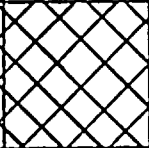

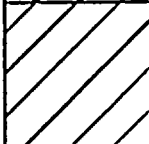
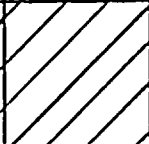

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

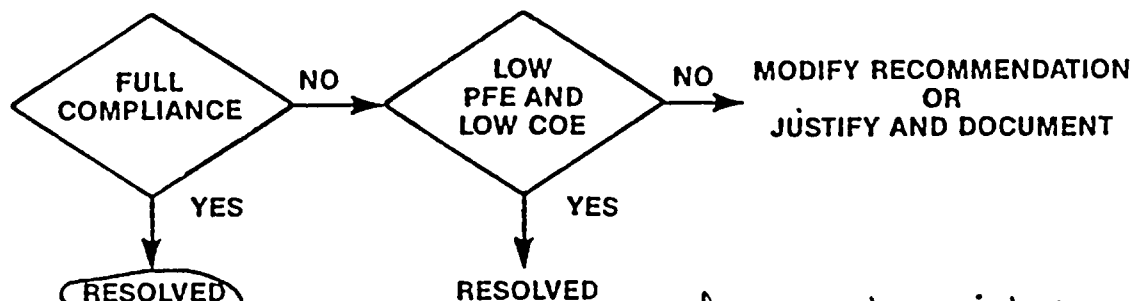
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Handset mounts will be considered as part of the communications system review and upgrade study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

10/28/85

DATE

11/986



CLO/HED# 2.1-11

Criterion#: 6.2.1.3 b(2)

ASSESSMENT RECORD

|                            |      |        |     |
|----------------------------|------|--------|-----|
| POTENTIAL FOR ERROR (PFE)  | HIGH | MEDIUM | LOW |
| CONSEQUENCE OF ERROR (COE) | HIGH | MEDIUM | LOW |

Consequence Of Error

|        |      |        |     |
|--------|------|--------|-----|
|        | High | Medium | Low |
| High   |      |        |     |
| Medium |      |        |     |
| Low    |      |        |     |

Potential For Error

|  |                 |   |
|--|-----------------|---|
|  | Category I --   | High priority; corrective action should be taken.         |
|  | Category II --  | Medium priority; corrective action is highly recommended. |
|  | Category III -- | Low priority; corrective action is recommended.           |
|  | Category IV --  | No corrective action necessary, but should be considered. |

ASSESSMENT CATEGORY III





CLO/HED# 2.1-11

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

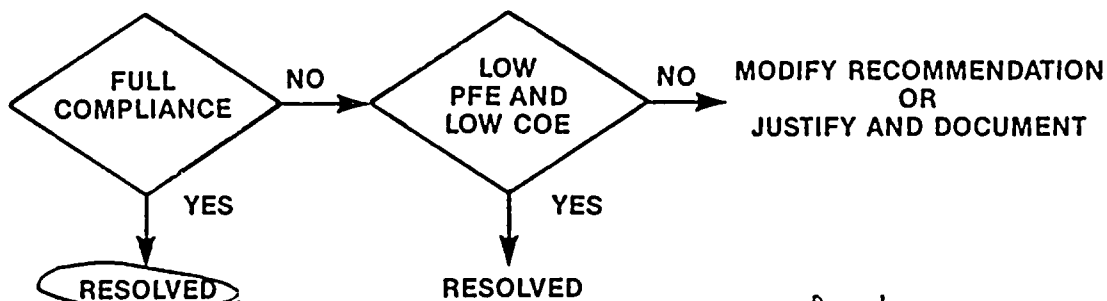
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Replacing headsets to increase comfort in the CR is being included as part of the communications systems review and upgrade study. However, the heavier muffling type headsets are required for noisy areas out in the plant.

## SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

DATE 9/30/86

AEPSC PROGRAM LEAD ENGINEER \_\_\_\_\_

DATE 11/9/86

CLO/HED# 2.1-12

Criterion#: 62.1.3 b 6

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

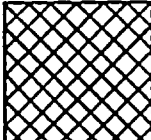

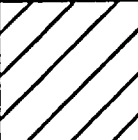
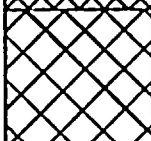

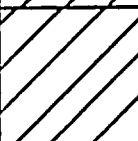
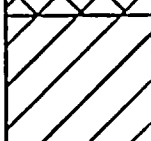
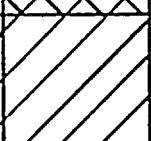

LOW

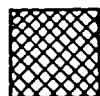
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



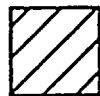
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 2.1-12

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

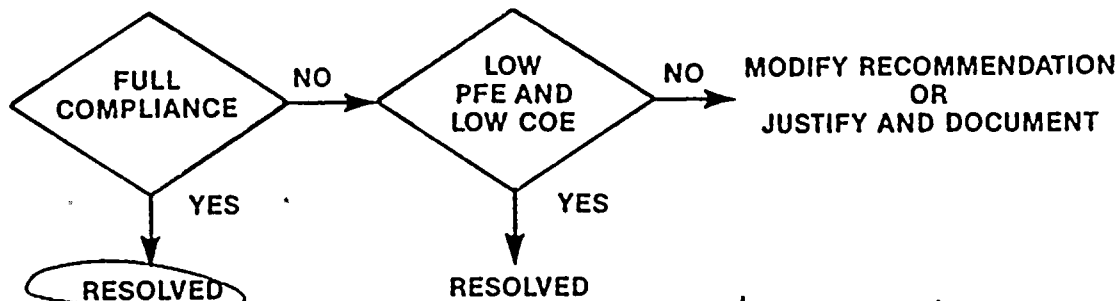
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Proper storage of headsets is being implemented as part of communications systems review and upgrade efforts.

## SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_  
AEPSC PROGRAM LEAD ENGINEER \_\_\_\_\_

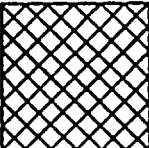
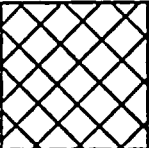

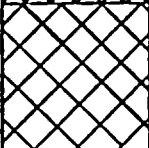
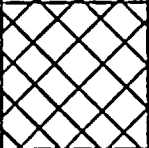

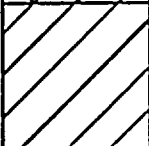
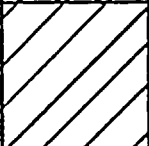

DATE 9/30/86  
DATE 11/9/86

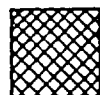
CLO/HED# 2.1 - 13

Criterion# 6.2.1.4 e

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)      HIGH      MEDIUM      LOW  
CONSEQUENCE OF ERROR (COE)      HIGH      MEDIUM      LOW

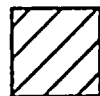
|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY      II

CLO/HED# 2.1-13

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

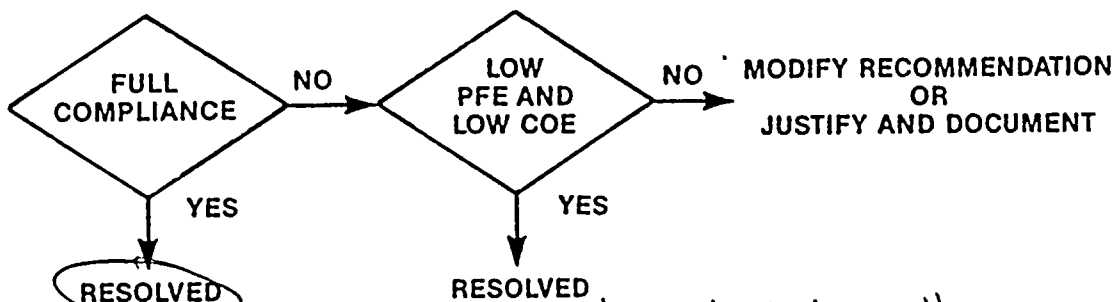
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION: walkie-talkie battery  
maintenance is being improved as part of  
communications systems review and upgrade  
efforts. Better radios are now being used which require  
less battery maintenance.

## SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]DATE 9/30/86AEPSC PROGRAM LEAD ENGINEER RFSDATE 11/1986



CLO/HED# 2.1-14

Criterion# 6.2.1.5 b

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

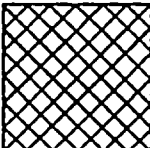
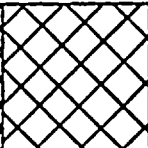
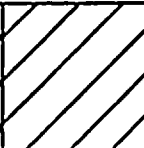
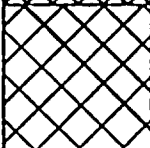
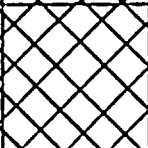
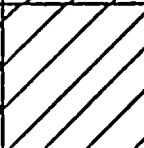
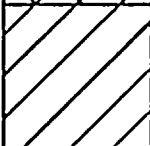
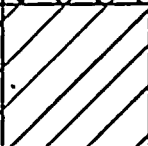

LOW

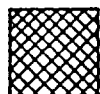
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 2.1-14

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

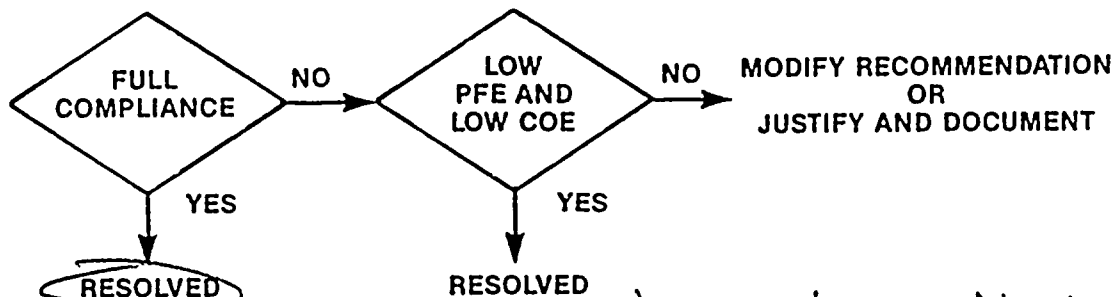
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Limiting volume adjustment of UHF radio will be considered as part of communications systems review and upgrade efforts

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

10/28/85

1/1/98





CLO/HED# 2.1-15

#6.2.1.5c

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

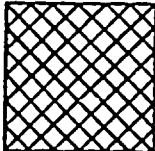
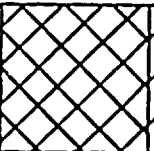

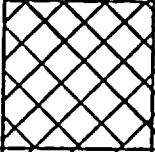
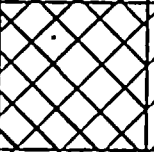

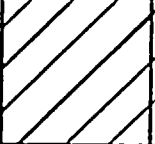
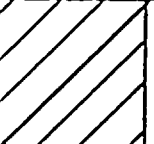

LOW

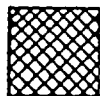
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |   |  |
|---------------------|--------|---|---|--|
|                     |        | High  | Medium  | Low  |
| Potential For Error | High   |  |  |  |
|                     | Medium |  |  |  |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



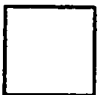
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

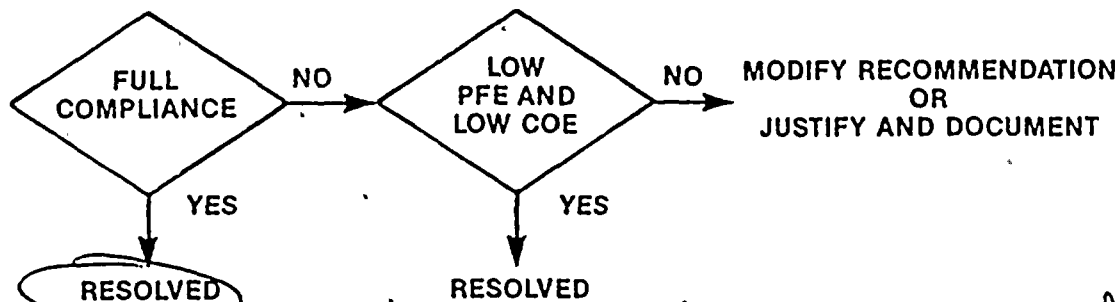
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Procedure for UHF radio  
use is being developed as part of communications  
systems review and upgrade efforts.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSO PROGRAM LEAD ENGINEER

DATE 9/30/86

DATE 1/1/986



CLO/HED# 2.1 - 16

Criterion# 6216 F

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

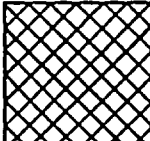
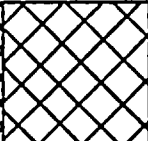
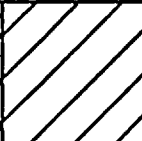
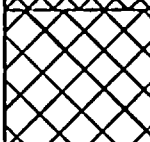
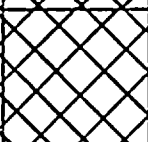
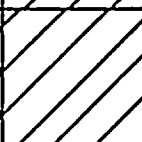

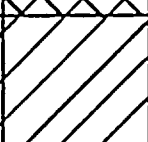

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 2.1-16

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

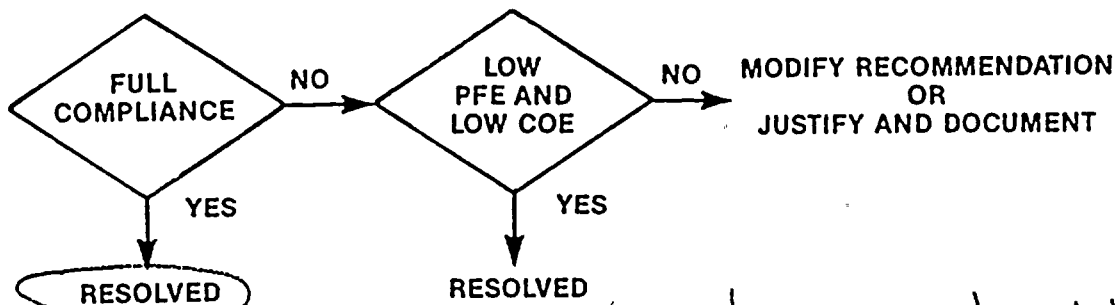
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION PA system priority stations  
are being designed as part of the communications  
systems review and upgrade efforts.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 9/30/86

DATE 11/19/86



CLO/HED# 3.1-1

Criterion# 6.3.1.3a (1) + (3)  
6.3.1.3b.

# ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

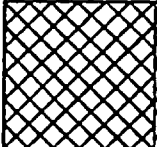
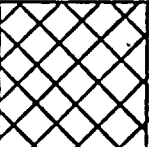
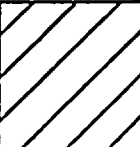
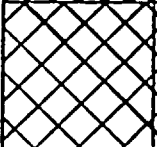
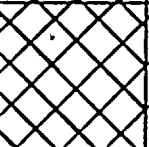

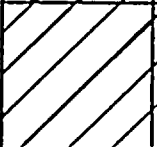
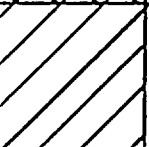

LOW

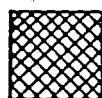
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



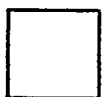
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY IV





CLO/HED# 3.1-1

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☐ APPROVED

☐ PARTIALLY APPROVED

☒ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

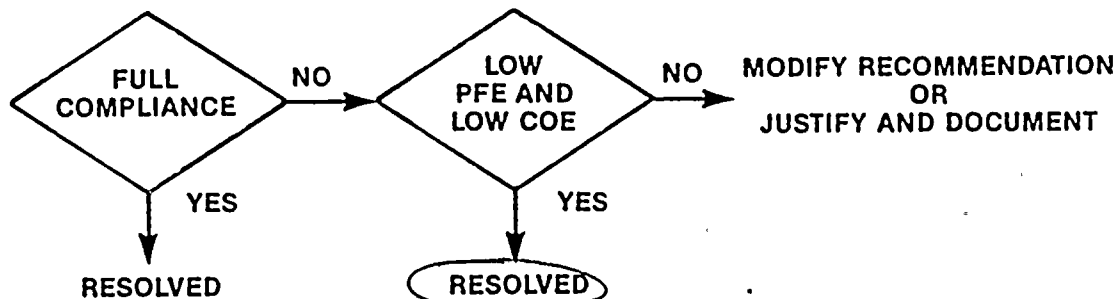
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION No Backfit was recommended by HFS, operators have access to a sequence of events monitor and the PDSO prints out alarm sequences, so identification of initiating events is readily available.

#### SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

AEPSC PROGRAM LEAD ENGINEER RFS

DATE 10/12/85

DATE 1/1/986

CLO/HED# 3.1-2

Criterion#: 6.3.1.4 b(1)&(2)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

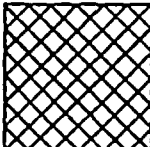
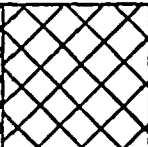
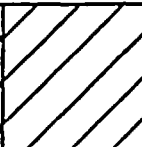
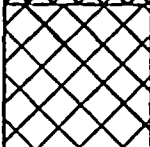
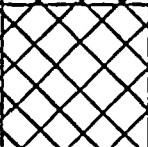
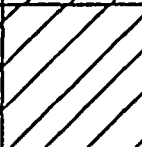
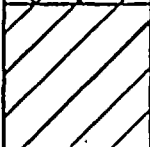
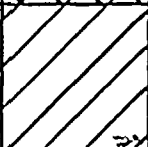

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

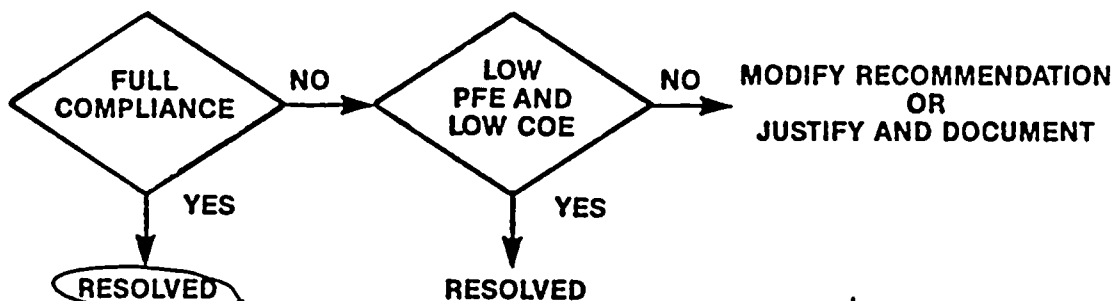
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED    ☐ PARTIALLY APPROVED    ☐ NO ACTION    ☐ OTHER

## EVALUATION

|                                 |      |            |     |
|---------------------------------|------|------------|-----|
| FULL COMPLIANCE WITH GUIDELINES | NO   | <u>YES</u> |     |
| POTENTIAL FOR ERROR (PFE)       | HIGH | MEDIUM     | LOW |
| CONSEQUENCE OF ERROR (COE)      | HIGH | MEDIUM     | LOW |



EXPLANATION OR JUSTIFICATION An annunciator study and upgrade program has been initiated. Windows are being evaluated for color coding to indicate priority. Other changes being considered include: re-engraving messages, rearrangement of alarm drops, elimination of nuisance alarms (over 200 fixed thus far) and review of ARPs.

## SIGNOFF

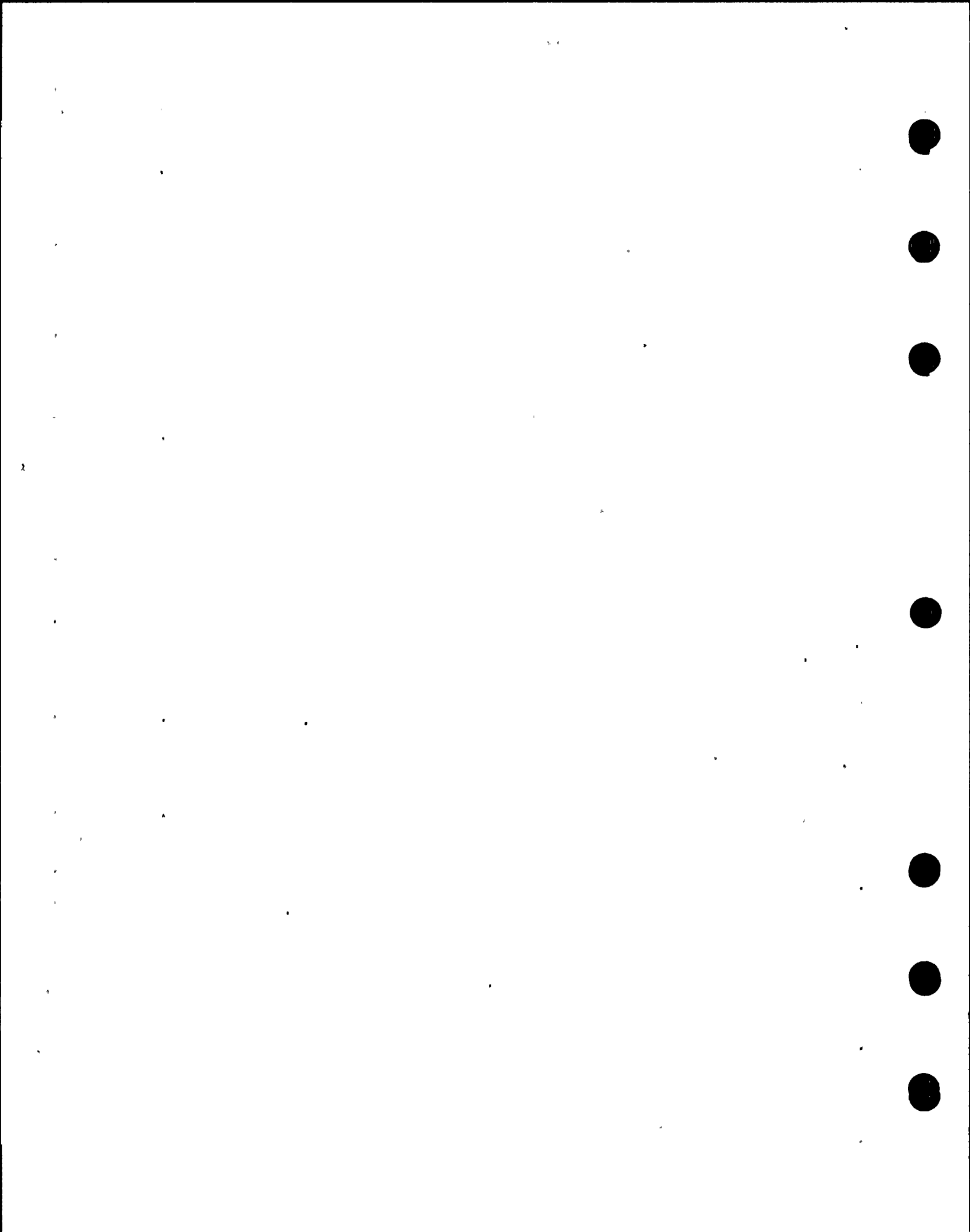
H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

10/29/851/1/86

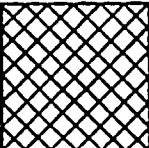
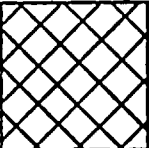
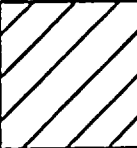
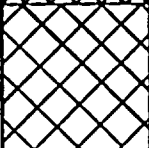
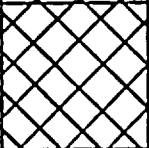

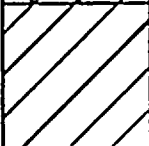
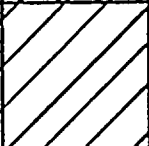



CLO/HED# 3.1-3

Criterion# 6.3.2.1 c

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)      HIGH      MEDIUM      LOW  
CONSEQUENCE OF ERROR (COE)      HIGH      MEDIUM      LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

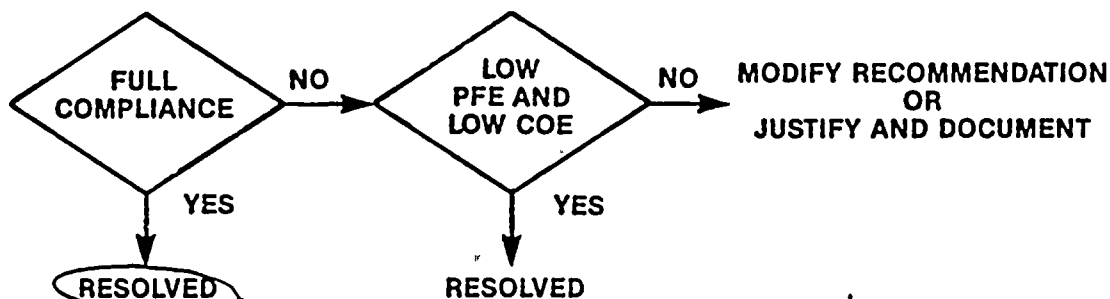
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED    ☐ PARTIALLY APPROVED    ☐ NO ACTION    ☐ OTHER

## EVALUATION

|                                 |      |            |     |
|---------------------------------|------|------------|-----|
| FULL COMPLIANCE WITH GUIDELINES | NO   | <u>YES</u> |     |
| POTENTIAL FOR ERROR (PFE)       | HIGH | MEDIUM     | LOW |
| CONSEQUENCE OF ERROR (COE)      | HIGH | MEDIUM     | LOW |



EXPLANATION OR JUSTIFICATION An annunciator study and upgrade program has been initiated. Windows are being evaluated for color coding to indicate priority. Other changes being considered include: re-engraving messages, rearrangement of alarm drops, elimination of nuisance alarms (over 200 fixed thus far) and review of ARPs. Alarm adjustment is being evaluated and RMS alarms will be considered in Nuisance alarm study.

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 11/18/85DATE 1/1/986





CLO/HED# 3.1-4

Criterion# 6.3.3.2 e

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

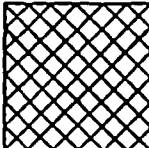
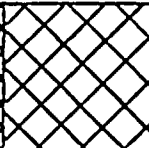
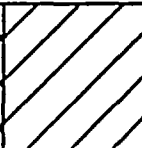
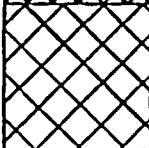
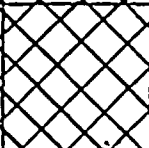
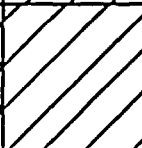
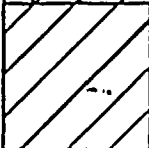
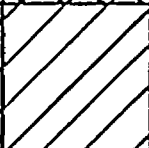

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 3.1-4

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

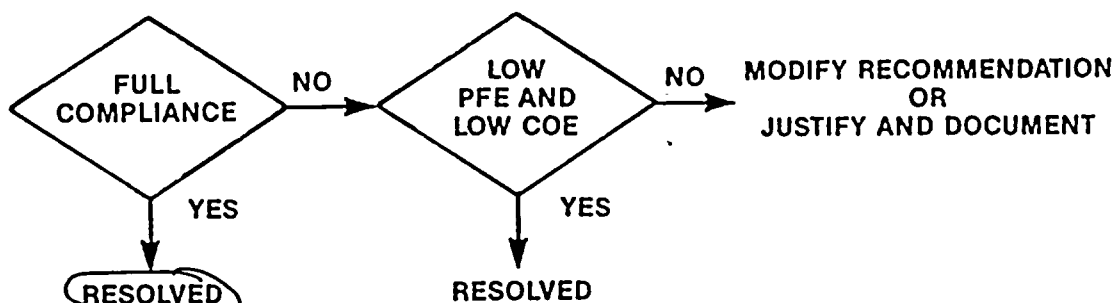
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Problem tiles (those marked with "P")  
are being evaluated and modified on an individual basis.  
Present program will continue to resolve problem and  
"normally" on annunciators.

## SIGNOFF

H.F. CONSULTANT (ESSEX) T. [Signature]DATE 11/18/85AEPSC PROGRAM LEAD ENGINEER RFSDATE 11/19/86

CLO/HED# 3.1-5

Criterion# 6.3.1.2 c (3)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

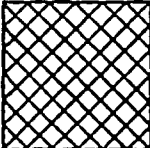
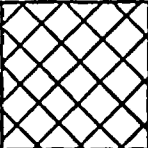

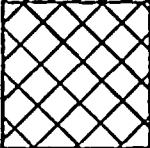
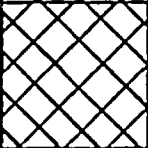


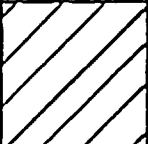

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED☒ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

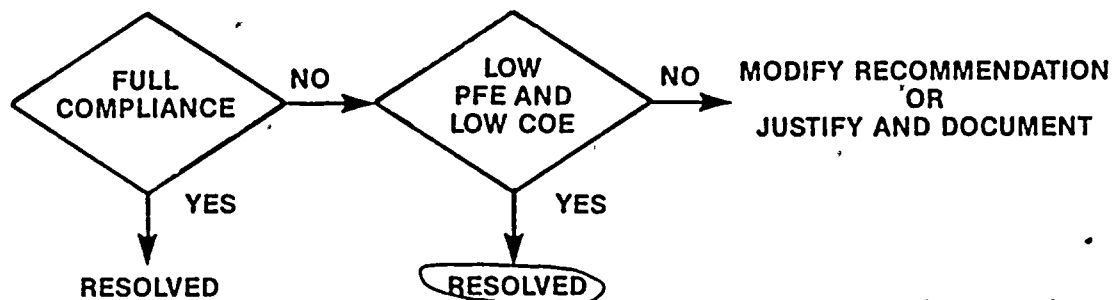
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION: AEPSC has reviewed all multiple input drops, and dedicated alarms are being evaluated for important CAS drops (3.1-11) and RCP Oil Pots (3.1-15). Other alarms do not require reflash, since similar local action would be required for each.

## SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

AEPSC PROGRAM LEAD ENGINEER \_\_\_\_\_

DATE 9/30/86

DATE 1/19/86



CLO/HED# 3.1-6

Criterion# 6.3.3.2 F(1)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

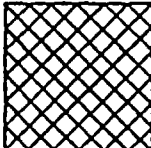
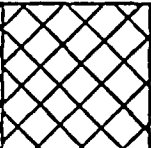
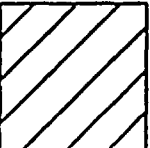
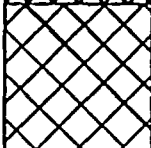
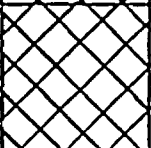
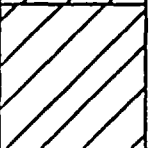
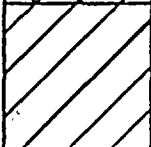
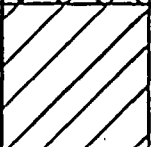





LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |  |   |
|---------------------|--------|---|--|---|
|                     |        | High  | Medium   | Low   |
| Potential For Error | High   |    |   |   |
|                     | Medium |    |   |   |
|                     | Low    |   |  |  |
|                     |        |  | Category I -- High priority; corrective action should be taken.                    |   |
|                     |        |  | Category II -- Medium priority; corrective action is highly recommended.           |   |
|                     |        |  | Category III -- Low priority; corrective action is recommended.                    |   |
|                     |        |  | Category IV -- No corrective action necessary, but should be considered.           |   |

ASSESSMENT CATEGORY

III





CLO/HED# 3.1-6

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

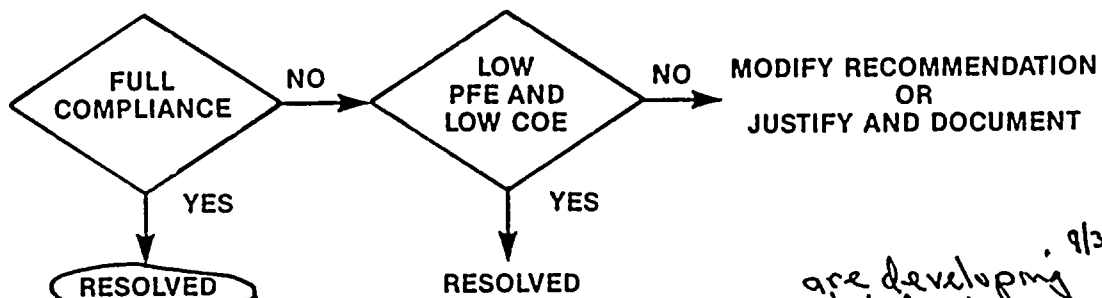
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Plant personnel <sup>are developing</sup> will develop a method to code annunciators which are on for extended period for repair of equipment. A color dot or similar means will be used. Administrative controls will be in place for adding & removing dots.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 11/18/85

DATE 11/19/86



CLO/HED# 3.1-7

6.3.3.3e

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

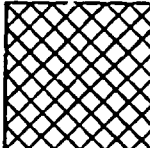
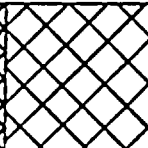
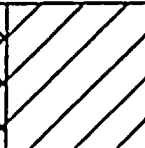
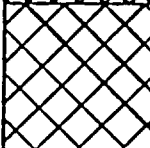
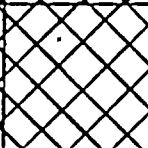
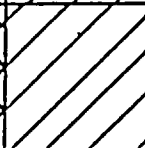
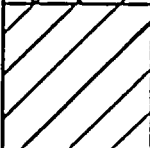
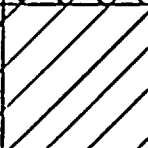

LOW

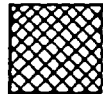
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



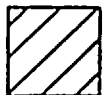
Category I --

High priority; corrective action should be taken.



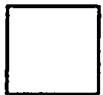
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II

CLO/HED# 3.1-7

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

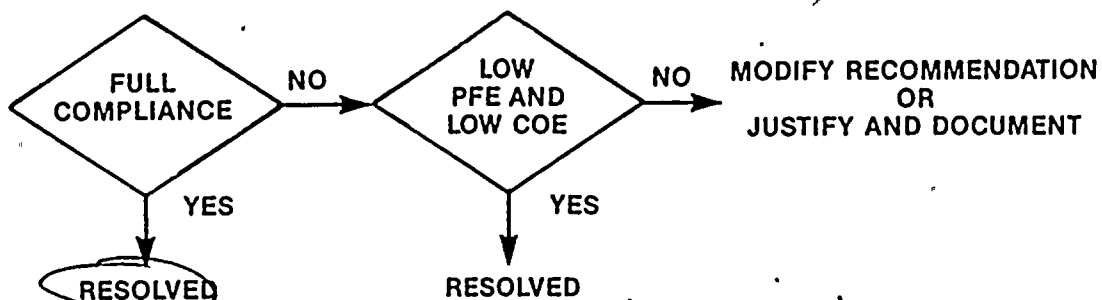
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Preventative maintenance program is to be started so that all bulbs will be tested weekly and any annunciators with one bulb out will have burnt-out bulb replaced. This is in addition to testing at shift change.

*twice 9/30/86*

## SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

AEPSC PROGRAM LEAD ENGINEER RFSDATE 11/18/85DATE 11/1986



CLO/HED# 3.1 -B

Criterion# 6.3.1.2. a (1)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

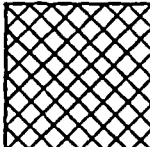
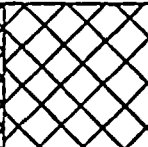

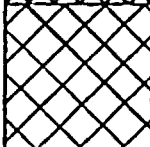
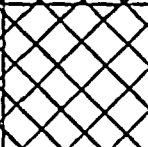

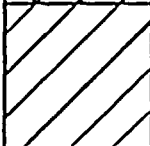
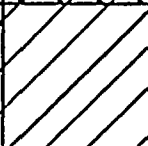

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED# 3.1-8

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

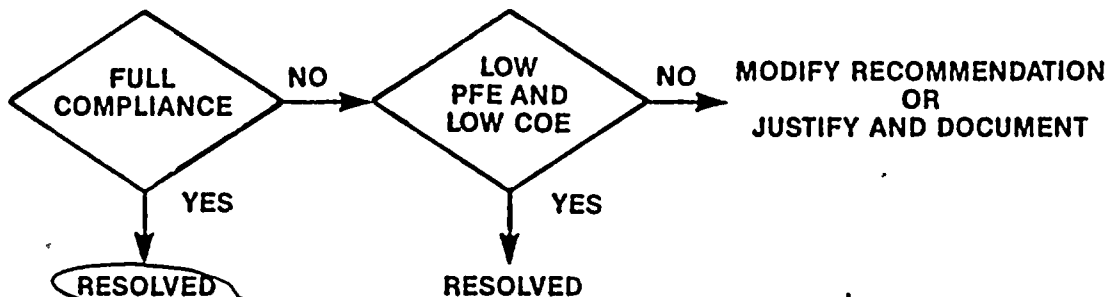
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED    ☐ PARTIALLY APPROVED    ☐ NO ACTION    ☐ OTHER

## EVALUATION

|                                 |      |            |     |
|---------------------------------|------|------------|-----|
| FULL COMPLIANCE WITH GUIDELINES | NO   | <u>YES</u> |     |
| POTENTIAL FOR ERROR (PFE)       | HIGH | MEDIUM     | LOW |
| CONSEQUENCE OF ERROR (COE)      | HIGH | MEDIUM     | LOW |



EXPLANATION OR JUSTIFICATION An annunciator study and upgrade program has been initiated. Windows are being evaluated for color coding to indicate priority. Other changes being considered include: re-engraving messages, rearrangement of alarm drops, elimination of nuisance alarms (over 200 fixed thus far) and review of ARPs.

## SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]  
 AEPSC PROGRAM LEAD ENGINEER RAS

DATE 11/18/85  
 DATE 1/1/86



CLO/HED# 3.1-9

Criterion # 6.3.1.2 a(2)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

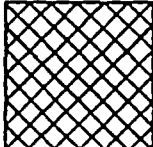
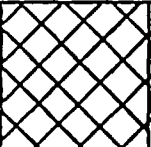

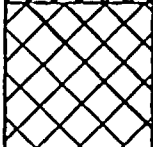
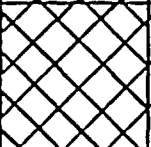


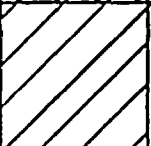

LOW

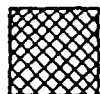
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken..



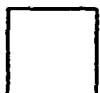
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED#3.1-9

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

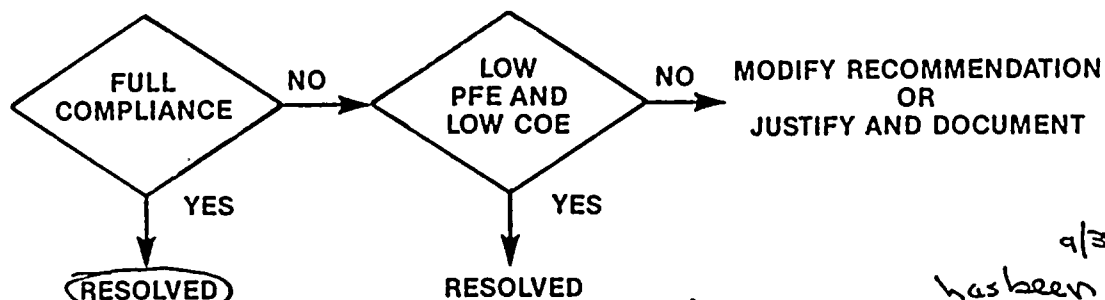
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

- ☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

## EVALUATION

|                                 |      |            |     |
|---------------------------------|------|------------|-----|
| FULL COMPLIANCE WITH GUIDELINES | NO   | <u>YES</u> |     |
| POTENTIAL FOR ERROR (PFE)       | HIGH | MEDIUM     | LOW |
| CONSEQUENCE OF ERROR (COE)      | HIGH | MEDIUM     | LOW |



EXPLANATION OR JUSTIFICATION Engineering review will have been undertaken to determine appropriateness of set points and adjust accordingly. Tave + Seismic monitor alarms can't be modified due to nature of alarms, e.g. can't give earlier warning of an earthquake (seismic event).

## SIGNOFF

H.F. CONSULTANT (ESSEX) T DATE 11/25/85

AEPSC PROGRAM LEAD ENGINEER RAS DATE 11/1986



D



CLO/HED# 3.1-10

Criterion#: 6.3.3.1 a

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

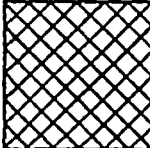
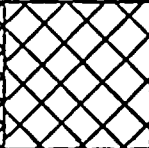
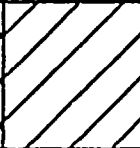
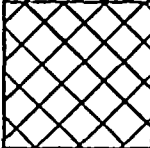
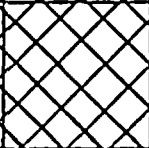


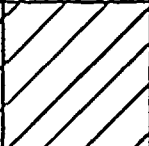

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

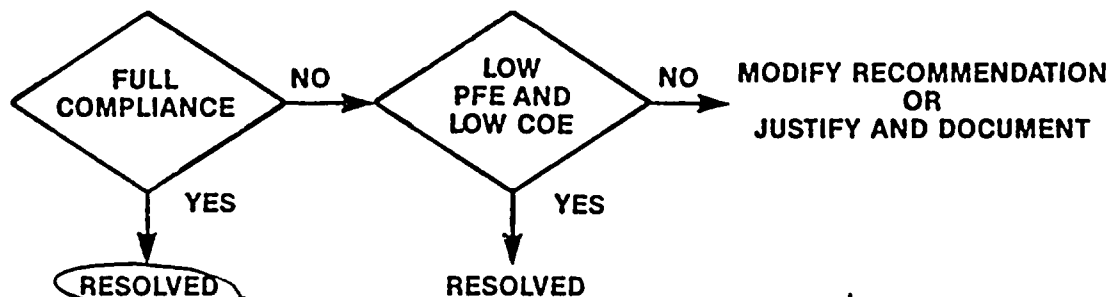
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED    ☐ PARTIALLY APPROVED    ☐ NO ACTION    ☐ OTHER

## EVALUATION

|                                 |      |            |     |
|---------------------------------|------|------------|-----|
| FULL COMPLIANCE WITH GUIDELINES | NO   | <u>YES</u> |     |
| POTENTIAL FOR ERROR (PFE)       | HIGH | MEDIUM     | LOW |
| CONSEQUENCE OF ERROR (COE)      | HIGH | MEDIUM     | LOW |



EXPLANATION OR JUSTIFICATION An annunciator study and upgrade program has been initiated. Windows are being evaluated for color coding to indicate priority. Other changes being considered include: re-engraving messages, rearrangement of alarm drops, elimination of nuisance alarms (over 200 fixed thus far) and review of ARPs.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 11/18/85DATE 11/1986



CLO/HED# 3.1 = 11

Criterion #: 6.3.1.2.b(2)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

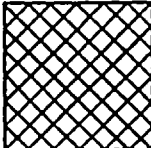
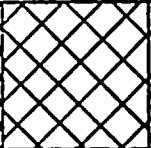

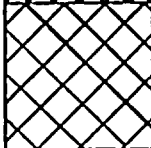
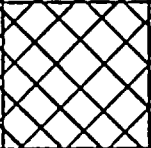

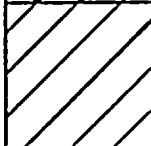
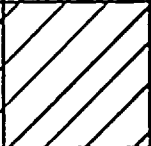

LOW

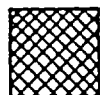
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II





CLO/HED# 3.1-11.

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

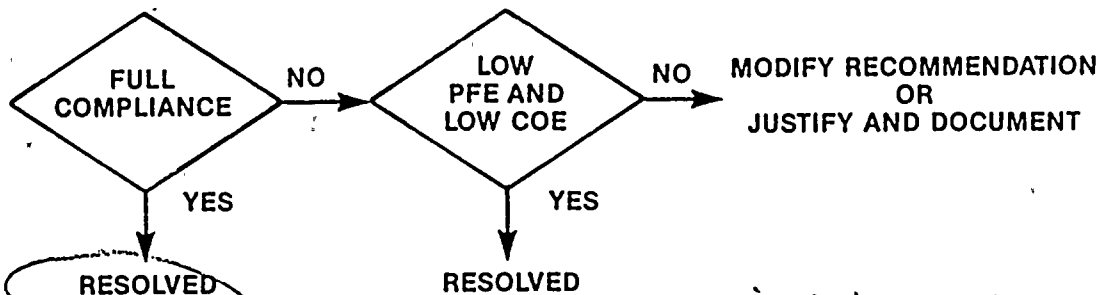
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Engineering will review alarm setpoints to determine if operator action is needed and if there is enough time to respond to each alarm. Will also look at CAS alarms to see if any should be on main control boards.

#### SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

AEPSC PROGRAM LEAD ENGINEER RFS

DATE 11/18/86

DATE 11/19/86



CLO/HED# 3.1 - 12

Criterion# 6.3.3.4 c

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

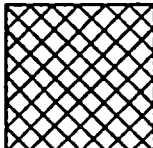
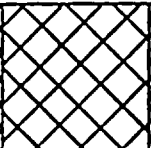

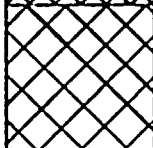
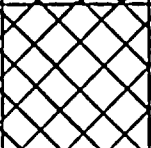

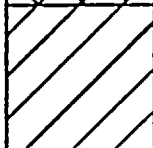
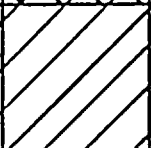

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 3.1-12

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED☒ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

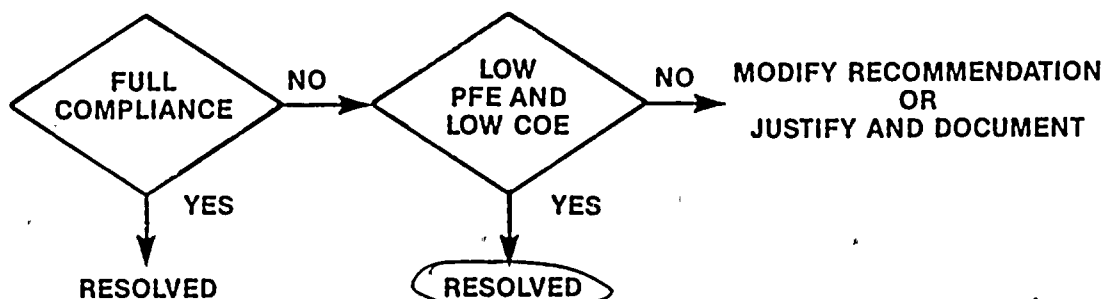
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION All dual messages were reviewed, and RCP Oil level alarms will be split out per 3.1-15. No other changes are deemed necessary. For all alarms, whether single or dual (such as high/low) the operator is trained to verify the alarm condition by checking appropriate indicators. Therefore, dual alarms do not cause unnecessary checking, and separate windows are not needed.

SIGNOFF

H.F. CONSULTANT (ESSEX)

DATE

9/30/86

AEPSC PROGRAM LEAD ENGINEER

RAS

DATE

11/24/86



CLO/HED# 3.1-13.

6.3.4.3a

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

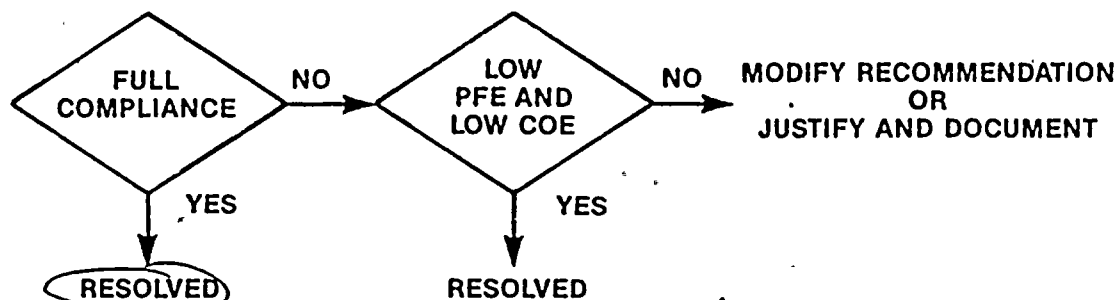
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

The annunciator response book  
is undergoing bi-annual review and will be revised  
as appropriate.

#### SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

AEPSC PROGRAM LEAD ENGINEER \_\_\_\_\_

DATE 11/18/85

DATE 1/1/986



CLO/HED# 3.1-13

6.3.4.3a

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

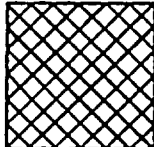
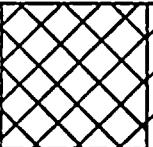

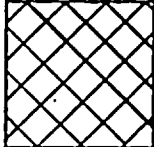
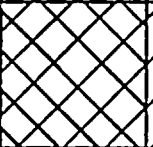


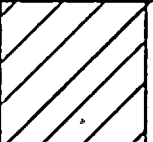

Low

Potential For Error

High

Medium

Low

|        |  |  |   |
|--------|--|--|---|
|        | High   | Medium   | Low   |
| High   |   |   |   |
| Medium |   |   |   |
| Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II





CLO/HED# 3.1-14

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☐ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☒ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

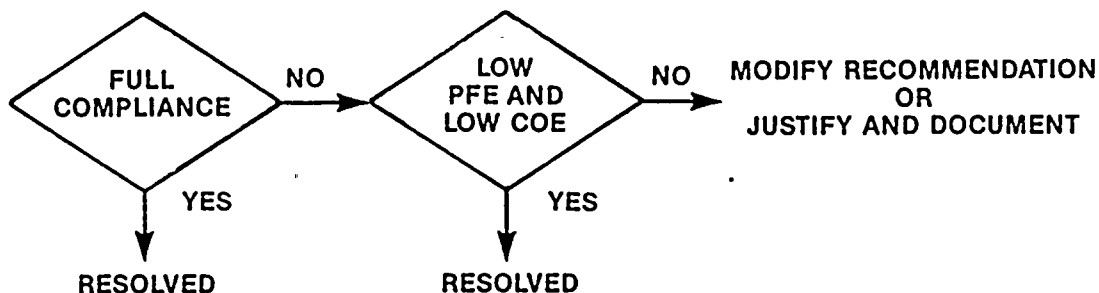
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Not a CDRR issue. Will be referred to plant as an  
industrial safety issue

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

TJH

DATE

11/18/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE

11/19/86



## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

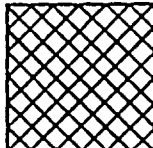
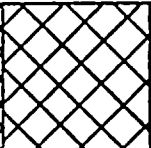

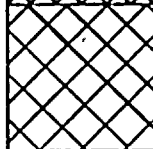
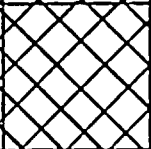
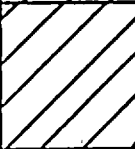
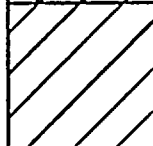
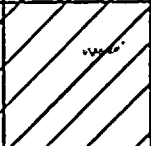

Low

Potential For Error

High

Medium

Low

|        |  |  |   |
|--------|--|--|---|
|        | High   | Medium   | Low   |
| High   |   |   |   |
| Medium |   |   |   |
| Low    |  |  |  |



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 3.1-15

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

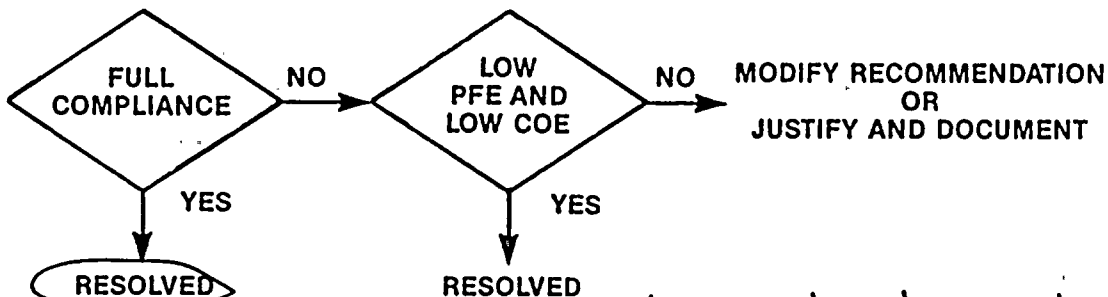
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Splitting out alarms by upper and lower pots according to reservoir and installing local indication is being evaluated.

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 01/18/85

DATE 11/1986



CLO/HED# 3.1-16

6.3.4.1C

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

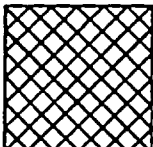
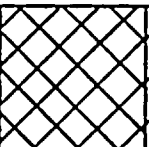

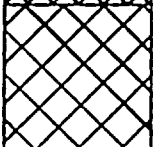
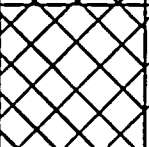

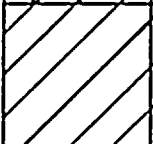
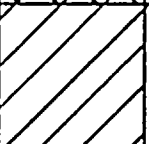

LOW

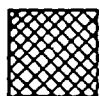
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

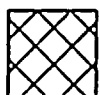
LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



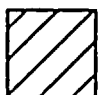
Category I --

High priority; corrective action should be taken.



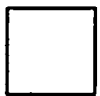
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV





CLO/HED# 3.1-16

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☐ APPROVED

☐ PARTIALLY APPROVED

☒ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

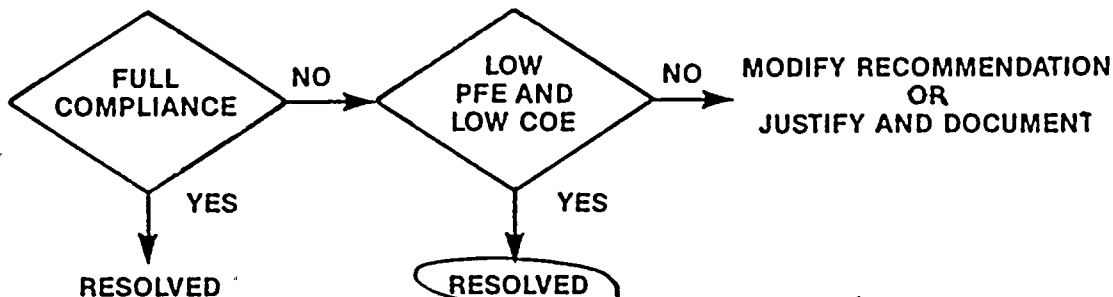
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Seal-in type alarms are used in applications where the initiating signal is momentary and the operator would not have time to react were it not seal-in. The alarms are coded with a black band and a special reset is provided.

#### SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]

DATE 11/18/85

AEPSC PROGRAM LEAD ENGINEER RFS

DATE 11/19/86

CLO/HED# 3.1-17

Criterion# 6.3.3.4 a

ASSESSMENT RECORD

|                            |  |             |               |     |
|----------------------------|--|-------------|---------------|-----|
| POTENTIAL FOR ERROR (PFE)  |  | HIGH        | <u>MEDIUM</u> | LOW |
| CONSEQUENCE OF ERROR (COE) |  | <u>HIGH</u> | MEDIUM        | LOW |

Consequence Of Error

|                     |        |        |     |
|---------------------|--------|--------|-----|
|                     | High   | Medium | Low |
| Potential For Error | High   |        |     |
|                     | Medium |        |     |
|                     | Low    |        |     |

|  |                 |   |
|--|-----------------|---|
|  | Category I --   | High priority; corrective action should be taken.         |
|  | Category II --  | Medium priority; corrective action is highly recommended. |
|  | Category III -- | Low priority; corrective action is recommended.           |
|  | Category IV --  | No corrective action necessary, but should be considered. |

ASSESSMENT CATEGORY II



CLO/HED# 3.1-17

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

**PENDING**

1

**FURTHER REVIEW BY**

Assessment Team

DATE \_\_\_\_\_

$$\underline{11485}$$


**FURTHER REVIEW BY**



FURTHER REVIEW BY

## DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☒ NO ACTION

☐ OTHER

## EVALUATION

## FULL COMPLIANCE WITH GUIDELINES

NO

☒ YES

### POTENTIAL FOR ERROR (PFE)

## HIGH

## MEDIUM

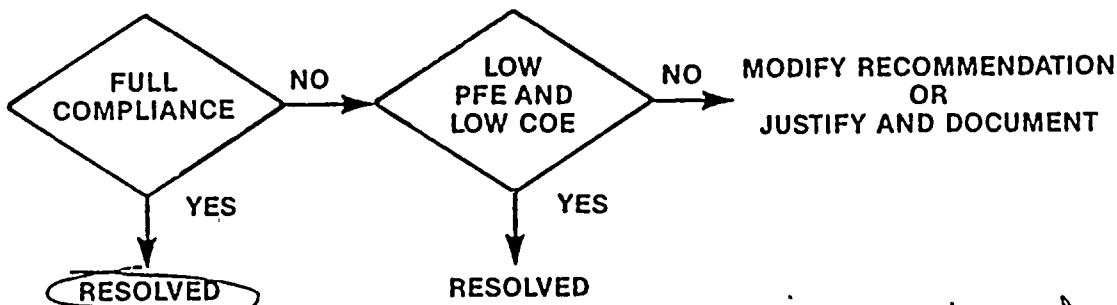
**LOW**

### CONSEQUENCE OF ERROR (COE)

# HIGH

**MEDIUM**

**LOW**



EXPLANATION OR JUSTIFICATION

EXPLANATION OR JUSTIFICATION AEPSC engineering and operations reviewed PZR annunciator alarms and neither could find any basis for a problem. Therefore, no change is recommended.

## SIGNOFF

**H.F. CONSULTANT (ESSEX)**

**AEPSC PROGRAM LEAD ENGINEER**

DATE \_\_\_\_\_

DATE \_\_\_\_\_

10/1/86

111986



CLO/HED# 3.1-18

6.3.2.2 a (1)

# ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

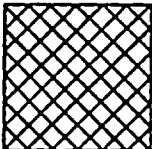
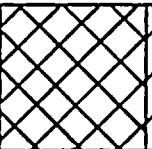

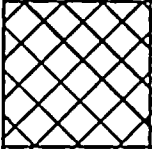
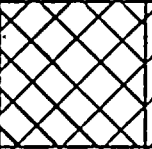


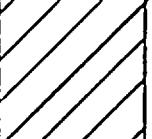
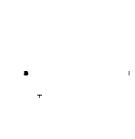
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV





CLO/HED# 3.1-18.

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☐ APPROVED    ☐ PARTIALLY APPROVED    ☒ NO ACTION    ☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

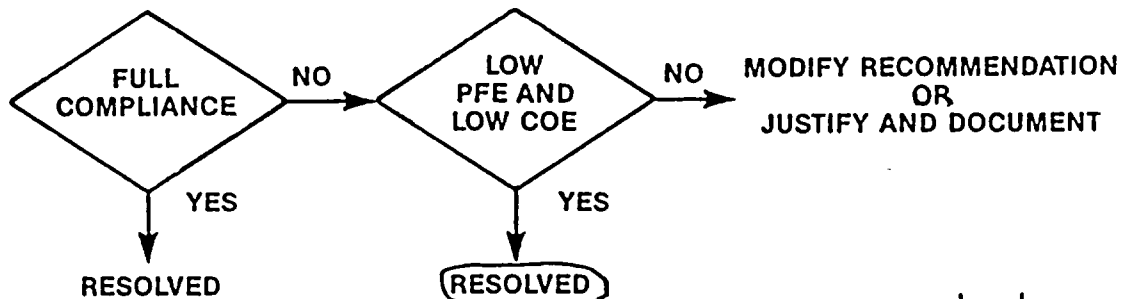
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

*There are separate towers for front, left and right portions of CR. In addition a "bulls eye" lights up on the individual matrix containing the alarming window. The CW annunciator matrix has a bulls eye on the plant servia panel which is easily viewed from front of CR.*

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

*11/18/85*

*11/1986*

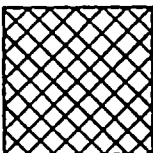
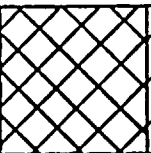

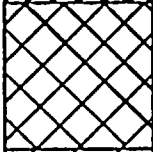
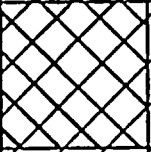






CLO/HED# 3.1 - 19

Criterion #: 6.3.1.2C (2)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)      HIGH    MEDIUM    LOW  
CONSEQUENCE OF ERROR (COE)    HIGH    MEDIUM    LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY    III



CLO/HED# 3.1-19

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED☐ PARTIALLY APPROVED☒ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

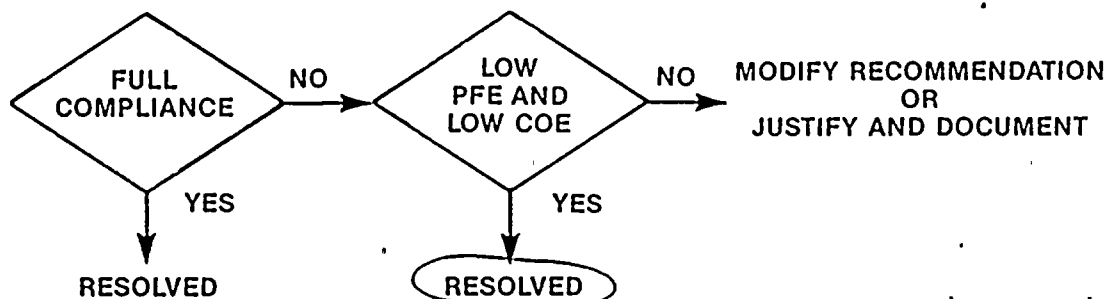
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION AEPSC has reviewed all multiple input drops and has found no additional printouts to be needed. CR has about 1500 alarms and it is not necessary to print-out all alarms. Some multiple input alarms are those with interlocks to prevent them from coming in during inappropriate plant conditions.

## SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

AEPSC PROGRAM LEAD ENGINEER \_\_\_\_\_

DATE

10/1/86

DATE

11/1986

CLO/HED# 3.1-20

Criterion# 6.3.3.5 b(1) & (2)  
6.3.3.5 a (2)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

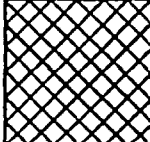
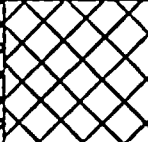
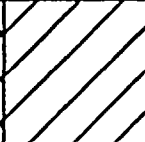

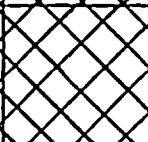
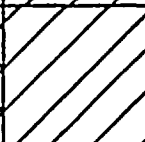

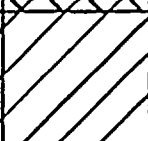

LOW

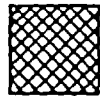
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



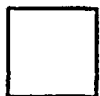
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

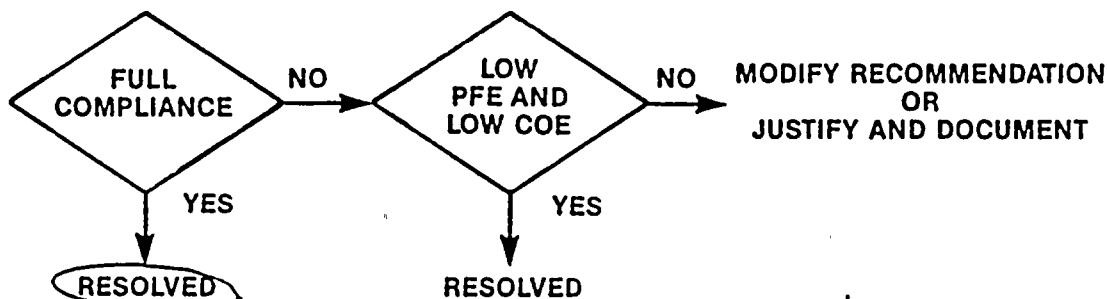
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED    ☐ PARTIALLY APPROVED    ☐ NO ACTION    ☐ OTHER

## EVALUATION

|                                 |      |            |     |
|---------------------------------|------|------------|-----|
| FULL COMPLIANCE WITH GUIDELINES | NO   | <u>YES</u> |     |
| POTENTIAL FOR ERROR (PFE)       | HIGH | MEDIUM     | LOW |
| CONSEQUENCE OF ERROR (COE)      | HIGH | MEDIUM     | LOW |



EXPLANATION OR JUSTIFICATION An annunciator study and upgrade program has been initiated. Windows are being evaluated for color coding to indicate priority. Other changes being considered include: re-engraving messages, rearrangement of alarm drops, elimination of nuisance alarms (over 200 fixed thus far) and review of ARPs.

## SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/18/85

AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/19/86





CLO/HED# 3.1-21

Criterion# 6.6.6.2a(1)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

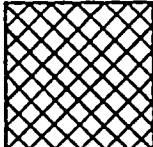
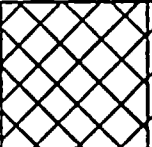

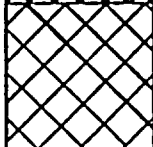
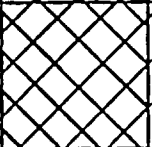

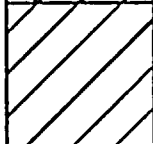
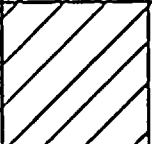

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II



CLO/HED# 3.1-21

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED☒ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

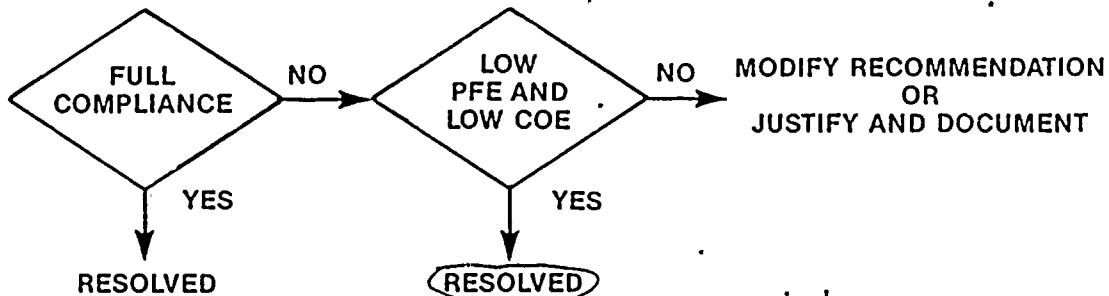
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION Some annunciator arrays do have too many windows, however, to acknowledge an alarm operator has to push the individual button in alarm. Alarms will be rearranged and color coded, but demarcation is not recommended due to narrowness of space between alarms and high probability of visual clutter.

## SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]DATE 11/1/86AEPSC PROGRAM LEAD ENGINEER RAISDATE 11/1/86

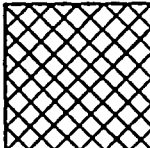
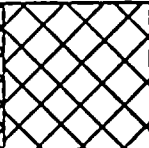
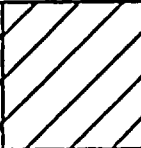
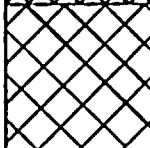
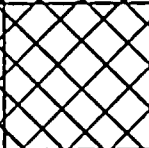

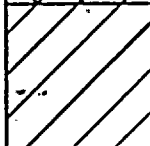
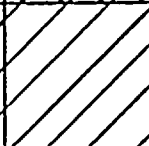



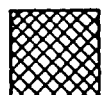
CLO/HED# 3.1-22

Criterion# 6.3.3.4a

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)      HIGH    MEDIUM    LOW  
CONSEQUENCE OF ERROR (COE)    HIGH    MEDIUM    LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY    II

CLO/HED# 3.1-22

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED    ☐ PARTIALLY APPROVED    ☐ NO ACTION    ☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

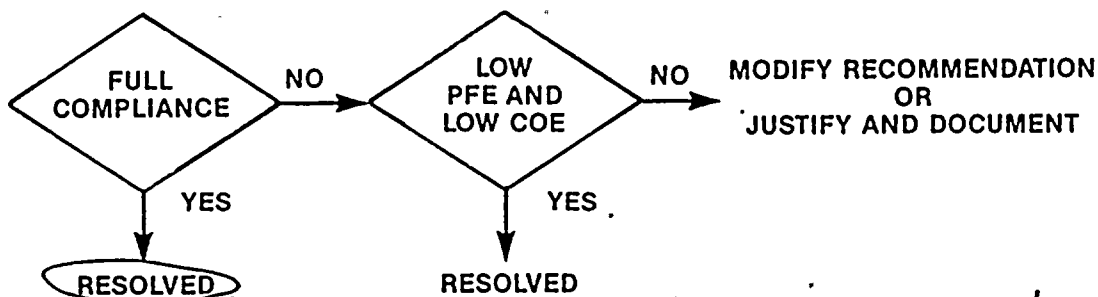
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Tiles are to be re-engraved using  
standard abbreviations so they are more concise and fit  
on 3 lines. To be included in the annunciator study.

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 4/30/85

DATE 1/1/986

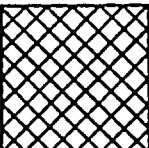
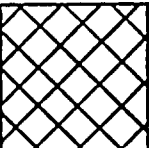
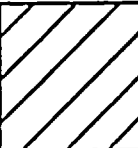
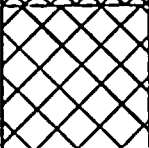
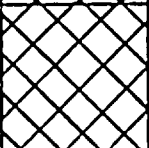

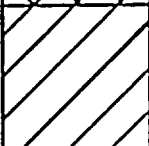
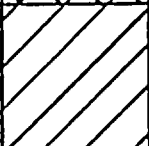



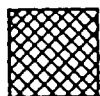
CLO/HED# 3.1-23

Criteria# 6.3.3.5 b(3)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)      HIGH      MEDIUM      LOW  
CONSEQUENCE OF ERROR (COE)      HIGH      MEDIUM      LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY      II



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

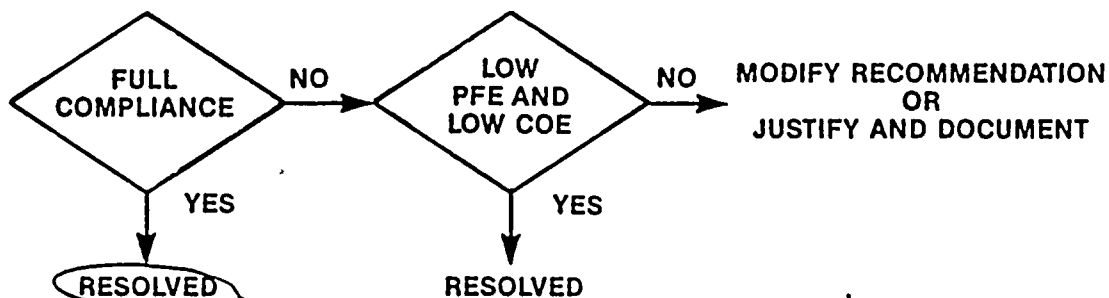
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION An annunciator study and upgrade program has been initiated. Windows are being evaluated for color coding to indicate priority. Other changes being considered include: re-engraving messages, rearrangement of alarm drops, elimination of nuisance alarms (over 200 fixed thus far) and review of ARPs.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

11/18/8511/1986

CLO/HED# 3.1 -24

Criterion # 6.3.3.3 d(1)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

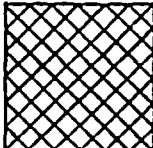
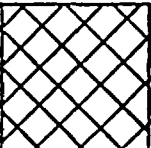

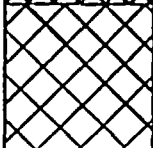
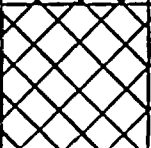

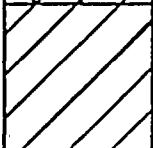
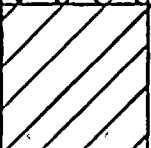
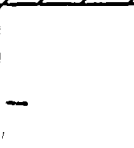
LOW

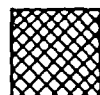
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



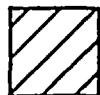
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

- ☐ APPROVED    ☒ PARTIALLY APPROVED    ☐ NO ACTION    ☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

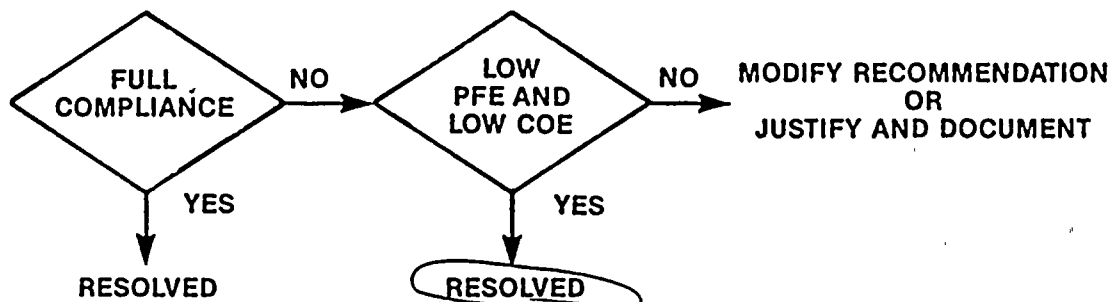
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION

The 100 drop annunciator banks will be retained, but alarms are being evaluated for rearrangement and color coding according to priority.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

DATE 11/18/85

AEPSC PROGRAM LEAD ENGINEER

DATE 11/19/86



CLO/HED# 3.1-25

6.3.2.1f

# ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

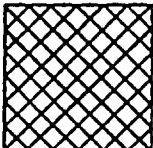
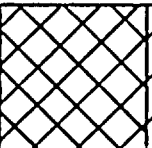

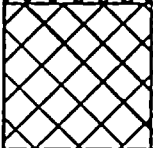
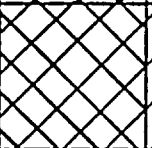

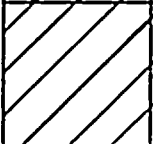
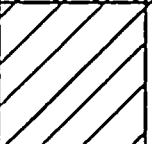

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# 3.1-25

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED☐ PARTIALLY APPROVED☒ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

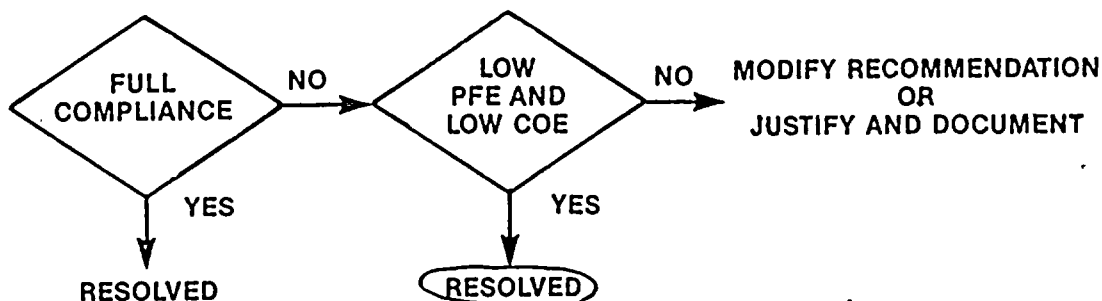
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION There are 3 tones which focus operator's attention to front left, or right. Each annunciator has a "bullseye" light to further focus operator's attention. The "bullseye" for the CW panel annunciators which are normally out of view is located in view on the plant service panel. See 3.1-18

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 11/18/85DATE 11/19/86





CLO/HED# 3.1 -26

Criterion#: 6.3.2.1d

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

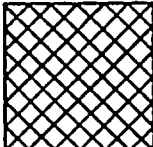
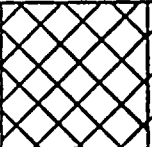

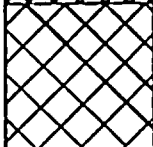
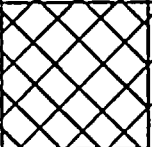

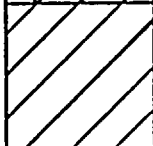
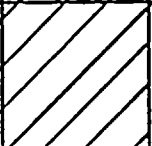
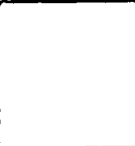
LOW

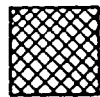
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



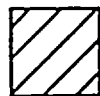
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 3.1-26

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

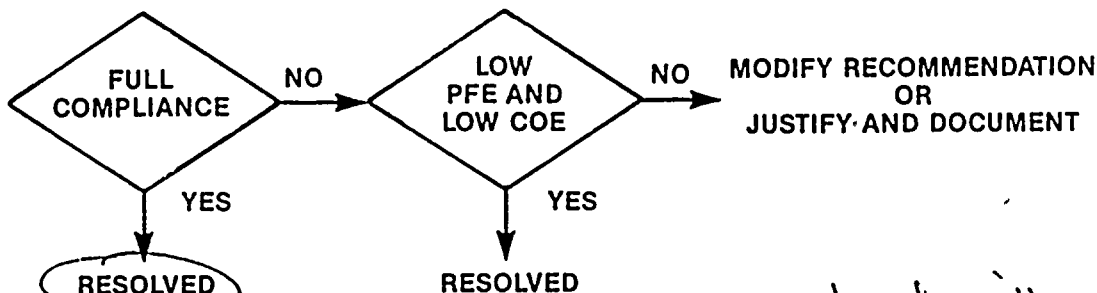
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Speaker output will be adjusted similar to other annunciator speakers in compliance with NUREG-0700 guidelines

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

11/18/85

DATE

1/1/86



CLO/HED# 3.1-27

Criterion # 6.3.3.5 c (1)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

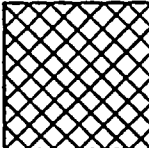
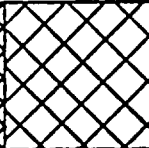
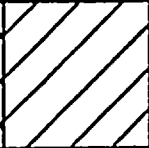
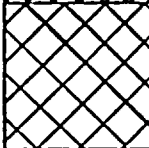
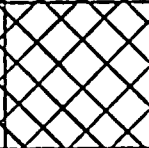
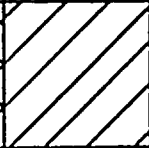
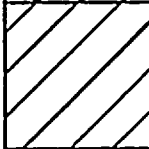
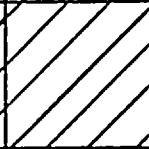
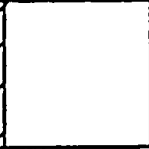
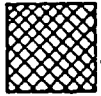



LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |    |  |  |
|                     |        |  Category I -- High priority; corrective action should be taken.          |  |   |
|                     |        |  Category II -- Medium priority; corrective action is highly recommended. |  |   |
|                     |        |  Category III -- Low priority; corrective action is recommended.          |  |   |
|                     |        |  Category IV -- No corrective action necessary, but should be considered. |  |   |

ASSESSMENT CATEGORY

II



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

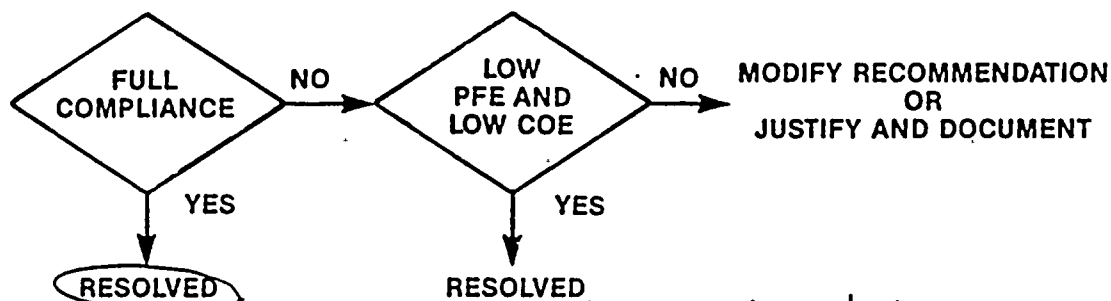
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION An annunciator study and upgrade program has been initiated. Windows are being evaluated for color coding to indicate priority. Other changes being considered include: re-engraving messages, rearrangement of alarm drops, elimination of nuisance alarms (over 200 fixed thus far) and review of ARPs.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 11/18/85DATE 11/1986



CLO/HED# 3.1-28

Criterion# 6.3.3.3 c (1) + (2)  
6.8.3.2 d (1)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

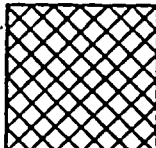
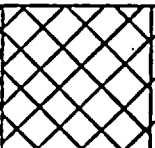

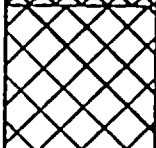
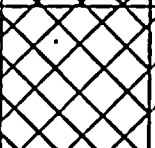

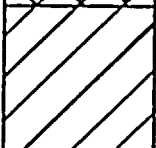
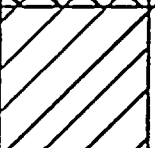

LOW

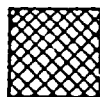
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY IV

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED☐ PARTIALLY APPROVED☒ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

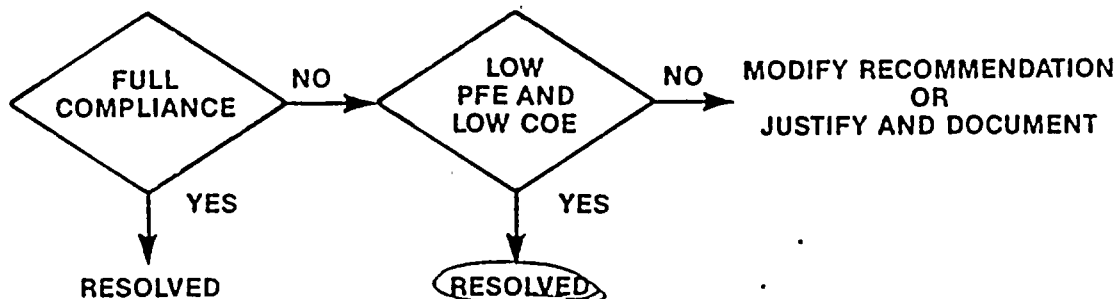
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION No Backfit recommended by HF specialist. D.C. Cook annunciator boxes much smaller than other plants, so labels would clutter displays. Labeling axis would also interfere with current numbering system used.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]DATE 11/1/85

AEPSC PROGRAM LEAD ENGINEER

RFSDATE 11/1/86



CLO/HED# 3.1-29

6.3.1.5b

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

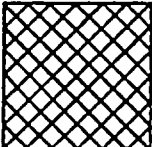
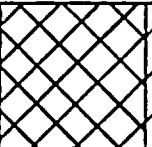

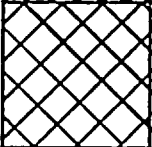
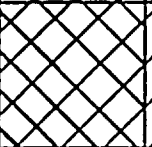


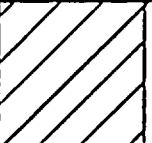

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 3.1-29

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED☐ PARTIALLY APPROVED☒ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

(NO)

YES

POTENTIAL FOR ERROR (PFE)

HIGH

(MEDIUM)

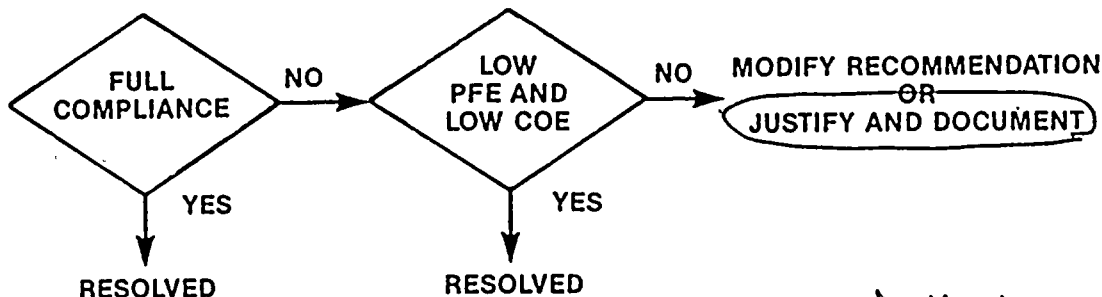
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

(LOW)



EXPLANATION OR JUSTIFICATION Since acknowledged all alarms must be pressed to clear. A cleared alarm would then be dark, if lit it is a new alarm. Therefore, the operator knows if an alarm is new or cleared as soon as the button is pushed.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. VoraDATE 4/29/85

AEPSC PROGRAM LEAD ENGINEER

RFSDATE 11/1986



CLO/HED# 3.1 -30

Criterion# 6.3.4.2.C

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

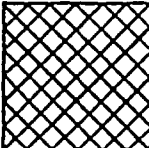
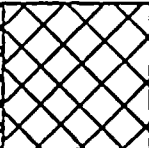

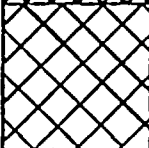
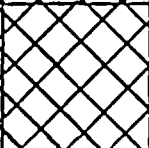


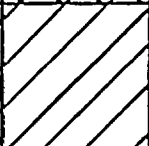

LOW

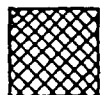
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



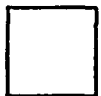
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

I





CLO/HED# 3.1-30

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED☒ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

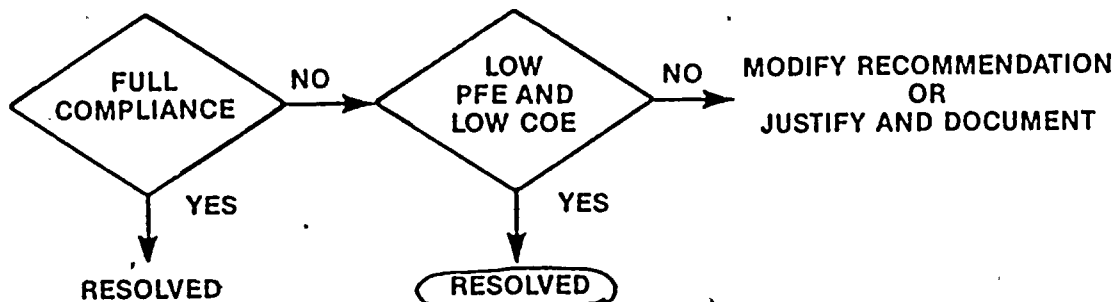
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION There is an ongoing program to fix problem and nuisance alarms (will be continued with Annunciations Study). Pegging is controlled administratively, all pegging is properly logged.

## SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

AEPSC PROGRAM LEAD ENGINEER \_\_\_\_\_

DATE 11/18/85DATE 1/19/86

CLO/HED# 3.1-31

Criterion #: 6.3.3.5 d

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

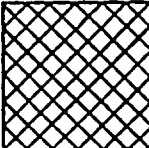
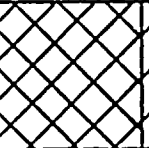
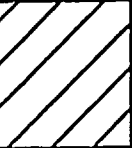
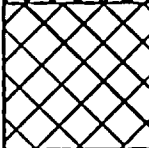
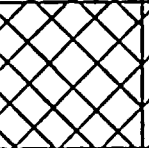
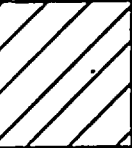
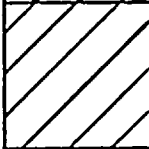
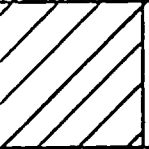

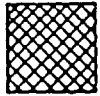



LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |  |   |
|---------------------|--------|---|--|---|
|                     |        | High  | Medium   | Low   |
| Potential For Error | High   |    |   |   |
|                     | Medium |    |   |   |
|                     | Low    |   |  |  |
|                     |        |  | Category I -- High priority; corrective action should be taken.                    |   |
|                     |        |  | Category II -- Medium priority; corrective action is highly recommended.           |   |
|                     |        |  | Category III -- Low priority; corrective action is recommended.                    |   |
|                     |        |  | Category IV -- No corrective action necessary, but should be considered.           |   |

ASSESSMENT CATEGORY III



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

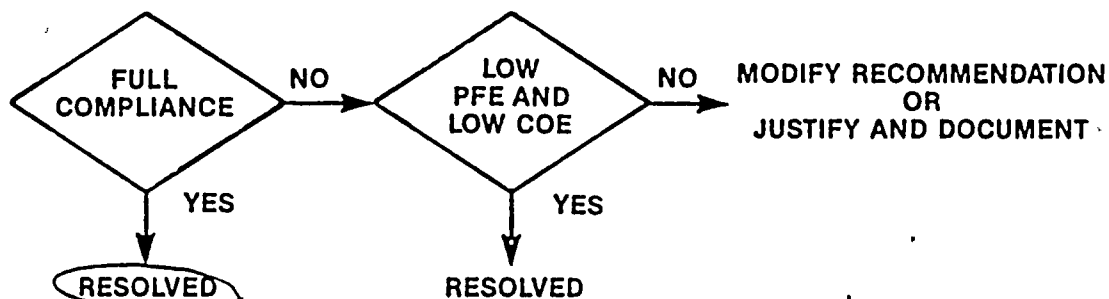
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION An annunciator study and upgrade program has been initiated. Windows are being evaluated for color coding to indicate priority. Other changes being considered include: re-engraving messages, rearrangement of alarm drops, elimination of nuisance alarms (over 200 fixed thus far) and review of ARPs.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 11/18/85DATE 11/19/86



CLO/HED# 3.1-32

Criterion #: 6.3.3.3c(12)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

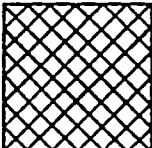
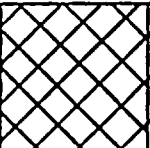
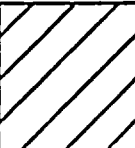
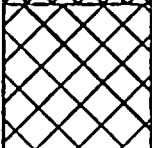
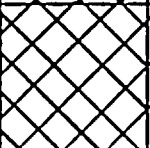


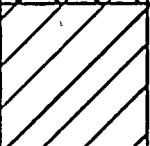

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

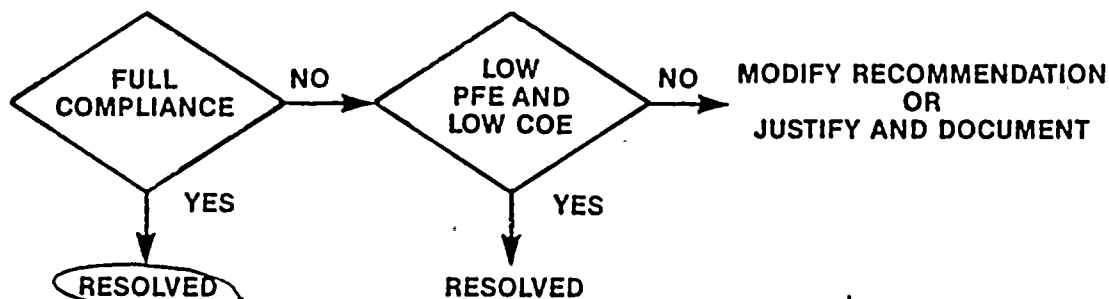
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION An annunciator study and upgrade program has been initiated. Windows are being evaluated for color coding to indicate priority. Other changes being considered include: re-engraving messages, rearrangement of alarm drops, elimination of nuisance alarms (over 200 fixed thus far) and review of ARPs.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 11/18/85DATE 1/1/86





CLO/HED# 3.1-33

Criterion# 6.5.1.6 c (1)(2)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

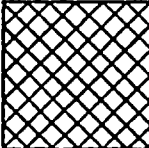
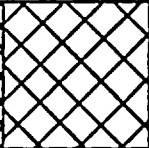

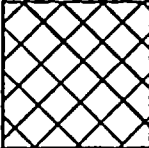
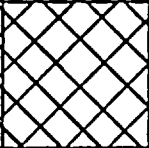

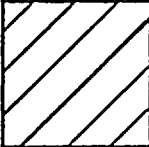

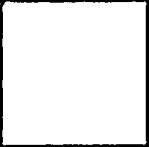




LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |  |   |
|---------------------|--------|---|--|---|
|                     |        | High  | Medium   | Low   |
| Potential For Error | High   |    |   |   |
|                     | Medium |    |   |   |
|                     | Low    |   |  |  |
|                     |        |  | Category I -- High priority; corrective action should be taken.                    |   |
|                     |        |  | Category II -- Medium priority; corrective action is highly recommended.           |   |
|                     |        |  | Category III -- Low priority; corrective action is recommended.                    |   |
|                     |        |  | Category IV -- No corrective action necessary, but should be considered.           |   |

ASSESSMENT CATEGORY II

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

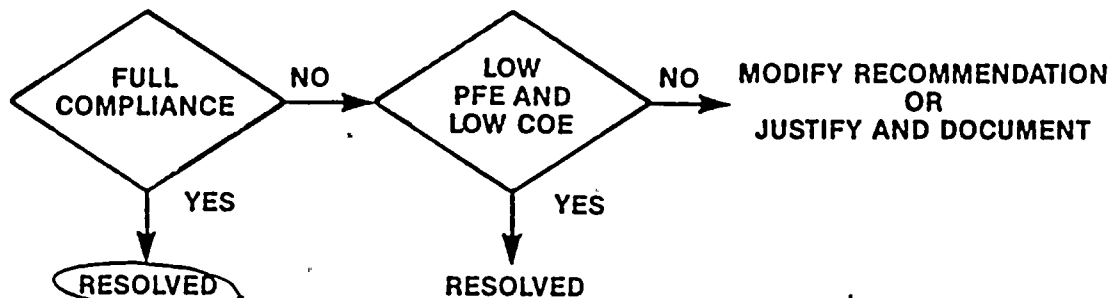
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION An annunciator study and upgrade program has been initiated. Windows are being evaluated for color coding to indicate priority. Other changes being considered include: re-engraving messages, rearrangement of alarm drops, elimination of nuisance alarms (over 200 fixed thus far) and review of ARPs.

## SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

AEPSC PROGRAM LEAD ENGINEER \_\_\_\_\_

DATE 11/18/85DATE 11/19/86



CLO/HED# 4.1-1

6.4.1.2 c (D)  
6.4.1.2 a

# ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

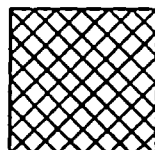
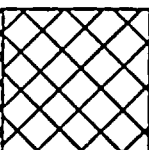
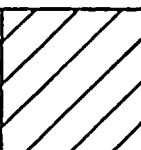
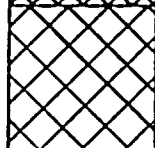
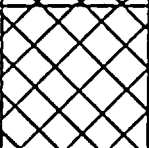
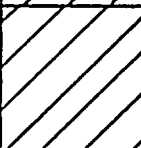
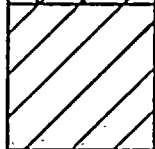
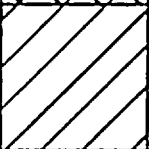

Low

Potential For Error

High

Medium

Low

|        |   |   |  |
|--------|---|---|--|
|        | High  | Medium  | Low  |
| High   |  |  |  |
| Medium |  |  |  |
| Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED☒ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

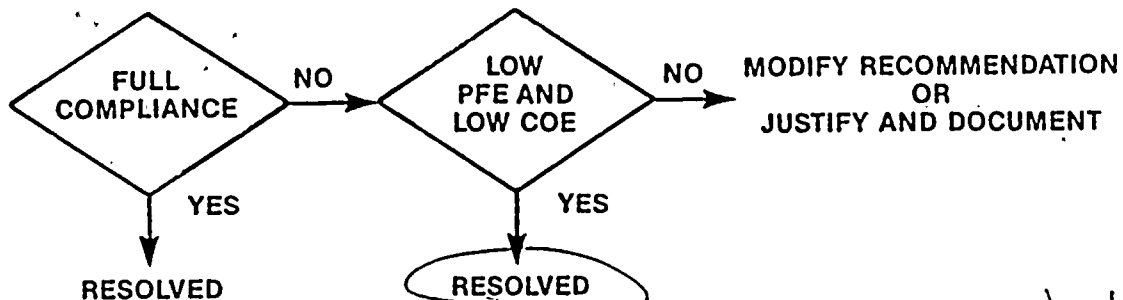
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION Cold overpressure controls (NRV 152 & 153) have had handles removed to prevent accidental activation. Unit A Main Turbine Valve reset switch has had handle shape & color coded. Other switches will be enhanced by shape coding of handles, demarcation, and labels with red backgrounds where applicable.

## SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

AEPSC PROGRAM LEAD ENGINEER \_\_\_\_\_

DATE 10/1/86DATE 1/1/86





CLO/HED# 4.1 - 2

Correction #: 6.4.1.2.g.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

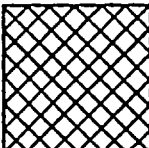
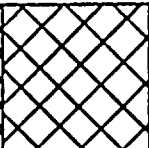
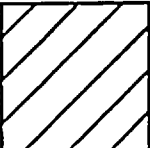
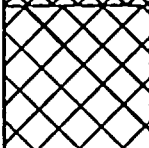
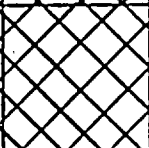
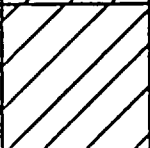
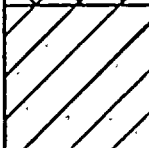
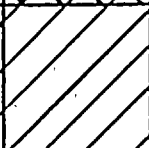

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 4.1-2

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

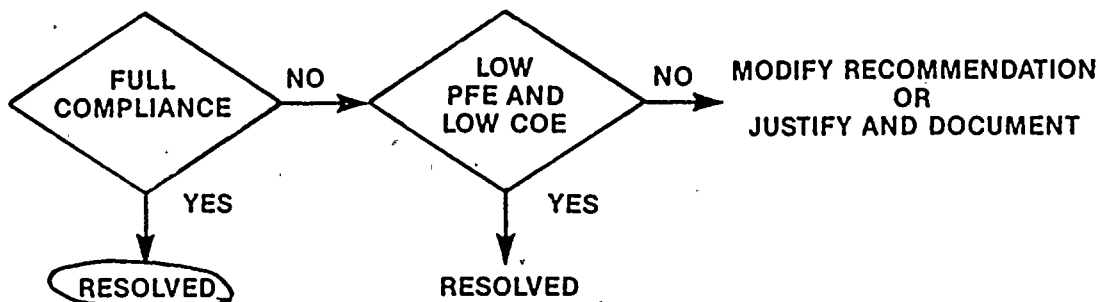
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION The actual problem is that operators have pushed the alarm buttons rather than the test buttons. The problem will be solved by guarding the alarm pushbuttons with an extended guard. 9/30/86 J.V.

## SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

AEPSC PROGRAM LEAD ENGINEER RFSDATE 11/26/85DATE 11/1986



CLO/HED# 4.1-3

Correction = 6.4.1.2.4.

# ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

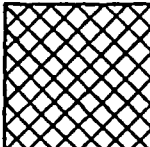
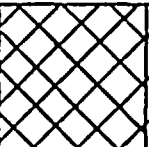

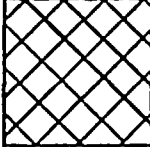
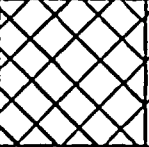




LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II



CLO/HED# 4.1-3

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

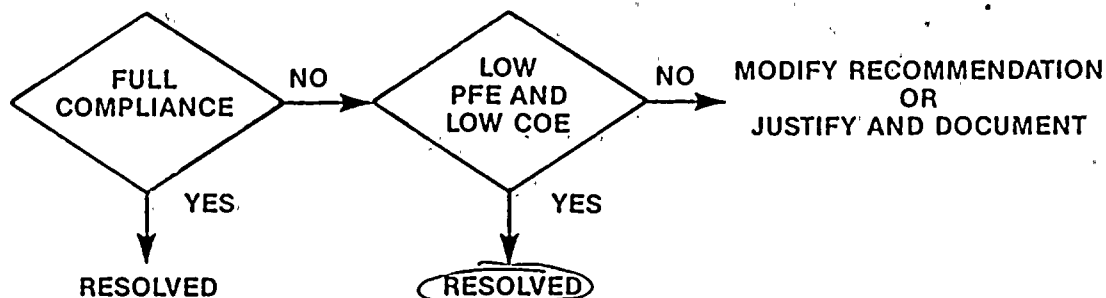
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Controls have been reviewed for interlock necessity and it was found that mechanical interlocks (as recommended in the guideline) are not necessary, since the electrical interlocks on these switches are adequate.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 10/1/86

DATE 11/1986

CLO/HED# 4.1-4

6.4.1.1.b.(1)

# ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

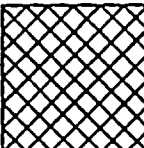
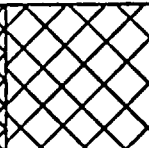

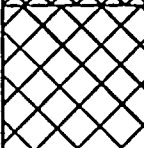
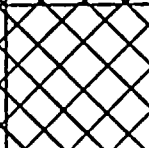
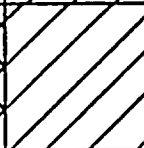
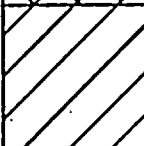
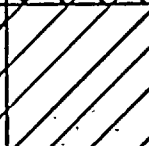

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III





## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

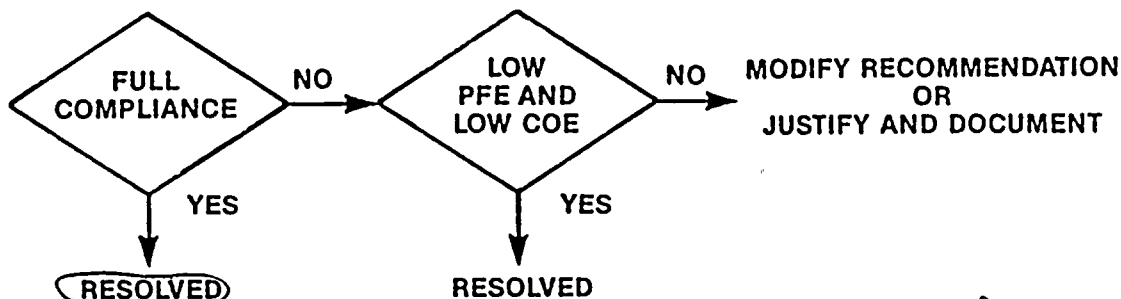
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Controls were reviewed and the following are not necessary: part length rod controls, Generator load frequency controls, feed pump warming line control, MFW pumps hydraulic coupling controls, loose parts monitor, and FW chemical controls. These already have been removed or will be considered for removal.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 10/1/86DATE 11/1986



CLO/HED# 4.1-5

CONNECTION # 16.4.1.1.0.2(2)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

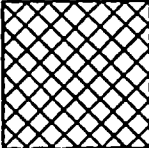
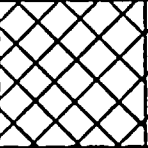

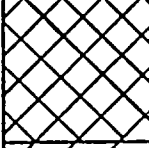
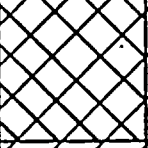




LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 4.1-5

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

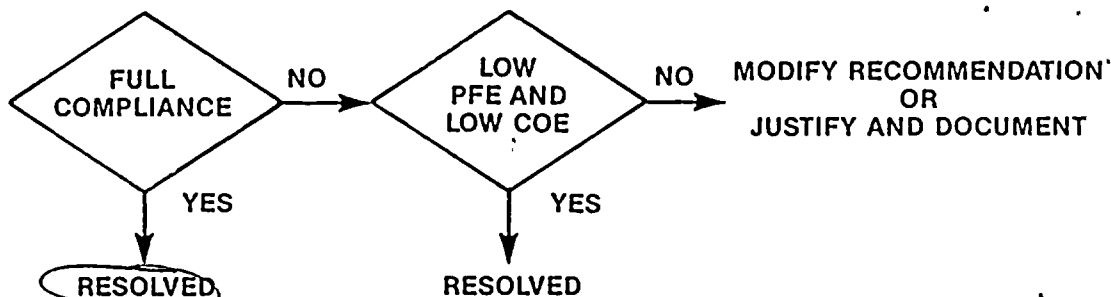
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

The actual problem is that the labeling (i.e. Block/Reset) is confusing since an actual reset does not occur. The return labeling will be changed to Unblock/Block. Also the throw action of the switches will be tightened and Cold Overpress switch position labels will be corrected.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

10/1/86

11/1986

CLO/HED# 4.1-6

Correction #: 64.1.1.2.(3)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

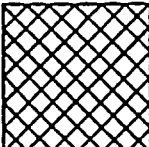
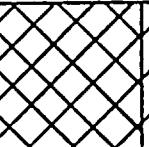
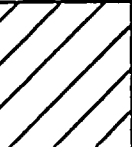
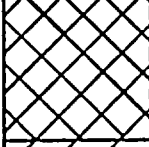
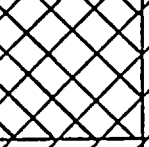

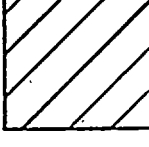
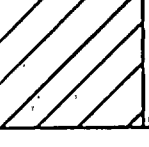





LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |  |   |
|---------------------|--------|---|--|---|
|                     |        | High  | Medium   | Low   |
| Potential For Error | High   |    |   |   |
|                     | Medium |    |   |   |
|                     | Low    |   |  |  |
|                     |        |  | Category I -- High priority; corrective action should be taken.                    |   |
|                     |        |  | Category II -- Medium priority; corrective action is highly recommended.           |   |
|                     |        |  | Category III -- Low priority; corrective action is recommended.                    |   |
|                     |        |  | Category IV -- No corrective action necessary, but should be considered.           |   |

ASSESSMENT CATEGORY

III





## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

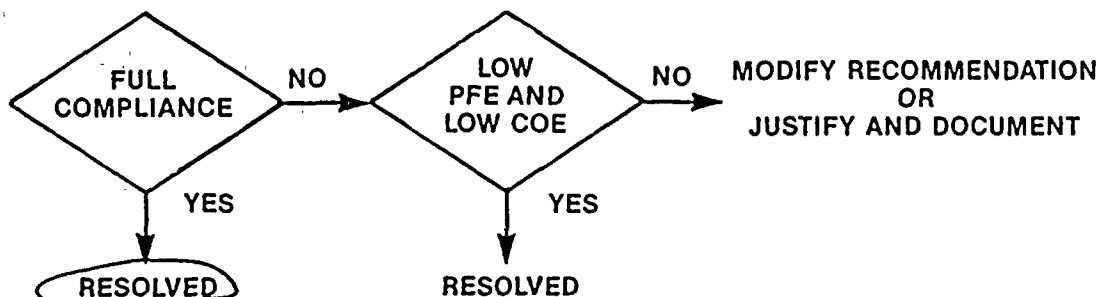
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Turbine adj. pot. + tube oil temp are process controllers which have indicator scales to provide feedback. The controllers will be looked at for maintenance problems. As per HED# 4.1-6, the SG + PRZ SI Block switches <sup>are being</sup> will be adjusted so that throw action is tighter.  
 NY 9/30/86

## SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

DATE 11/27/85AEPSC PROGRAM LEAD ENGINEER RFSDATE 11/1986

CLO/HED# 4.1-7

6.4.1.1e (3)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

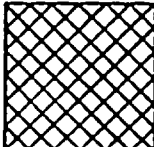
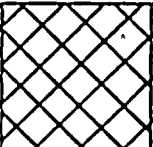
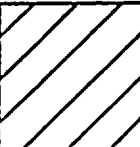
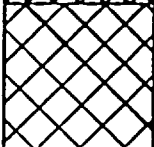
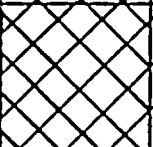

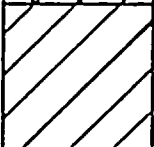
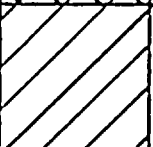

Low

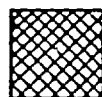
Potential For Error

High

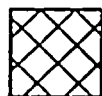
Medium

Low

|        |   |   |  |
|--------|---|---|--|
|        | High  | Medium  | Low  |
| High   |  |  |  |
| Medium |  |  |  |
| Low    |  |  |  |



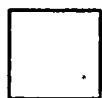
Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 4.1-7

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

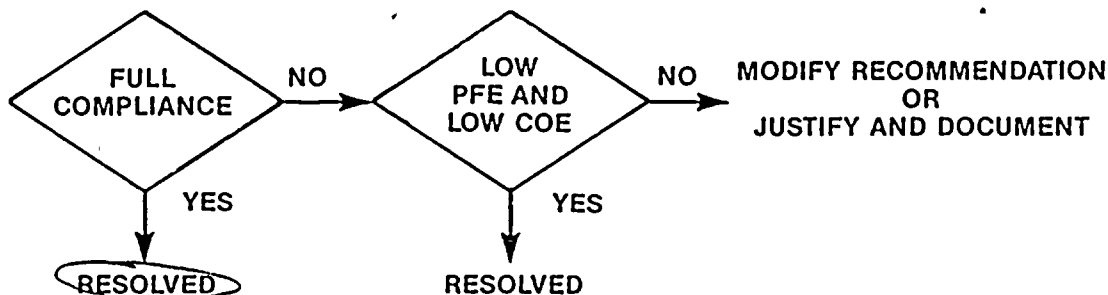
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Switches are being checked for maintenance problems, and for Pull-TO-LOCK switcher torques are being adjusted and handles replaced if needed. Torque adjustment and lubrication of knurled knob switches are being done as needed.

SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

AEPSC PROGRAM LEAD ENGINEER \_\_\_\_\_

DATE 10/1/86DATE 11/9/86



CLO/HED# 4.1-8

Continuation # 6.4.1.1. a.

# ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

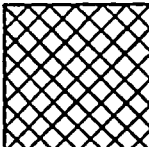
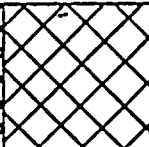
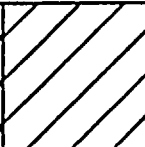
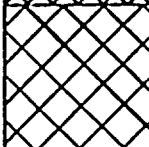
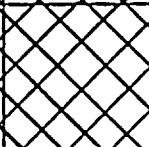
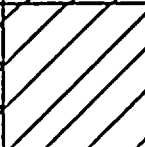
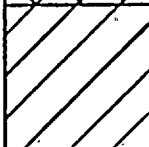
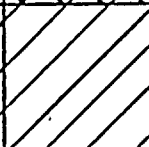

Low

Potential For Error

High

Medium

Low

|        |  |  |   |
|--------|--|--|---|
| High   |   |   |   |
| Medium |   |   |   |
| Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED☒ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

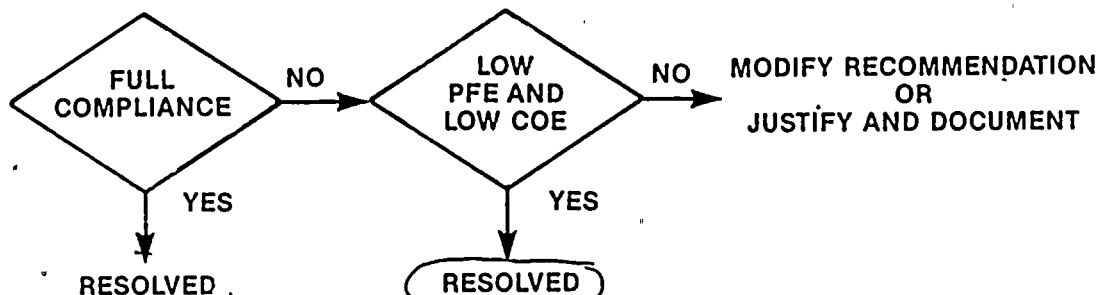
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION The Assessment Team discussed each control type listed and resolved each as follows: (1) Aux feedwater reg. valve controls will be changed so that pull-to-lock is reserved only for overriding auto signal when necessary (go to attached page)

## SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]DATE 11/27/85AEPSC PROGRAM LEAD ENGINEER RFSDATE 1/1/86



Explanation or justification (continued)

- \* (2) Several controllers were listed; if broken a work requisition will be issued, otherwise the problem is not with the controllers, the process itself is difficult i.e. equipment out in plant is difficult in response.
  - (3) The turbine adj. pots will be investigated for repair per HED # 4.1-6.
  - (4) The pistol grip turbine controls on Unit 2 are more difficult to use than those on Unit 1, but replacement would necessitate replacing entire system which is not feasible. Controls are usable as is and do provide a sufficient range of control.
  - (5) RHR Flow controls are difficult to use due to a problem with the RHR valves themselves. The RHR valves may be replaced.
  - (6) CCW Heat Exchanger Valve controls were not deemed difficult to operate after input from operation's specialists and discussion by Assessment Team.
  - (7) The Bailey FW Heater controls and the Auto turbine roll control will be fixed or adjusted by plant personnel, as necessary.
- \* Included in (2) above are NIS 10 TURN POTS, HOTWELL LEVEL MAKEUP + LETDOWN, CONDENSATE MAKEUP + LETDOWN, TRAIN CONTROLS, SG LEVEL, CHARGING FLOW. *[Signature]*



CLO/HED# 4.1-9

6.4.2.1

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

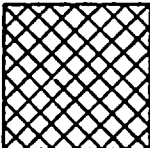
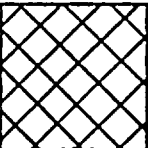
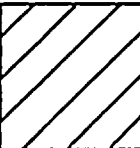
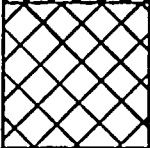
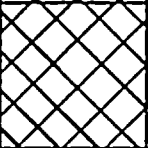
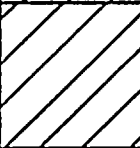
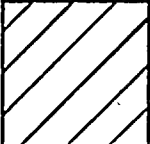
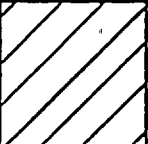

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 4.1-9

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED☒ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

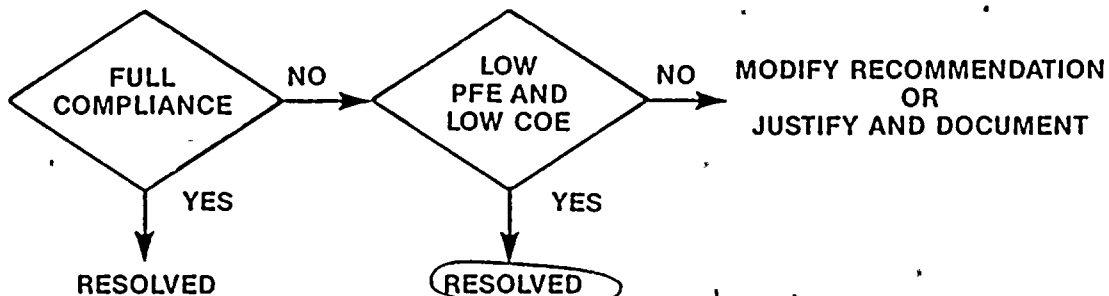
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION Some controllers are pneumatic and some are electronic, but it is not feasible to modify either to work in the reverse direction. However, shape coded handles are being installed as are arrows for direction to open.

## SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]DATE 10/1/86AEPSC PROGRAM LEAD ENGINEER RASDATE 11/9/86

CLO/HED# 4.1-10

Revision #: 6.4.2.2.b.

# ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

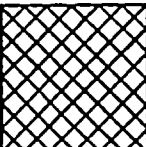
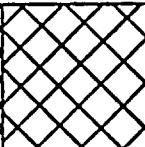
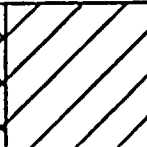
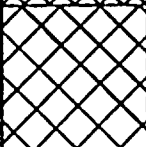
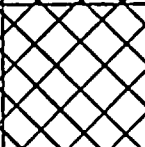
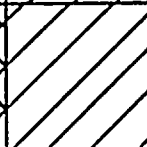
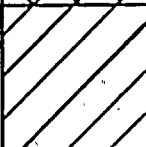


LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II



CLO/HED# 4.1-10

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

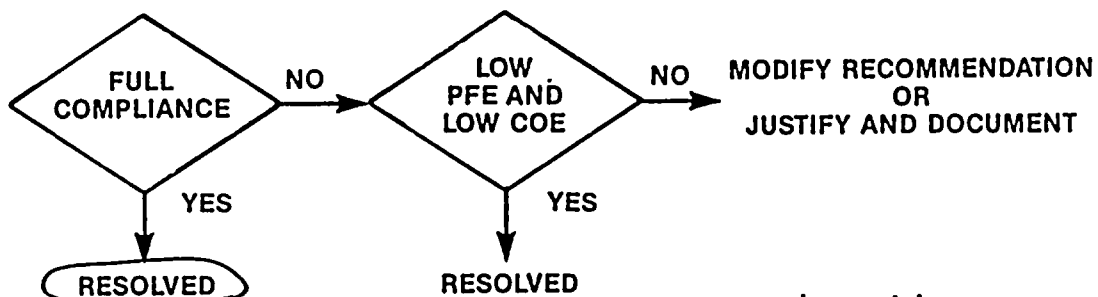
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

- ☒ APPROVED    ☐ PARTIALLY APPROVED    ☐ NO ACTION    ☐ OTHER

## EVALUATION

|                                 |      |            |     |
|---------------------------------|------|------------|-----|
| FULL COMPLIANCE WITH GUIDELINES | NO   | <u>YES</u> |     |
| POTENTIAL FOR ERROR (PFE)       | HIGH | MEDIUM     | LOW |
| CONSEQUENCE OF ERROR (COE)      | HIGH | MEDIUM     | LOW |



EXPLANATION OR JUSTIFICATION MSR components will be rearranged so they are all in East/West order and will be relabelled accordingly. CCW valve controls are already in the best location, since the Outlet Cross tie controls require precise adjustment and would be too low for precise adjustment it moved down.

## SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/2/86

AEPSC PROGRAM LEAD ENGINEER RAFS DATE 11/1986





CLO/HED# 4.1-11

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☒ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

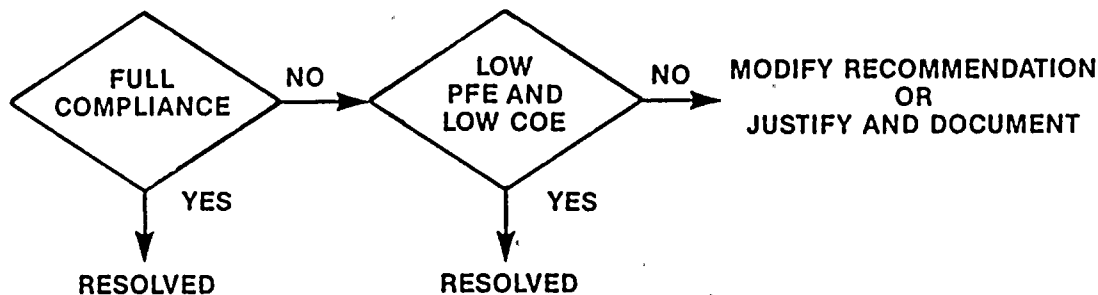
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION This is not an HED. CLO is not correct, there is a three position spring return-to-center switch used for the load changer on the turbine control.

## SIGNOFF

H.F. CONSULTANT (ESSEX) T. J. [Signature]DATE 11/27/85AEPSC PROGRAM LEAD ENGINEER RFSDATE 11/1986

CLOTHED# 4.1-12

Correction # 6.4.4.3.4  
6.5.4.1.8.

# ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

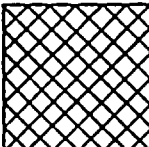
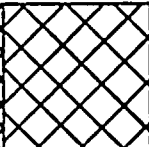
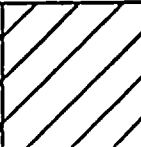
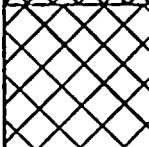
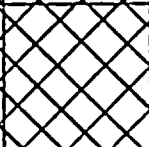

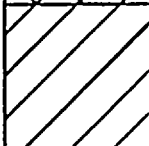
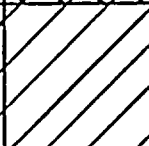

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# 4.1-12

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

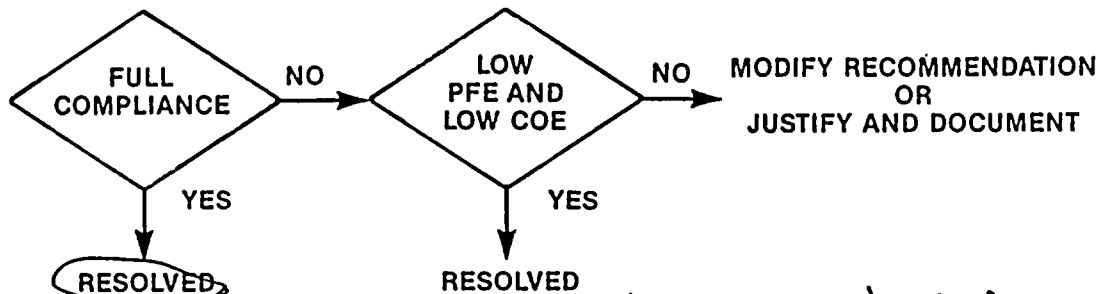
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED    ☐ PARTIALLY APPROVED    ☐ NO ACTION    ☐ OTHER

### EVALUATION

|                                 |      |            |     |
|---------------------------------|------|------------|-----|
| FULL COMPLIANCE WITH GUIDELINES | NO   | <u>YES</u> |     |
| POTENTIAL FOR ERROR (PFE)       | HIGH | MEDIUM     | LOW |
| CONSEQUENCE OF ERROR (COE)      | HIGH | MEDIUM     | LOW |



EXPLANATION OR JUSTIFICATION Locks are unlocked and have been disabled by discarding the keys.

#### SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/27/85

AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86



CLO/HED# 4.1-13

6.4.1.12 (1)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

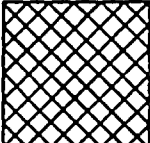


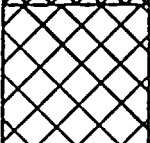
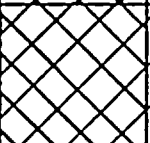

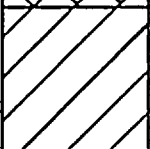
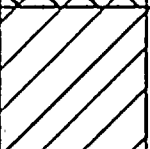

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |   |  |
|---------------------|--------|---|---|--|
|                     |        | High  | Medium  | Low  |
| Potential For Error | High   |  |  |  |
|                     | Medium |  |  |  |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III





CLO/HED# 4.1-13

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

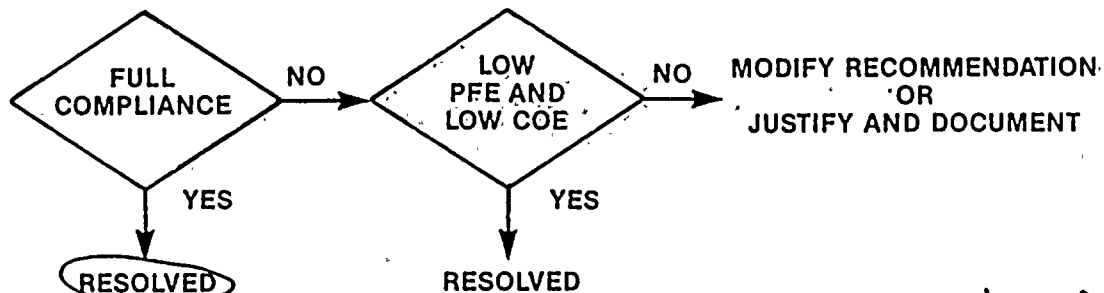
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Scales will be replaced  
and maintained intact.

## SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

AEPSC PROGRAM LEAD ENGINEER RFSDATE 11/27/85DATE 11/1986

CLO/HED# 4.1-14

6.4.1.2.c(2)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

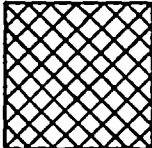
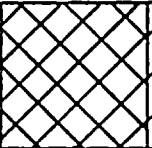

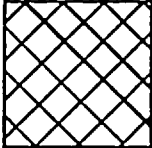
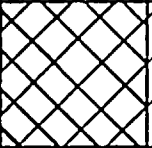

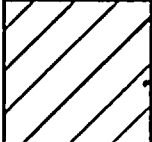
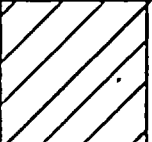

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 4.1-14

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☐ APPROVED

☐ PARTIALLY APPROVED

☒ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

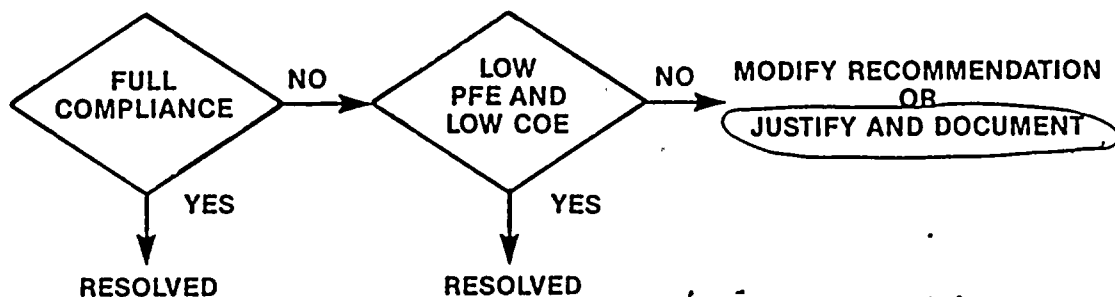
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Plastic ties were added to provide administrative control to prevent accidental activation. Pushing buttons is not time critical and since guarded buttons have been activated in past, AEPSC feels it is necessary to maintain plastic ties to prevent future incidents.

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 10/1/86

DATE 11/24/86



CLO/HED# 4.1-15

6.4.3.3 d.(1)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

## Consequence Of Error

High

Medium

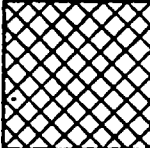
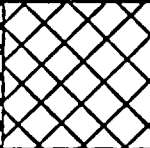
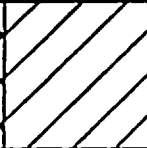
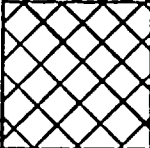
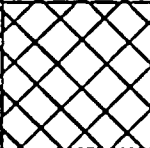
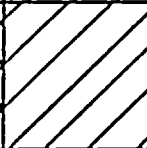
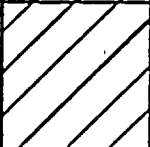


Low

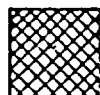
Potential For Error

High

Medium

Low

|        |   |   |  |
|--------|---|---|--|
|        | High  | Medium  | Low  |
| High   |  |  |  |
| Medium |  |  |  |
| Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY IV



CLO/HED# 4.1-15

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☐ APPROVED

☐ PARTIALLY APPROVED

☒ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

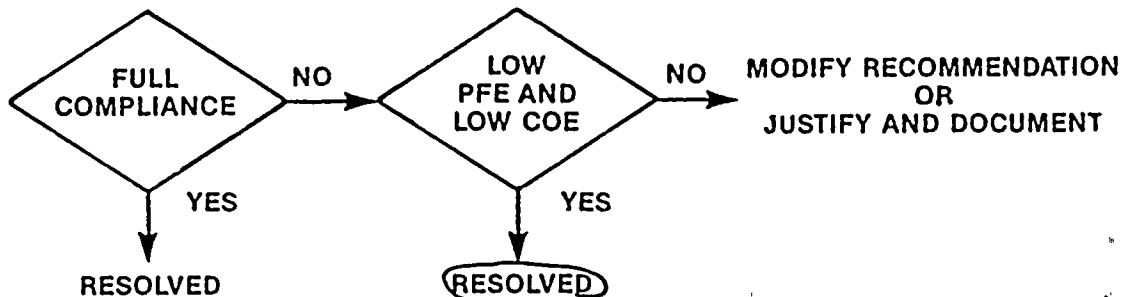
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION The bank selected/bank sequence buttons do have barriers. Operators report no problem with the push buttons on the FCC panel. Therefore, no change is needed.

#### SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

AEPSC PROGRAM LEAD ENGINEER RFS

DATE 11/27/85

DATE 1/19/86





CLO/HED# 4.1-16

6.4.2.1

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

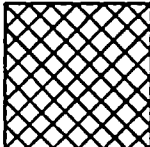
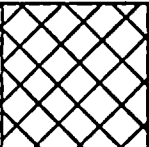
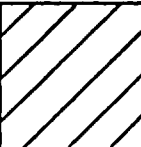
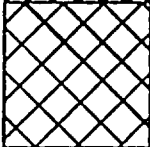
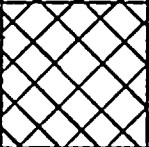
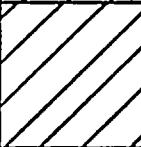
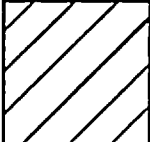


LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 4.1-16

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☐ APPROVED

☒ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

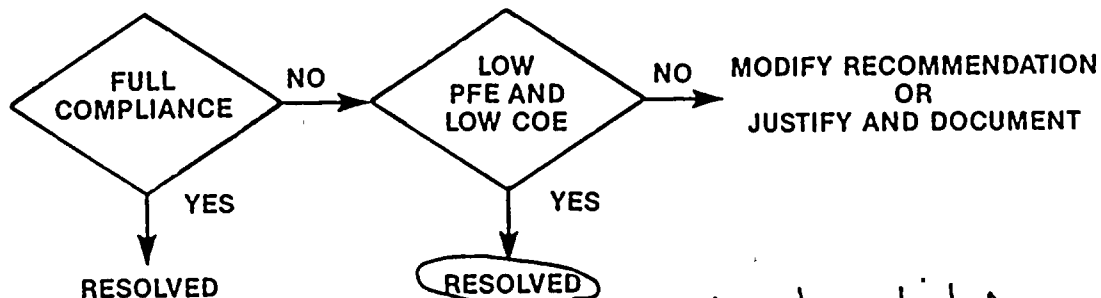
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Each of the items listed was discussed and the significant ones will be modified to conform to population stereotypes. The 8 d-handle rotaries on the VS panel will be considered for correction. HP-520-IL is easy understood (go to next page)

#### SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]

DATE 1/2/86

AEPSC PROGRAM LEAD ENGINEER RFS

DATE 1/19/86



## EXPLANATION OR JUSTIFICATION (CONTINUED)

and will not be modified; FRV-267 + FRV-266 are being evaluated for removal from the panels; FRV-252 + FRV-254 are being evaluated for modification to "CLOSED-AUTO-OPEN"; labeling on ORV-302 will be modified to "VCT-DEMIN"; the remaining items are of low criticality, not used by operators, are easily recovered from, or are regulated automatically so that modifications are not warranted.

TV

CLO/HED# 4.1-17

6.4.4.1a

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

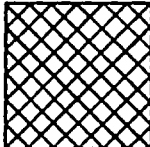
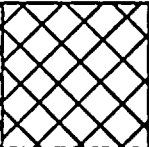
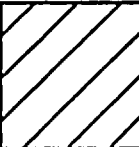
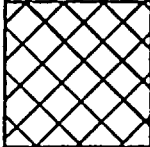

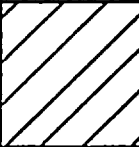



LOW

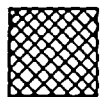
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III





CLO/HED# 4.1-17

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☐ APPROVED

☒ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

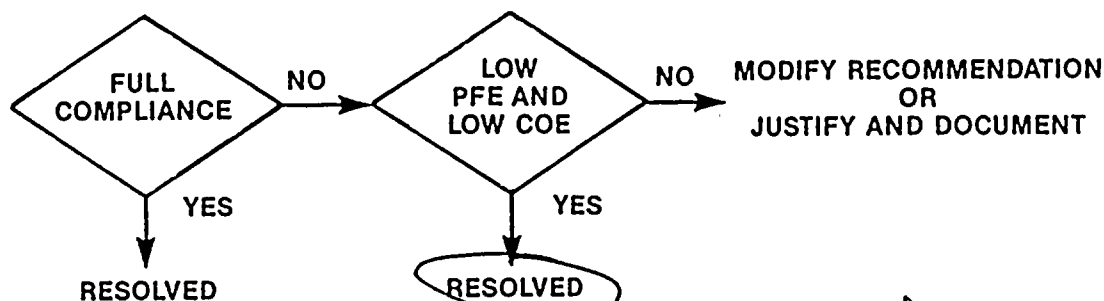
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION 8 controls on VS panel are to be considered for correction per 4.1-16. The remaining controls do not require any modification since they are easily understood, non critical in nature, not backwards from operations viewpoint, not used by operators, or are being replaced.

#### SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

AEPSC PROGRAM LEAD ENGINEER RFS

DATE 11/2/86

DATE 11/1986



CLOTHED# 4.1-18

6.4.4.5c

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

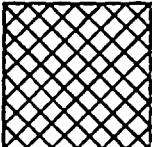
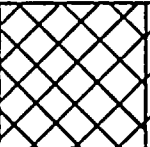

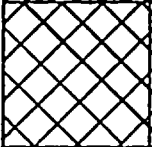
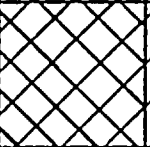




LOW

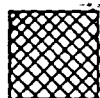
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



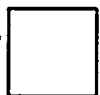
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# 4.1-18

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

- ☐ APPROVED    ☒ PARTIALLY APPROVED    ☐ NO ACTION    ☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

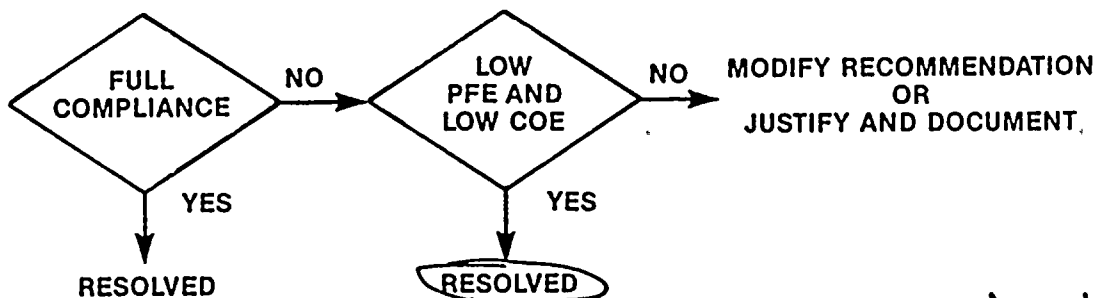
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Foxboro H/A and Manual Stations do have fixed pointers with moving scales, however the knobs can be easily and accurately set with minimum operator hesitation or mistakes. Markings are such that status can be read from a distance. Stations are to be enhanced by adding arrows for direction of knob rotation increase.

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 4/30/85

AEPSC PROGRAM LEAD ENGINEER

RFS

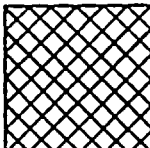
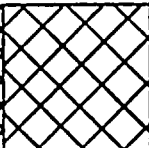
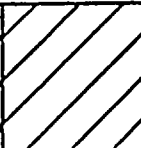
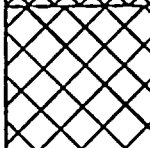
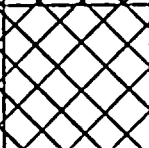

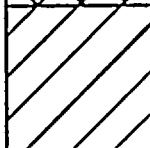
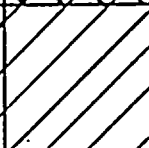

DATE 1/1/86

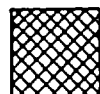
CLOTHED# 4.1-19

Collection #: 6.4.2.2.8.3

## ASSESSMENT RECORD

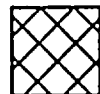
POTENTIAL FOR ERROR (PFE)      HIGH      MEDIUM      LOW  
CONSEQUENCE OF ERROR (COE)      HIGH      MEDIUM      LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



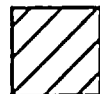
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 4.1-19

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

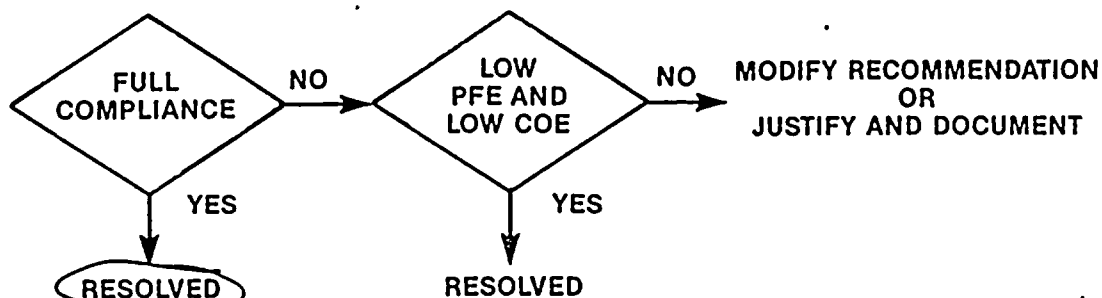
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Color coding of pushbuttons will be checked for adequate contrast especially blue and green lights will be changed to white. Yellow lights are discriminably different and require no change. Also see 5.1-24.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

1/2/86

DATE

1/1/86





CLO/HED# 4.1-20

Collection #: 6.4.1.1.e.1.

# ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

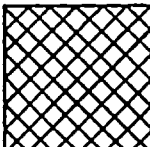
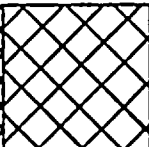

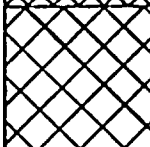
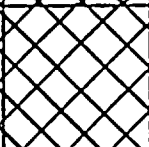

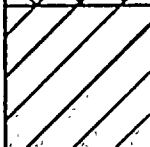
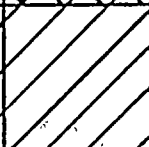

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 4.1-20

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

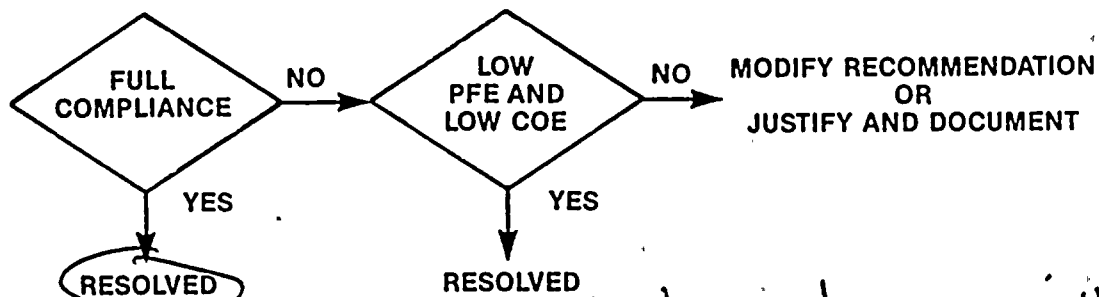
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Plant maintenance will  
replace buried screws and instruct personnel  
as suggested.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 1/2/86DATE 1/19/86



CLO/HED# 4.1-21

Criterion #: 6.4.1.1.2.1

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

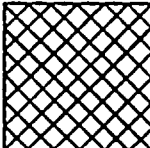
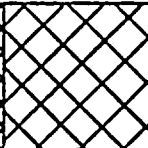
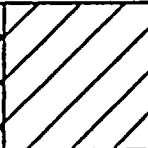
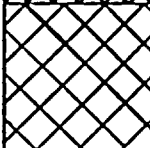
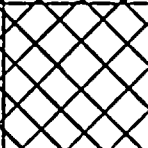
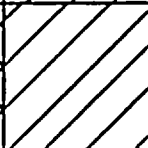
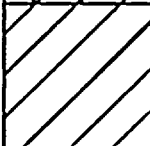
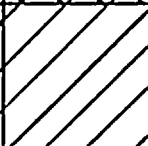
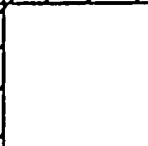
LOW

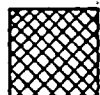
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



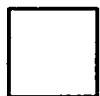
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 4.1-21.

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

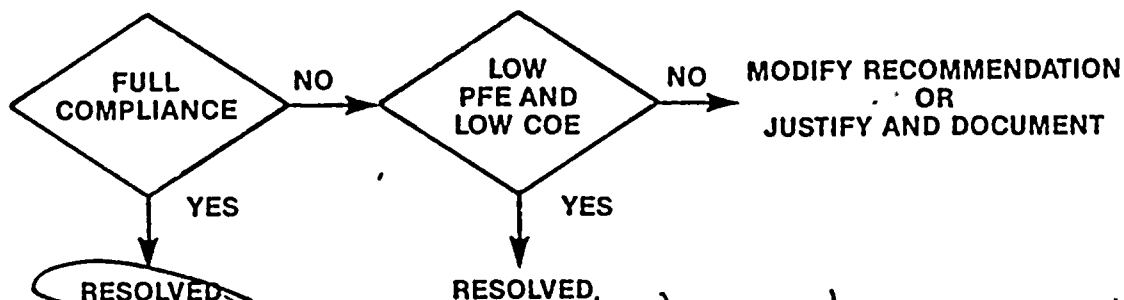
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Plant maintenance has repaired or replaced items listed

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 1/2/86

DATE 1/1/86





CLO/HED# 4.1-22

Revision #: 6.4.4.3.8

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

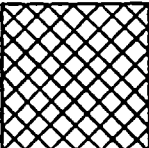
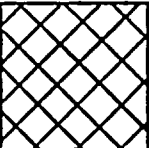
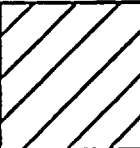
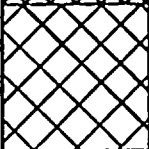
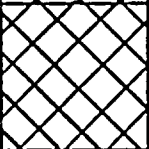
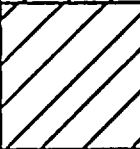
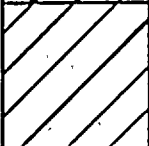
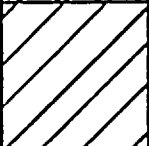

Low

Potential For Error

High

Medium

Low

|        |  |  |   |
|--------|--|--|---|
|        | High   | Medium   | Low   |
| High   |   |   |   |
| Medium |   |   |   |
| Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 4.1-22

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

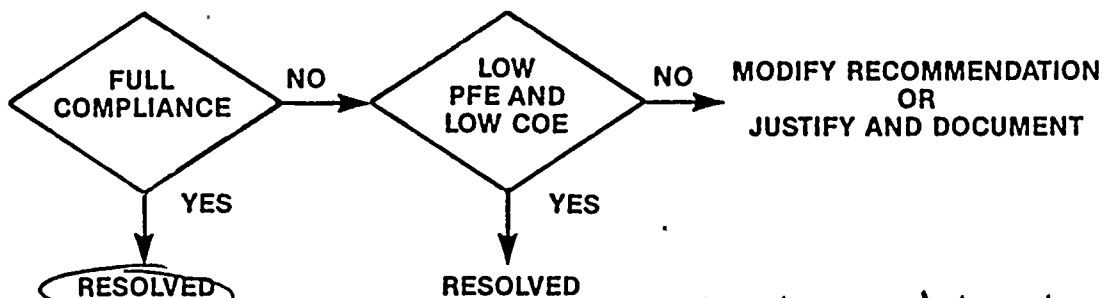
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

A new keyboard has been installed on RMS alarm printer

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

11/2/8611/19/86

CLO/HED# 4.1-23

6.4.5.1b

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

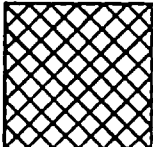
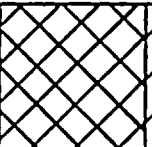

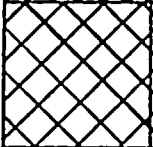
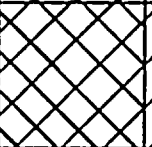

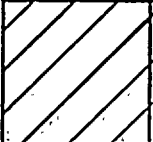
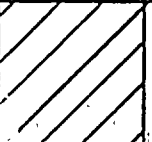

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

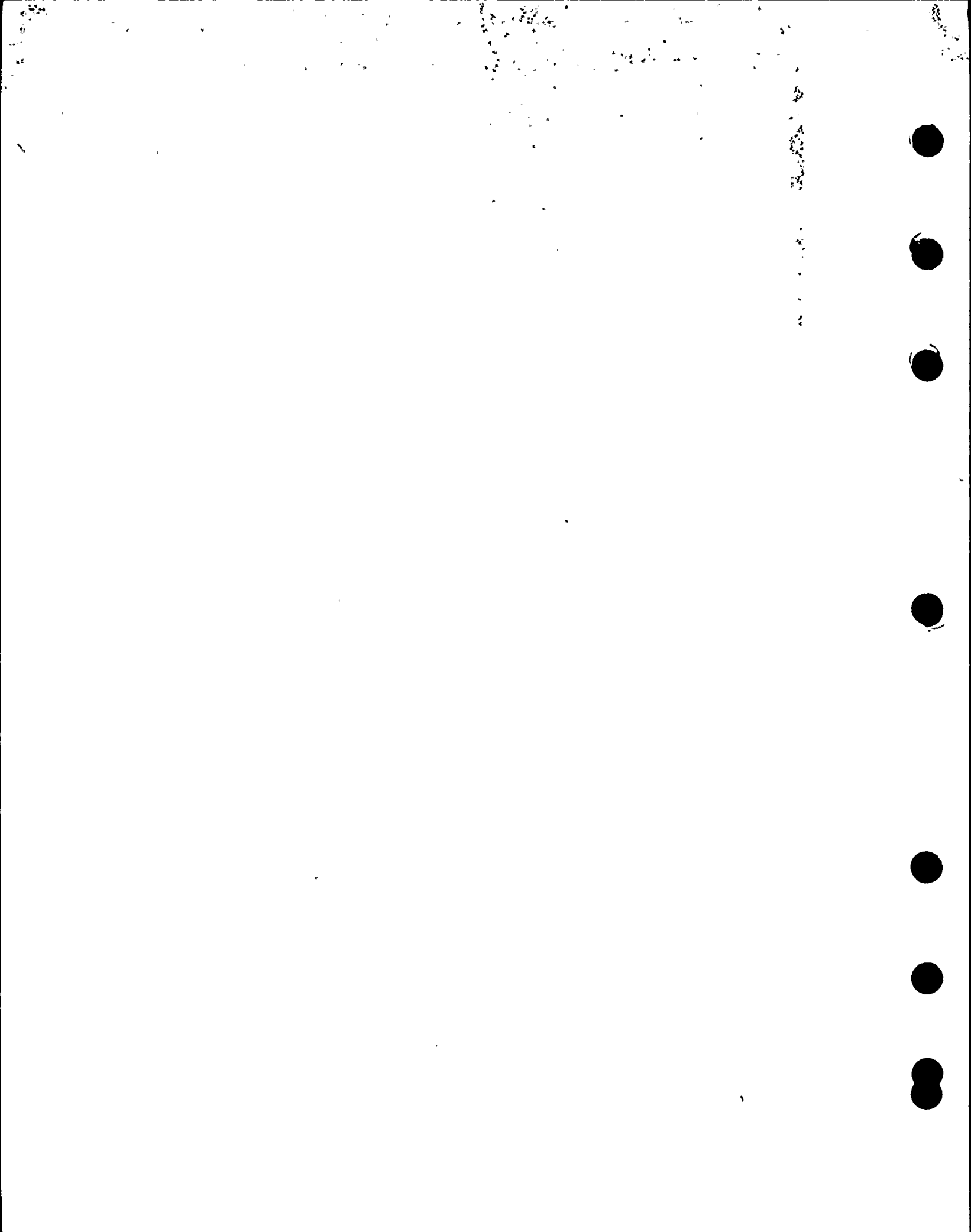


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

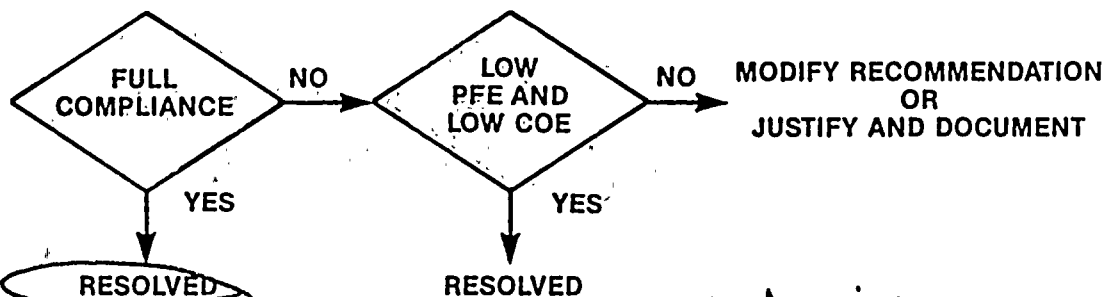
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Thumbwheels will have  
directions labeled, ie "INCREASE-DECREASE" or  
"RAISE-LOWER."

## SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE

1/2/86

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE

1/1/986





CLO/HED# 4.1-24

Criteria # 6.4.4.5.c

6.4.5.1.d.(2)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

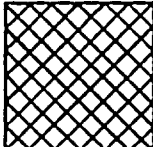
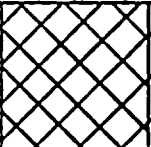

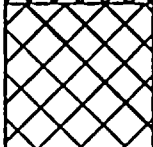
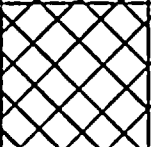
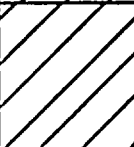

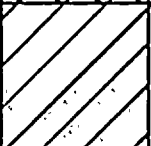

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# 4.1-24.

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

- ☐ APPROVED ☒ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

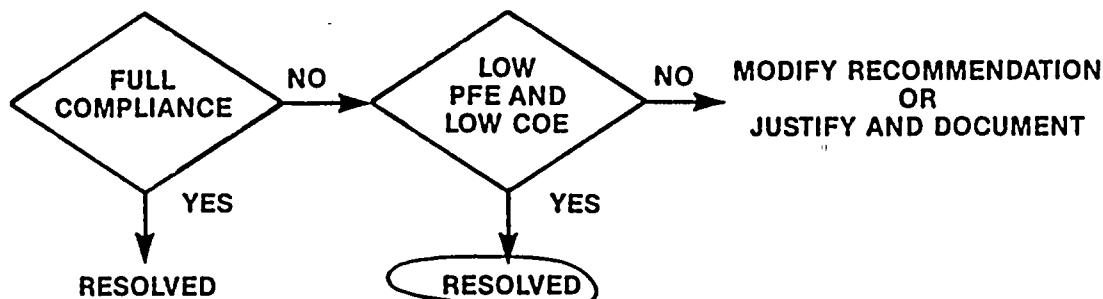
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION All controls will be relabelled so they can be tested for timely activation. Other CIOs identify controls which operators find difficult to turn or adjust as necessary. Refer to 4.1-5, 4.1-7, + 4.1-8 for actions to be taken.

#### SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/2/86

AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/19/86

CLO/HED# 5.1-1

6.5.3.1c (1)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

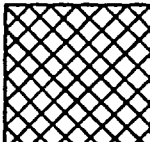
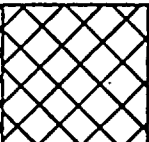
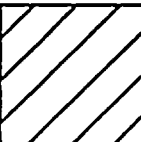
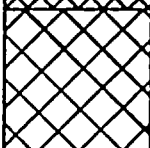
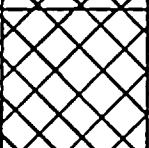
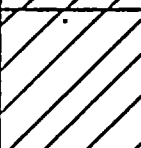
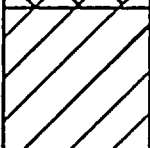
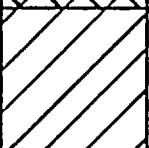

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 5.1-1

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

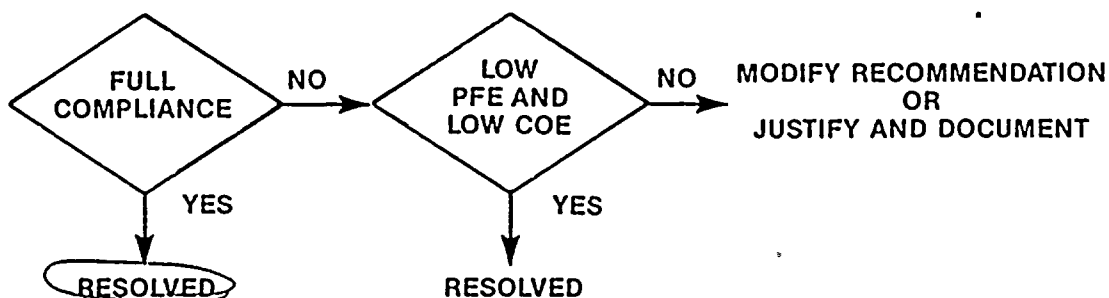
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

All status lights were reviewed and all legends are true when lit, except for annunciator voltage failure lights. These will be relabeled "VOLTAGE AVAILABLE."

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 10/1/86

DATE 11/1986

CLO/HED# 5.1.2

Revision: 6.5.1.2.8 (1)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

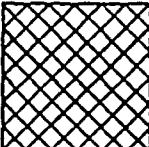
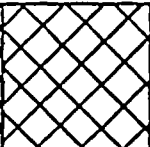
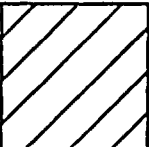
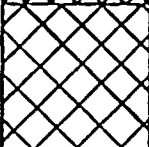
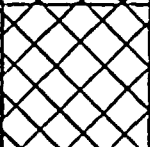
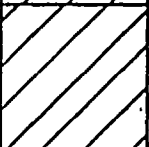
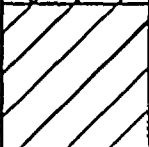
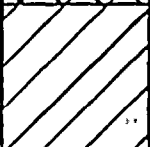
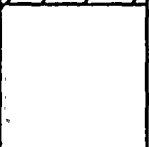




LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |  |   |
|---------------------|--------|---|--|---|
|                     |        | High  | Medium   | Low   |
| Potential For Error | High   |    |   |   |
|                     | Medium |    |   |   |
|                     | Low    |   |  |  |
|                     |        |  | Category I -- High priority; corrective action should be taken.                    |   |
|                     |        |  | Category II -- Medium priority; corrective action is highly recommended.           |   |
|                     |        |  | Category III -- Low priority; corrective action is recommended.                    |   |
|                     |        |  | Category IV -- No corrective action necessary, but should be considered.           |   |

ASSESSMENT CATEGORY

III





CLO/HED# 5.1-2.

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

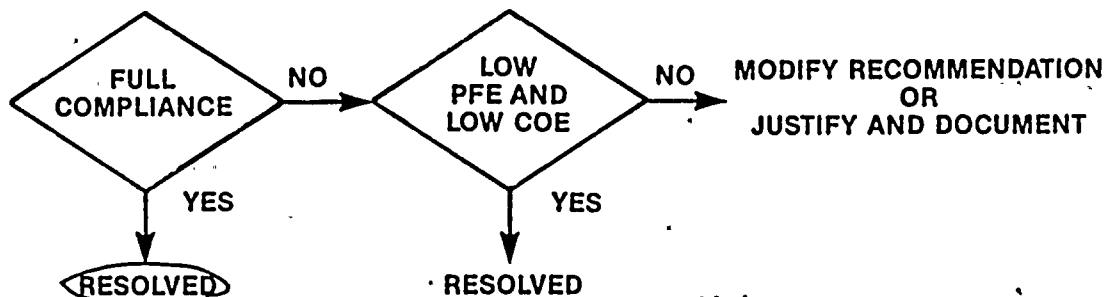
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION All scales listed were reviewed and  
modifications will be done as appropriate. An engineering  
review will determine the correct range for Steam  
Packing Exhaust Pressure, Boric Acid Flow, and  
(go to next page)

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 1/3/86

DATE 1/1/86

## EXPLANATION OR JUSTIFICATION (CONTINUED)

SI Pump Flow (i.e. ECCS Discharge Pumps):  
The BIT is being considered for elimination; if not eliminated then changes to scale will be considered (either square root extractor or decrease in range with 0-135 required).

Modification to Air Ejector - Air Flow - Off Gas Recorder scale has been approved.

Steam and Feed Flow scales are correct as presently scaled, since values can go to 85% of scale.

Aux. Feedwater scale range is needed to 200000 lb/hr. and minimum flow during start up is easily read (on scale).

Turbine Vibration has been measured at 20.5 previously, so present 0-30 scale is needed in case of an abnormal transient (more precise equipment is used for calibration).

CLO/HED#

5.1-3

Citation #: 6.5.1.2.8 (3)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

Low

Potential For Error

High

Medium

Low



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 5.1-3

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

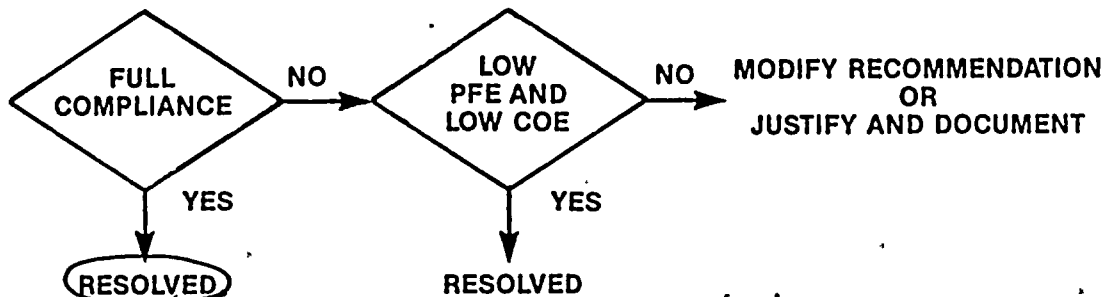
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION All scales listed were reviewed  
and modifications will be undertaken as appropriate.  
An engineering review will determine the correct range  
for Condensate letdown and Makeup Flow Recorders,  
(go to next page)

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 1/3/86DATE 1/1/86



## EXPLANATION OR JUSTIFICATION (CONTINUED)

CCW Reactor Support Cooling Flow, CCW to & from Excess Letdown Heat Exchangers, and RC Pressure High Range Recorder.

The Containment Spray Educator Flow indicator is being considered for removal from CR. If not removed, then modifications to scale will be considered.

SG Steam and Feed Flows are correct, the maximum scale value is  $3.6 \times 10^6$  and scales go to  $4 \times 10^6$ .

Aux Feedwater Flow indicators are presently correct, the maximum value for EOPs is 200,000 lb/hr and scale goes to 250,000 lb/hr.

For RCS Pressure, wide range indicators (0-3000) are nearby on both the Main Control Boards and the Hot Shutdown Panel.

For Main Steam Flow, the problem is with the transmitters which are being replaced. The indicator scales are correct ( $4 \times 10^6$ ).

The scales on the RCP High Range Recorder and Charging Hdr Press are correct (0-3000).

RV press. rating is 2500.

RCS wide Range Temp. Indication is provided, recorders go to  $700^\circ$  and WR thermocouple readings are available in the CR computer systems.

The RHR total flow indicator scale has recently been improved. The maximum flow is 6,000 and meter now goes to 7,000.





CLO/HED# 5.1-4

Location: 6.5.1.1.8.

# ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

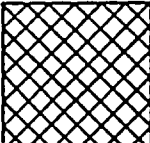
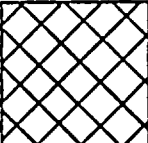
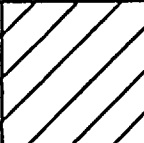
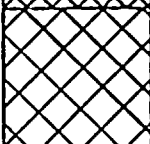
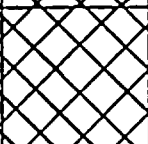
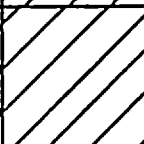
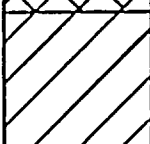


LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II

CLO/HED# 5.1-4

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED☒ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

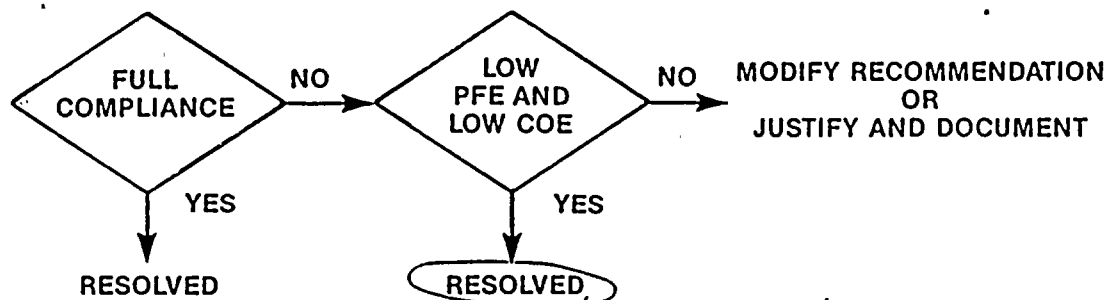
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

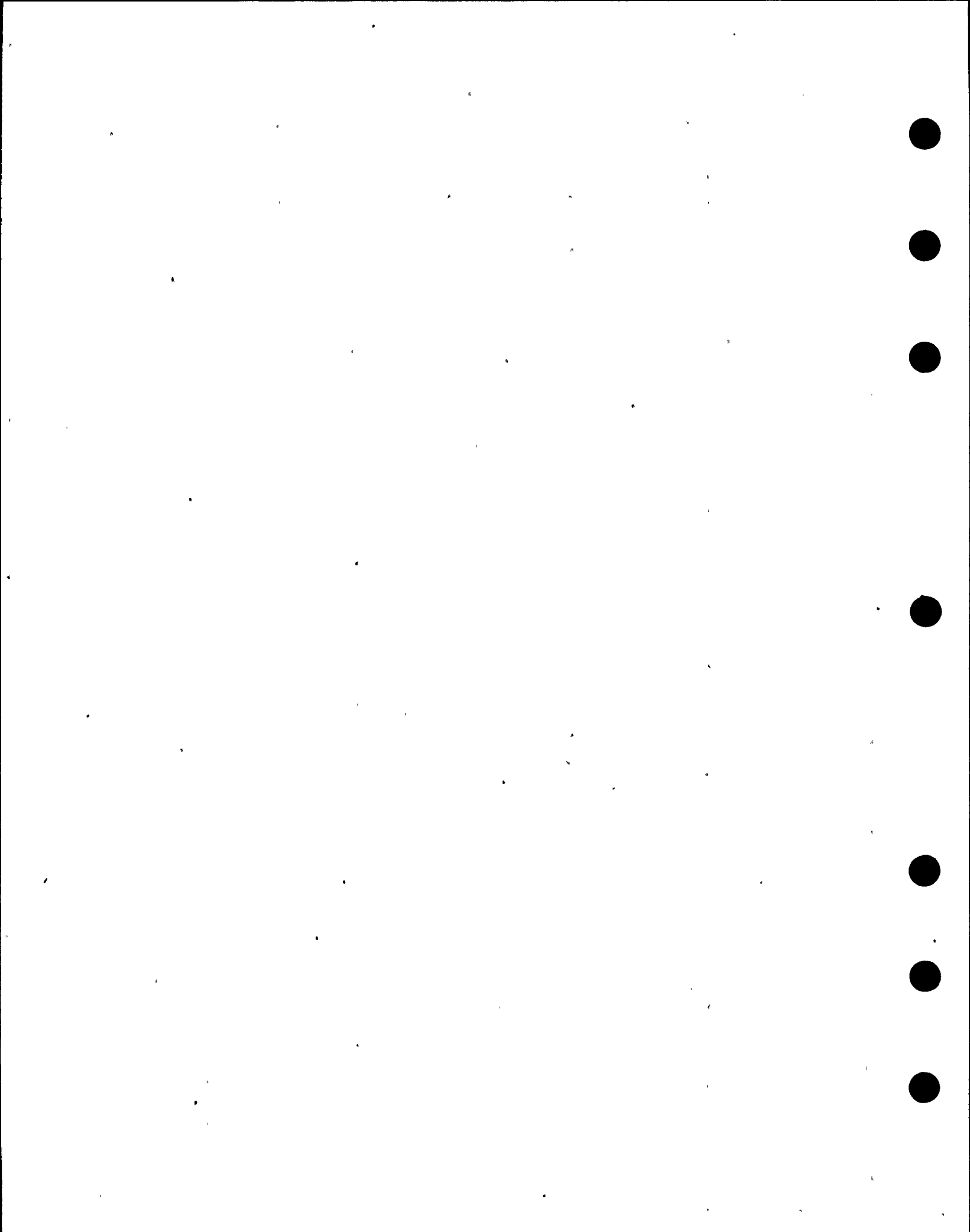
LOW



EXPLANATION OR JUSTIFICATION An engineering review was done and a live zero is being developed for ECCS and Aux FW flow meters. To deal with stuck mechanisms, operators are trained to check redundant or verifying displays against each other.

## SIGNOFF

H.F. CONSULTANT (ESSEX) R. VossDATE 10/1/86AEPSC PROGRAM LEAD ENGINEER RFSDATE 1/1/986



CLO/HED# 5.1-5

Collection #: 6.5.1.5.8.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

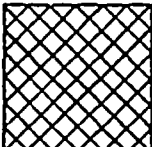
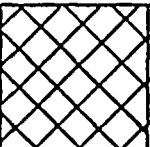
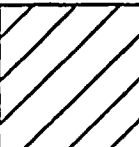
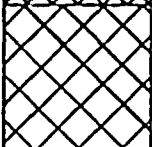
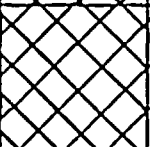

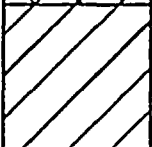
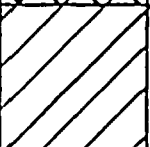

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 5.1-5

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

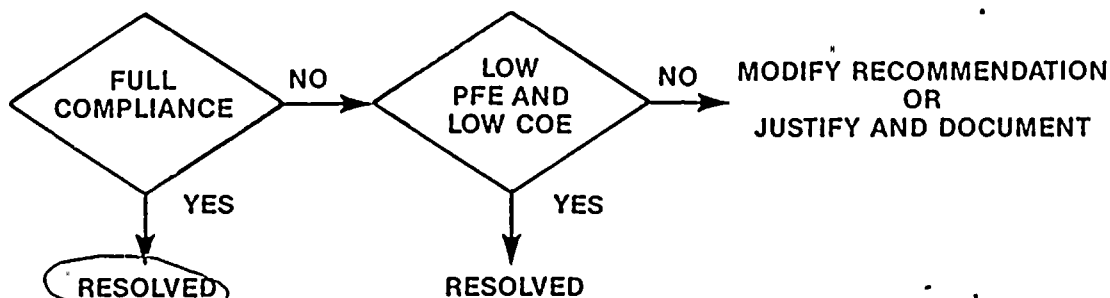
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION There are no single pointer, multiple scale displays listed on this HED. However, all displays listed have been reviewed and scales will be made to agree with chart paper. AEPSC will correct or justify any scale not corrected as appropriate.

#### SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

AEPSC PROGRAM LEAD ENGINEER \_\_\_\_\_

DATE 10/1/86

DATE 11/1986



CLO/HED#5.1-6.

cellion # 6.5.2.3

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

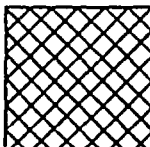
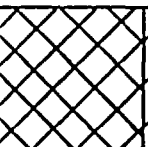

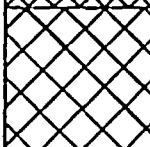
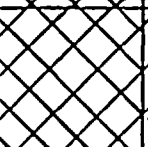

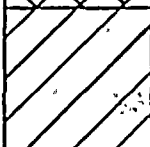


LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II





CLO/HED# 5.1-6

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

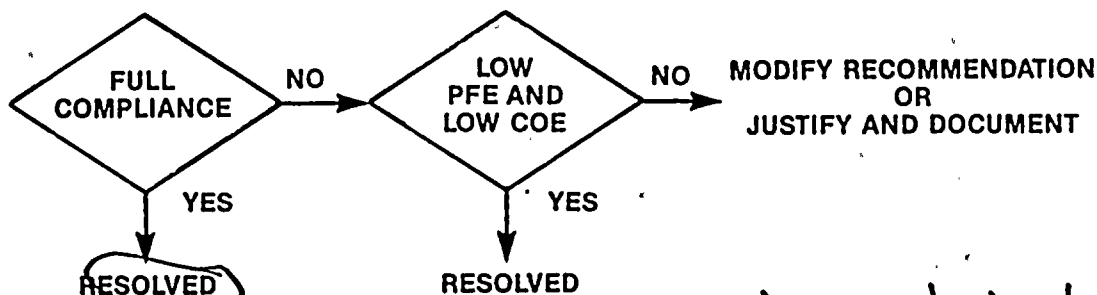
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Zone coding study to be undertaken by AEPSC. Appropriate zone coding will be applied to indicators.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

4/30/85

DATE

1/1/86



CLO/HED#

5.1-7

Revision #:

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

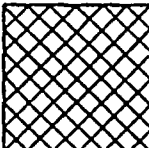
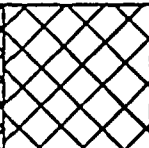
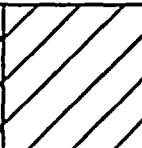
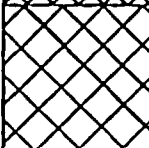
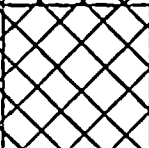

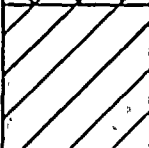
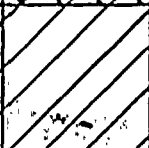
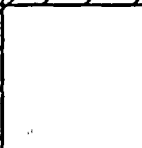
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 5.1-7

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

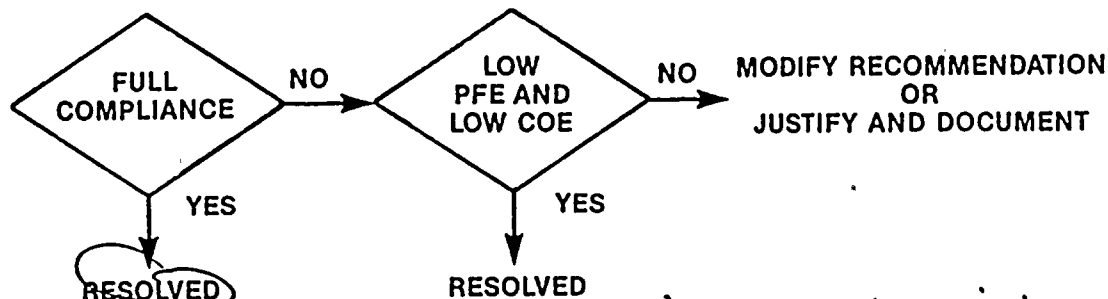
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Indicator scales will be  
changed to white background with black pointers  
and numbering. Narrow band for parameter labels will be  
color coded according to parameter type (level, pressure, etc.)

## SIGNOFF

H.F. CONSULTANT (ESSEX)

FDATE 11/3/86

AEPSC PROGRAM LEAD ENGINEER

RFSDATE 11/9/86



CLO/HED# 5.1-8

Correction #: 6.5.4.1.h.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

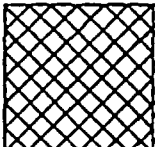
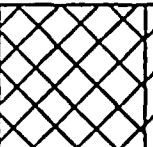

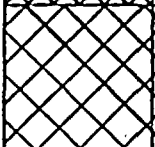
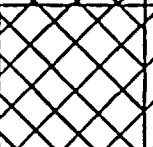

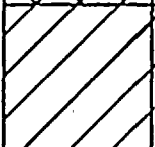
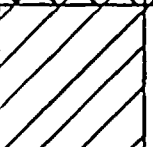

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

- ☐ APPROVED    ☒ PARTIALLY APPROVED    ☐ NO ACTION    ☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

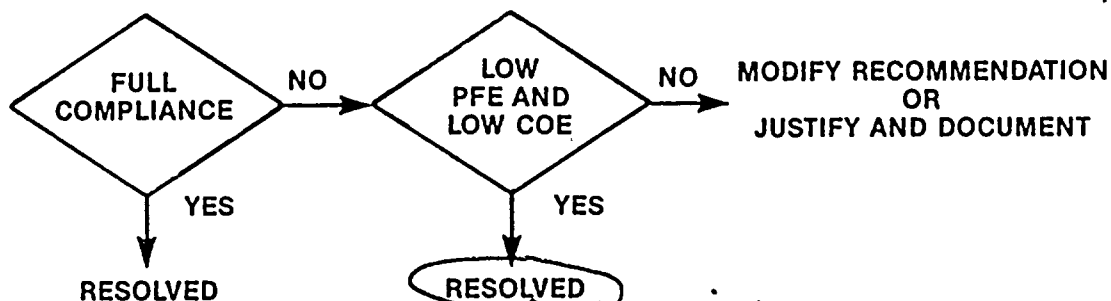
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Containment Sump Recorder will be reviewed for possible relaxation into CR. Containment Temperature Recorder is now available in rear of CR. Other recorders listed are not of sufficient importance to move into CR.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

11/3/86

11/1986



CLO/HED# 5.1-9

Circulation #: 6.5.4.1

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

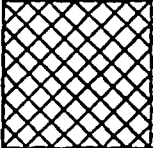
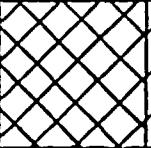

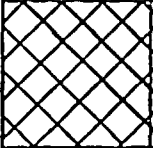
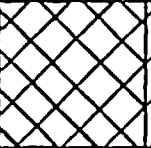


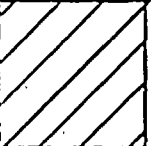

LOW

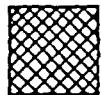
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# 5.1-9

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

- ☐ APPROVED ☐ PARTIALLY APPROVED ☒ NO ACTION ☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

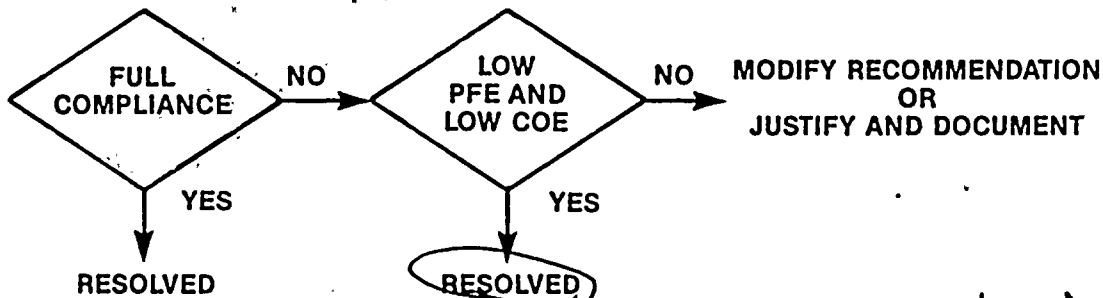
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Paper speed adjustment is a convenience, but not a necessity for efficient reading and changing of charts. The inconvenience does not warrant recorder replacement.

#### SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86

AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86

CLO/HED# 5.1-10

6.5.4.1K

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

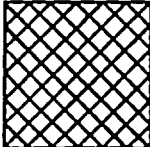
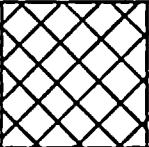
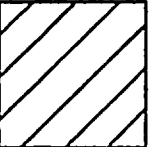
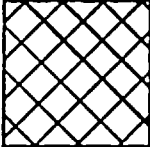

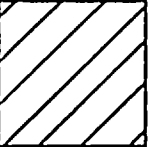

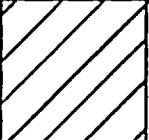

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED☐ PARTIALLY APPROVED☒ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

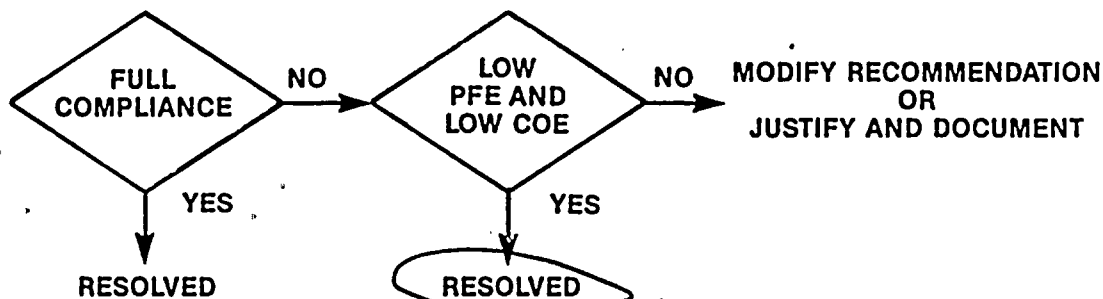
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

## EXPLANATION OR JUSTIFICATION

*It is not necessary to open doors to determine trends. The present value can be read by looking at the pointer. The trend can be determined by looking at the values on the chart paper and comparing them to the present reading. Also, the only listed recorder used in EOPs is NR-45 and its data can be read on indicators.*

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 1/3/86DATE 1/1/86





CLO/HED# 5.1-11

Criterion #: 6.5.4.1.9

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

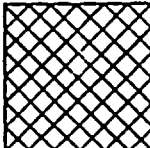
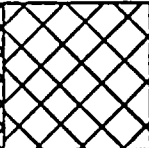
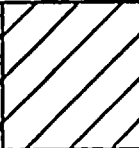
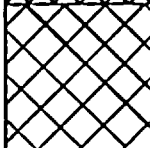
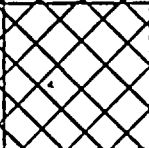

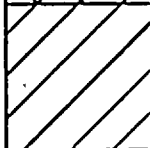
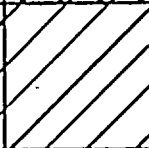
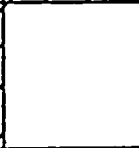
LOW

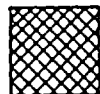
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



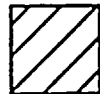
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 5.1-11.

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

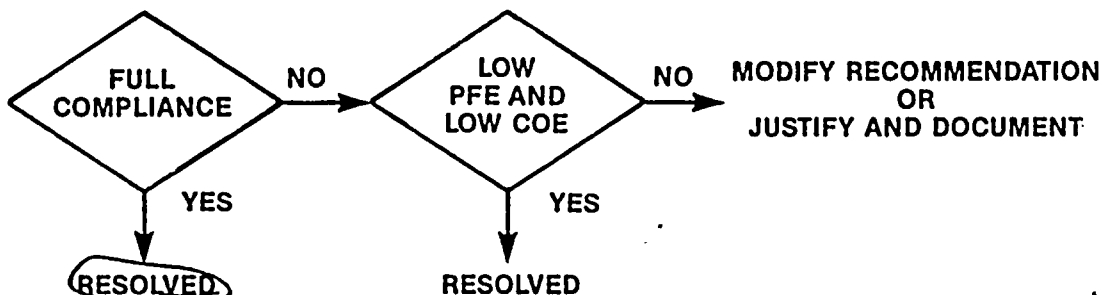
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Cartridge, felt tip pens will be installed on recorders where available, otherwise maintenance of refillable mechanisms will be improved.

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

1/3/86

1/1/986

CLO/HED# 5.1-1.2

6.5.4.2b (1)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

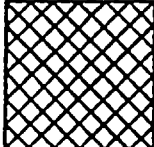
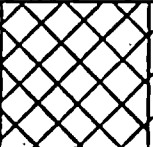

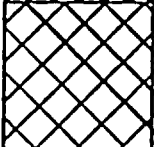
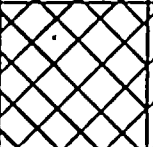

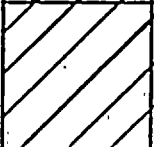
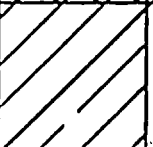
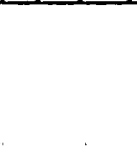
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 5.1-12

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED    ☐ PARTIALLY APPROVED    ☐ NO ACTION    ☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

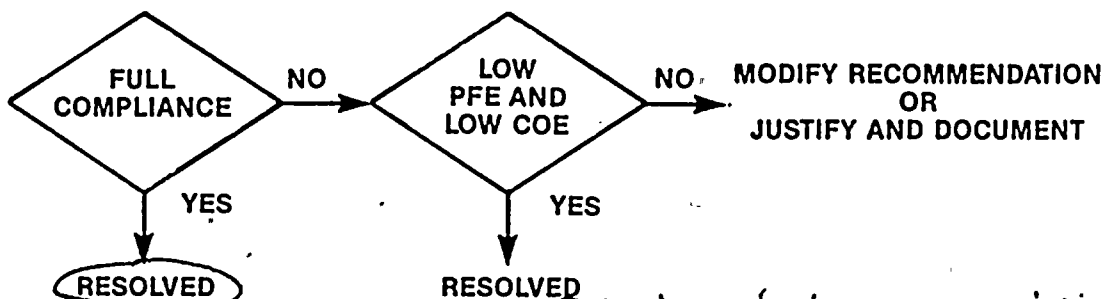
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Plant maintenance will ensure recorders do not hang up; will fix stops if needed. The Vibration Recorder has already been modified.

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

1/3/86

1/1/86

CLO/HED#

5.1-13

Criterion # 6.5.4.2.b(4)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

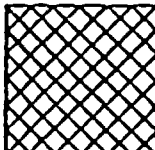
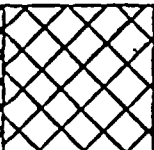
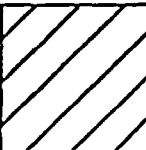
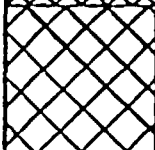
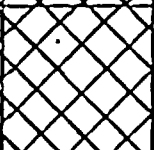

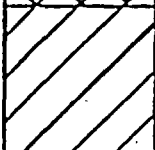
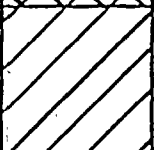

LOW

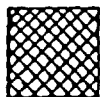
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV\*

\*This is for P250 only. The RMS portion of HED is covered by HED # 7.1-3 (category II).





## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED    ☐ PARTIALLY APPROVED    ☐ NO ACTION    ☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

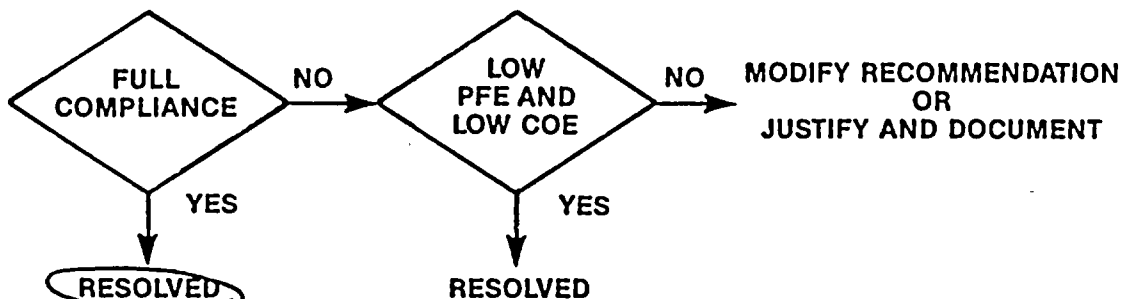
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW


 EXPLANATION OR JUSTIFICATION The process recorder is being considered for replacement within five years.

## SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]DATE 1/3/86AEPSC PROGRAM LEAD ENGINEER RFSDATE 1/1/86

CLO/HED# 5.1-14

Citation #: G.5.4.1.8.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

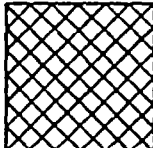
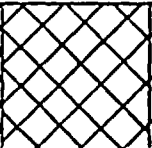

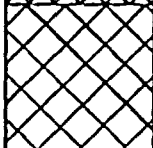
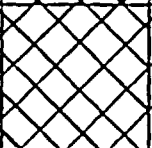

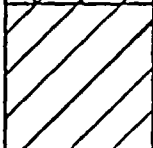
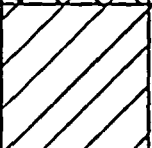
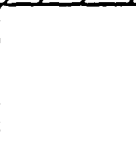
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED☐ PARTIALLY APPROVED☒ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

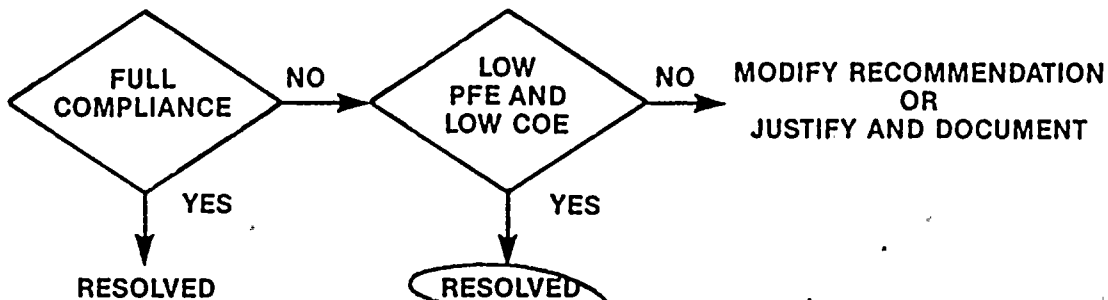
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Takeup spool and paper cutoff edge are conveniences. Operators are able to efficiently change or cut charts without them. A lack of these does not warrant recorder replacement. Many recorders in the CR use "fan fold" paper and this guideline is not appropriate to them (paper is easily detached).

SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

AEPSC PROGRAM LEAD ENGINEER \_\_\_\_\_

DATE

1/3/86

DATE

1/19/86



CLO/HED# 5.1-15

Collection # 6.5.1.32.1

# ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

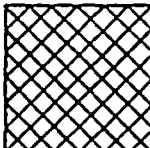
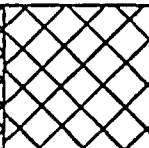
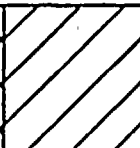
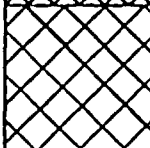
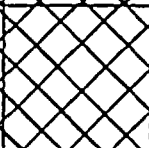
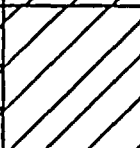
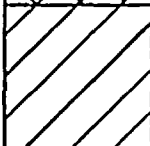
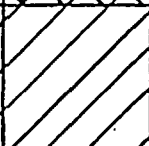
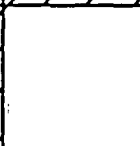
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 5.1-15

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

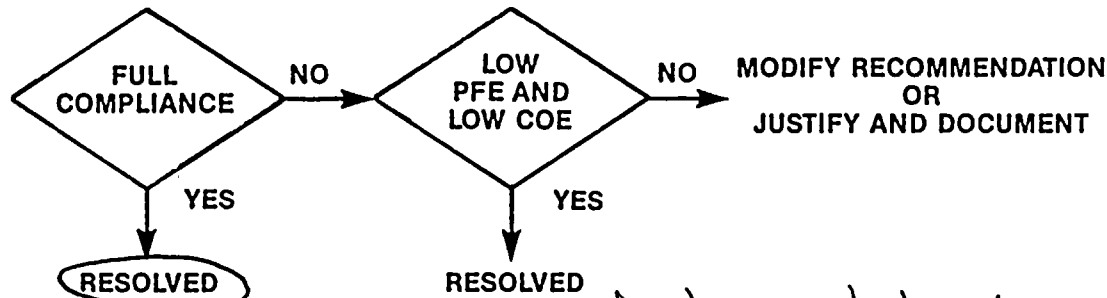
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Indicator scale backgrounds  
are to be changed to white, except narrow band  
(without numbers) will be color coded for parameters.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 1/3/86DATE 1/24/86





CLO/HED# 5.1-16

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☒ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

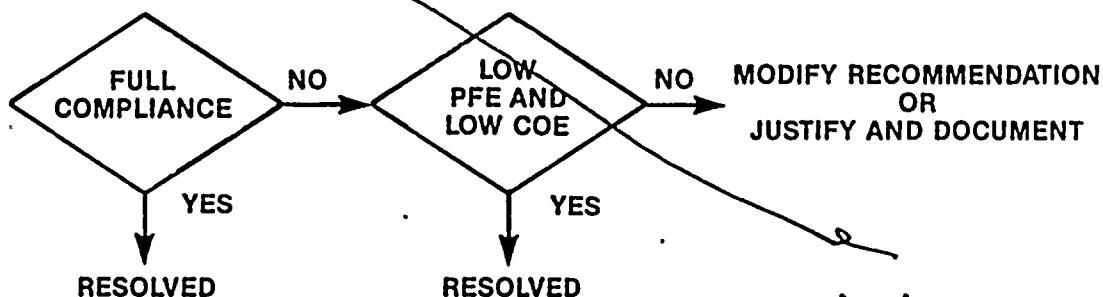
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION CLO is redundant to 5.1-53.  
See 5.1-53 since it contains all pertinent information.

## SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

AEPSC PROGRAM LEAD ENGINEER RFSDATE 1/3/86DATE 1/19/86



CLO/HED# 5.1-17

Continuation #: 6,5,3,2,a(1)

# ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

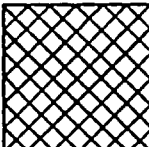
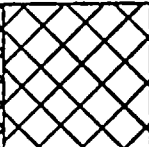
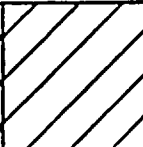
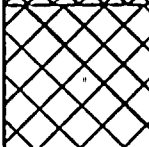
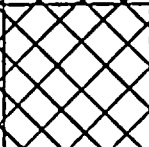

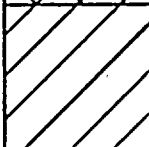
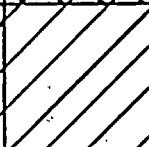

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

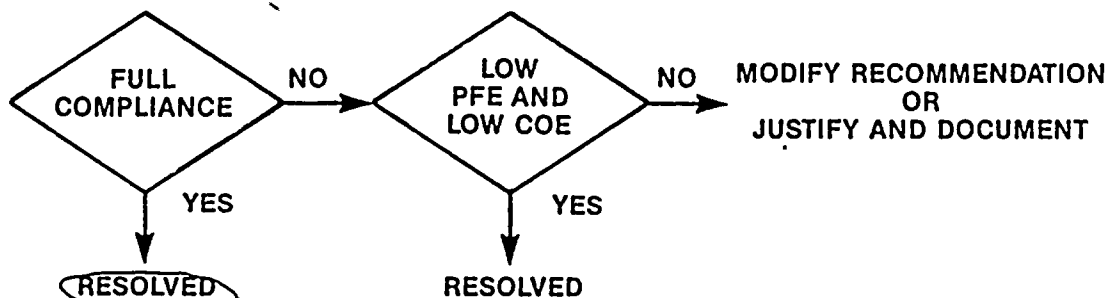
☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED    ☐ PARTIALLY APPROVED    ☐ NO ACTION    ☐ OTHER

## EVALUATION

|                                 |      |            |     |
|---------------------------------|------|------------|-----|
| FULL COMPLIANCE WITH GUIDELINES | NO   | <u>YES</u> |     |
| POTENTIAL FOR ERROR (PFE)       | HIGH | MEDIUM     | LOW |
| CONSEQUENCE OF ERROR (COE)      | HIGH | MEDIUM     | LOW |



EXPLANATION OR JUSTIFICATION Labeling will be added to explain white lights. Consistency of other applications will be ensured. On vendor supplied panels, lenses will be changed if appropriate color lenses are available. Will not change APDMS since it is not used by operators and may be removed from CR.

## SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

DATE 1/3/86AEPSC PROGRAM LEAD ENGINEER RFSDATE 1/19/86

CLO/HED# 5.1-18

Collection # 6.5.3.3.b.(2)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

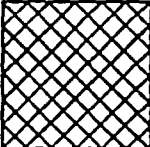
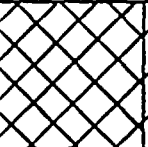

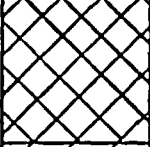
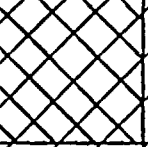




LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III





CLO/HED# 5.1-18

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

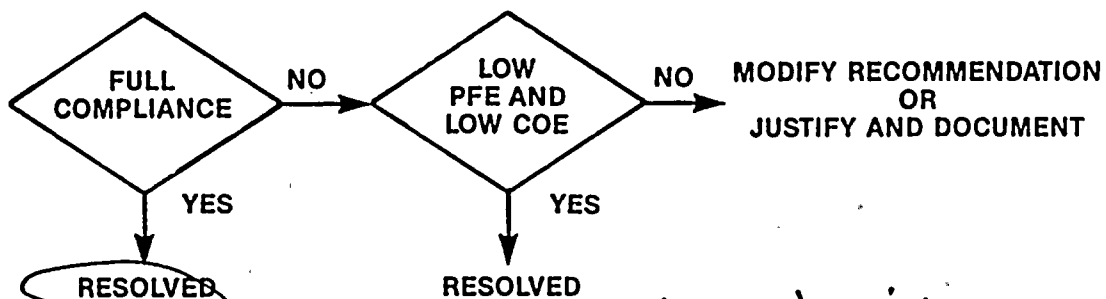
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

- ☒ APPROVED    ☐ PARTIALLY APPROVED    ☐ NO ACTION    ☐ OTHER

### EVALUATION

|                                 |      |            |     |
|---------------------------------|------|------------|-----|
| FULL COMPLIANCE WITH GUIDELINES | NO   | <u>YES</u> |     |
| POTENTIAL FOR ERROR (PFE)       | HIGH | MEDIUM     | LOW |
| CONSEQUENCE OF ERROR (COE)      | HIGH | MEDIUM     | LOW |



EXPLANATION OR JUSTIFICATION Legend lights will be  
re-engraved in compliance with NUREG-0700  
guidelines concerning use of capital letters and  
correct font style.

#### SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86  
AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/19/86

CLO/HED# 5.1-19

Continuation # 6.5.3.3.b.3

# ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

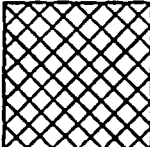
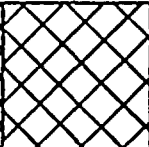
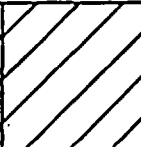
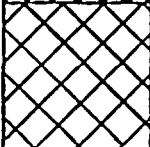
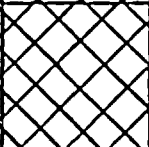

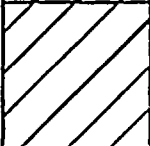
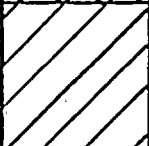

High Medium Low

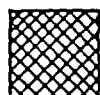
Potential For Error

High

Medium

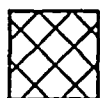
Low

|        |  |  |   |
|--------|--|--|---|
| High   |   |   |   |
| Medium |   |   |   |
| Low    |  |  |  |



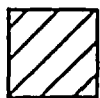
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

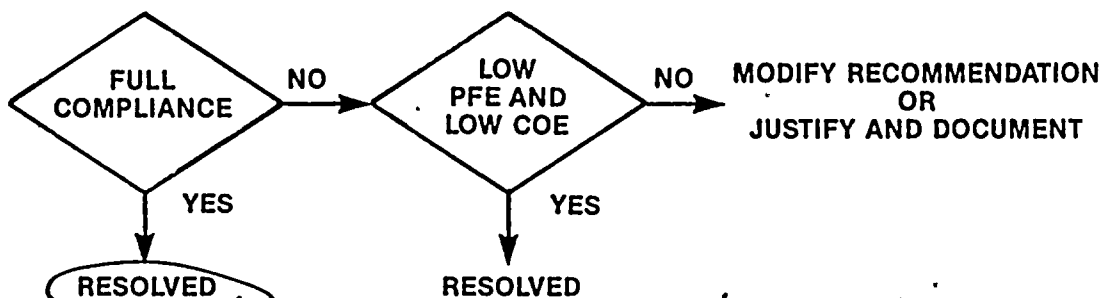
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Legend lights are to be  
re-engraved in compliance with NUREG-0700  
guidelines concerning symbols and punctuation marks

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

1/3/86

DATE

1/19/86



CLO/HED# 5.1-20

Location # 6.5.3.3.6(5)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

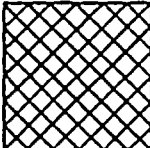
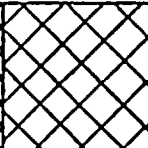
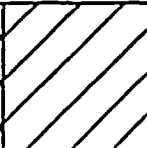
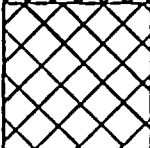
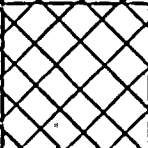
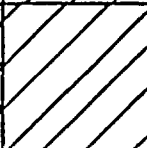
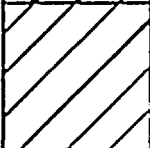
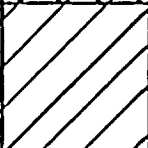

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 5.1-20

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED    ☐ PARTIALLY APPROVED    ☐ NO ACTION    ☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

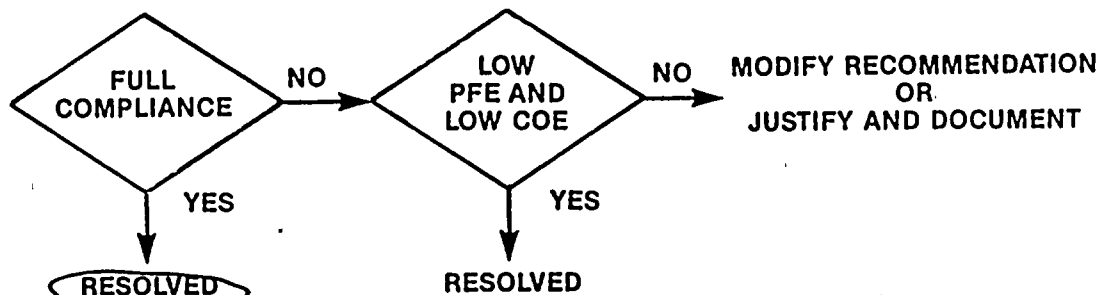
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Legend lights are to be re-engraved  
using standard abbreviations so they are more concise  
and fit on 3 lines-

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

*[Signature]*

DATE 4/30/85

AEPSC PROGRAM LEAD ENGINEER

*[Signature]*

DATE 1/19/86





CLO/HED# 5.1-21

Criterion #1 G.5.1.2.c.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

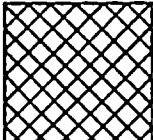
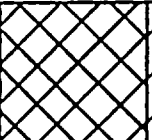

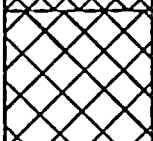
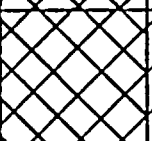


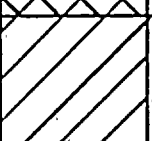
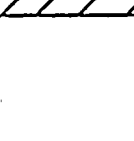
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# 5.1-21

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

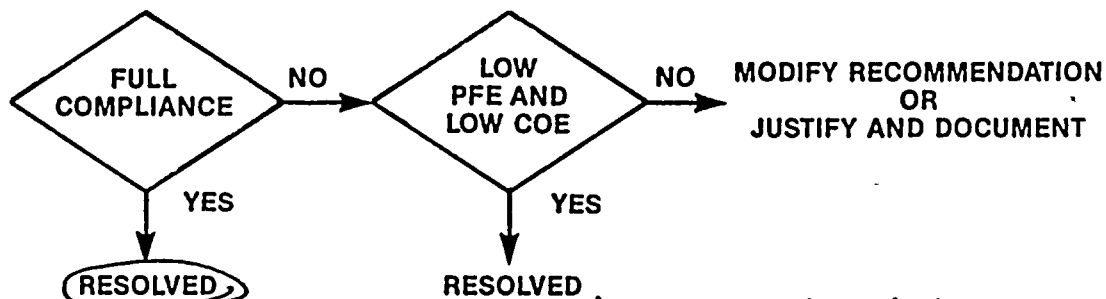
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

meter scale will be replaced so that multiplier is no longer confusing.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 1/3/86DATE 1/19/86



CLO/HED# 5.1-22

Criterion # 6.5.1.2e

ASSESSMENT RECORD

|                            |  |      |        |     |
|----------------------------|--|------|--------|-----|
| POTENTIAL FOR ERROR (PFE)  |  | HIGH | MEDIUM | LOW |
| CONSEQUENCE OF ERROR (COE) |  | HIGH | MEDIUM | LOW |

|                     |        |                      |        |     |
|---------------------|--------|----------------------|--------|-----|
|                     |        | Consequence Of Error |        |     |
|                     |        | High                 | Medium | Low |
| Potential For Error | High   |                      |        |     |
|                     | Medium |                      |        |     |
|                     | Low    |                      |        |     |

|  |                 |   |
|--|-----------------|---|
|  | Category I --   | High priority; corrective action should be taken.         |
|  | Category II --  | Medium priority; corrective action is highly recommended. |
|  | Category III -- | Low priority; corrective action is recommended.           |
|  | Category IV --  | No corrective action necessary, but should be considered. |

ASSESSMENT CATEGORY IV



CLO/HED# 5.1-22.

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

- ☐ APPROVED ☐ PARTIALLY APPROVED ☒ NO ACTION ☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

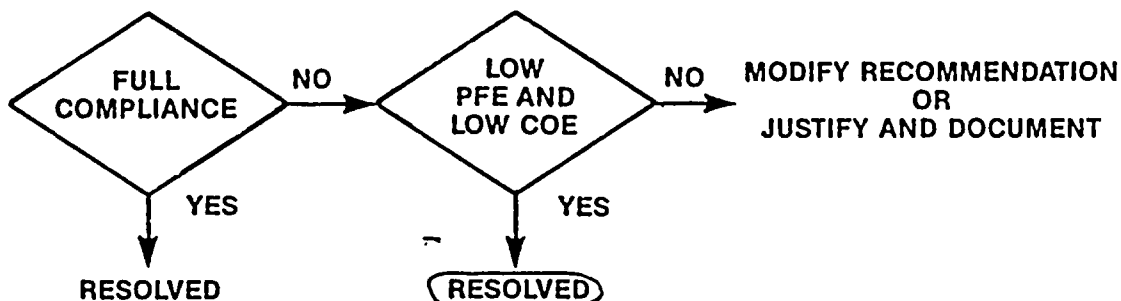
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION The numbers in question are used by C+I technicians to calibrate the meters. Operators are aware that the markings are not for their use. The markings are quite small, out of the way, and do not interfere with scale readability.

#### SIGNOFF

H.F. CONSULTANT (ESSEX) T. J. Voss DATE 11/3/86

AEPSC PROGRAM LEAD ENGINEER RES DATE 11/19/86



CLO/HED# 5.1-23

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☒ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

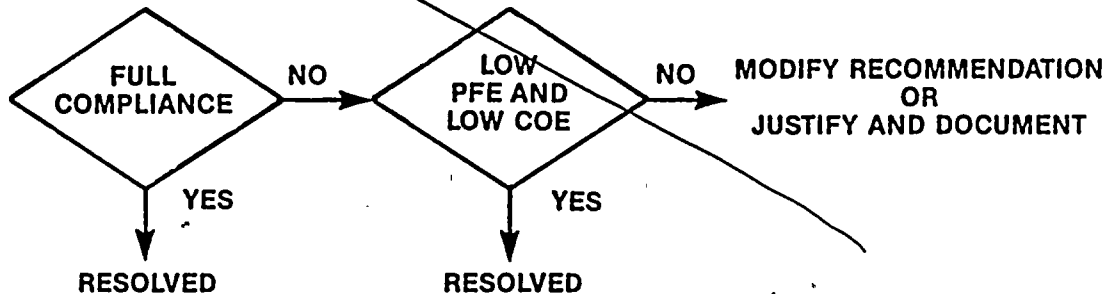
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION CLO is not an HED, there is no violation of NUREG-0700 guidelines. The indicators described are for different parameters with different ranges.

## SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

AEPSC PROGRAM LEAD ENGINEER \_\_\_\_\_

DATE 1/3/86DATE 1/19/86



CLO/HED# 5.1-24

Criterion #: G.S.3.3.a.2 & 3

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

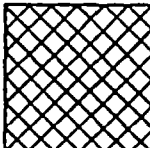
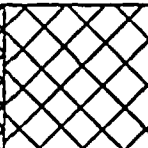
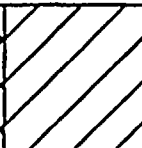
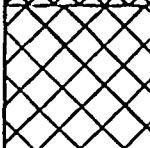
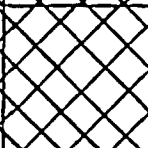

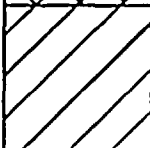
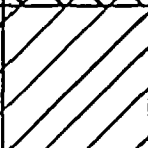

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 5.1-24

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

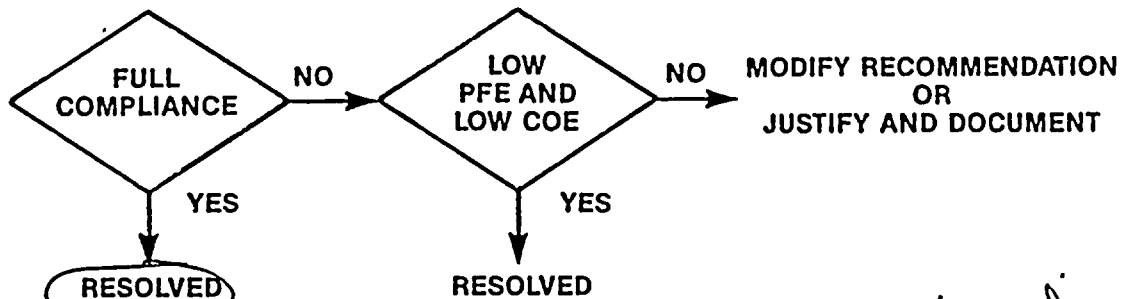
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Blue or green legend indicator lights will be changed to white. Refer to 4.1-19.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 11/3/86DATE 1/1/986

CLO/HED# 5.1-25.

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

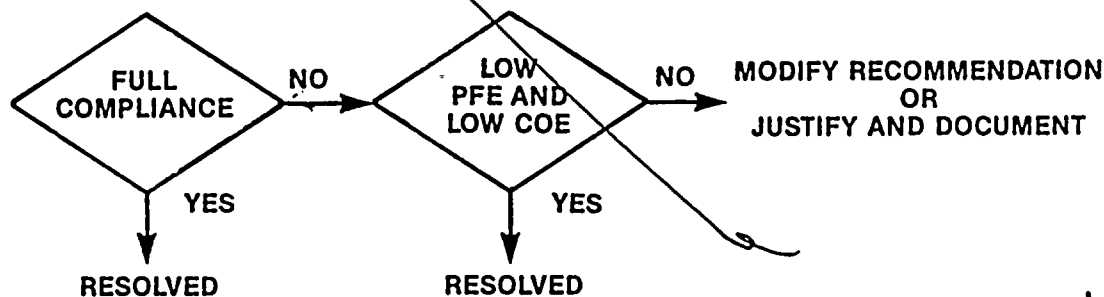
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

- ☐ APPROVED    ☐ PARTIALLY APPROVED    ☐ NO ACTION    ☒ OTHER

### EVALUATION

|                                 |      |        |     |
|---------------------------------|------|--------|-----|
| FULL COMPLIANCE WITH GUIDELINES | NO   | YES    |     |
| POTENTIAL FOR ERROR (PFE)       | HIGH | MEDIUM | LOW |
| CONSEQUENCE OF ERROR (COE)      | HIGH | MEDIUM | LOW |



EXPLANATION OR JUSTIFICATION This CLO is redundant to 5.1-51. See 5.1-51 since it contains all pertinent information

#### SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86

AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86



CLO/HED# 5.1-26

Location: 6.5.1.5.a.(1)

# ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

## Consequence Of Error

High

Medium

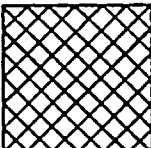
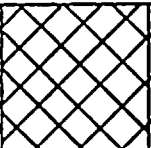

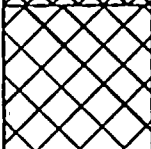
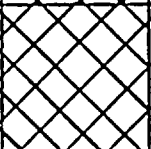

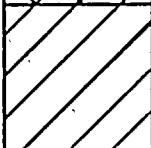
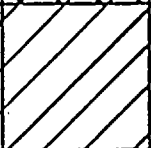

Low

Potential For Error

High

Medium

Low

|        |  |  |   |
|--------|--|--|---|
| High   |   |   |   |
| Medium |   |   |   |
| Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV





CLO/HED# 5.1-26.

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

- ☐ APPROVED ☒ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

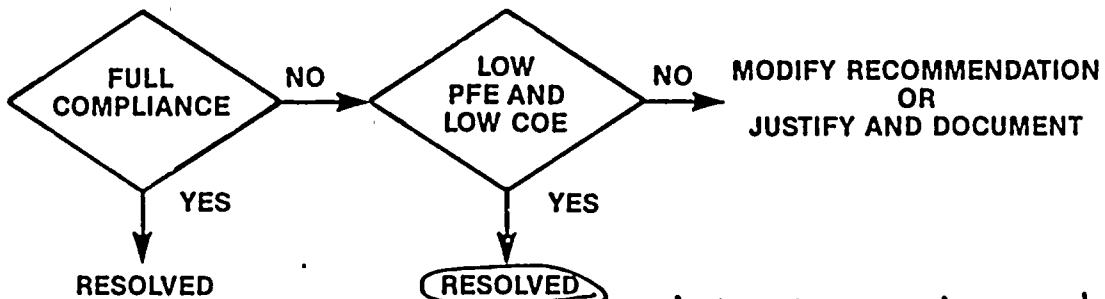
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION. Many indicator scales are to be changed due to other HEDs. When the scales are changed the guideline cited in the present HED will be complied with or followed.

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 1/3/86

DATE 1/1986



CLO/HED#

5.1-27

6.5.2.1b

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

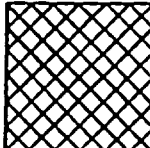
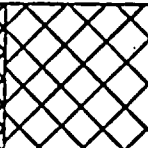
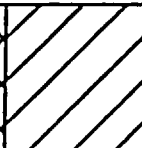
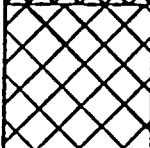
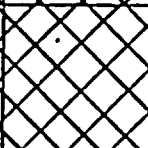

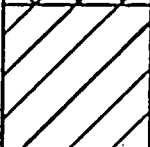
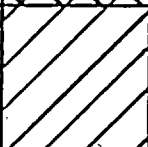

CONSEQUENCE OF ERROR (COE)

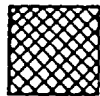
HIGH

MEDIUM

LOW

## Consequence Of Error

|                     |        | High  | Medium  | Low  |
|---------------------|--------|---|---|--|
| Potential For Error | High   |  |  |  |
|                     | Medium |  |  |  |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



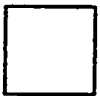
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# 5.1-27.

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☐ APPROVED

☒ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

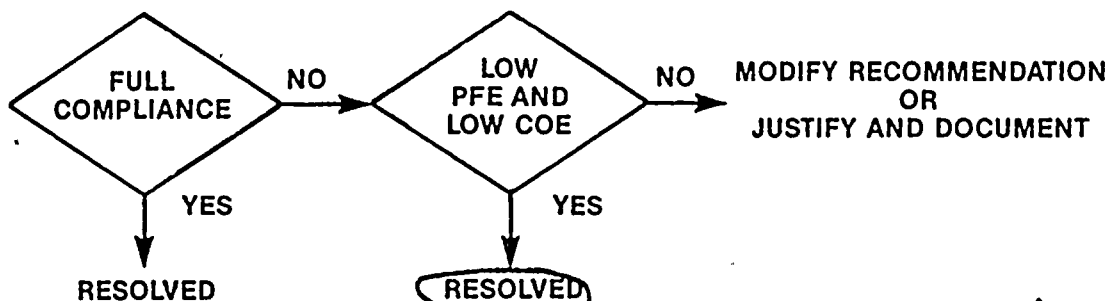
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Indicators are within conventions used and understood at D. C. Cook. Operators are well trained and know that as inches of mercury decrease from 30 at scale bottom to 0 at scale top absolute pressure increases. Labeling enhancements will improve operator comprehension.

#### SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

AEPSC PROGRAM LEAD ENGINEER \_\_\_\_\_

DATE 1/3/86

DATE 1/19/86



CLO/HED#

5.1-28

6.5.2.2a(1)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

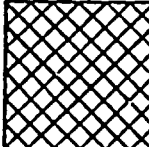
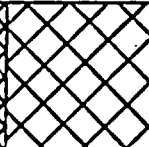
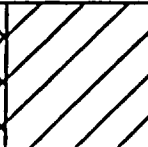
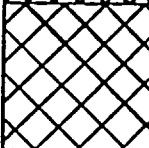
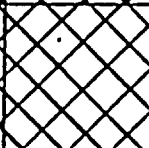
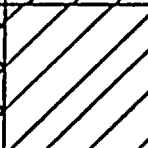
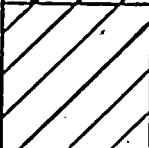
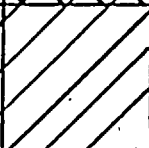
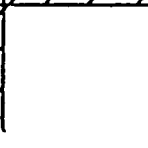
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |   |  |
|---------------------|--------|---|---|--|
|                     |        | High  | Medium  | Low  |
| Potential For Error | High   |  |  |  |
|                     | Medium |  |  |  |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY IV





CLO/HED# 5.1-28

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

- ☐ APPROVED ☒ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

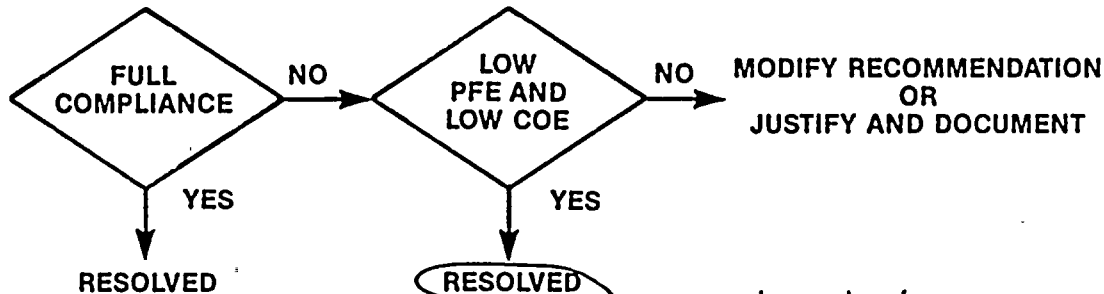
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION All of the meters listed can be easily read without confusion or hesitancy. Should any of the displays require replacement for other reasons, the recommended printer design will be considered.

## SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86

AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86

CLOIHED# 5.1-29

Collection #: 6.5.2.3.9.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

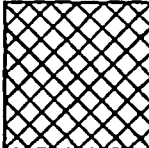
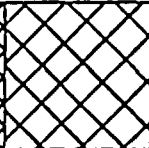
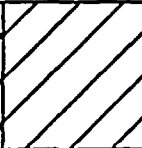
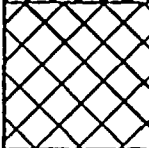
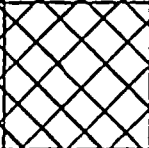

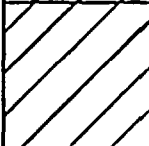
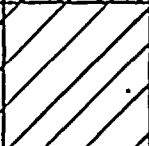

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 5.1-29

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

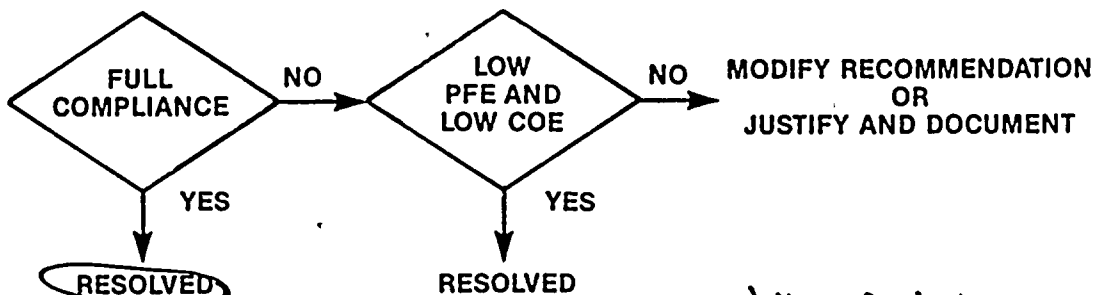
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPSC will undertake zone coding study and correct indicator zone coding as appropriate.

## SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

AEPSC PROGRAM LEAD ENGINEER RFSDATE 4/30/85DATE 1/1/986

CLO/HED# 5.1-30

Collection #: 6.5.2.3.6.

# ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

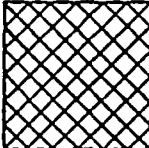
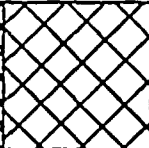

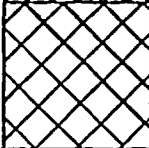
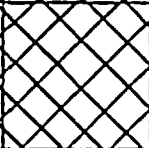

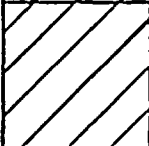


LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 5.1-30

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

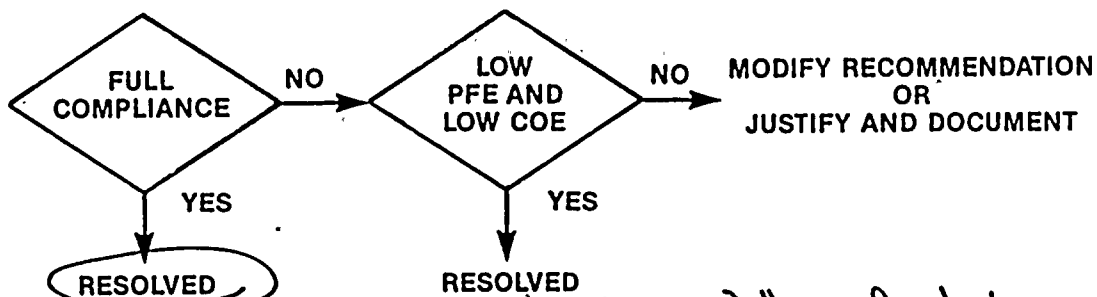
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPSC will undertake zone coding study and correct indicator zone coding as appropriate.

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

4/30/85

DATE

1/19/86

CLO/HED# 5.1-31

Correction #: 6.5.1.6.2.2.

# ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

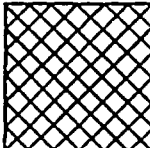
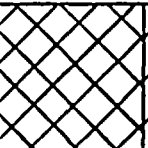

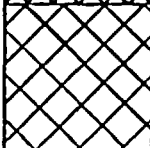
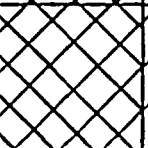

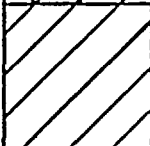
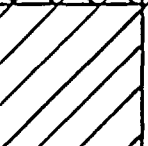
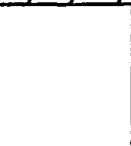
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV





CLO/HED# 5.1-31

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

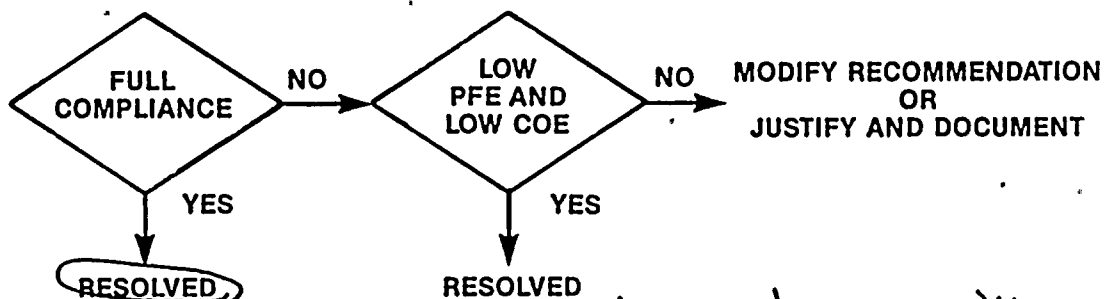
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Plant maintenance will make effort to repaint and keep flag indicators clean.

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 1/3/86

DATE 1/19/86



CLO/HED# 5.1-32

6.5.2.5

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

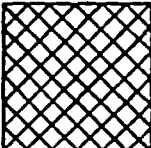
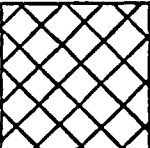
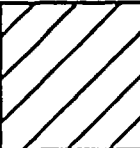
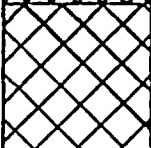
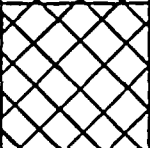
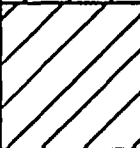
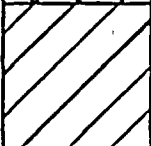
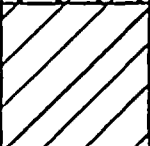

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED#

5.1-32

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED☐ PARTIALLY APPROVED☒ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

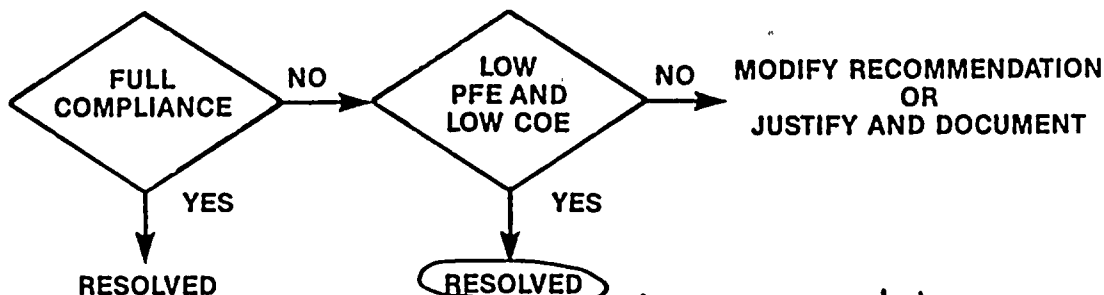
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION The Fischer H/A stations occasionally function as moving scale/fixed pointer. They are not confusing to operators. The use of the scales will be improved when direction of motion is labeled as suggested in HED 6.1-42. Also see HED 4.1-18.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

F. Voss

DATE

1/2/86

AEPSC PROGRAM LEAD ENGINEER

RAS

DATE

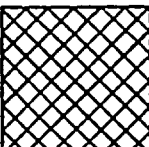
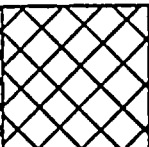
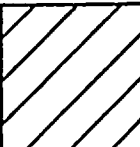
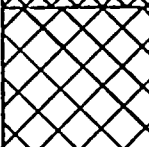
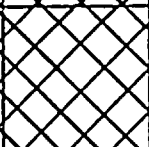

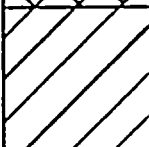
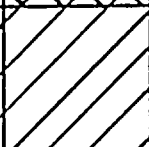

1/1/86

CLO/HED# 5.1-33

Criterion #: 6.5.1.3.c.(4)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW  
CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III





CLO/HED# 5.1-33.

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

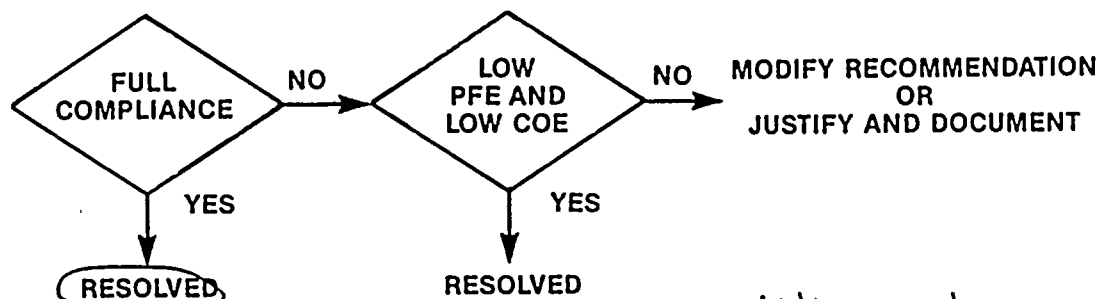
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Windows will be clear,  
scales will have white background, except for  
narrow band (without numbers) that will be color  
coded for parameter.

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 11/3/86

DATE 11/24/86

CLO/HED# 5.1-34

6.5.4.1b

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

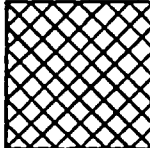
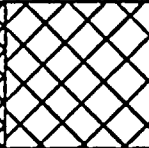

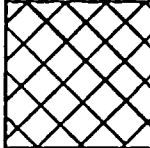
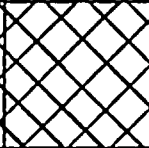

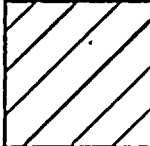
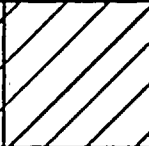
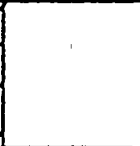
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |   |  |
|---------------------|--------|---|---|--|
|                     |        | High  | Medium  | Low  |
| Potential For Error | High   |  |  |  |
|                     | Medium |  |  |  |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 5.1-34

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

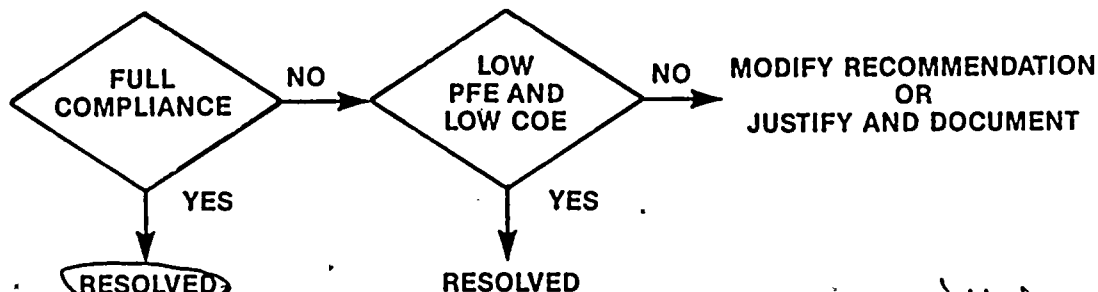
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Recorder Paper will be  
changed to match scales and maintained as such.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

1/3/86

DATE

1/19/86

CLO/HED# 5.1-35

Correction # 6.5.5.1.9.4

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

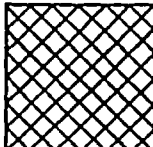
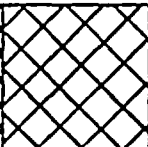
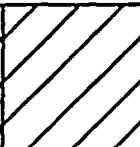
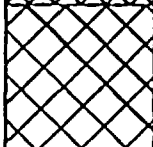
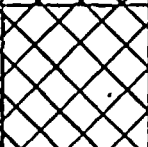

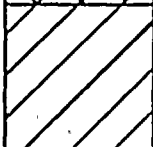
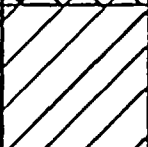

LOW

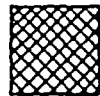
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



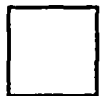
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# 5.1-35

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

- ☐ APPROVED ☐ PARTIALLY APPROVED ☒ NO ACTION ☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

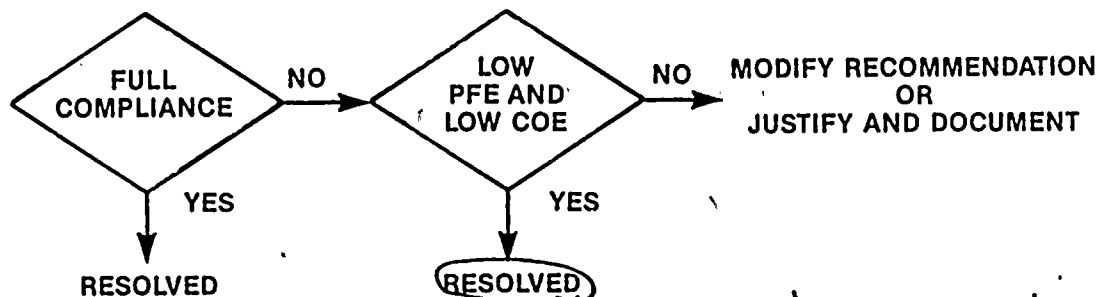
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION The contrast of the white numbers on black background is good, all counters are easily read.

#### SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]

DATE 1/3/86

AEPSC PROGRAM LEAD ENGINEER [Signature]

DATE 1/19/86

CLO/HED# 5.1-36

Collection # 6.5.5.1. b.

ASSESSMENT RECORD

|                            |      |        |     |
|----------------------------|------|--------|-----|
| POTENTIAL FOR ERROR (PFE)  | HIGH | MEDIUM | LOW |
| CONSEQUENCE OF ERROR (COE) | HIGH | MEDIUM | LOW |

Consequence Of Error

|        |      |        |     |
|--------|------|--------|-----|
|        | High | Medium | Low |
| High   |      |        |     |
| Medium |      |        |     |
| Low    |      |        |     |

Potential For Error

|  |                 |   |
|--|-----------------|---|
|  | Category I --   | High priority; corrective action should be taken.         |
|  | Category II --  | Medium priority; corrective action is highly recommended. |
|  | Category III -- | Low priority; corrective action is recommended.           |
|  | Category IV --  | No corrective action necessary, but should be considered. |

ASSESSMENT CATEGORY TU



CLO/HED# 5.1-36.

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

- ☐ APPROVED ☐ PARTIALLY APPROVED ☒ NO ACTION ☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

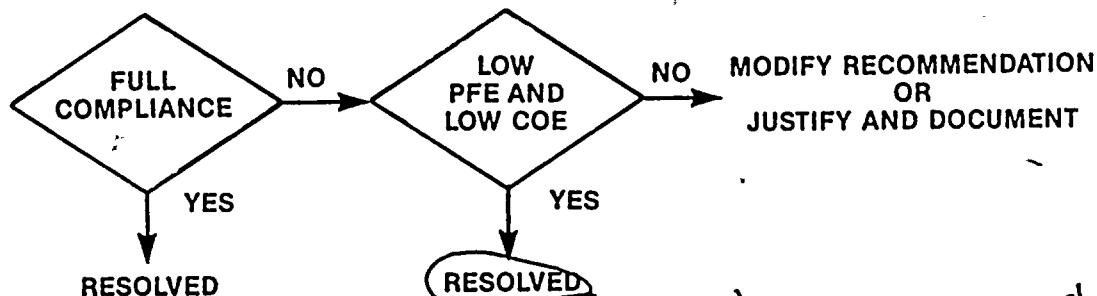
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION

All counters are easily read, the numbers are large enough to compensate for the somewhat off perpendicular mounting.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]DATE 1/3/86

AEPSC PROGRAM LEAD ENGINEER

RASDATE 1/19/86

CLO/HED# 5.1-37

Correction #: 6.5.5.2.a.2.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

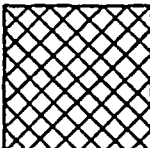
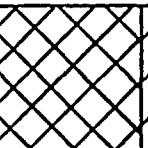

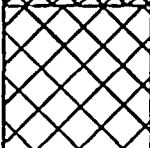
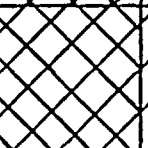

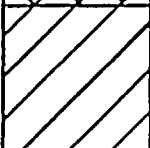
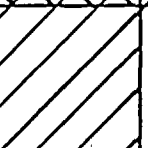

~~LOW~~

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

~~LOW~~

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# 5.1-37.

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☐ APPROVED

☐ PARTIALLY APPROVED

☒ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

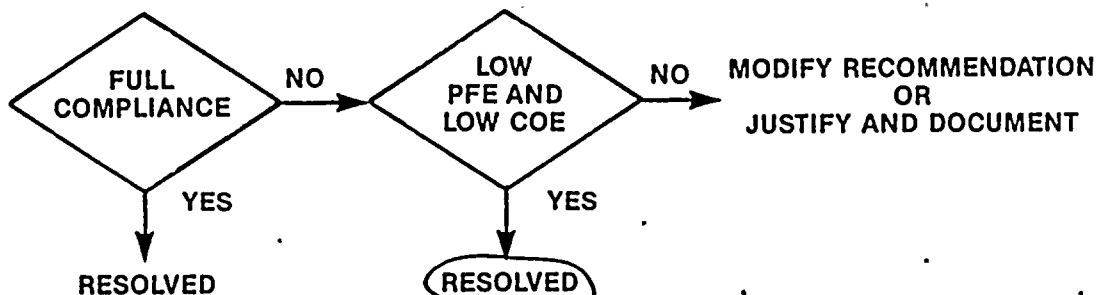
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

All counters are easily  
read, the characters are more than large enough to  
compensate for the slant.

#### SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

AEPSC PROGRAM LEAD ENGINEER RFO

DATE 1/3/86

DATE 1/19/86

CLO/HED# 5.1-38

Collection # 6.5.1.5.a.3  
6.5.4.1.c.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

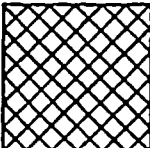
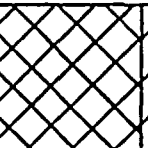

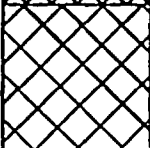
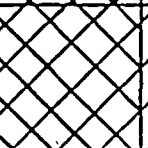

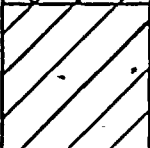
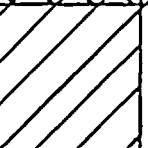

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# 5.1-38

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED☒ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

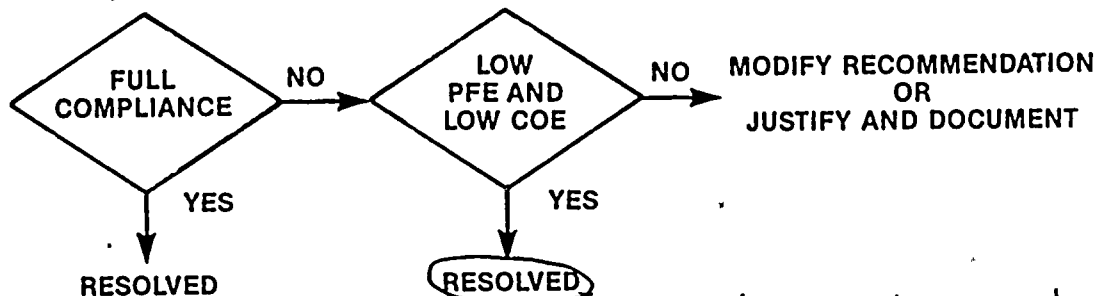
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Many scales are being changed due to other HEDs. When changed they will be designed to NUREG-0700 guidelines with consideration given to appropriate use of major, intermediate and minor graduations.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

DATE 11/3/86

AEPSC PROGRAM LEAD ENGINEER

RES

DATE 11/19/86



CLO/HED# 5,1-39

6.5.2.2b

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

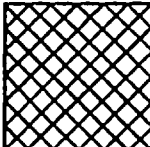
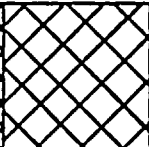
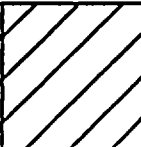
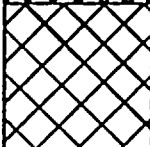
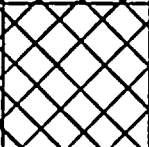

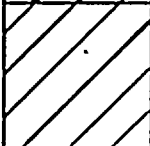
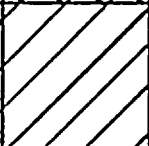

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |   |  |
|---------------------|--------|---|---|--|
|                     |        | High  | Medium  | Low  |
| Potential For Error | High   |  |  |  |
|                     | Medium |  |  |  |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV





CLO/HED# 5.1-39

6.5.2.2b

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED☐ PARTIALLY APPROVED☒ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

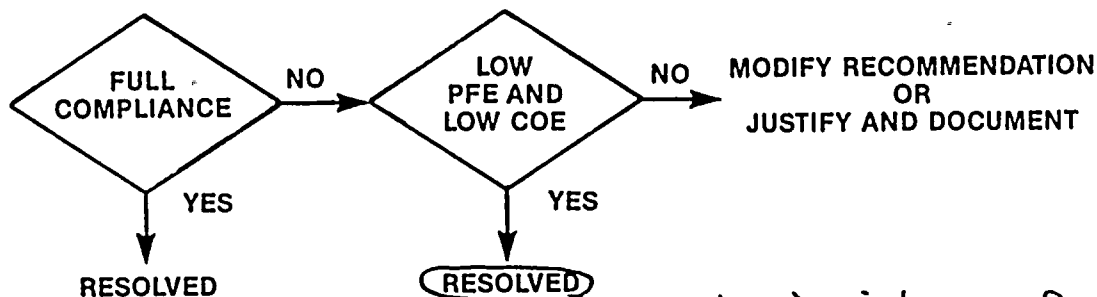
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION

All of the displays referred to can be easily read to the required accuracy of the application without confusion or hesitancy.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

1/3/86

DATE

1/1/986

CLO/HED# 5.1-40

Discussion #: 6.5.2.2.C.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

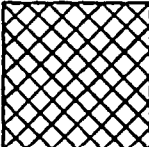
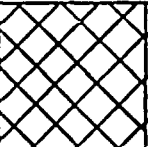

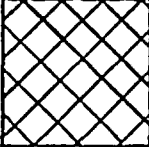
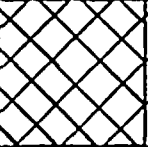




LOW

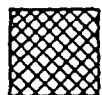
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



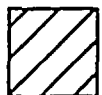
Category I --

High priority; corrective action should be taken.



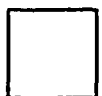
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 5.1-40

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES.

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

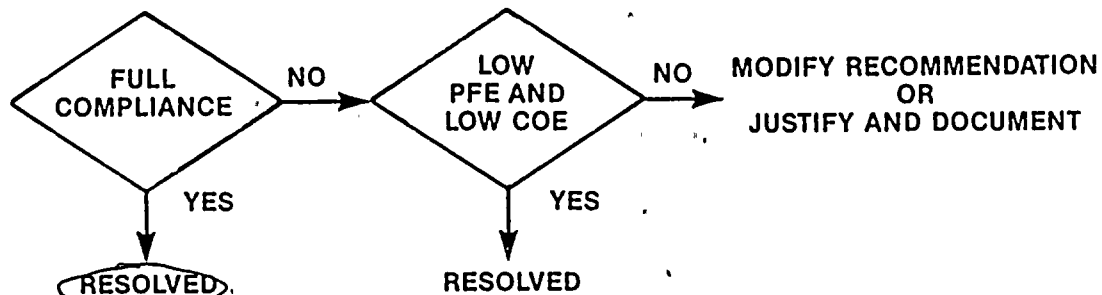
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

For indicators, black pointers on white scale faces will be used. Process controller pointers have good contrast, they do not need to be enhanced. Note: narrow band on vertical indicators will be color code for parameter.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

1/3/86

1/19/86

CLO/HED#

S.1-41

Citation #: 6.5.1.4.4.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

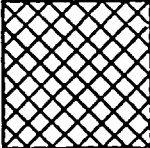
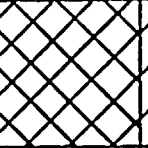

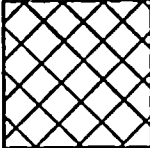
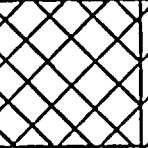

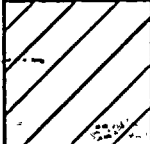
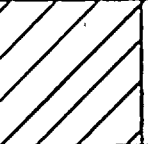

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# 5.1-41.

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

- ☐ APPROVED ☒ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

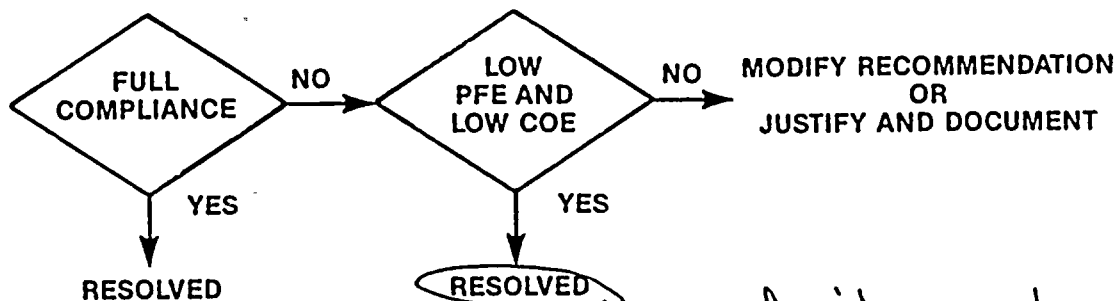
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Many indicator scales will be replaced due to other HEDs. When scales are changed multipliers will be eliminated such that only  $10^3$  and  $10^6$  will be used wherever possible

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

1/3/86

1/1/986



CLO/HED# 5-1-42

Collection #: 6-5-5.1.9.3.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

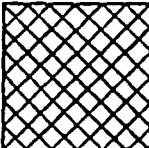
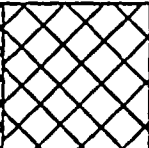

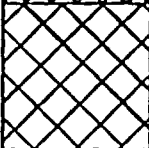
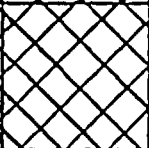

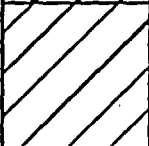
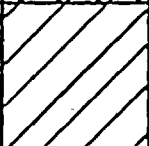

LOW

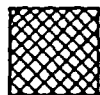
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 5.1-42

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

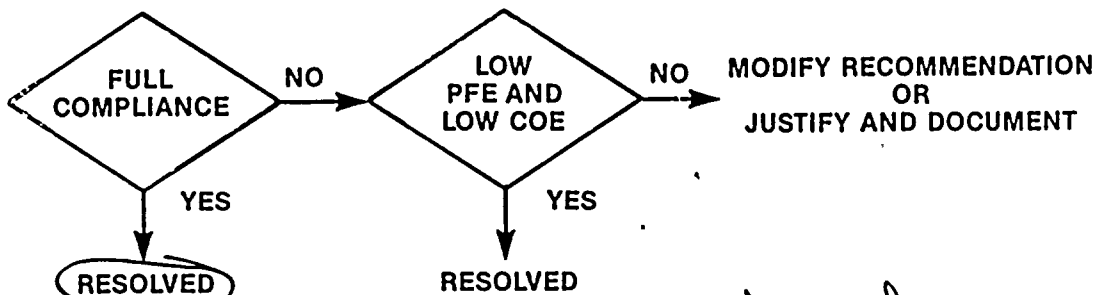
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

- ☒ APPROVED    ☐ PARTIALLY APPROVED    ☐ NO ACTION    ☐ OTHER

### EVALUATION

|                                 |      |            |     |
|---------------------------------|------|------------|-----|
| FULL COMPLIANCE WITH GUIDELINES | NO   | <u>YES</u> |     |
| POTENTIAL FOR ERROR (PFE)       | HIGH | MEDIUM     | LOW |
| CONSEQUENCE OF ERROR (COE)      | HIGH | MEDIUM     | LOW |



EXPLANATION OR JUSTIFICATION Decimals and commas  
will be added where appropriate.

#### SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86  
AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1986

CLO/HED# 5.1-43

6.5.2.2 a(2)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

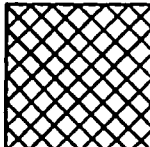
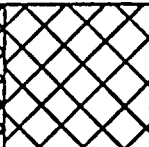
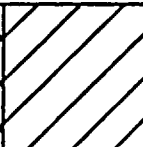
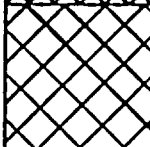
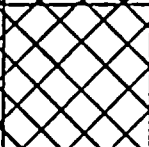
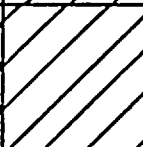
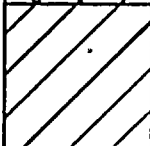
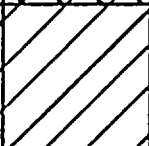

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |   |  |
|---------------------|--------|---|---|--|
|                     |        | High  | Medium  | Low  |
| Potential For Error | High   |  |  |  |
|                     | Medium |  |  |  |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# 5.1-43

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☐ APPROVED

☐ PARTIALLY APPROVED

☒ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

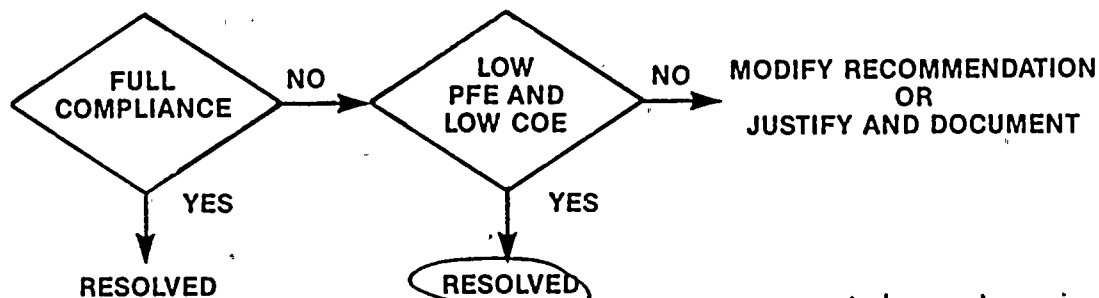
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Pointer sizes relative to the size of numerals is not excessive, the operators recognition of the numerals is not hindered. In some cases portions of graduation marks are covered, but recognition of the location of the marks and pointer tip are not compromised.

#### SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

DATE 1/3/86

AEPSC PROGRAM LEAD ENGINEER RFS

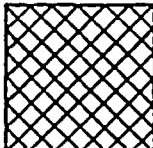
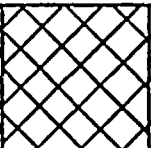

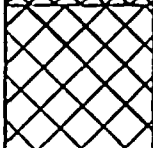
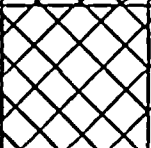

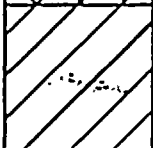
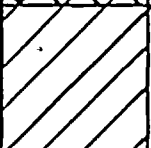

DATE 1/1986

CLO/HED# 5.1-44

Collection #: 6.5.1.6.2  
6.5.2.3.6.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW  
CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 5.1-44

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

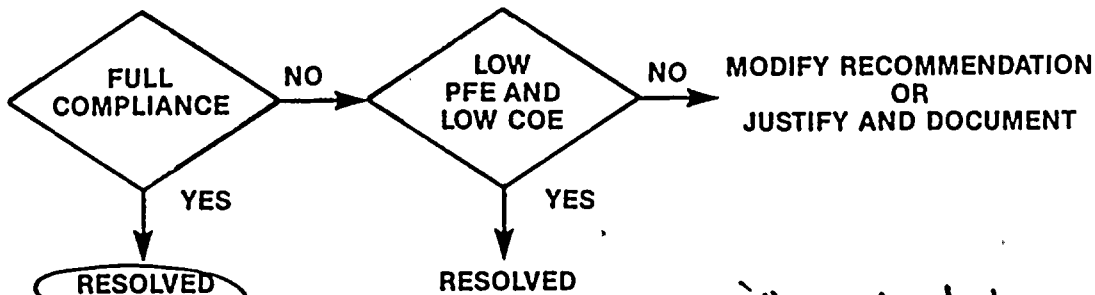
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPSA will undertake a zone coding study and ensure colors used for display zone coding are appropriate.

## SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

AEPSA PROGRAM LEAD ENGINEER \_\_\_\_\_

DATE 4/20/85DATE 1/1/986



CLO/HED# 5.1-45

Criterion #: 6.5.1.5.C  
6.5.4.1.C

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)      HIGH    MEDIUM    LOW  
CONSEQUENCE OF ERROR (COE)    HIGH    MEDIUM    LOW

|                     |        | Consequence Of Error |        |     |
|---------------------|--------|----------------------|--------|-----|
|                     |        | High                 | Medium | Low |
| Potential For Error | High   |                      |        |     |
|                     | Medium |                      |        |     |
|                     | Low    |                      |        |     |

- Category I -- High priority; corrective action should be taken.
- Category II -- Medium priority; corrective action is highly recommended.
- Category III -- Low priority; corrective action is recommended.
- Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY    III



CLO/HED# 5.1-45

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

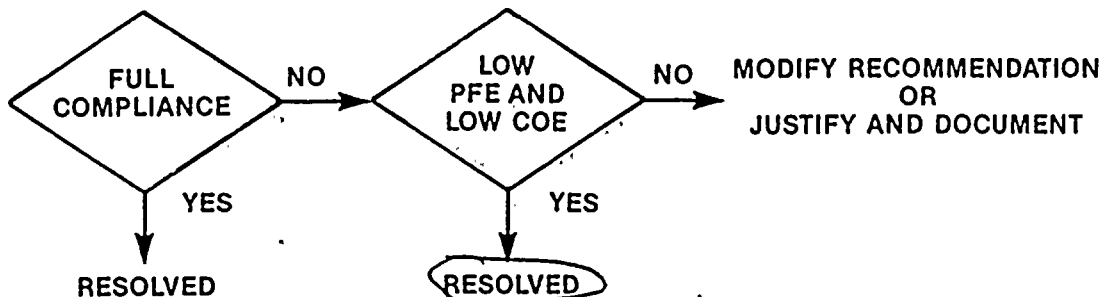
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION The scales will be reviewed  
and replaced as necessary. Most of the scales  
listed will be replaced, however, some electrical  
meter scales will be maintained to electrical meter  
conventions.

#### SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

AEPSC PROGRAM LEAD ENGINEER RFS

DATE 1/3/86

DATE 1/1986

CLO/HED# 5-1-46

Criterion #: 6.5.2.3 a.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

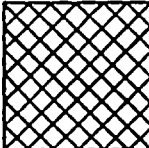
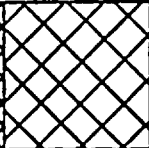
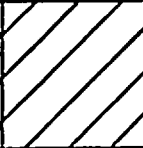
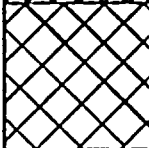
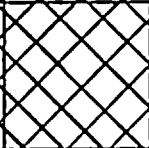
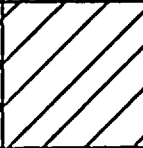
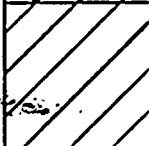
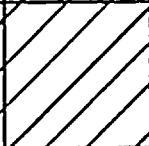
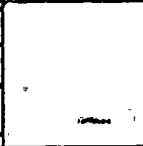
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 5.1-46

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

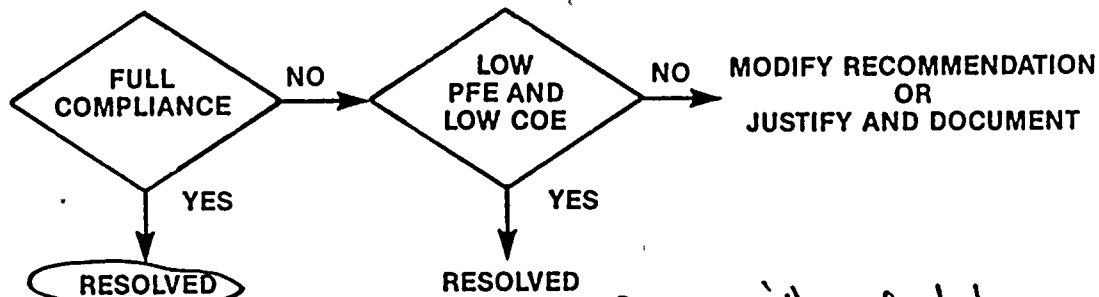
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPSC will undertake a  
zone coding study to ensure indicator zone coding  
is appropriately applied.

#### SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

AEPSC PROGRAM LEAD ENGINEER \_\_\_\_\_

DATE 4/30/85

DATE 1/1/986



CLO/HED# 5.1-47.

Collection #: 6.5.2.3.a.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

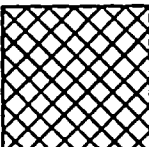
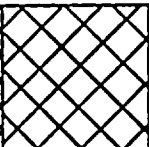
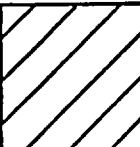
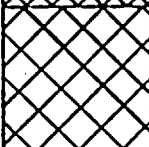
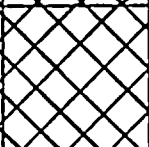
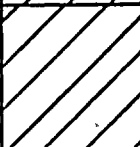
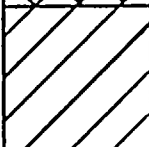
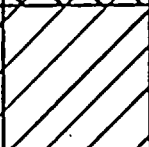

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III





CLO/HED# 5.1-47

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

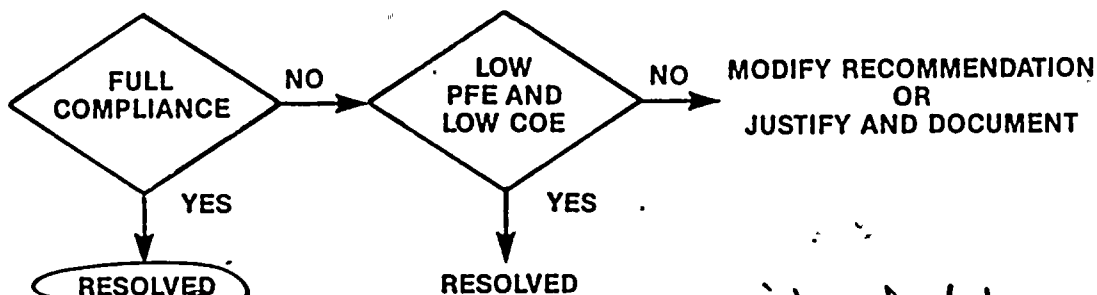
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPSC will undertake a zone  
coding study and will modify zone codes as  
appropriate. Use that codes are distinct for  
different zones.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

4/30/85

DATE

1/1/986



CLO/HED# 5.1-48

CONCLUSION: 6.5.3.3.6

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

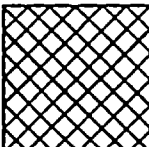
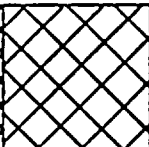
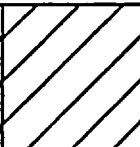
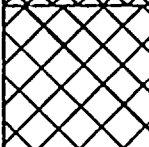
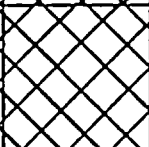

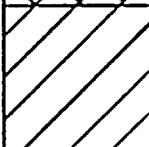
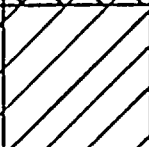

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 5.1-48

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

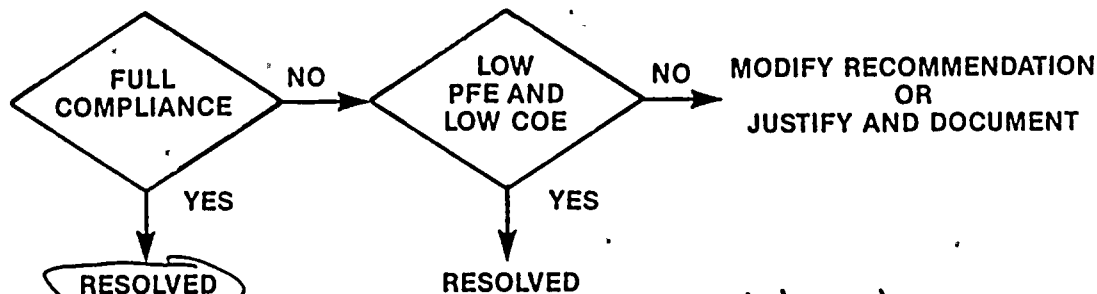
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Legend lights will be  
re-engraved using correct abbreviations.

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 1/3/86

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE 1/19/86



CLO/HED# 5.1-49

CONSEQUENCE = 6.5.1.2.0  
6.5.1.4.0.  
6.5.4.kC

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

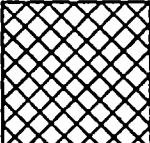
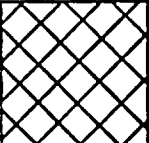
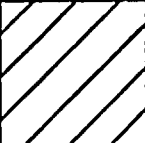

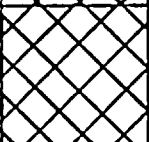
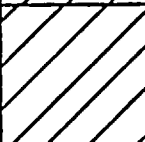
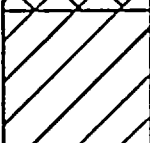

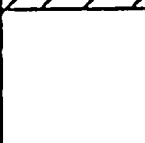
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III





CLO/HED# 5.1-49

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

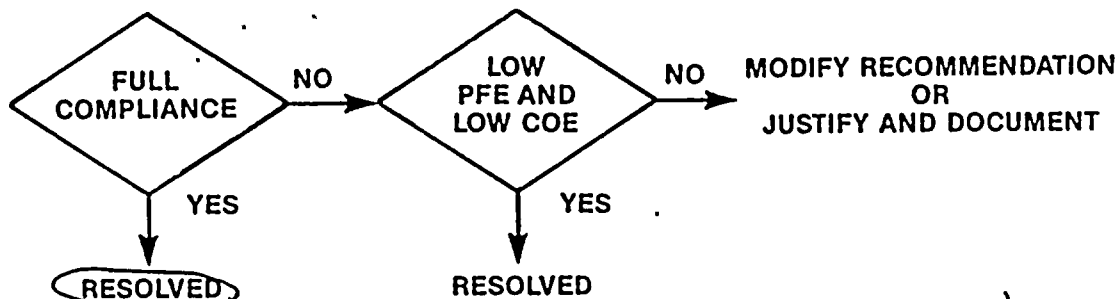
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Many scales are to be replaced, where possible only  $10^3$  and  $10^6$  will be used.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

11/3/86

11/19/86



CLO/HED# 5.1.50

CONCLUSION# 6.5.1.4.2, 8, 2.

# ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

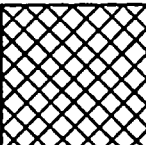
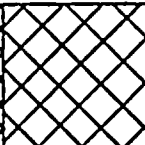
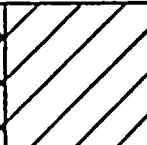

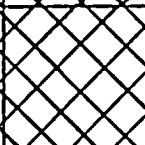
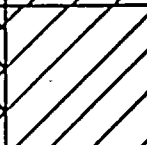
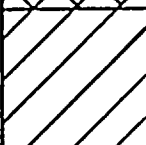


Low

Potential For Error

High

Medium

Low

|        |  |  |   |
|--------|--|--|---|
|        | High   | Medium   | Low   |
| High   |   |   |   |
| Medium |   |   |   |
| Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY





CLO/HED# 5.1-50

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

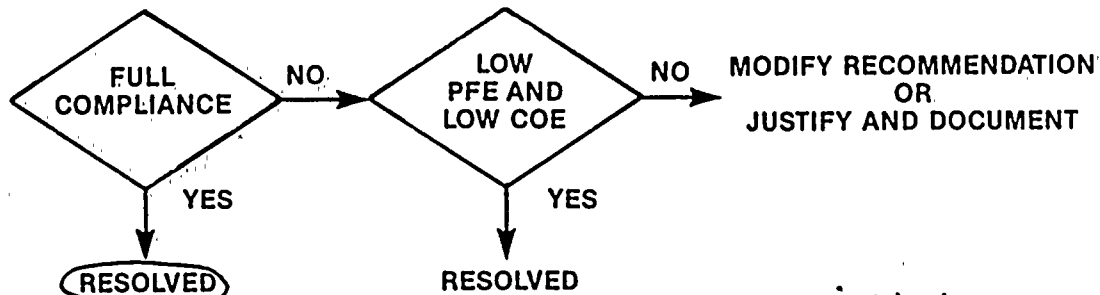
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Messages will be  
modified using standard abbreviations  
and bolder engraving.

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 1/3/86

DATE 1/1986

CLO/HED# 5.1-51

6.5.2.4a  
6.5.2.1b

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

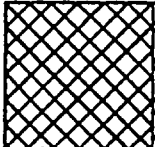
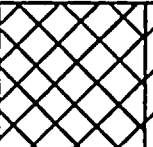

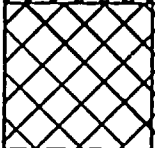
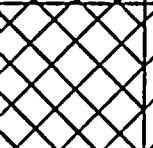

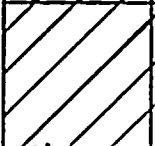
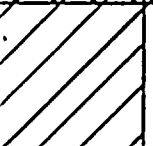

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |   |  |
|---------------------|--------|---|---|--|
|                     |        | High  | Medium  | Low  |
| Potential For Error | High   |  |  |  |
|                     | Medium |  |  |  |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III





CLO/HED# 5.1-51.

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☐ APPROVED

☒ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

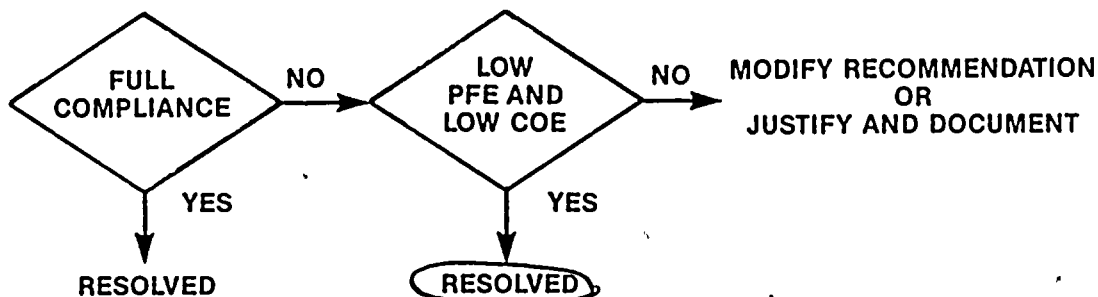
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Baron Injection Tank Temp. is to be corrected. Hydrogen Recombiner Temp. meters are easily read, no change is needed.

#### SIGNOFF

H.F. CONSULTANT (ESSEX) \_\_\_\_\_

DATE 1/3/86

AEPSC PROGRAM LEAD ENGINEER RFS

DATE 1/19/86



CLO/HED# 5.1-52

Classification: 6.5.1.3.4.1  
6.5.4.2.6.2.  
6.7.1.5.4.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

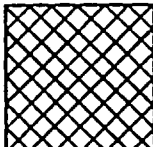
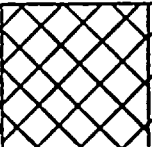

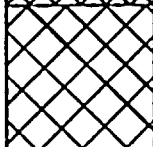
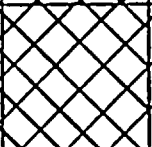

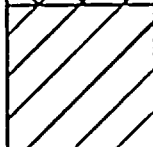
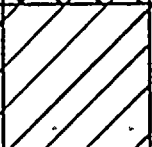

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 5.1-52

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

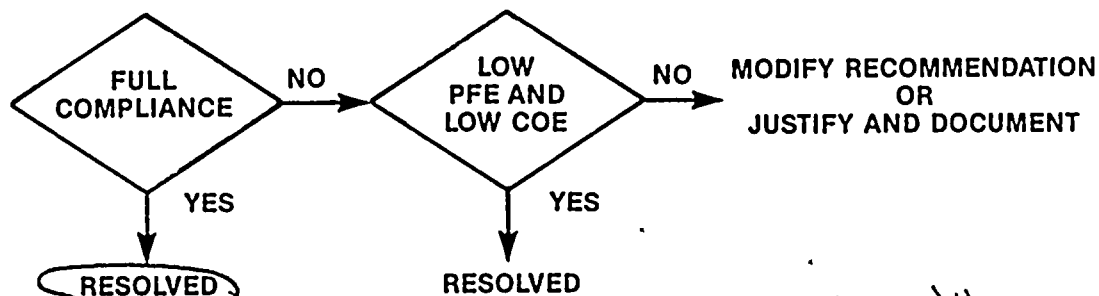
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Identified scales will be replaced; indicator lights will be cleaned and lettering repaired; and bulbs and/or light circuits will be repaired as needed.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. Voss

DATE

1/3/86

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE

1/19/86

CLO/HED# 5.1-53

6.53.2b

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

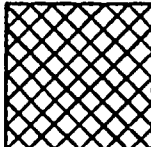
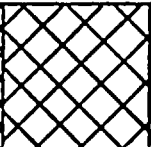
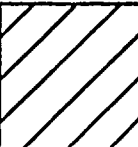
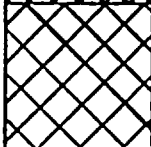
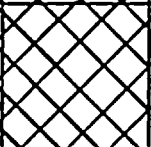
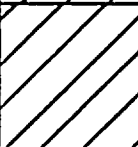
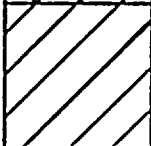
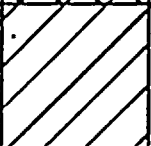

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |   |  |
|---------------------|--------|---|---|--|
|                     |        | High  | Medium  | Low  |
| Potential For Error | High   |  |  |  |
|                     | Medium |  |  |  |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 5.1-53

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

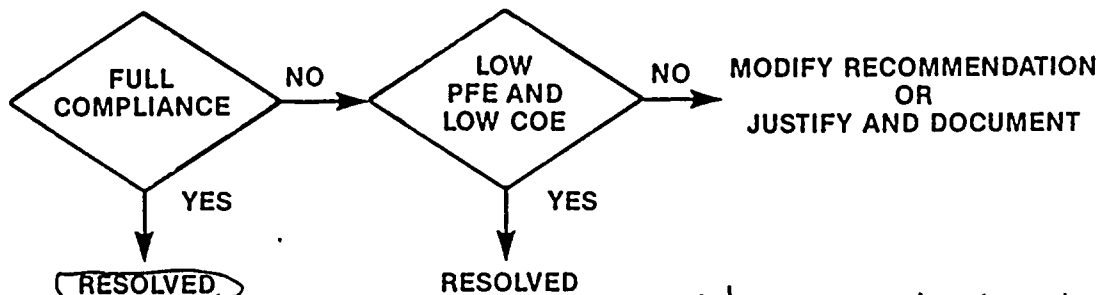
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Plant maintenance will investigate too dim lights for correction. Ground detector bulbs glow in proportion to amount of current. These only need to be seen when glowing brightly, should be dim normally. There is an administrative procedure by which operators walk boards to check for loose bulbs.

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 1/3/86

AEPSC PROGRAM LEAD ENGINEER

[Signature]

DATE 1/19/86



CLO/HED# 5.1-54

6.5.3.1d

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

## Consequence Of Error

High

Medium

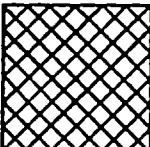
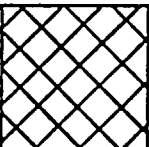
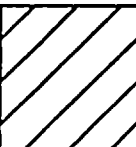
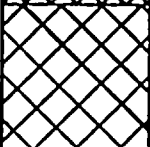
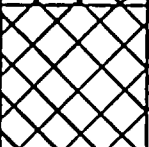

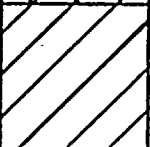
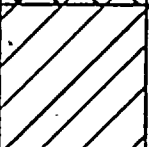

Low

Potential For Error

High

Medium

Low

|        |   |   |  |
|--------|---|---|--|
|        | High  | Medium  | Low  |
| High   |  |  |  |
| Medium |  |  |  |
| Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# 5.1-54

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED☐ PARTIALLY APPROVED☒ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

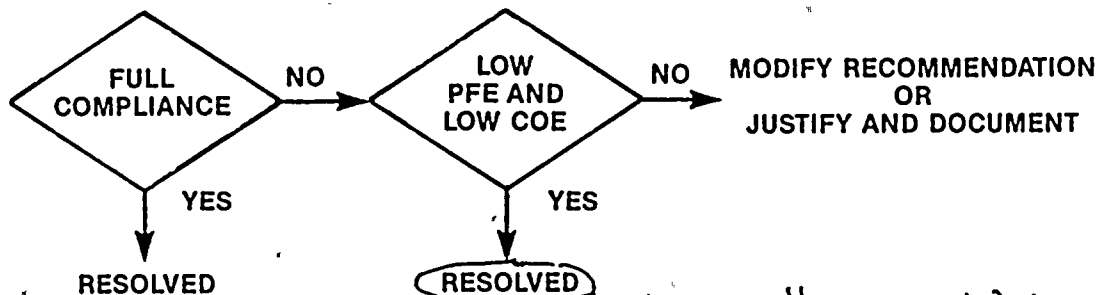
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION First item listed is a light for the Oil Heater which indicates heater is on. This is not an unfavorable status. The remainder of the status lights listed are alarmed on the annunciator system.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 1/3/86DATE 1/1/86



CLO/HED# 6.1-1

Criterion A: 6.6.1.1.  
6.6.3.5.  
6.6.3.2.6 & c.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW  
CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

|                     |        | Consequence Of Error |        |     |
|---------------------|--------|----------------------|--------|-----|
|                     |        | High                 | Medium | Low |
| Potential For Error | High   |                      |        |     |
|                     | Medium |                      |        |     |
|                     | Low    |                      |        |     |

- Category I -- High priority; corrective action should be taken.
- Category II -- Medium priority; corrective action is highly recommended.
- Category III -- Low priority; corrective action is recommended.
- Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II



CLO/HED#

6-1-1

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY☐ FURTHER REVIEW BY☐ FURTHER REVIEW BY

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

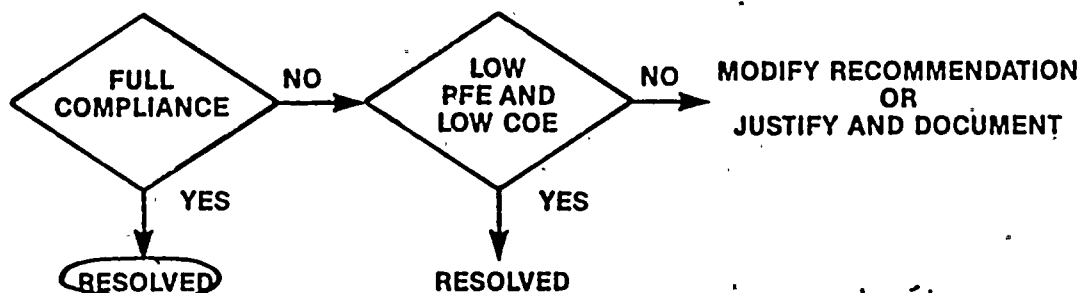
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPS SC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

TJ. Voss

DATE

11/18/85

AEPS SC PROGRAM LEAD ENGINEER

RFS

DATE

1/19/86

CLO/HED# 6.1-2

Classification #: 6.6.2.1.c.  
6.6.2.4.c.  
6.6.3.5.c.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

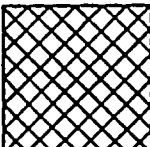
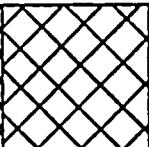


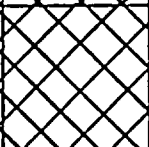

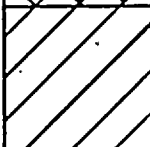
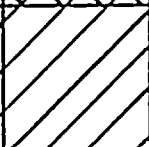

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 61-2

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

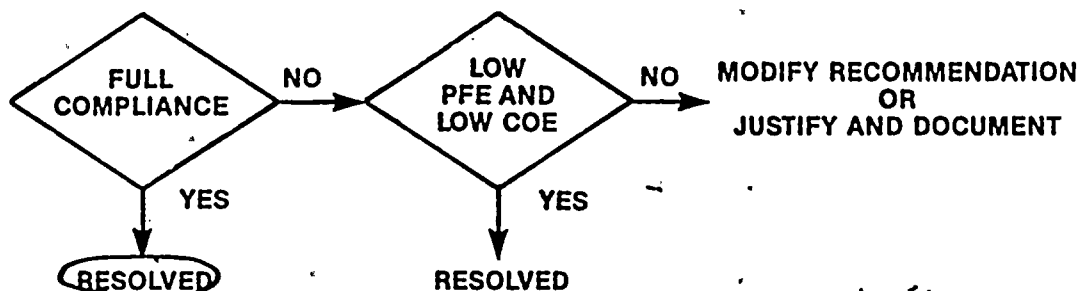
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPS SC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. J. VossDATE 11/18/85

AEPS SC PROGRAM LEAD ENGINEER

RFSDATE 11/19/86





CLO/HED# 6.1-3

Correction # 6.6.3.1.a.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

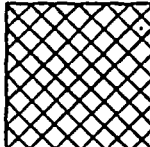
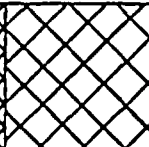

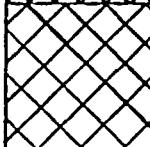
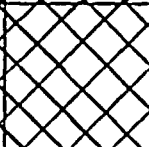

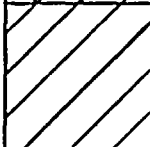
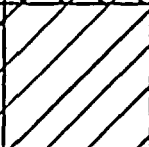

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED#

61-3.

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

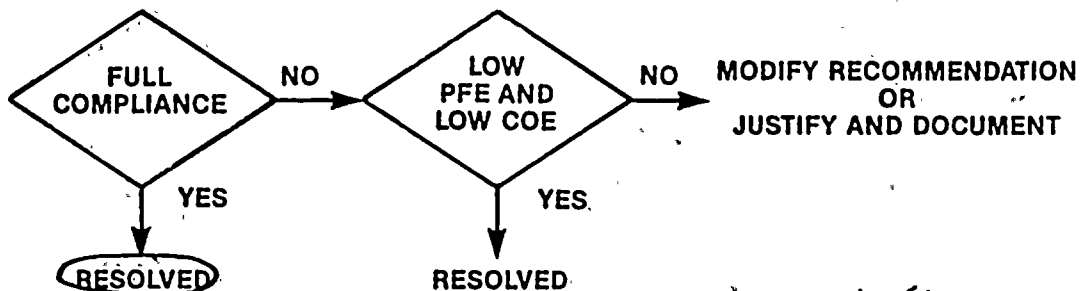
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPSA has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. J. VossDATE 11/18/85

AEPSA PROGRAM LEAD ENGINEER

RFSDATE 11/19/86

CLO/HED# 6.1-4

Continuation #: 6.6.3.2.a.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

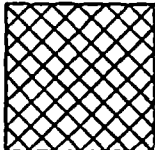
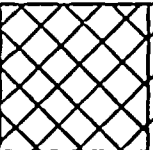

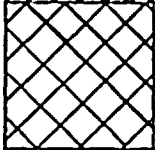
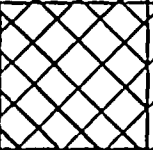

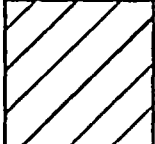
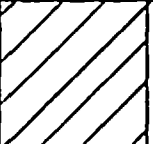

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED#

6.1-4

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

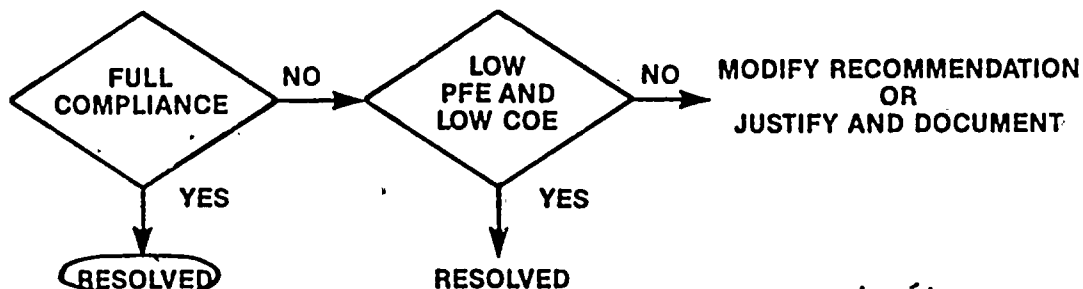
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. J. VossDATE 11/18/85

AEPSC PROGRAM LEAD ENGINEER

RFSDATE 11/1986



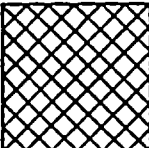
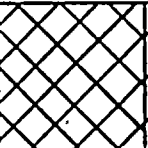

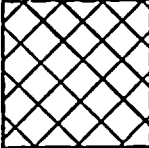
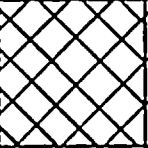

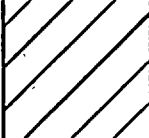

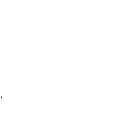


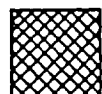
CLO/HED# 6.1-5

Citation #: 6.5.1.6.C(1) & (2)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)      HIGH      MEDIUM      LOW  
CONSEQUENCE OF ERROR (COE)      HIGH      MEDIUM      LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



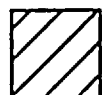
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 6.1-5

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

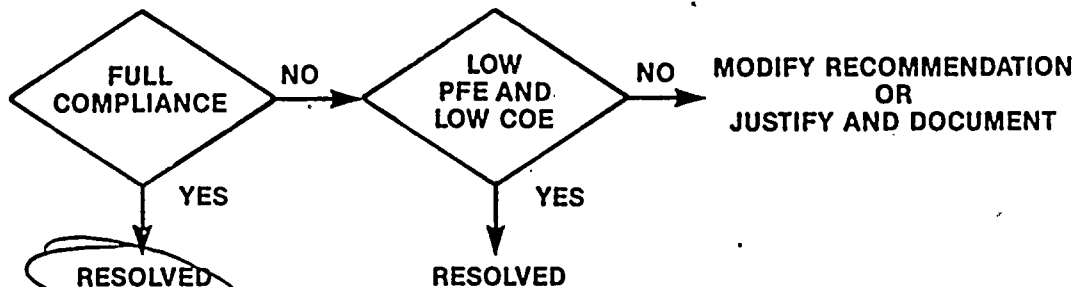
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Unconventional color coding used on indicators. A study will be performed of color coding used throughout both control rooms to match colors with appropriate uscoe/mean. To be included as part of labeling, demarcation, & mimic study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

11/18/85

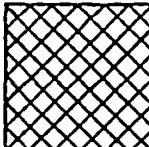
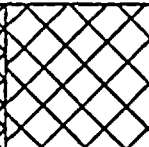

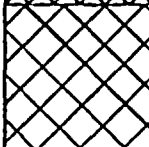
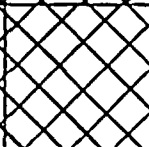

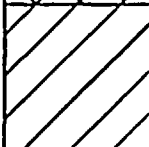
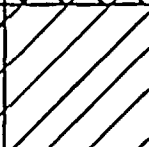

11/19/86

CLO/HED# 6.1-6

Collection #: 6.6.3.2.d.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW  
CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

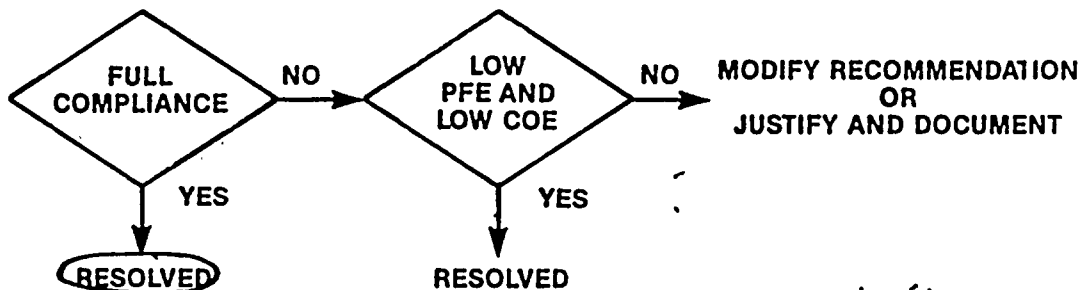
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. J. VossDATE 11/18/85

AEPSC PROGRAM LEAD ENGINEER

RFSDATE 11/19/86

CLO/HED# 6.1-7

revision # 6.6.3.1.a.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

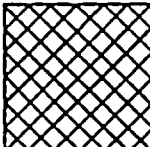
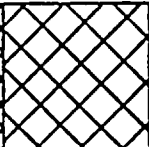
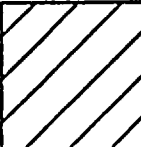
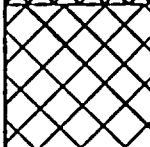
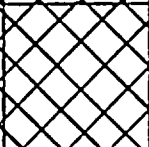

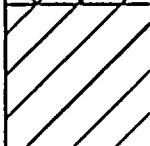
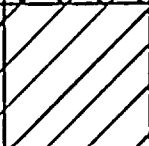

LOW

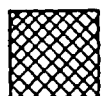
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



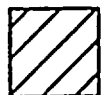
Category I --

High priority; corrective action should be taken.



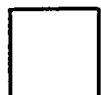
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

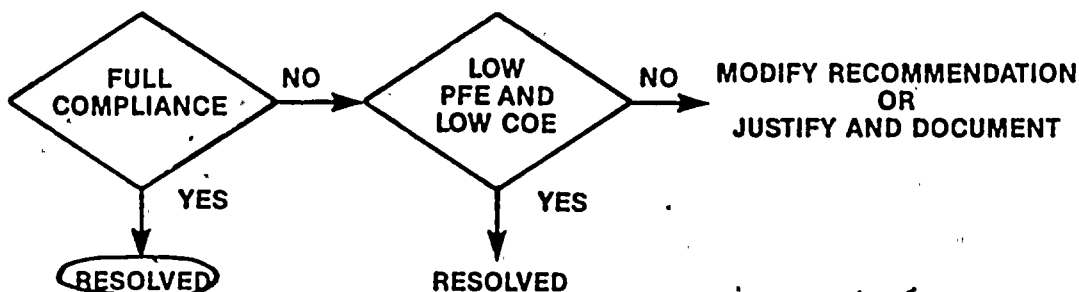
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION AEPS C has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPS C PROGRAM LEAD ENGINEER

DATE 11/18/85DATE 11/1986



CLO/HED# 6.1-8

Revision #: 6.6.1.1.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

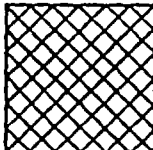
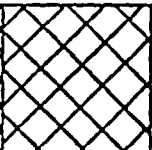

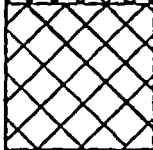
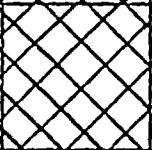


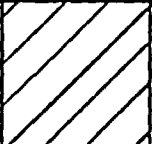

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

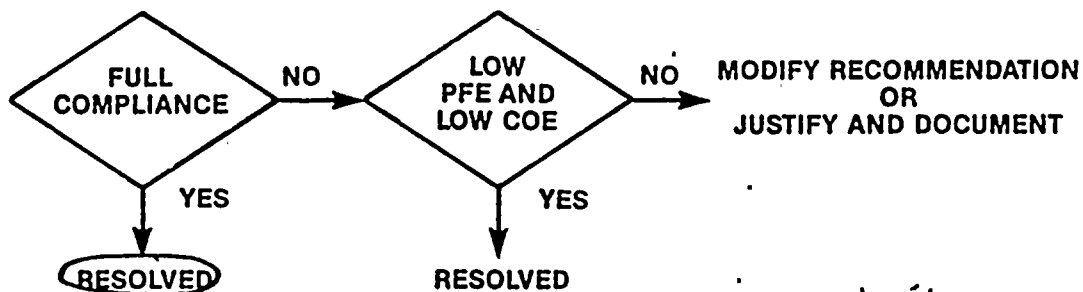
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPSA has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. J. VossDATE 11/18/85

AEPSA PROGRAM LEAD ENGINEER

RFSDATE 11/19/86

CLO/HED# 6.1-9

revision #. 6.6.1.1.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

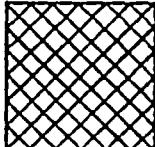
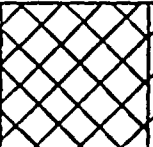

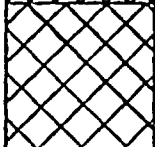
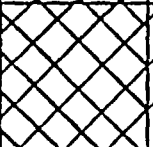

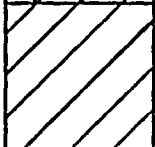
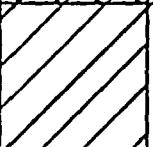

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

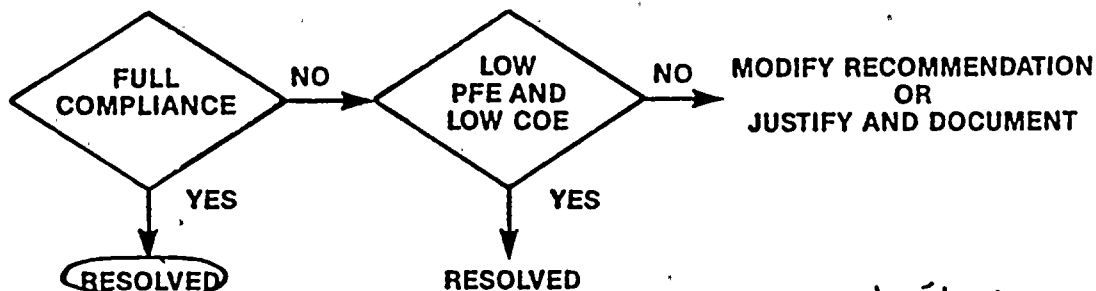
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPSA has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. J. VossDATE 11/18/85

AEPSA PROGRAM LEAD ENGINEER

RFSDATE 11/1986

CLO/HED# 6.1-10

Correction # 6.6-1.1.

6.6-3.3.b.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

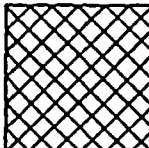
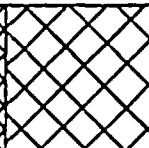
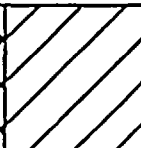
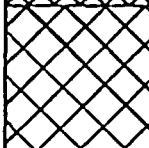
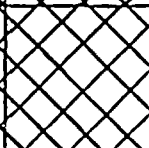

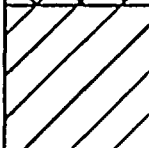

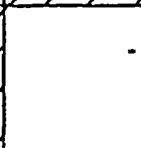
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III





## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

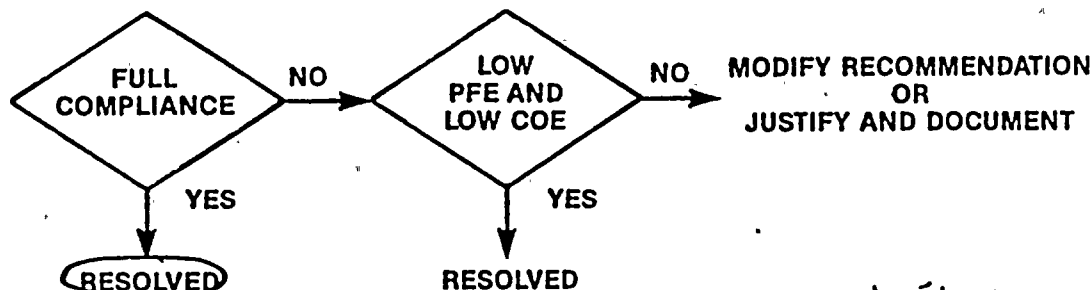
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPS SC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T

AEPS SC PROGRAM LEAD ENGINEER

RFS

DATE

11/18/85

DATE

11/18/86



CLO/HED# 6.1.11

revision #: 6.6.1.2.a.4)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

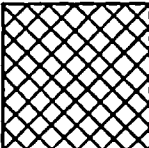
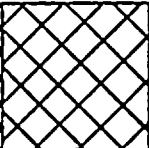

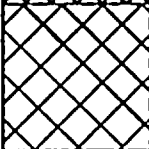
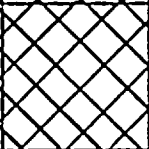

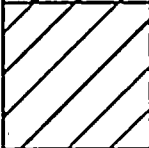
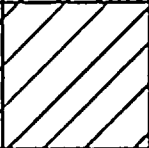

Low

Potential For Error

High

Medium

Low

|        | High   | Medium   | Low   |
|--------|--|--|---|
| High   |   |   |   |
| Medium |   |   |   |
| Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# (6.1-11)

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED    ☐ PARTIALLY APPROVED    ☐ NO ACTION    ☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

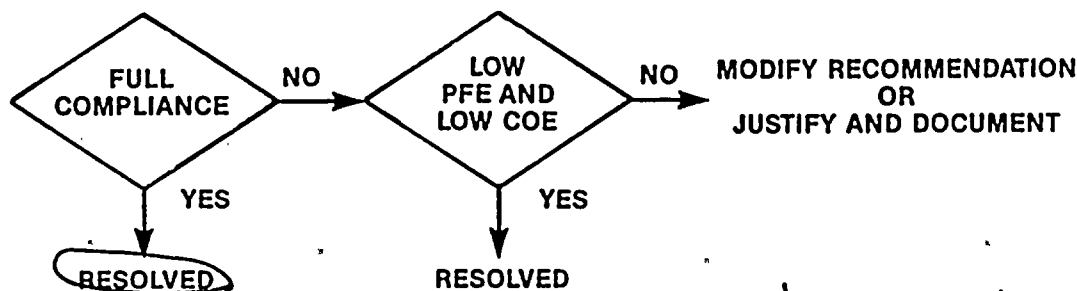
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Major systems/work  
stations will be labeled as part of CR relabeling,  
demarkation and mimic study.

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

4/29/85

DATE

1/18/86

CLO/HED# 6.1-12

Revision #: 6.6.1.2.0.2.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

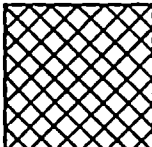
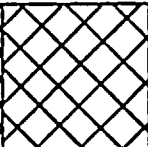
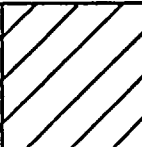
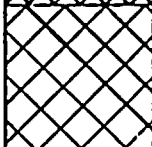
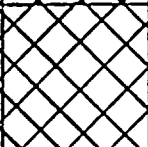
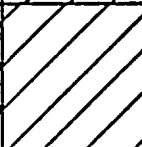
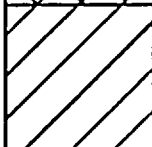
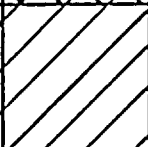

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 6.1-12

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

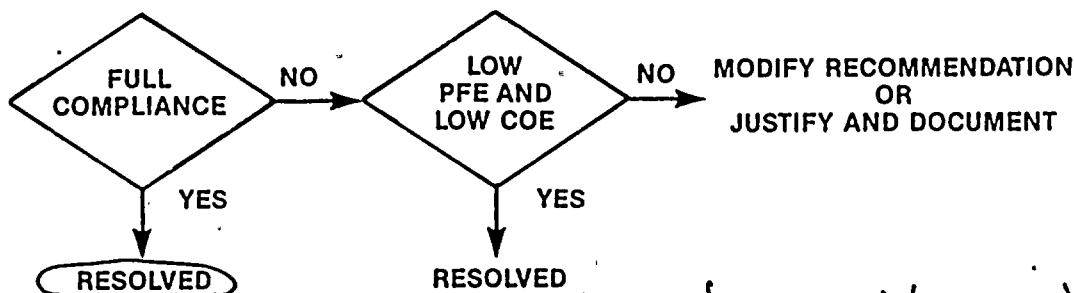
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

- ☒ APPROVED    ☐ PARTIALLY APPROVED    ☐ NO ACTION    ☐ OTHER

### EVALUATION

|                                 |      |            |     |
|---------------------------------|------|------------|-----|
| FULL COMPLIANCE WITH GUIDELINES | NO   | <u>YES</u> |     |
| POTENTIAL FOR ERROR (PFE)       | HIGH | MEDIUM     | LOW |
| CONSEQUENCE OF ERROR (COE)      | HIGH | MEDIUM     | LOW |



EXPLANATION OR JUSTIFICATION Subsystems and/or functional groups will be labeled, as appropriate, as part of overall CR relabeling, demarcation, and minic study.

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 4/29/85

DATE 1/18/86



CLO/HED# 6.1.13

6.6.1.2.b.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

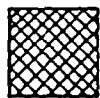
Low

Potential For Error

High

Medium

Low



Category I --

High priority; corrective action should be taken.



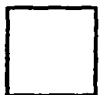
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 6.1-13

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED    ☐ PARTIALLY APPROVED    ☐ NO ACTION    ☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

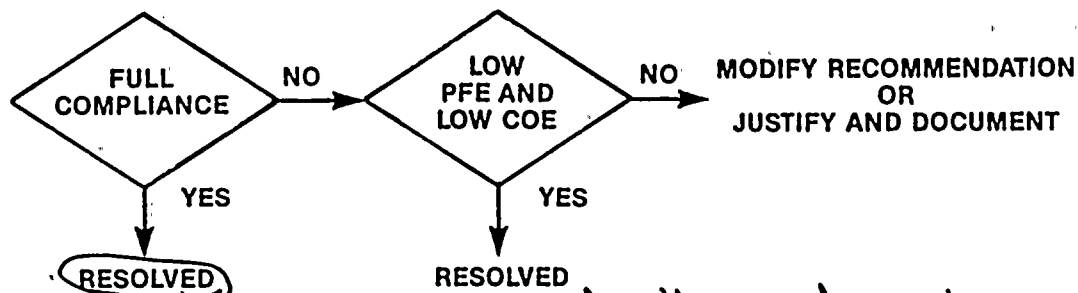
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Label letters and numbers will be resized according to guideline recommendations (part of CR relabeling effort). Include in labeling, demarcation, and mimic study.

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 4/29/85

DATE 1/18/86

CLO/HED# 6.1-14

Revision #: 6.6.2.1.a, b

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

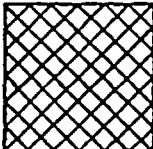
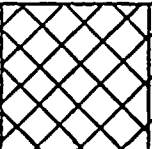

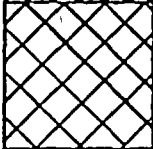
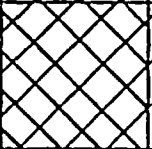


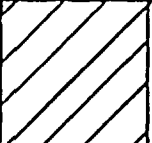

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

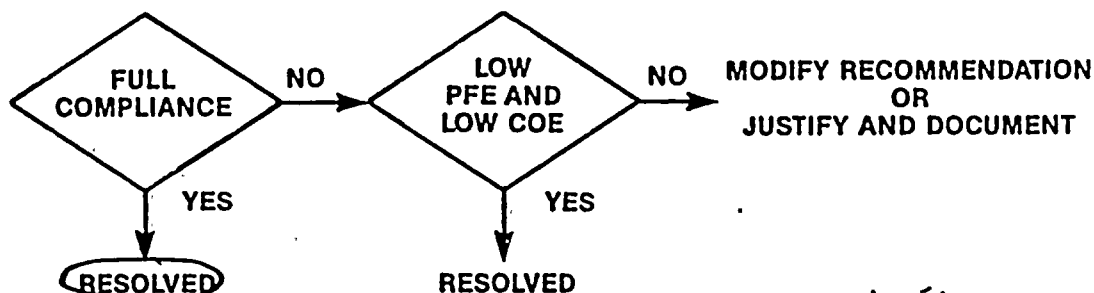
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPSA has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study, labels will be placed

above panel elements if space permits and unless, labels would be more difficult to see because of height of components.

H.F. CONSULTANT (ESSEX)

T. J. Voss

DATE

11/18/85

AEPSA PROGRAM LEAD ENGINEER

RFS

DATE

11/18/86



CLO/HED# 6.1-15

Commission # 6.6.2.1.8.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

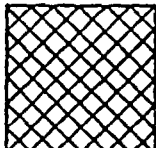
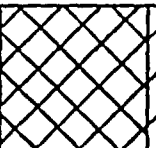

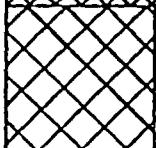


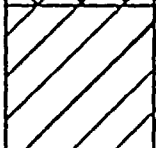
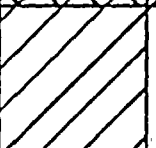

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III





## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

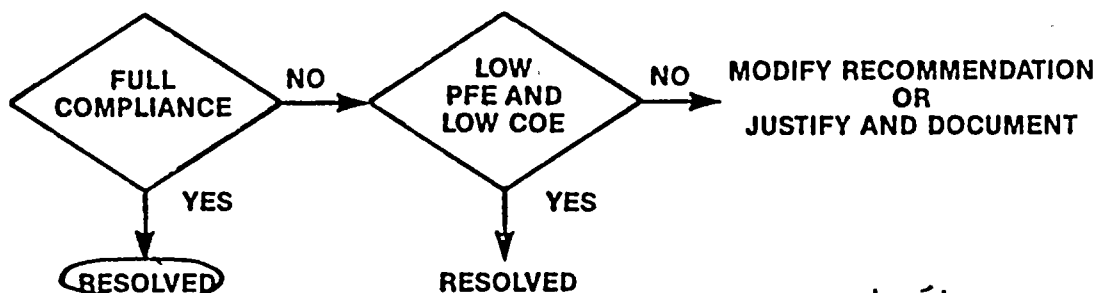
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPSA has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. VossDATE 11/18/85

AEPSA PROGRAM LEAD ENGINEER

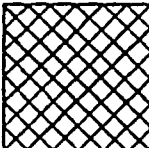
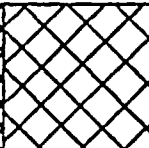

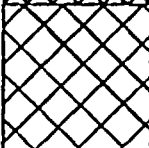
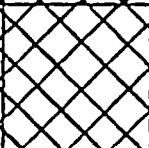

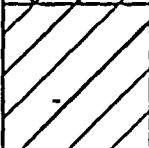
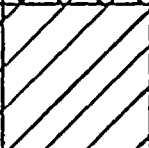

R.F.S.DATE 11/18/86

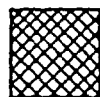
CLO/HED# 6.1-16

Revision #: 6.6.2.2. a.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW  
CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 6.1-16

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

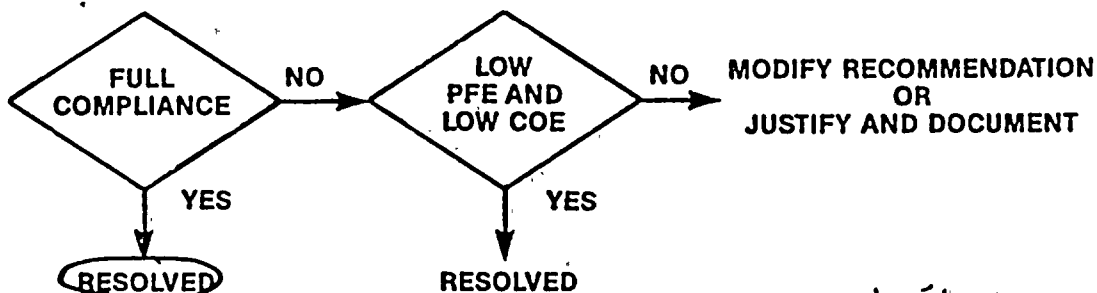
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPSIC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T

DATE

11/18/85

AEPSIC PROGRAM LEAD ENGINEER

RFS

DATE

11/18/86

CLO/HED# 6.1-17

Revision #: 6.6.2.3.b.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

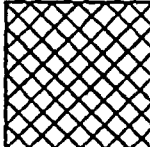
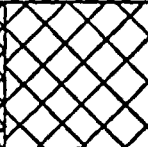

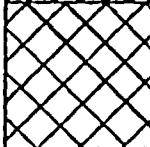
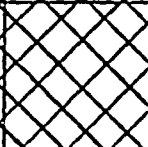
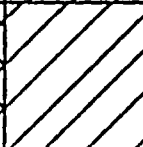
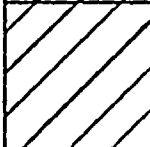
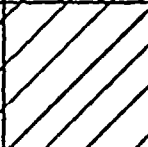

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY





## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED☐ PARTIALLY APPROVED☒ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

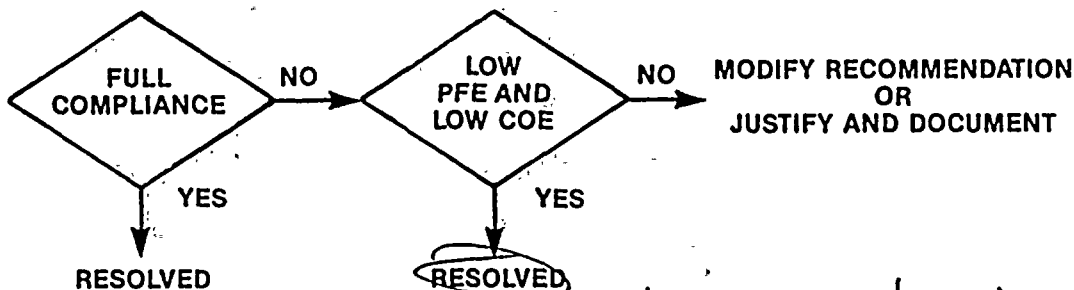
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

All labeling in question is easily read and most of this nature would be very difficult to change without ordering new components or component scale faces and escutcheons. All were carefully reviewed to ensure they could be read easily.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

11/8/85

11/8/86





CLO/HED# 6.1-18

Criterion# 6.6.2.4.b.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

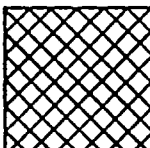
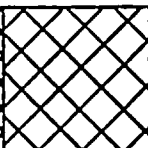
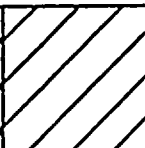
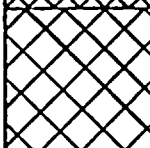
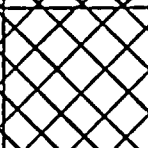
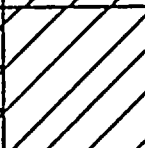
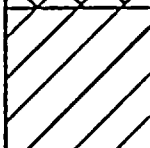
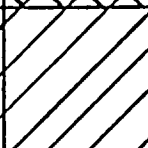

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

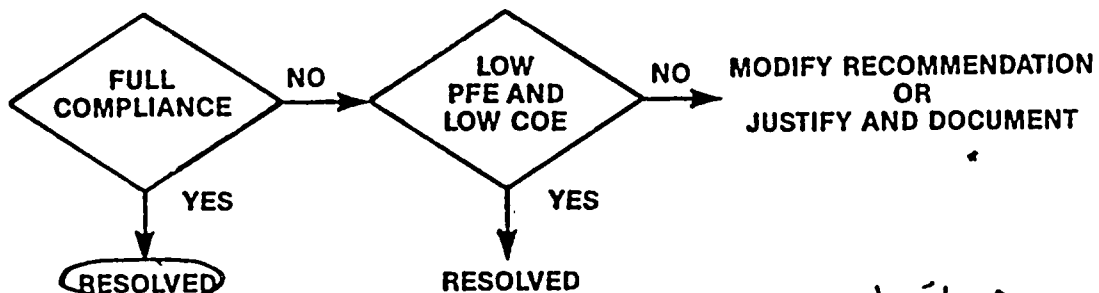
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T

DATE

11/18/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE

11/18/86

CLO/HED# 6.1-19

Collection #: 6.6.2.4.b.  
6.6.2.1.e.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

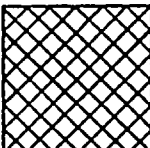
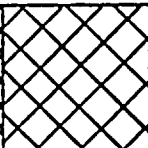
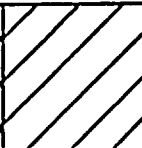
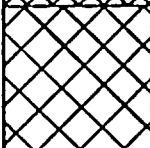
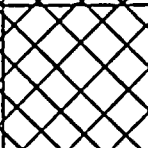

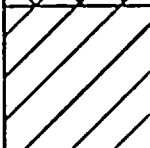


LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

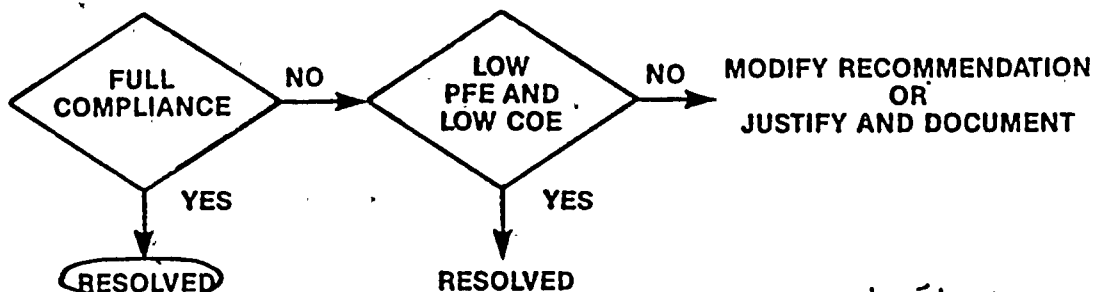
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPS C has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

TVoss

DATE

11/18/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE

11/18/86



CLO/HED# 6.1-20

Revision #: 6.63.2.c.

6.4.3.3 b.4

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

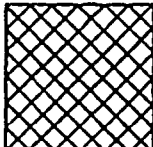
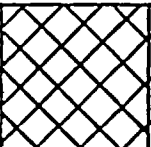
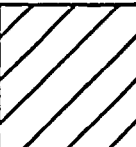
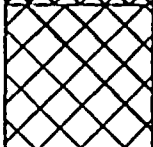
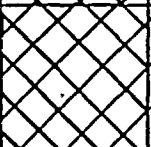

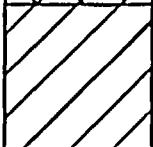
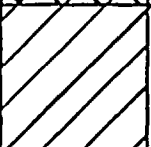

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION..☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

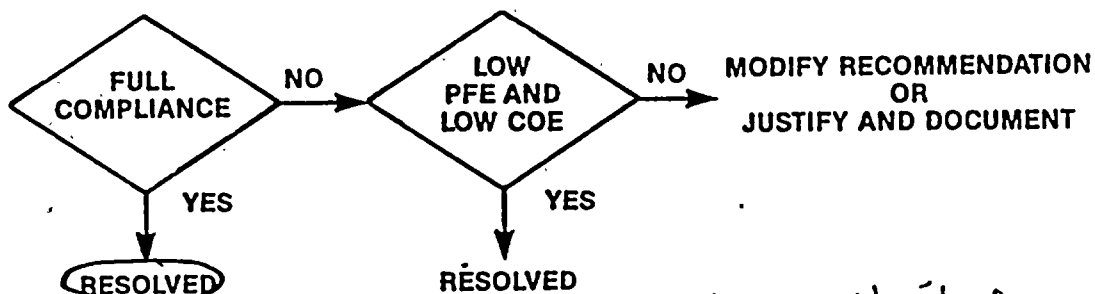
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION AEPS C has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPS C PROGRAM LEAD ENGINEER

DATE 11/18/85DATE 11/18/86

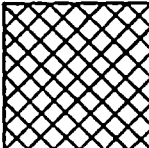
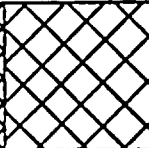
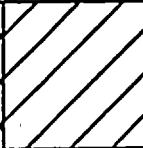
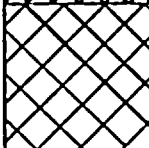
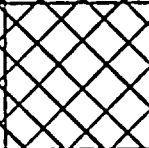
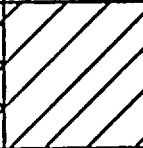
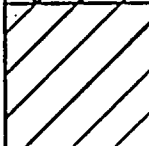




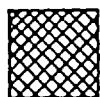
CLO/HED# 6.1-21

Classification: 6.6.3.3.b.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)      HIGH      MEDIUM      LOW  
CONSEQUENCE OF ERROR (COE)      HIGH      MEDIUM      LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

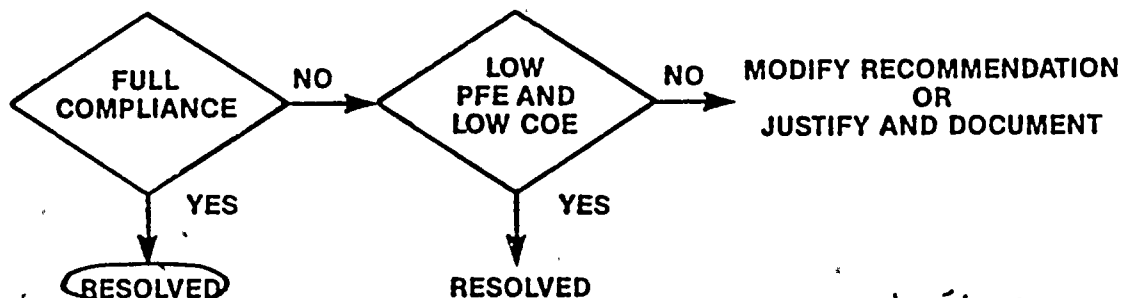
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. VossDATE 11/18/85

AEPSC PROGRAM LEAD ENGINEER

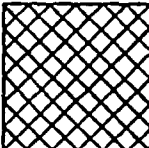
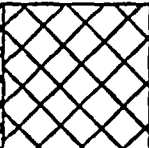
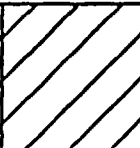
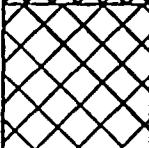
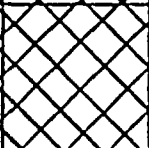

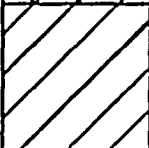
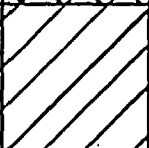

RFSDATE 11/18/86

CLO/HED# 6.1-22

Revision #: 6.6.3.4.d.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW  
CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

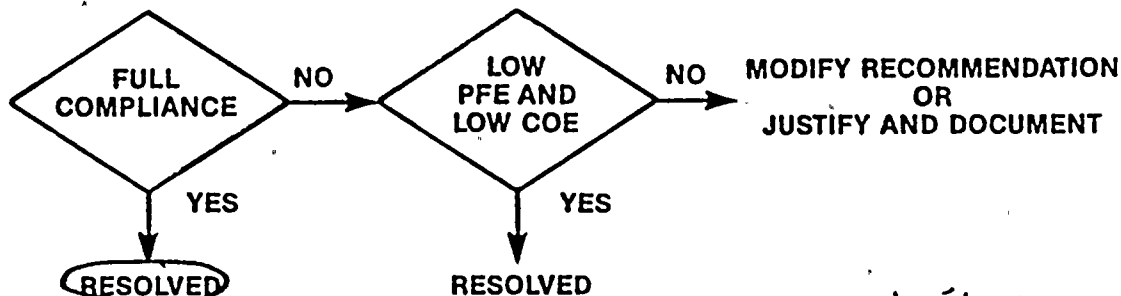
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPS C has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T

DATE

11/18/85

AEPS C PROGRAM LEAD ENGINEER

RFS

DATE

11/18/86

CLO/HED# 6.1-23

Citation # 6.6.3.8.a.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

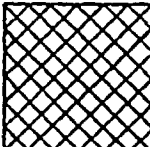
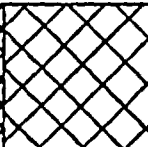
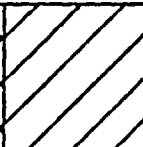
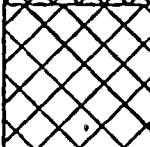
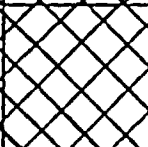

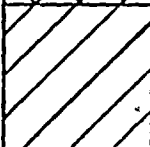
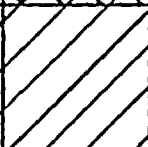

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

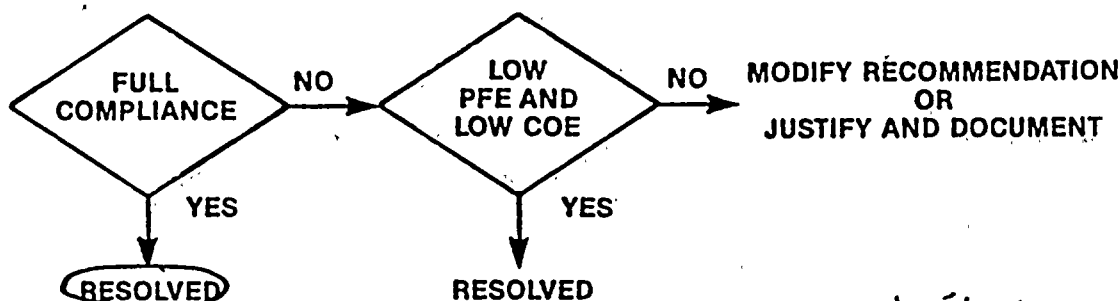
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPSA has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. Voss

DATE

11/18/85

AEPSA PROGRAM LEAD ENGINEER

RAS

DATE

11/18/86

CLO/HED# G-1-24

Revision #

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

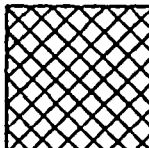
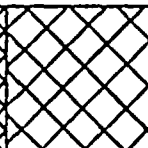
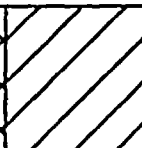
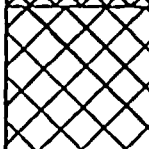

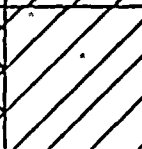
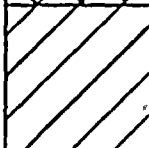
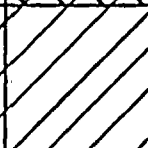
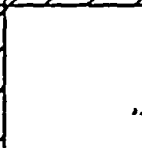
Low

Potential For Error

High

Medium

Low

|        |  |  |   |
|--------|--|--|---|
|        | High   | Medium   | Low   |
| High   |   |   |   |
| Medium |   |   |   |
| Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

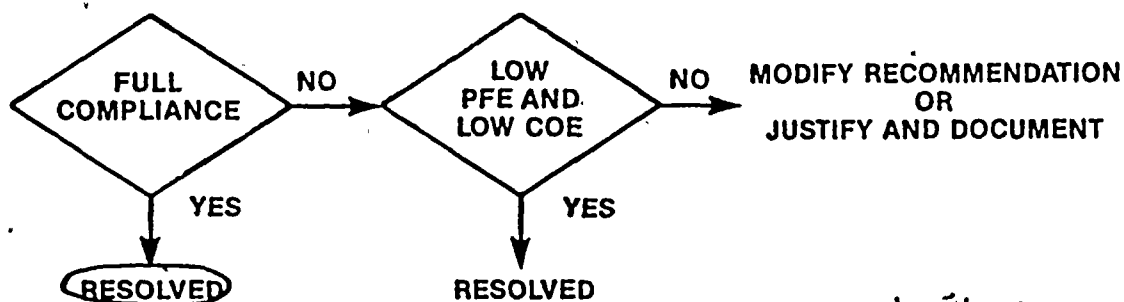
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPS SC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T

DATE

11/18/85

AEPS SC PROGRAM LEAD ENGINEER

RFS

DATE

11/18/86



CLO/HED#

6.1-25

Mission #:

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

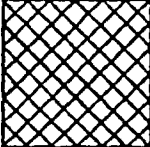


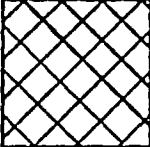





Low

Potential For Error

High

Medium

Low

|        |  |  |   |
|--------|--|--|---|
|        | High   | Medium   | Low   |
| High   |   |   |   |
| Medium |   |   |   |
| Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

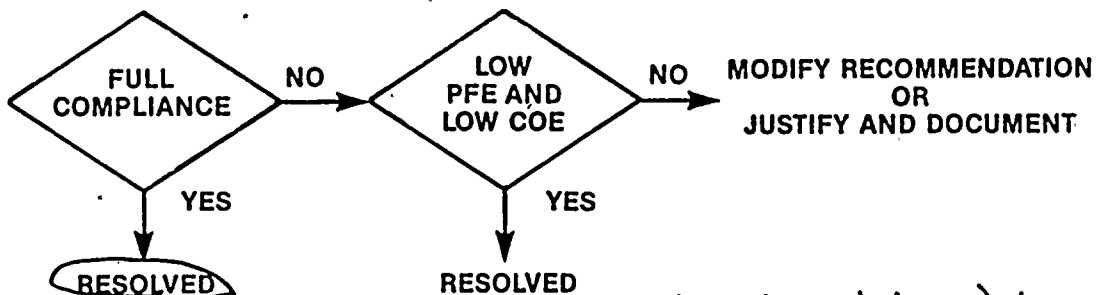
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Character heights will be the same for all labels within the same hierarchical level, space permitting. Included as part of labeling demarcation, and mimic study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 4/29/85

DATE 1/1/86



CLO/HED# 6.1-26

Classification: 6.6.4.1.b.(1)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

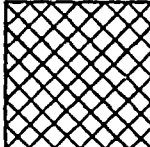
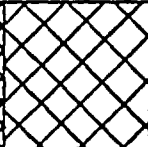
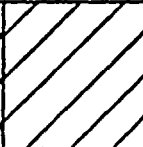
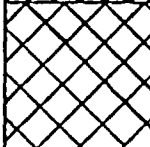
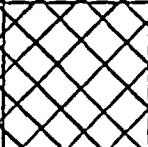
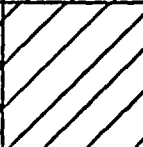
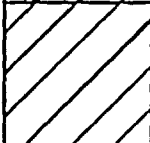


LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 6.1-26

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

- ☐ APPROVED ☒ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

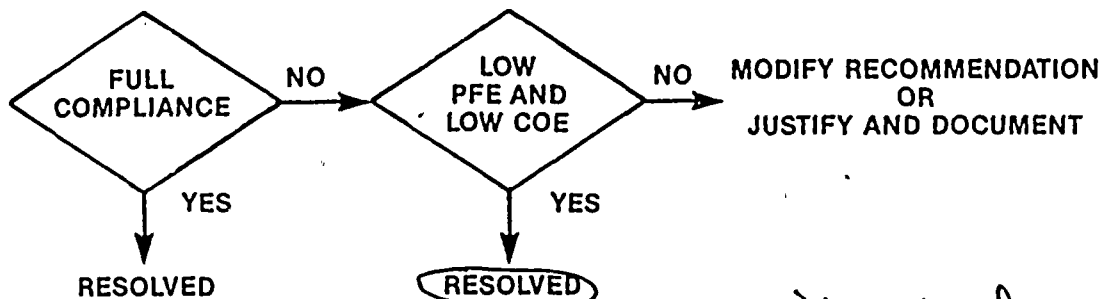
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AE PSC will relabel the control room, but is going to continue the use of black labels with white characters as is the convention for all their plants. Characters will be filled flush to prevent accumulation of dirt. The label material purchased is more readable and is not likely to fill with dirt on vertical panels.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AE PSC PROGRAM LEAD ENGINEER

DATE

DATE

4/1/85

11/18/86



CLOTHED# 6.1-27

Criterion #: 6.6.4.2.a.(1)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

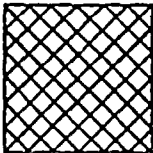
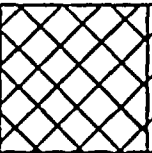

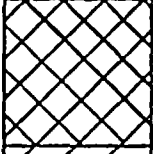
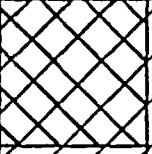




Low

Potential For Error

High

Medium

Low

|        |  |  |   |
|--------|--|--|---|
|        | High   | Medium   | Low   |
| High   |   |   |   |
| Medium |   |   |   |
| Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

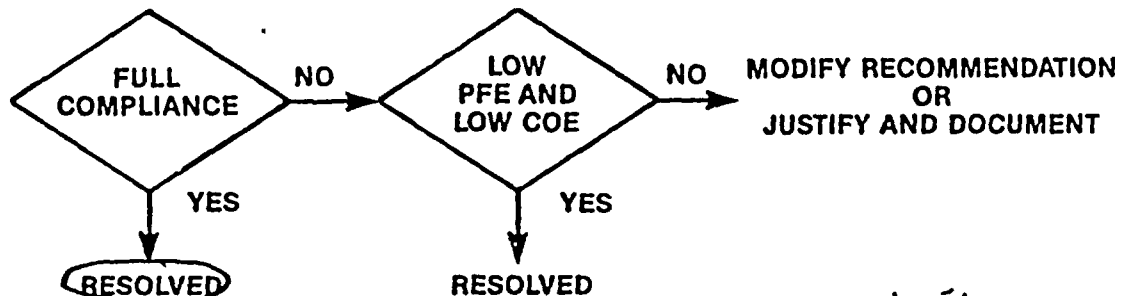
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. Voss

DATE

11/18/85

AEPSC PROGRAM LEAD ENGINEER

RES

DATE

11/18/86

CLOTHED# 6.1-28

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

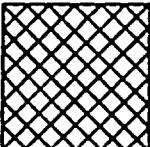
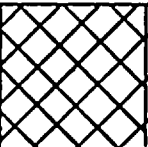
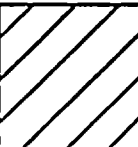
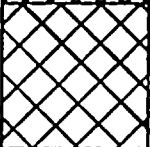
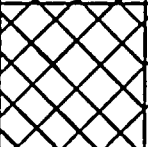

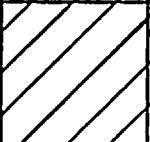
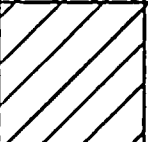

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# 6.1-28

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED☐ PARTIALLY APPROVED☒ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

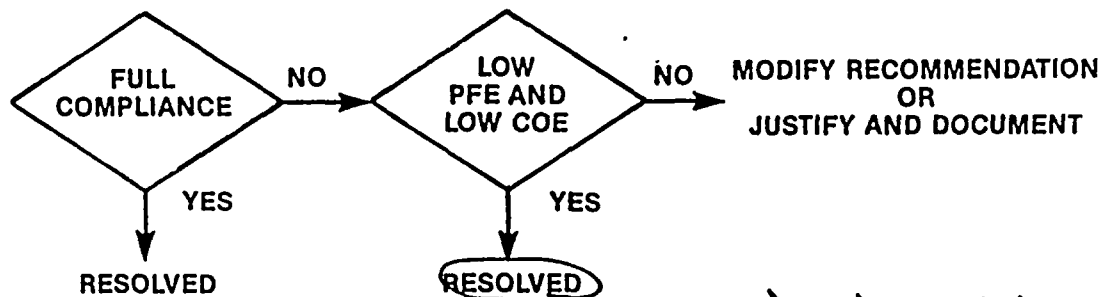
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION On RTR panel that depicted is not a true mimic, lines merely indicate interconnectedness, there is no actual flow. Also, on electric mimics flow can go in either direction, so direction of flow lines are not appropriate.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 11/15/85DATE 11/18/86

CLO/HED# 6.1-29

conclusion #: 6.6.5.1.a.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

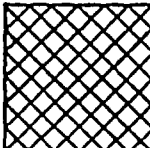
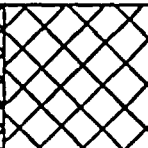
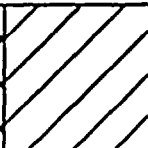
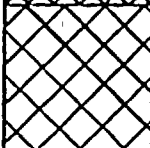
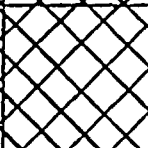
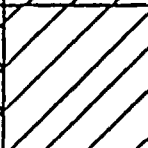
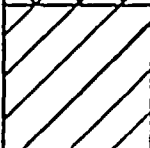

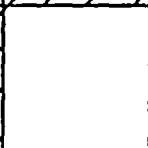
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |   |  |
|---------------------|--------|---|---|--|
|                     |        | High  | Medium  | Low  |
| Potential For Error | High   |  |  |  |
|                     | Medium |  |  |  |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

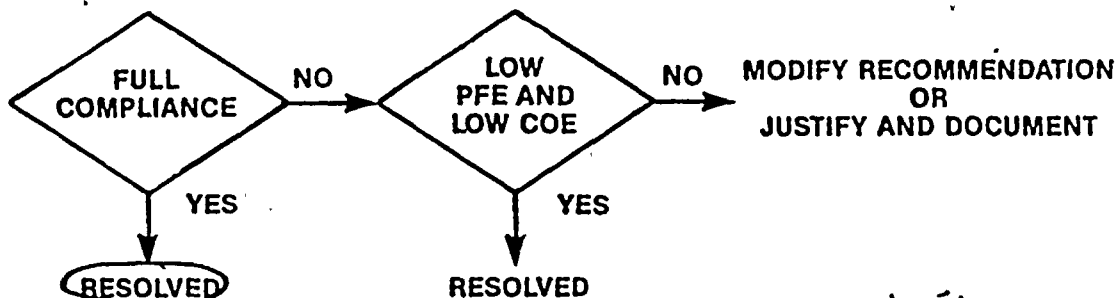
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPS SC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. VossDATE 11/18/85

AEPSC PROGRAM LEAD ENGINEER

RFSDATE 11/18/86



CLO/HED# 6.1-30

Collection #: 6.6.5.1.b

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

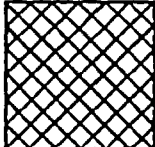
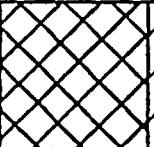

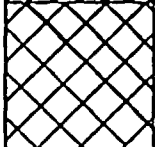
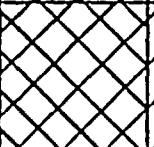

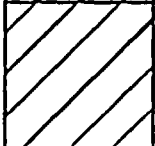
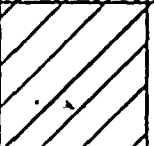

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |   |  |
|---------------------|--------|---|---|--|
|                     |        | High  | Medium  | Low  |
| Potential For Error | High   |  |  |  |
|                     | Medium |  |  |  |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

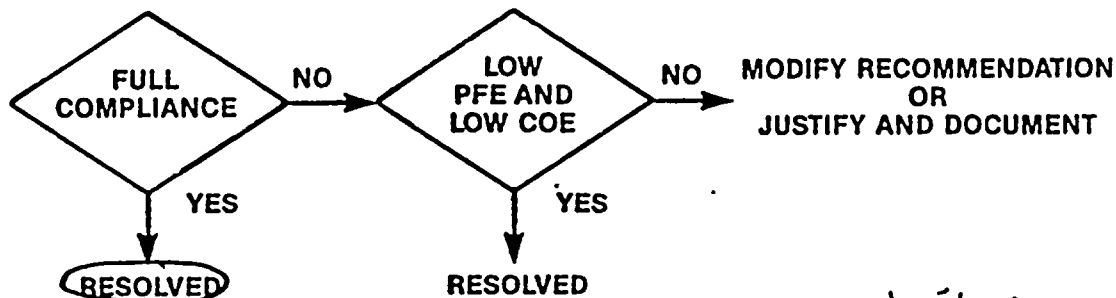
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPSA has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. Voss

DATE

11/18/85

AEPSA PROGRAM LEAD ENGINEER

RFS

DATE

11/18/86

CLO/HED# 6.1-31

Collection #: 6.6.5.1.e.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

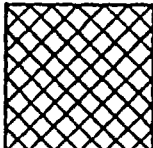
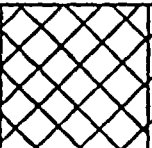

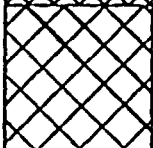
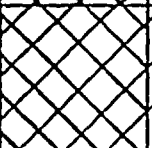

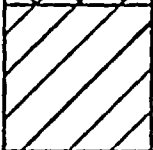
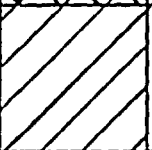

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |   |  |
|---------------------|--------|---|---|--|
|                     |        | High  | Medium  | Low  |
| Potential For Error | High   |  |  |  |
|                     | Medium |  |  |  |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED# 6.1-31

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

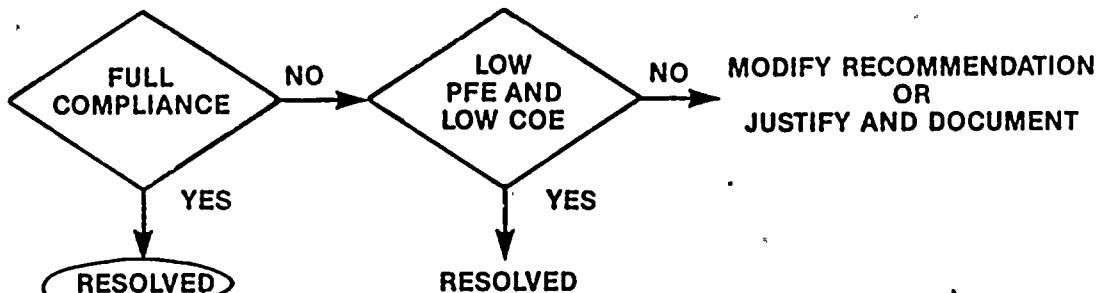
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Administrative controls are now in place and will be enforced to ensure secure attachment of tags

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 11/26/85

DATE 11/18/86



ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

CONSEQUENCE OF ERROR (COE)

HIGH

HIGH

MEDIUM

MEDIUM

LOW

LOW

Consequence Of Error

HighMediumLow

High

Medium

Low

High

Medium


Low


Potential For Error


High


Medium

Low

Category I -- High priority; corrective action should be taken.

Category II -- Medium priority; corrective action is highly recommended.

Category III -- Low priority; corrective action is recommended.

Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 6.1-32

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

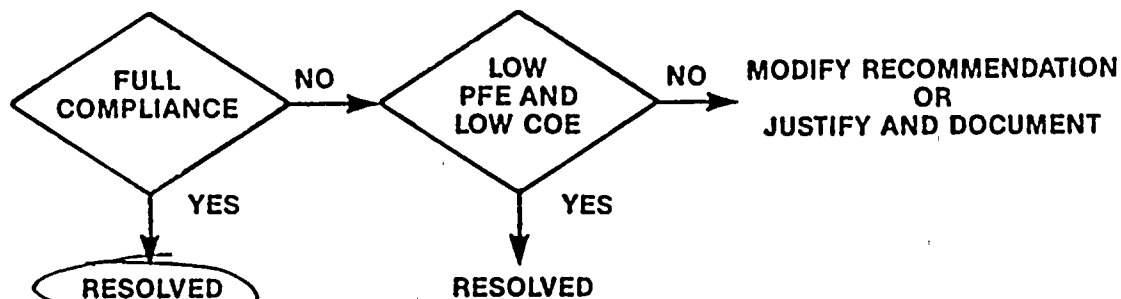
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Tag-outs sometimes obscure adjacent devices or their associated labels. Tags now made smaller with instructions on installation provided. To prevent obscuring, the method of securing tags was changed so they do not hang down as far as before.

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 11/26/85

DATE 11/18/86



CLO/HED# 6.1-33

Revision F: 6.6.2.a.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

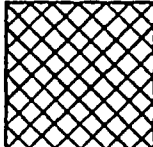
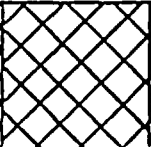
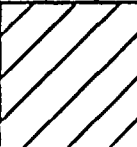
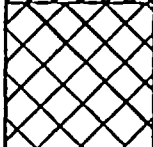
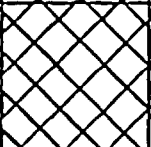
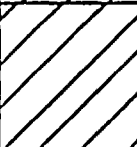
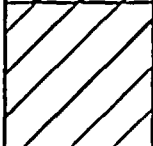
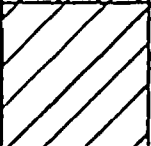

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |   |  |
|---------------------|--------|---|---|--|
|                     |        | High  | Medium  | Low  |
| Potential For Error | High   |  |  |  |
|                     | Medium |  |  |  |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 6.1-33

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

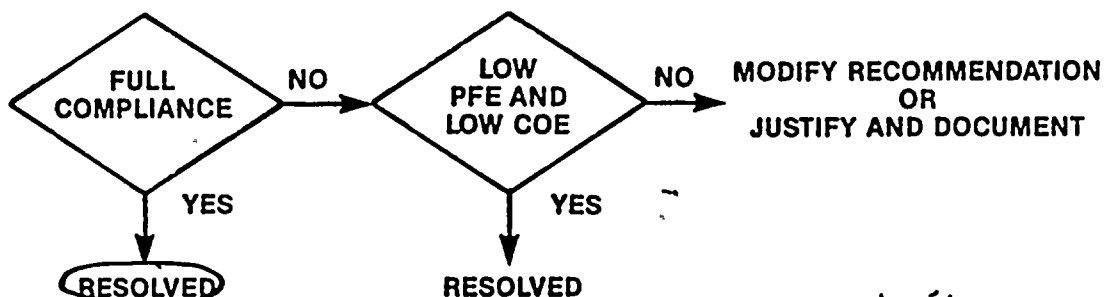
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. J. Voss

DATE 11/18/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE 11/18/86



CLO/HED# 6.1-34 ( )

Revision #: 6.6.6.4.a.(1)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

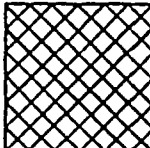
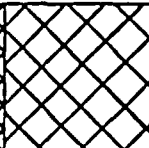

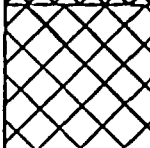
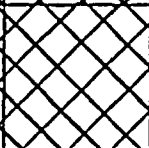

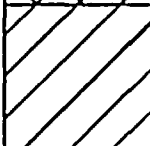
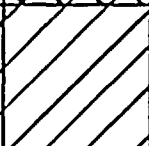

LOW

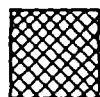
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |   |  |
|---------------------|--------|---|---|--|
|                     |        | High  | Medium  | Low  |
| Potential For Error | High   |  |  |  |
|                     | Medium |  |  |  |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 6.1-34.

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

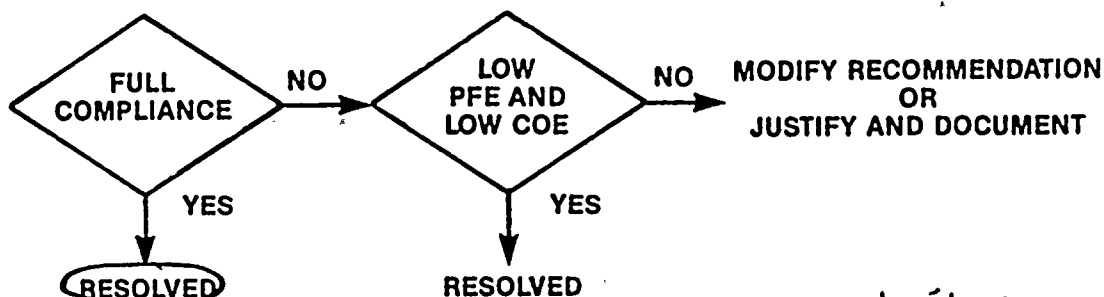
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study; electrical mimics will be one color with voltage printed on lines.

SIGNOFF

H.F. CONSULTANT (ESSEX)

T. J. Voss

DATE

11/18/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE

1/18/86





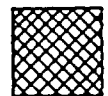
CLO/HED# 6.1-35 (

Collection #: 6.6-6.4.9.(2)

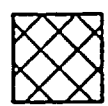
# ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW  
CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

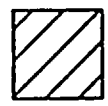
|                     |        | Consequence Of Error |        |     |
|---------------------|--------|----------------------|--------|-----|
|                     |        | High                 | Medium | Low |
| Potential For Error | High   |                      |        |     |
|                     | Medium |                      |        |     |
|                     | Low    |                      |        |     |



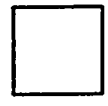
Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

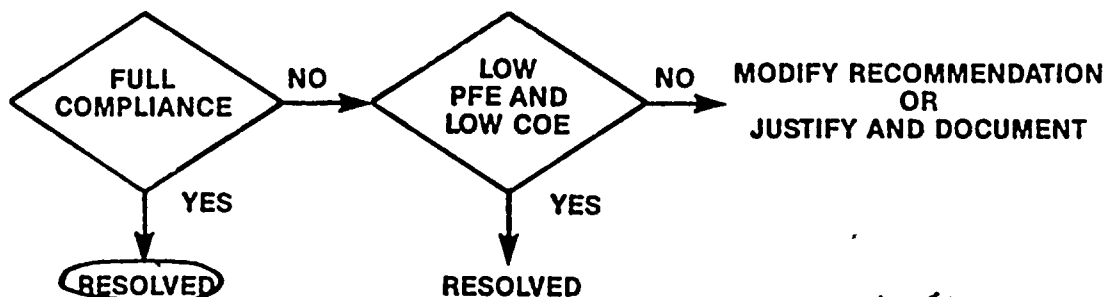
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPS SC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. J. VossDATE 11/18/85

AEPSC PROGRAM LEAD ENGINEER

RFSDATE 1/18/86

# ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

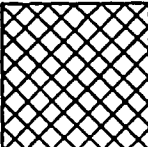
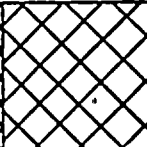
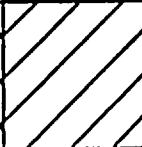
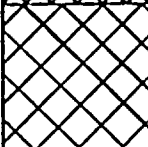
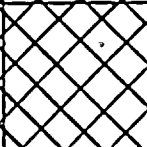

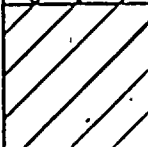

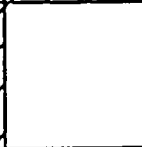
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |   |  |
|---------------------|--------|---|---|--|
|                     |        | High  | Medium  | Low  |
| Potential For Error | High   |  |  |  |
|                     | Medium |  |  |  |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 6.1-36

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

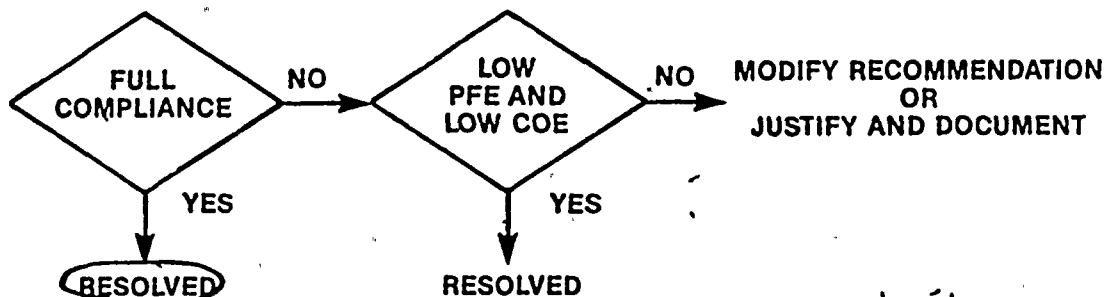
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPS SC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. J. Voss

DATE

11/18/85

AEPS SC PROGRAM LEAD ENGINEER

RFS

DATE

11/18/86

# ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

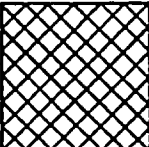
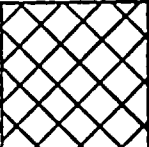
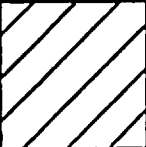
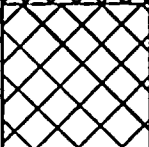
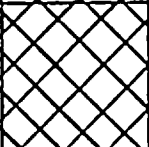
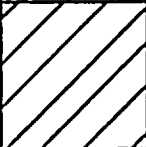
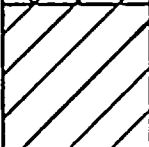
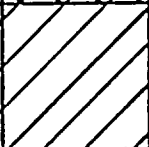

LOW

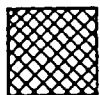
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |   |  |
|---------------------|--------|---|---|--|
|                     |        | High  | Medium  | Low  |
| Potential For Error | High   |  |  |  |
|                     | Medium |  |  |  |
|                     | Low    |  |  |  |



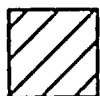
Category I --

High priority; corrective action should be taken.



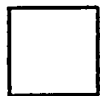
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II





## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

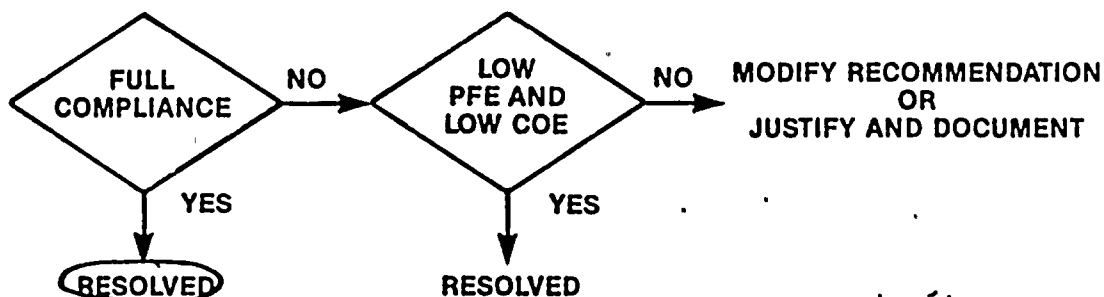
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPSA has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. VossDATE 11/18/85

AEPSA PROGRAM LEAD ENGINEER

RFSDATE 11/18/86

CLO/HED#.. 6.1.38

Correction #: 6.6.4.b.(1)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

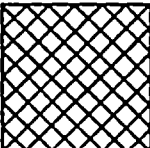
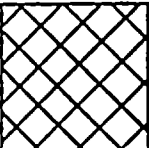
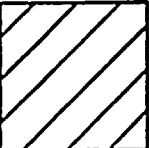
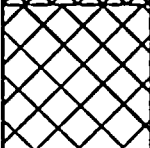
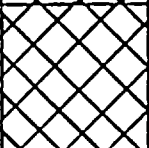
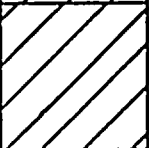
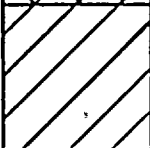
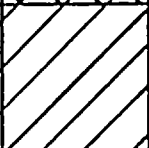
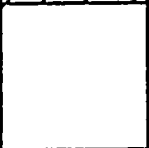




LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |   |  |
|---------------------|--------|---|---|--|
|                     |        | High  | Medium  | Low  |
| Potential For Error | High   |    |  |  |
|                     | Medium |    |  |  |
|                     | Low    |    |  |  |
|                     |        |  | Category I -- High priority; corrective action should be taken.                   |  |
|                     |        |  | Category II -- Medium priority; corrective action is highly recommended.          |  |
|                     |        |  | Category III -- Low priority; corrective action is recommended.                   |  |
|                     |        |  | Category IV -- No corrective action necessary, but should be considered.          |  |

ASSESSMENT CATEGORY

III

CLO/HED# 6.1-38.

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

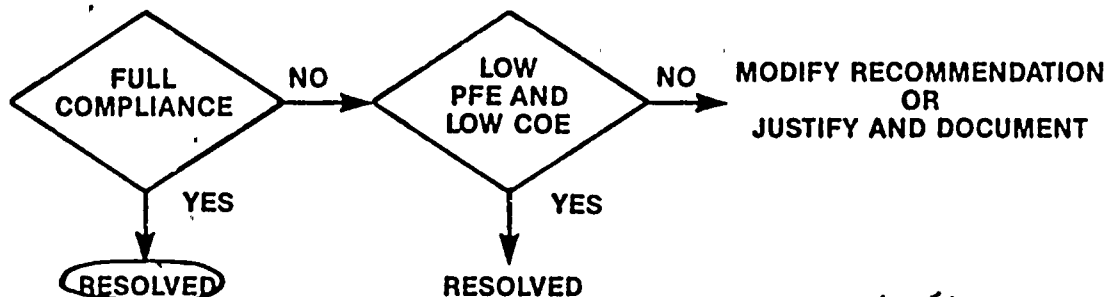
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED    ☐ PARTIALLY APPROVED    ☐ NO ACTION    ☐ OTHER

## EVALUATION

|                                 |      |            |     |
|---------------------------------|------|------------|-----|
| FULL COMPLIANCE WITH GUIDELINES | NO   | <u>YES</u> |     |
| POTENTIAL FOR ERROR (PFE)       | HIGH | MEDIUM     | LOW |
| CONSEQUENCE OF ERROR (COE)      | HIGH | MEDIUM     | LOW |



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX) T. J. Voss DATE 11/18/85  
AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/18/86

CLO/HED# 6.1-39

Correction #: 6.6.6.4.b.5.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

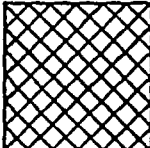
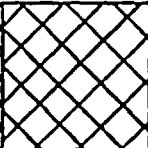
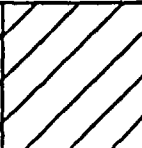
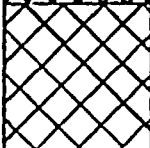
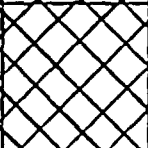


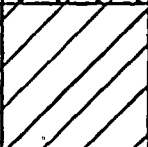

Low

Potential For Error

High

Medium

Low

|        |   |   |  |
|--------|---|---|--|
|        | High  | Medium  | Low  |
| High   |  |  |  |
| Medium |  |  |  |
| Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 6.1-39

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

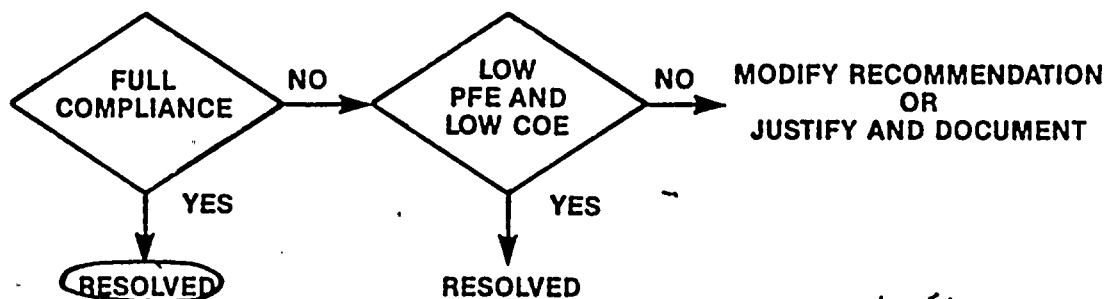
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION AEPS SC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. J. VossDATE 11/18/85

AEPS SC PROGRAM LEAD ENGINEER

RFSDATE 11/18/86



CLO/HED# 6.1-40

Correction # 6.6.6.4.b.4  
6.6.6.4.b.5

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

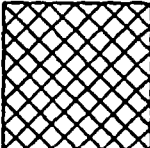
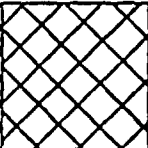
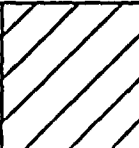
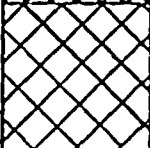
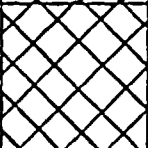

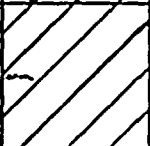
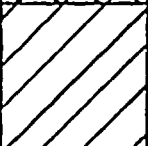

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |   |  |
|---------------------|--------|---|---|--|
|                     |        | High  | Medium  | Low  |
| Potential For Error | High   |  |  |  |
|                     | Medium |  |  |  |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II





## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

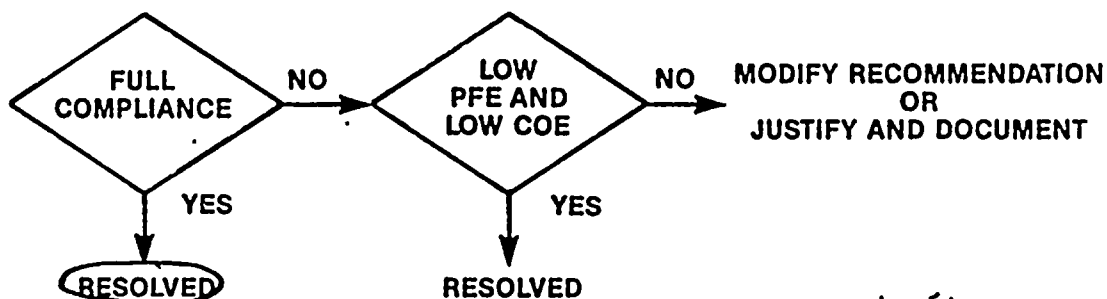
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and correction to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. J. VossDATE 11/18/85

AEPSC PROGRAM LEAD ENGINEER

RFSDATE 11/18/86



CLO/HED# 6.1-41

revision #: 6.3.2.d. (2)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

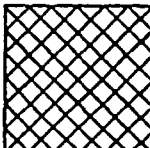
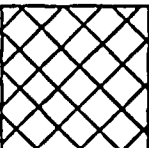
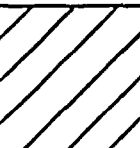
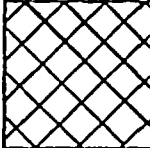


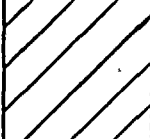


LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |   |  |
|---------------------|--------|---|---|--|
|                     |        | High  | Medium  | Low  |
| Potential For Error | High   |  |  |  |
|                     | Medium |  |  |  |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 6.1-41

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

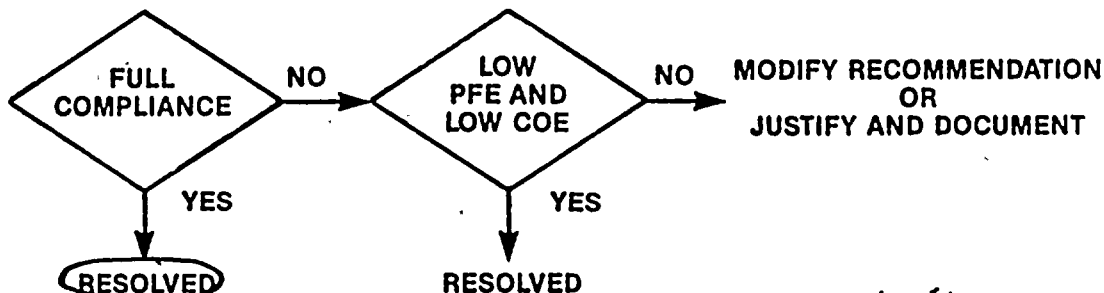
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPS SC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

T. J. Voss

DATE 11/18/85

AEPS SC PROGRAM LEAD ENGINEER

RFS

DATE 11/18/86

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

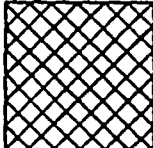
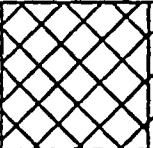
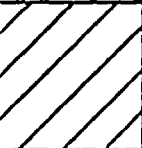
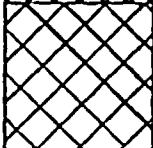
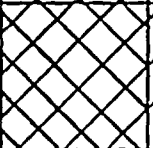

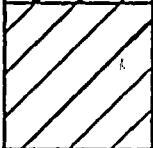
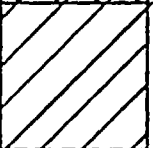





LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |  |   |
|---------------------|--------|---|--|---|
|                     |        | High  | Medium   | Low   |
| Potential For Error | High   |    |  |  |
|                     | Medium |    |  |  |
|                     | Low    |    |  |  |
|                     |        |  | Category I -- High priority; corrective action should be taken.                    |   |
|                     |        |  | Category II -- Medium priority; corrective action is highly recommended.           |   |
|                     |        |  | Category III -- Low priority; corrective action is recommended.                    |   |
|                     |        |  | Category IV -- No corrective action necessary, but should be considered.           |   |

ASSESSMENT CATEGORY

III

CLO/HED# 6.1-42

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

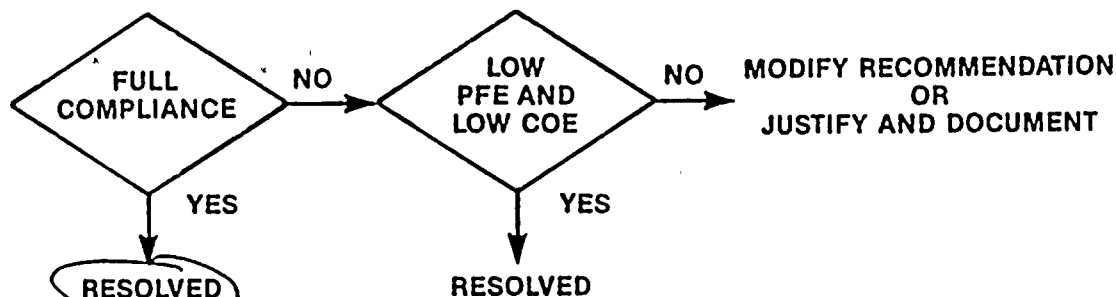
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Some continuous rotary controls do not have direction of motion indicated. The direction for valve operation are to be given on valve controls. Labeling has been added to indicate direction of control motion to open valve.

## SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]DATE 11/26/85AEPSC PROGRAM LEAD ENGINEER RFSDATE 11/24/86





CLO/HED# 6.1-45

Location #: 6.6.2.1.8.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

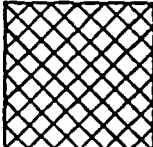
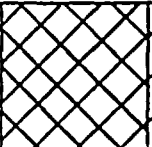

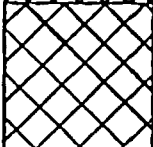
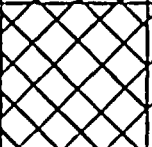


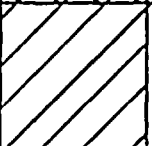

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |  |   |
|---------------------|--------|---|--|---|
|                     |        | High  | Medium   | Low   |
| Potential For Error | High   |  |  |  |
|                     | Medium |  |  |  |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED#

6.1-43

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

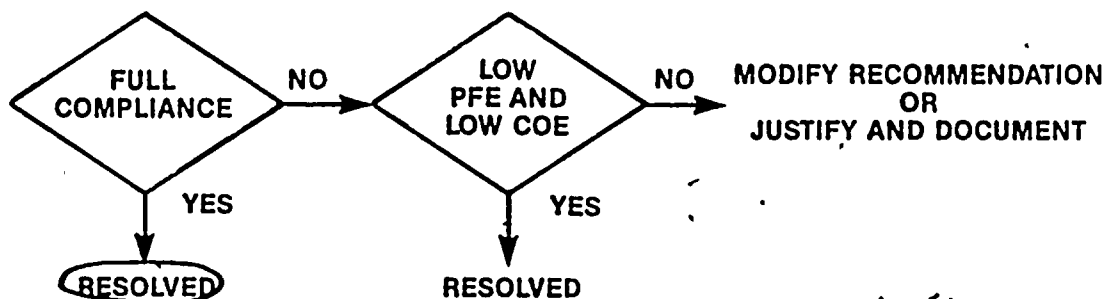
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION AEPS SC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. J. VossDATE 11/18/85

AEPS SC PROGRAM LEAD ENGINEER

RFSDATE 11/18/86



## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

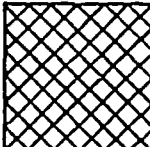
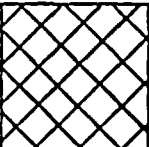

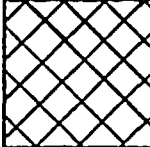


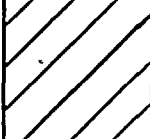


LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |   |  |
|---------------------|--------|---|---|--|
|                     |        | High  | Medium  | Low  |
| Potential For Error | High   |  |  |  |
|                     | Medium |  |  |  |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

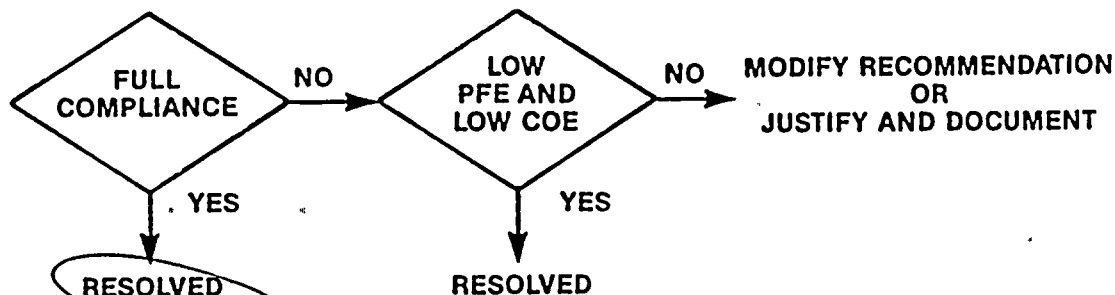
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Some displays (i.e. scales, pointers, and indicator flags) have worn surfaces and need to be clearly identifiable. Plant maintenance to address this problem by repairing or replacing worn surfaces as needed.

## SIGNOFF

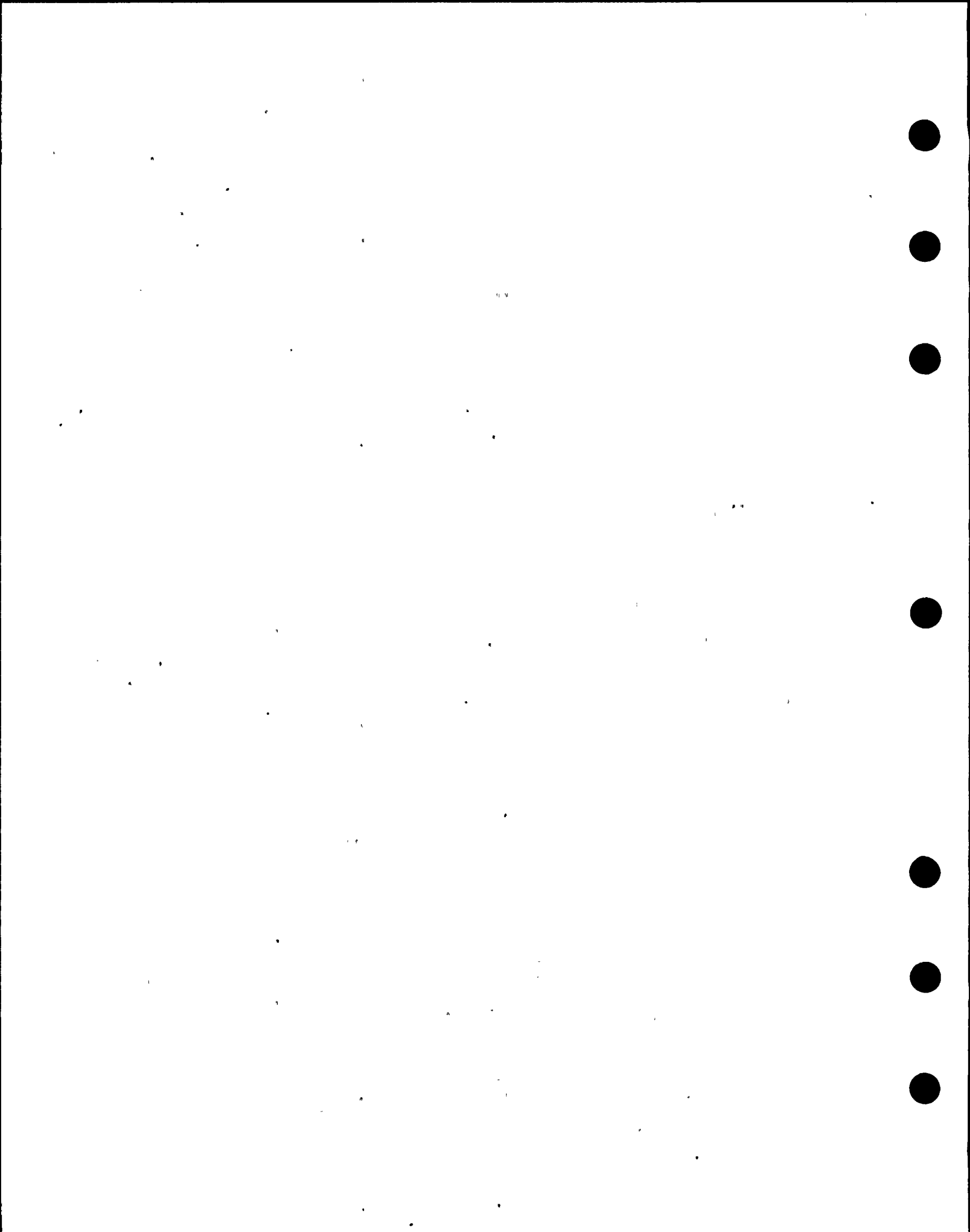
H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

11/26/8511/18/86



CLOTHED# 6.1-45

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

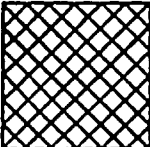
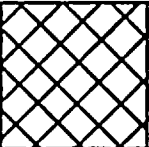
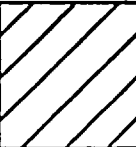
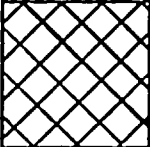

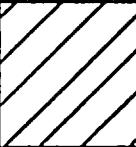



LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# 6.1-45

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☐ APPROVED☒ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

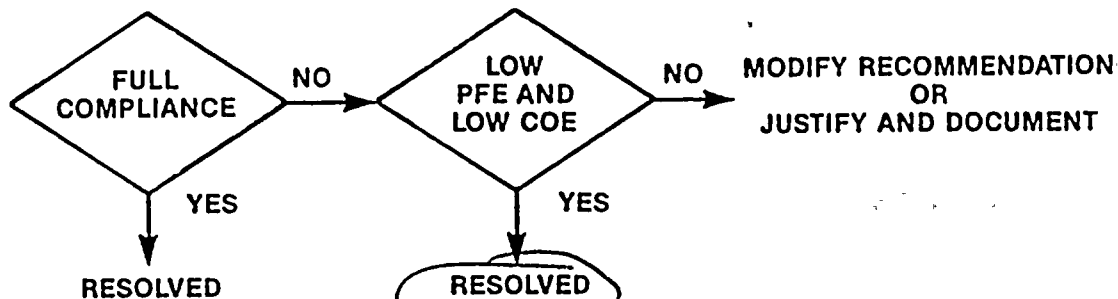
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Various types of labels are vertical and should be replaced with horizontal labels. Vertical labels will be reviewed and corrected as possible. The labeling on d-handle rotaries and on process controllers is readable, but these will be reviewed further for possible improvements in labeling study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 11/26/85

DATE 11/24/86

CLO/HED# 6.1-46

Revision #: 6.6.2.1. c.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

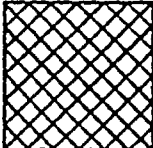
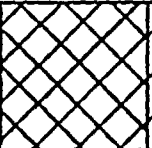

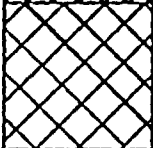
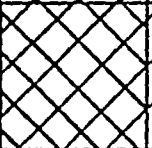

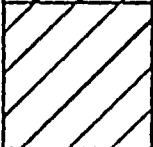
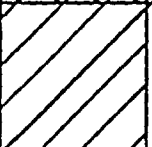

Low

Potential For Error

High

Medium

Low

|        |   |   |  |
|--------|---|---|--|
|        | High  | Medium  | Low  |
| High   |  |  |  |
| Medium |  |  |  |
| Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 6.1-46.

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

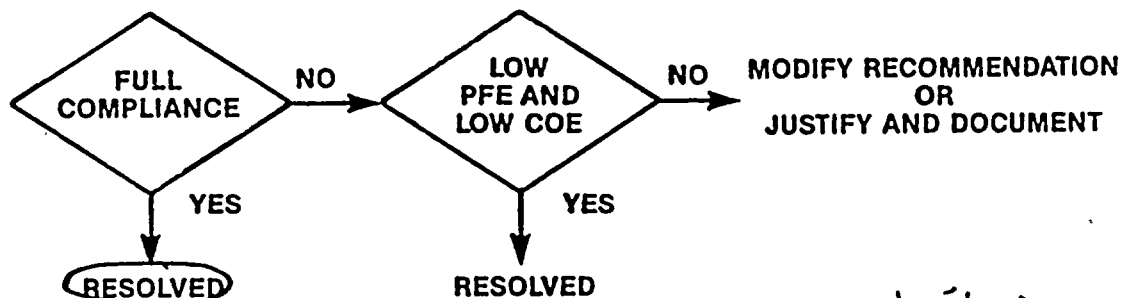
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

T. J. Voss

DATE 11/18/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE 11/18/86

CLO/HED# 6.1-47

Revision #: 6.6.3.1.9.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

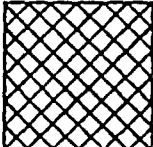
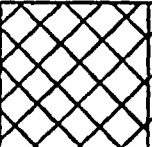

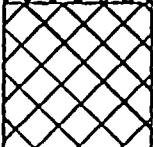
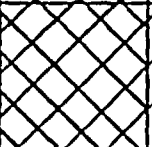

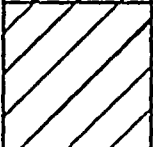
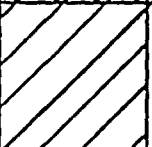
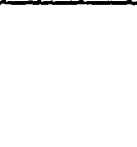
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |   |  |
|---------------------|--------|---|---|--|
|                     |        | High  | Medium  | Low  |
| Potential For Error | High   |  |  |  |
|                     | Medium |  |  |  |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 6.1-47.

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

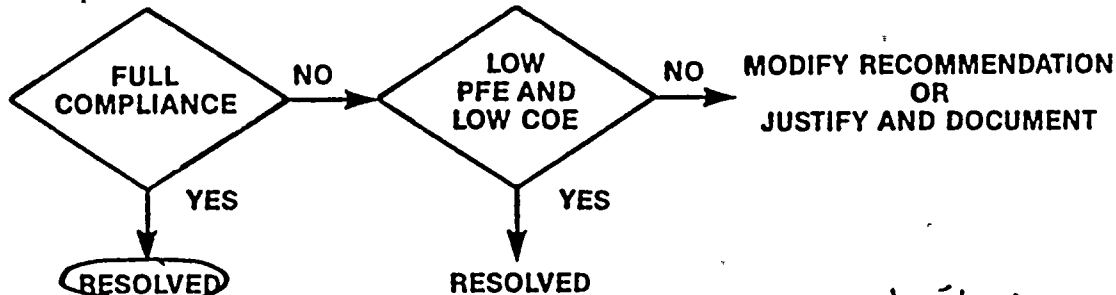
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPS-C has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. Voss

DATE

11/18/85

AEPS-C PROGRAM LEAD ENGINEER

RFS

DATE

11/18/86

CLO/HED# 6.1-48

Revision #: 6.6.2.4.a.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

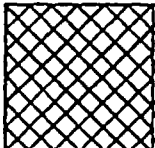
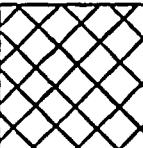

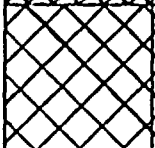
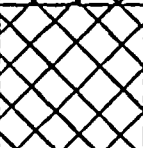

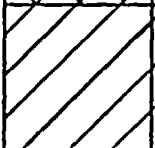
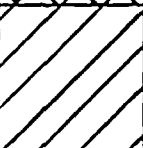

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III





CLO/HED# 6.1-48.

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

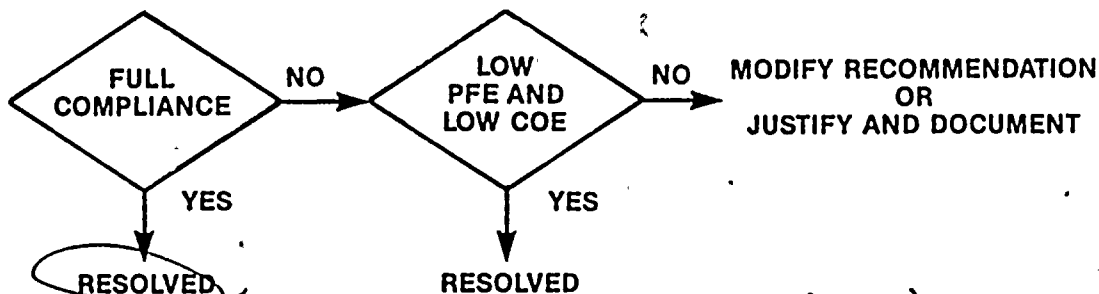
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Display scales will be replaced such that scale numbers are not obscured. Parameter/unit designations will be considered in labeling, demarcation, and minor study.

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 11/26/85

AEPSC PROGRAM LEAD ENGINEER

[Signature]

DATE 11/18/86

CLO/HED# 6.1-49

revision # 6.6.1.2.a.3

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

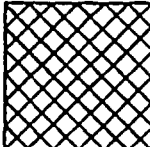
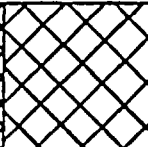
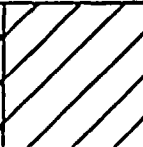
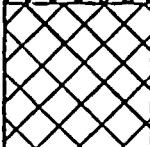
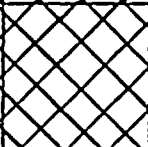
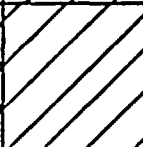
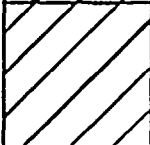


LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

I



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

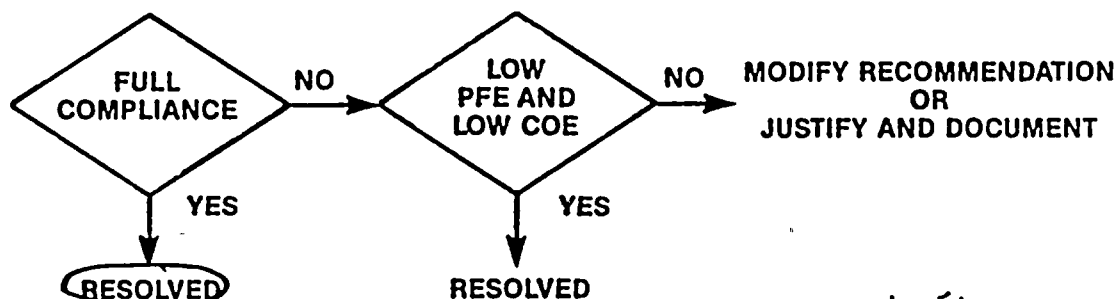
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. Voss

DATE

11/18/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE

11/18/86

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

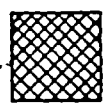
CONSEQUENCE OF ERROR (COE)

HIGH

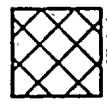
MEDIUM

LOW

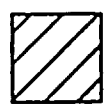
|                     |        | Consequence Of Error |        |     |
|---------------------|--------|----------------------|--------|-----|
|                     |        | High                 | Medium | Low |
| Potential For Error | High   |                      |        |     |
|                     | Medium |                      |        |     |
|                     | Low    |                      |        |     |



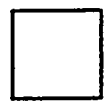
Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

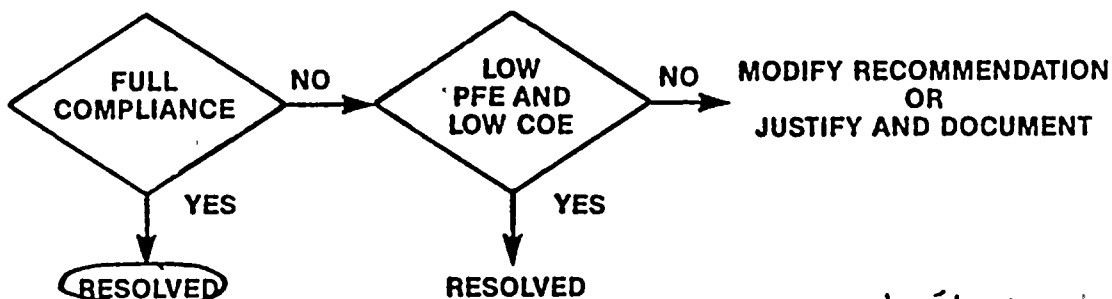
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study. Roman numerals will be eliminated whenever possible from labeling.

SIGNOFF

H.F. CONSULTANT (ESSEX)

T. J. Voss

DATE

11/18/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE

11/1886



CLO/HED# 6.1-51

Citation # 6.6.1.1.

6.6.4.1.a.1.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

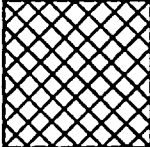


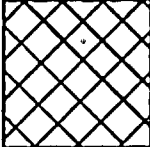



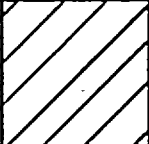

Low

Potential For Error

High

Medium

Low

|        |  |  |   |
|--------|--|--|---|
|        | High   | Medium   | Low   |
| High   |   |   |   |
| Medium |   |   |   |
| Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 6.1-51.

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

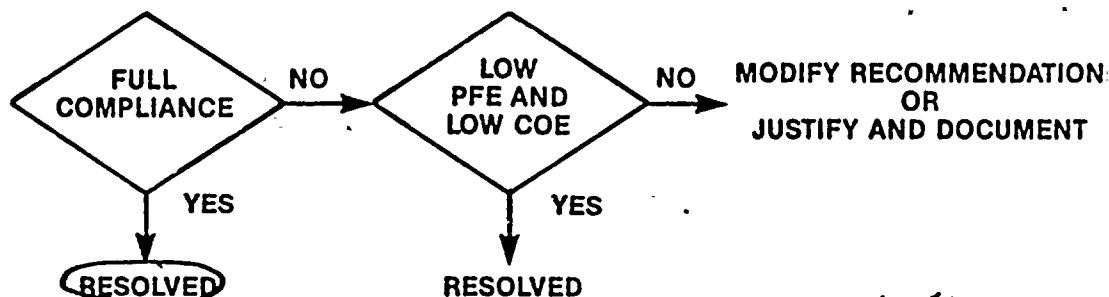
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. J. VossDATE 11/18/85

AEPSC PROGRAM LEAD ENGINEER

RFSDATE 11/18/86



CLO/HED# 6.1-52

Citation #: 6.6.1.2.a.4.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

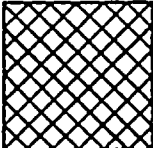
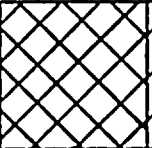

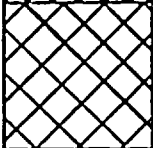
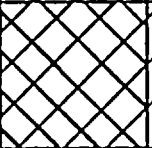
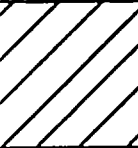
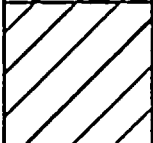


LOW

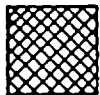
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

DISPOSITION

☐ APPROVED☒ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

(NO)

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

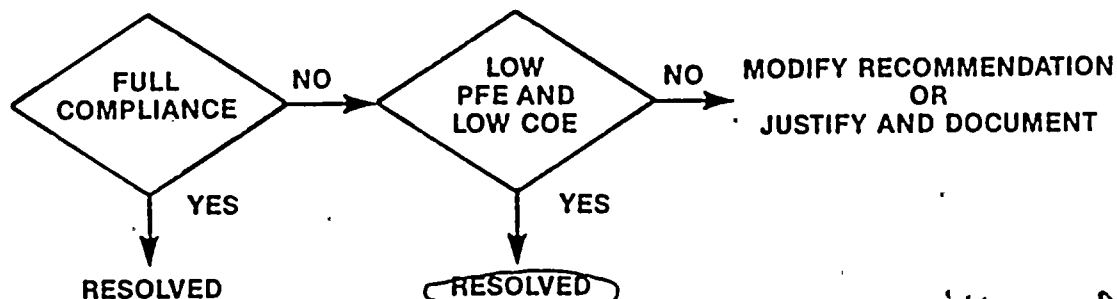
(LOW)

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

(LOW)



EXPLANATION OR JUSTIFICATION

Summary labels will be added, boards will be relabeled, but slight redundancy will be maintained. On vertical panels where summary label is at top, it is more likely summary label will become disassociated from component label. Also some redundancy reduces negative transfer and makes it easier to match control board labels with written procedures.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 11/26/85

DATE 11/18/86

CLO/HED# G.1-53

Correction #: G.6.4.2.d.2.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

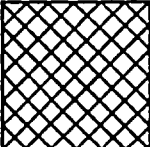
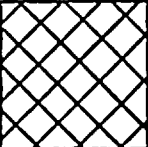
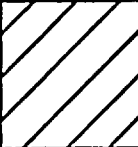
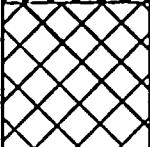
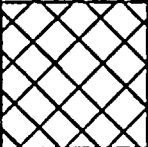

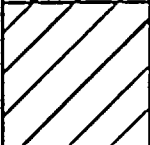


CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

|                     |        | High   | Medium   | Low   |
|---------------------|--------|--|--|---|
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY☐ FURTHER REVIEW BY☐ FURTHER REVIEW BY

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

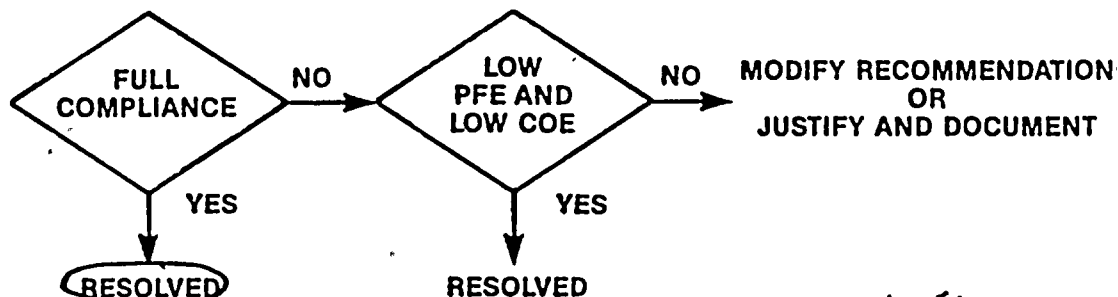
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. Voss

DATE 11/18/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE 11/18/86



CLO/HED# 6.1-54

Correction F: 6.6.2.4.9, b

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

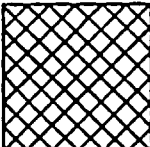
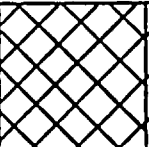

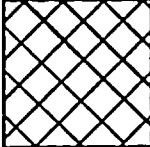
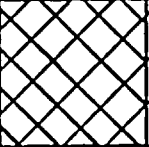

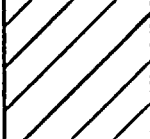


LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |   |  |
|---------------------|--------|---|---|--|
|                     |        | High  | Medium  | Low  |
| Potential For Error | High   |  |  |  |
|                     | Medium |  |  |  |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 6.1-54.

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

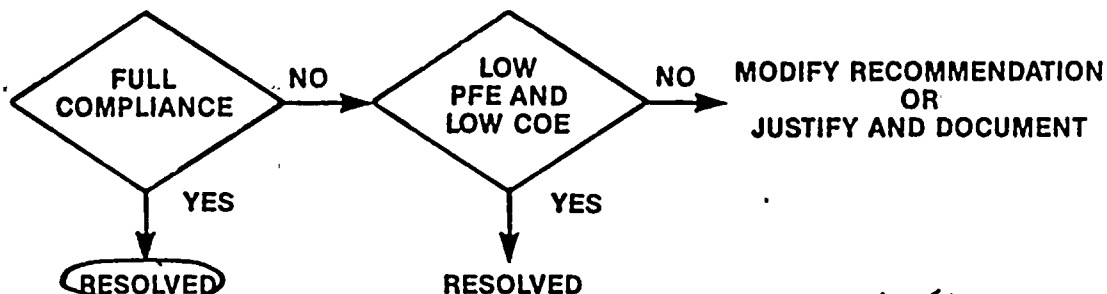
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

T. J. Voss

DATE 11/18/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE 11/18/86



CLO/HED# 6.1.55

Correction #: 6.64.2.8.1.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

### Consequence Of Error

High

Medium

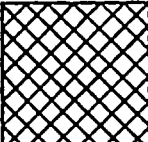
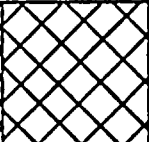
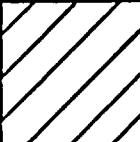
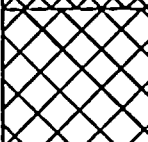
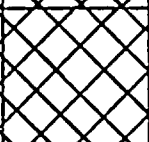

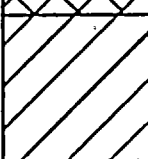
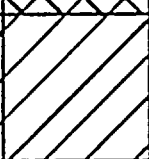

Low

Potential For Error

High

Medium

Low

|        |   |   |  |
|--------|---|---|--|
|        | High  | Medium  | Low  |
| High   |  |  |  |
| Medium |  |  |  |
| Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III





CLO/HED# 6.1-55.

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

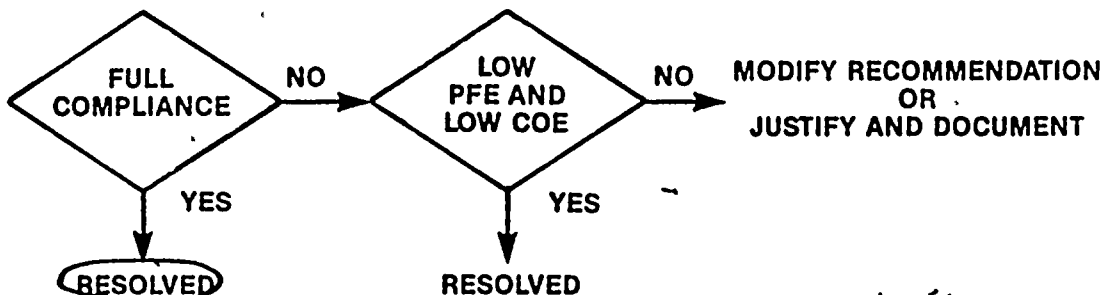
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPSA has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

T. J. Voss

DATE 11/18/85

AEPSA PROGRAM LEAD ENGINEER

RFS

DATE 11/18/86



CLO/HED# 6.1-56

Citation#: 6.6.4.2.d.3

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

## Consequence Of Error

High

Medium

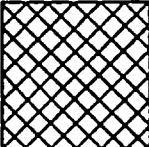
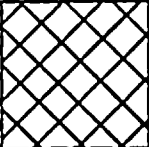

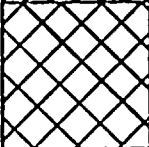


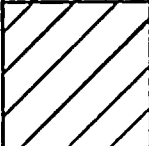
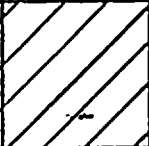

Low

Potential For Error

High

Medium

Low

| High   | Medium   | Low   |
|--|--|---|
|   |   |   |
|   |   |   |
|  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 6.1-56.

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

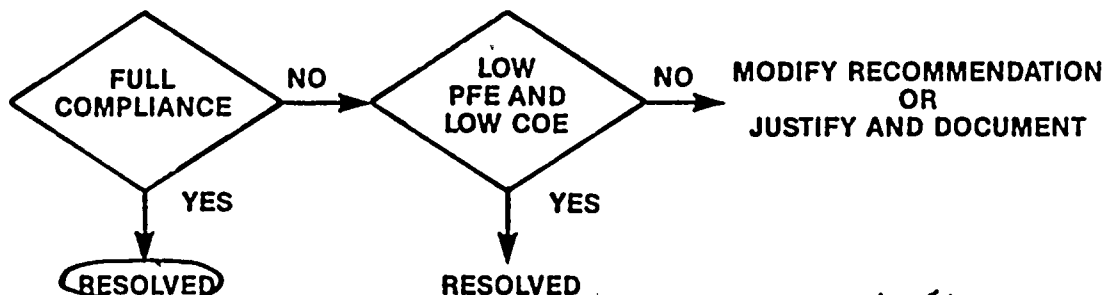
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. Voss

DATE

11/18/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE

1/18/86

CLO/HED# 6.1-57

Criterion # 6.6.4.1.a.1

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

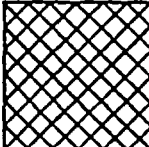
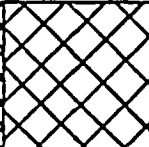

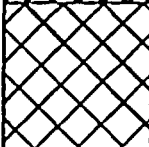
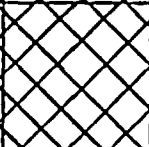

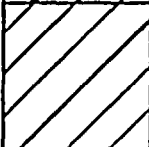
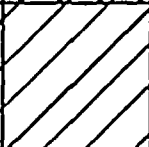

Low

Potential For Error

High

Medium

Low

|        |  |  |   |
|--------|--|--|---|
|        | High   | Medium   | Low   |
| High   |   |   |   |
| Medium |   |   |   |
| Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED# 6.1-57.

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

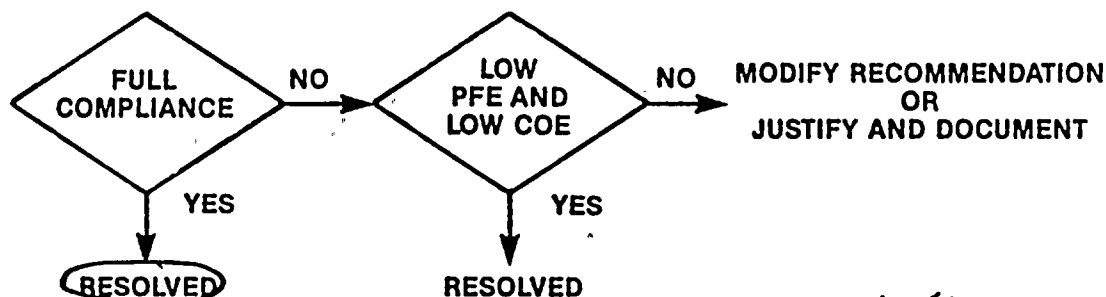
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

T. J. Voss

DATE 11/18/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE 11/18/86

CLO/HED# 6.1-58

Correction #: 6.6.2.4.c.

6.4.4.5.8.(3)

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

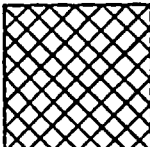
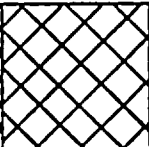
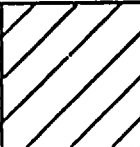
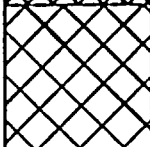
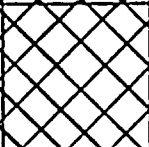

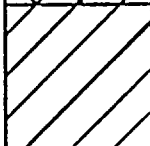
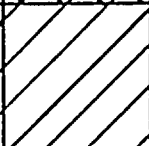

LOW

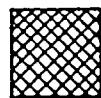
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

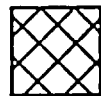
LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED#

6.1-58

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

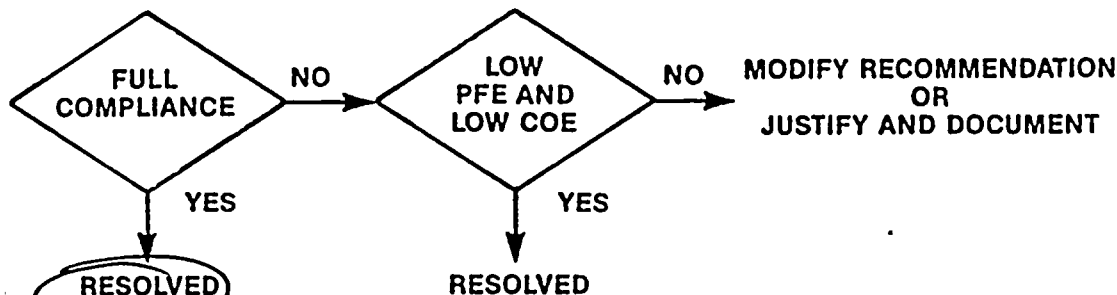
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Some labels are not visible to operator during control use. The examples given only appear to be a problem due to photomosaic photo angle, but the CR will be reviewed for others with a problem. Will be included in labeling, demarcation, and mimic study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 11/26/85DATE 1/18/86

CLO/HED# 6.1-59

Citation #: 6.6.3.7.a.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

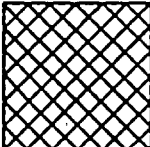
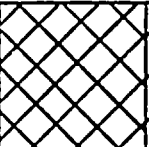

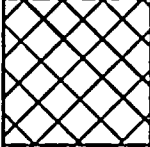
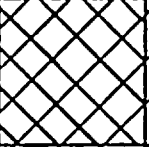




LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 6.1-59.

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

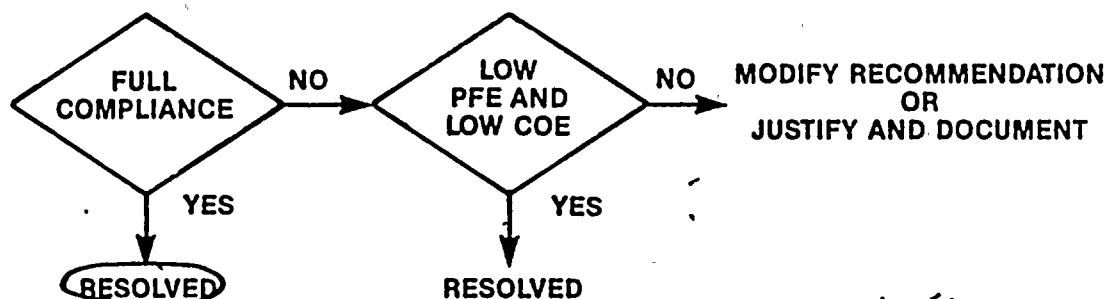
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION AEPS SC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. J. VossDATE 11/18/85

AEPS SC PROGRAM LEAD ENGINEER

RFSDATE 11/18/86

CLO/HED# 6.1-60

Criterion # 6.6.3.9.b.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

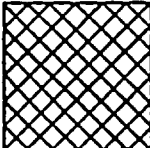
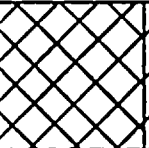

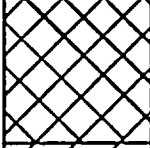
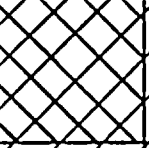



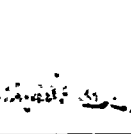
Low

Potential For Error

High

Medium

Low

|        |  |  |   |
|--------|--|--|---|
|        | High   | Medium   | Low   |
| High   |   |   |   |
| Medium |   |   |   |
| Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED#

6.1-60

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

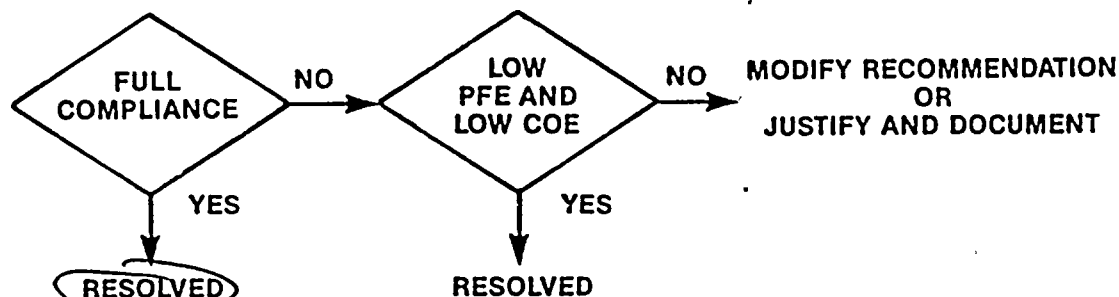
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Danger, safety and warning labels do not conform to standards. Information labels are to be reviewed and danger, safety and warning labels replaced in accordance with human engineering and safety standards.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE

11/26/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE

1/18/86

CLO/HED# G.I - 61

Collection #: G.G.S.I.d.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

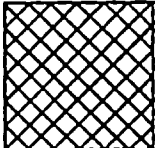
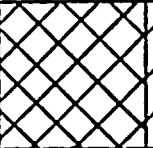

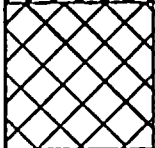
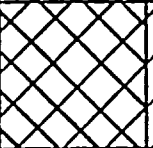

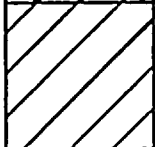
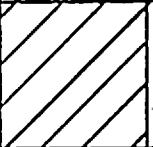
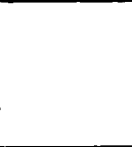
Low

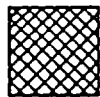
Potential For Error

High

Medium

Low

|        |  |  |   |
|--------|--|--|---|
|        | High   | Medium   | Low   |
| High   |   |   |   |
| Medium |   |   |   |
| Low    |  |  |  |



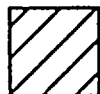
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II





## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED    ☐ PARTIALLY APPROVED    ☐ NO ACTION    ☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

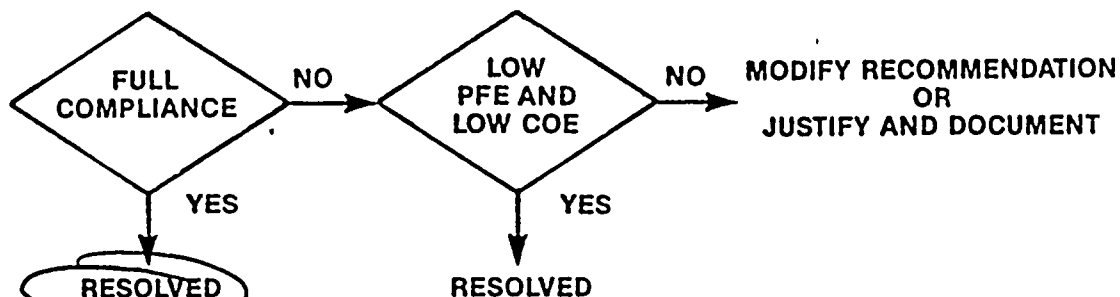
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Tag-outs do not always clearly  
identify components. Administrative procedure is now in place  
to ensure proper use of labels/tags.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

11/26/85

11/18/86



CLO/HED# 6.1-62

Criterion #: 6.6.1.1.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

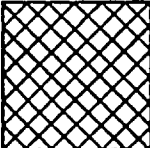
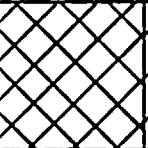

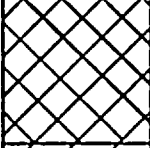
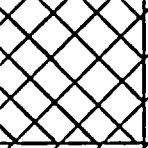




CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

|                     |        | High  | Medium  | Low  |
|---------------------|--------|---|---|--|
| Potential For Error | High   |  |  |  |
|                     | Medium |  |  |  |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 6-1-62

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

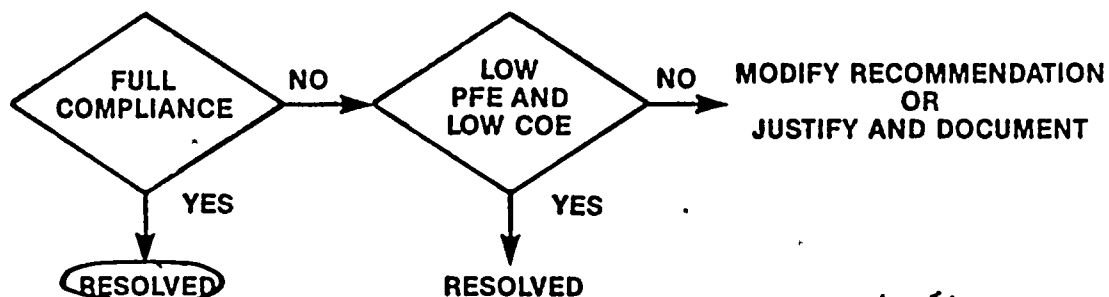
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION AEPS SC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. Voss

DATE

11/18/85

AEPS SC PROGRAM LEAD ENGINEER

RFS

DATE

11/18/86

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

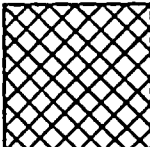
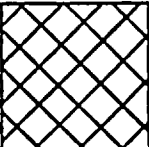
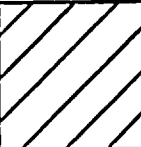
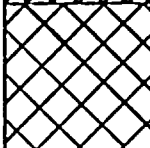
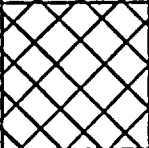




LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error  |   |  |
|---------------------|--------|---|---|--|
|                     |        | High  | Medium  | Low  |
| Potential For Error | High   |  |  |  |
|                     | Medium |  |  |  |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED# 6.1-63

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

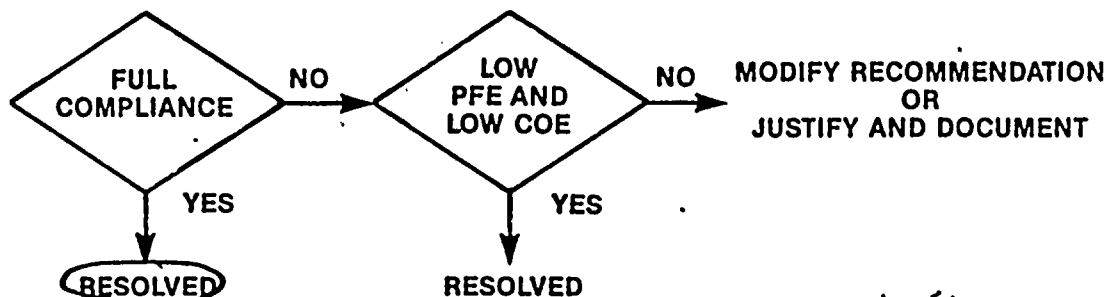
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_
- ☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED    ☐ PARTIALLY APPROVED    ☐ NO ACTION    ☐ OTHER

### EVALUATION

|                                 |      |            |     |
|---------------------------------|------|------------|-----|
| FULL COMPLIANCE WITH GUIDELINES | NO   | <u>YES</u> |     |
| POTENTIAL FOR ERROR (PFE)       | HIGH | MEDIUM     | LOW |
| CONSEQUENCE OF ERROR (COE)      | HIGH | MEDIUM     | LOW |



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

#### SIGNOFF

H.F. CONSULTANT (ESSEX) T. J. Voss DATE 11/18/85  
AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/18/86



CLO/HED# 6.1-64

Collection #: 6.6.1.1.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

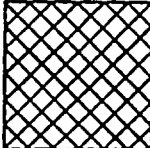
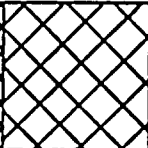
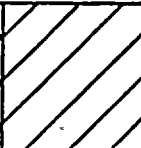
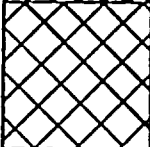
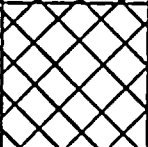
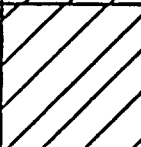
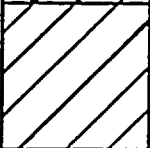
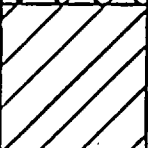

Low

Potential For Error

High

Medium

Low

|        |  |  |   |
|--------|--|--|---|
|        | High   | Medium   | Low   |
| High   |   |   |   |
| Medium |   |   |   |
| Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II





CLO/HED# 6.1-64.

## EVALUATION AND DISPOSITION RECORD

### ASSESSMENT/REVIEW ACTIONS

#### PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

☐ FURTHER REVIEW BY \_\_\_\_\_

#### DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

### EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

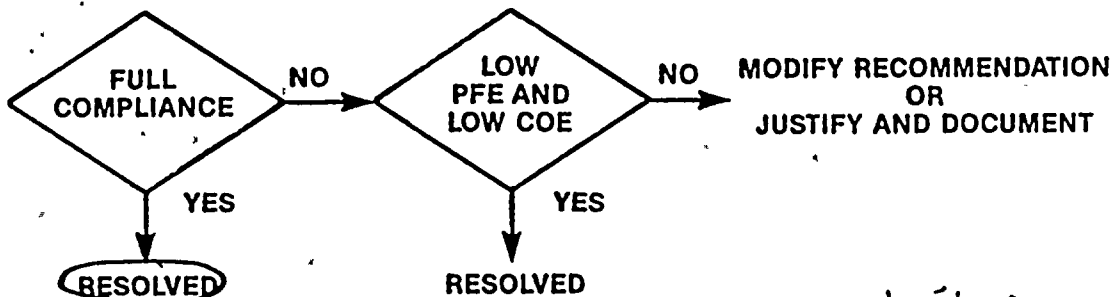
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

#### SIGNOFF

H.F. CONSULTANT (ESSEX)

T. Voss

DATE 11/18/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE 11/18/86



CLO/HED# 6.1-65

Criterion F: 6.6.2.4.d.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

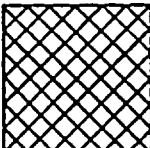
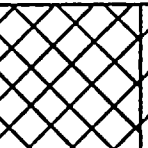

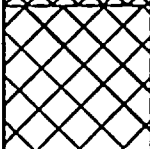
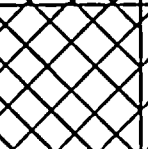

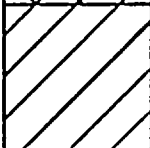
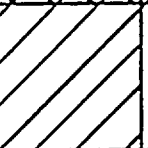

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED#

6.1-65

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

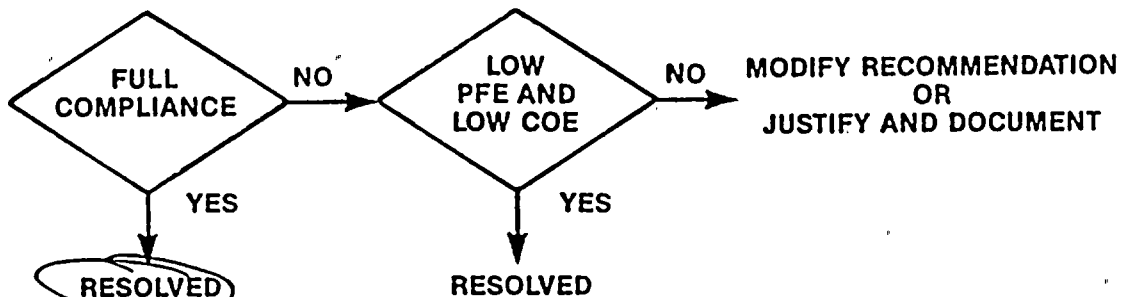
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Labels are not periodically  
cleaned. Labels are clean after ten years. Operations  
will review this and take appropriate action to ensure  
that labels remain clean.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE

11/26/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE

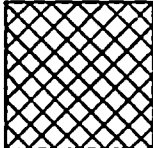
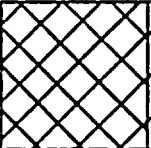

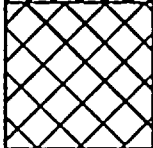
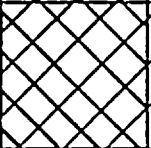

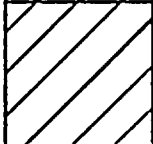
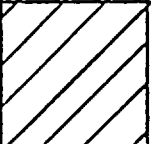

11/18/86

CLO/HED# 6.1-66

Criterion #: 6.3.3.c.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)      HIGH      MEDIUM      **LOW**  
CONSEQUENCE OF ERROR (COE)      **HIGH**      MEDIUM      LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III





CLO/HED#

6.1-66

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

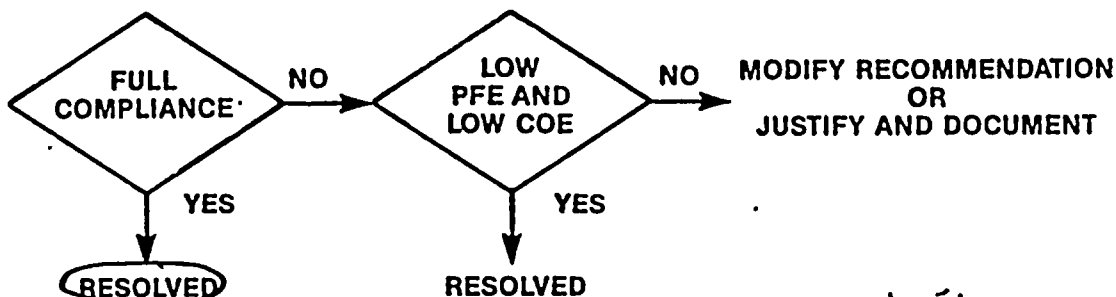
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION AEPS SC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study, especially concerning use of exact control board labeling in procedures.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. J. Voss

DATE

11/18/85

AEPS SC PROGRAM LEAD ENGINEER

RFS

DATE

11/18/86



CLO/HED# 6.1-67

Citation # 6.6.4.2.b.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

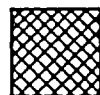
Low

Potential For Error

High

Medium

Low



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

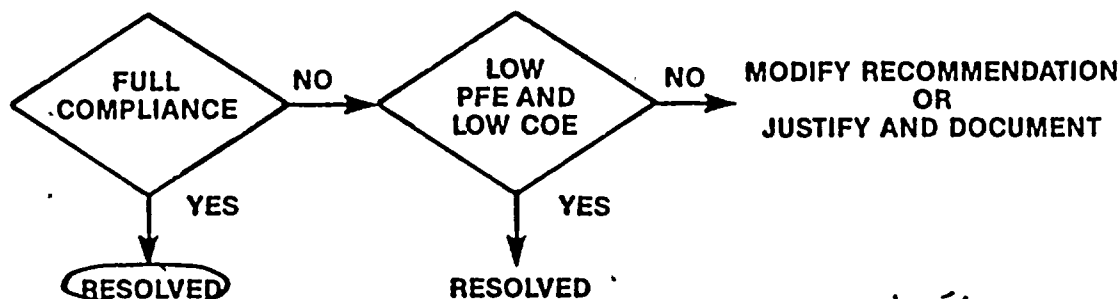
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPS SC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. VossDATE 11/18/85

AEPS SC PROGRAM LEAD ENGINEER

RFSDATE 1/18/86

CLO/HED# 6.1-68

Correction # 6.6.4.2.c.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

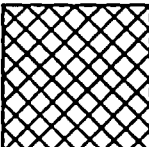
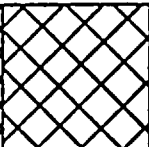

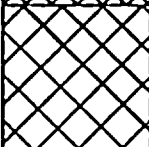
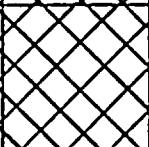




LOW

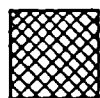
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



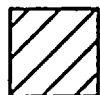
Category I --

High priority; corrective action should be taken.



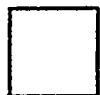
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED#

6.1-68.

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

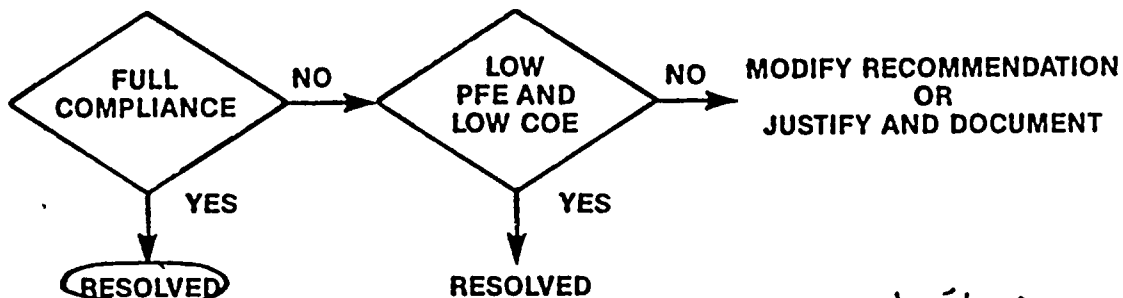
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

AEPS SC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

T. J. VossDATE 11/18/85

AEPS C PROGRAM LEAD ENGINEER

RFSDATE 1/18/86

CLO/HED# 6.1-69

Collection #: 6.6.5.1.C.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

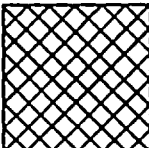
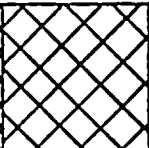
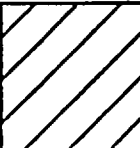
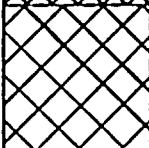
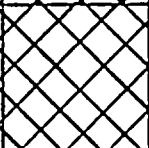

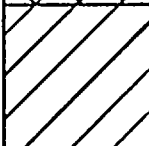
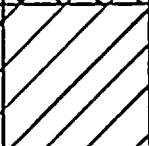

LOW

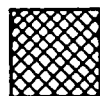
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



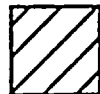
Category I --

High priority; corrective action should be taken.



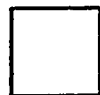
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III





CLO/HED#

6.1-69

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

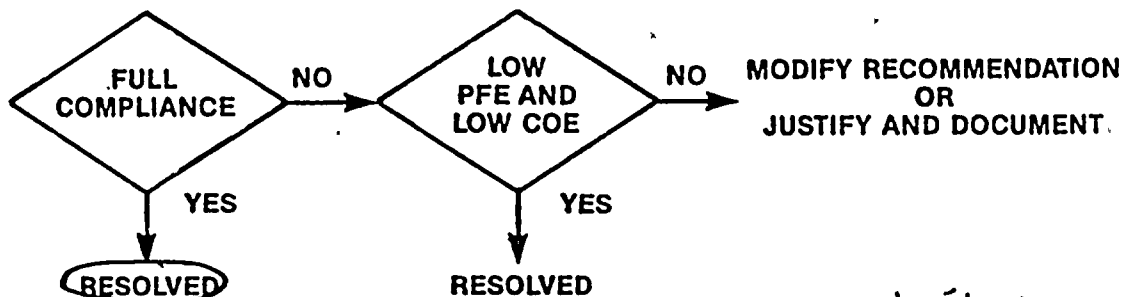
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

## SIGNOFF

H.F. CONSULTANT (ESSEX) T. VossDATE 11/18/85AEPSC PROGRAM LEAD ENGINEER RFSDATE 11/18/86



CLO/HED# 6.1-70

criticism #: 6.6.5.1.2.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

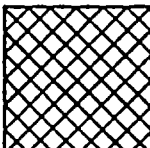
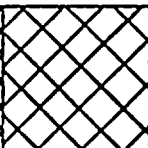
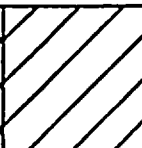
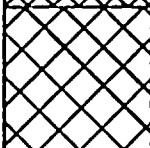
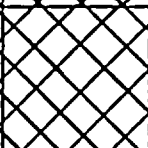

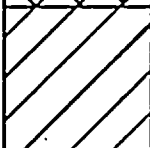
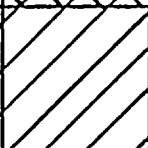

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED#

6.1-70

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

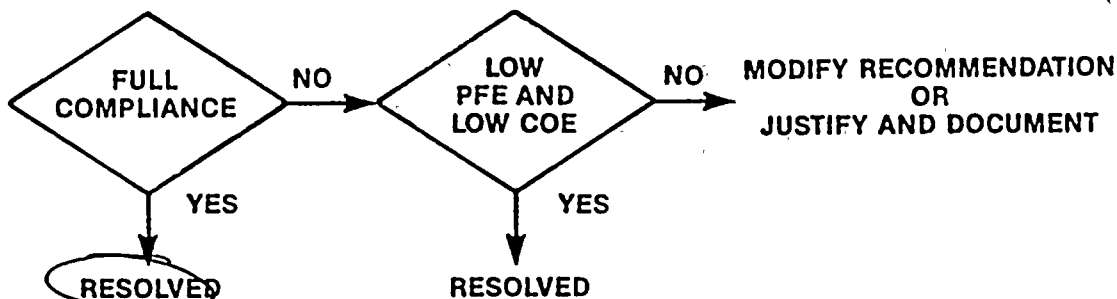
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Tag-outs sometimes obscure labels. Tag outs have been changed. See HED # 6.1-32

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

11/26/85

DATE

1/18/86

CLO/HED# 6.1-71

Criterion #: 6.5.2.9 & b.

## ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

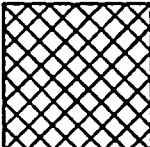
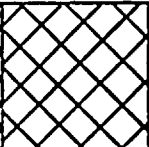
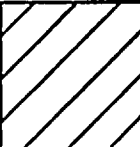
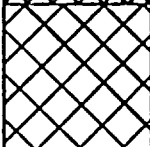
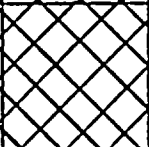

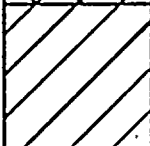
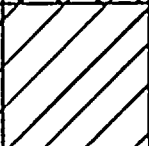

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

|                     |        | Consequence Of Error   |  |   |
|---------------------|--------|--|--|---|
|                     |        | High   | Medium   | Low   |
| Potential For Error | High   |   |   |   |
|                     | Medium |   |   |   |
|                     | Low    |  |  |  |



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III





CLO/HED# 6.1-71

## EVALUATION AND DISPOSITION RECORD

## ASSESSMENT/REVIEW ACTIONS

## PENDING

DATE

☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_☐ FURTHER REVIEW BY \_\_\_\_\_

## DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

## EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

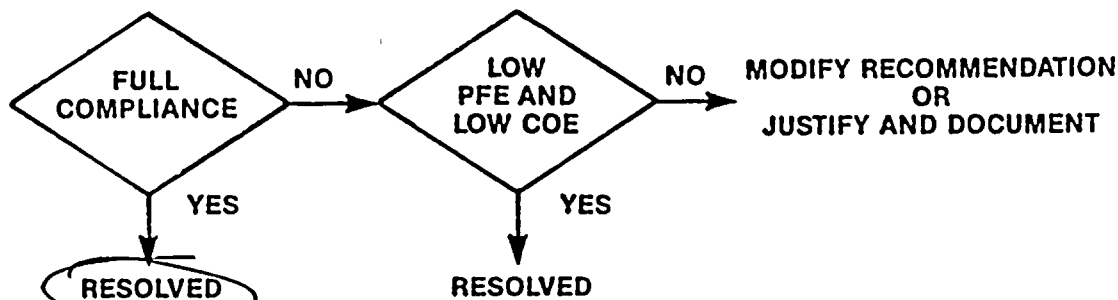
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Lack of administrative and review procedures for temporary label control. Uncontrolled temperature labels are to be removed and replaced with permanent labels where appropriate. Operations Standing Order #36 has been written for administrative control of temporary labels.

## SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 11/26/85DATE 11/886