

| Q# | 1. LOK (F/H) | 2. LOD (1-5) | 3. Psychometric Flaws | | | | | 4. Job Content Flaws | | | | 5. Other | | 6. B/M/N | 7. U/E/S | 8. Explanation |
|----|--------------------|--------------------|-----------------------|------|-----|----------------|---------|----------------------|---------|-------------|---------------|-----------|-------------|-------------|-------------|-----------------------------|
| | | | Stem Focus | Cues | T/F | Cred. Dist. | Partial | Job- Link | Minutia | #/ units | Back- ward | Q= K/A | SRO Only | | | |
| 1 | F | 2 | | | | | | | | | | | | B | S | |
| 2 | H | 3 | | | | | | | | | | | | N | S | |
| 3 | F | 1 | X | | | | | | | | | | | B | U | Need to rework Q. |
| 4 | F | 2 | X | | | | | | | | | | | B | E | Change C&D to 1700 vs 1440. |
| 5 | H | 2 | | | | | | | | | | | | B | S | |
| 6 | F | 2 | | | | | | | | | | | | B | S | |
| 7 | H | 2 | | | | | | | | | | | | N | S | |
| 8 | H | 2 | | | | C&D | | | | | | | | B | U | Replace/rework C&D. |

Instructions

[Refer to Section D of ES-401 and Appendix B for additional information regarding each of the following concepts.]

- Enter the level of knowledge (LOK) of each question as either (F)undamental or (H)igher cognitive level.
- Enter the level of difficulty (LOD) of each question using a 1 – 5 (easy – difficult) rating scale (questions in the 2 – 4 range are acceptable).
- Check the appropriate box if a psychometric flaw is identified:
 - The stem lacks sufficient focus to elicit the correct answer (e.g., unclear intent, more information is needed, or too much needless information).
 - The stem or distractors contain cues (i.e., clues, specific determiners, phrasing, length, etc).
 - The answer choices are a collection of unrelated true/false statements.
 - The distractors are not credible; single implausible distractors should be repaired, more than one is unacceptable.
 - One or more distractors is (are) partially correct (e.g., if the applicant can make unstated assumptions that are not contradicted by stem).
- Check the appropriate box if a job content error is identified:
 - The question is not linked to the job requirements (i.e., the question has a valid K/A but, as written, is not operational in content).
 - The question requires the recall of knowledge that is too specific for the closed reference test mode (i.e., it is not required to be known from memory).
 - The question contains data with an unrealistic level of accuracy or inconsistent units (e.g., panel meter in percent with question in gallons).
 - The question requires reverse logic or application compared to the job requirements.
- Check questions that are sampled for conformance with the approved K/A and those that are *designated SRO-only* (K/A and license level mismatches are unacceptable).
- Enter question source: (B)ank, (M)odified, or (N)ew. Check that (M)odified questions meet criteria of ES-401 Section D.2.f.
- Based on the reviewer's judgment, is the question as written (U)nsatisfactory (requiring repair or replacement), in need of (E)ditorial enhancement, or (S)atisfactory?
- At a minimum, explain any "U" ratings (e.g., how the Appendix B psychometric attributes are not being met).

| Q# | 1. LOK (F/H) | 2. LOD (1-5) | 3. Psychometric Flaws | | | | | 4. Job Content Flaws | | | | 5. Other | | 6. B/M/N | 7. U/E/S | 8. Explanation |
|----|--------------------|--------------------|-----------------------|------|-----|----------------|---------|----------------------|---------|-------------|---------------|-----------|-------------|-------------|-------------|---|
| | | | Stem Focus | Cues | T/F | Cred. Dist. | Partial | Job- Link | Minutia | #/ units | Back- ward | Q= K/A | SRO Only | | | |
| 9 | H | 2 | | | | | | | | | | | | B | S | |
| 10 | H | 3 | | | | | | | | | | | | N | S | |
| 11 | H | 2 | | | | | | | | | | | | B | S | |
| 12 | F | 2 | | | | | | | | | | | | B | S | |
| 13 | H | 2 | X | | | | | | | | | | | B | E | Replace LOOP statement with conditions to analyze. |
| 14 | H | 3 | X | | | | | | | | | | | N | E | Add verbs to choices. Capitalize Bus 11B in 4 th bullet. |
| 15 | H | 2 | X | | | | | | | | | | | B | E | Delete first sentence from every choice. |
| 16 | H | 2 | | | | | | | | | | | | B | S | |
| 17 | H | 2 | | | | | | | | | | | | B | S | |
| 18 | H | 2 | | | | | | | | | | | | B | S | |
| 19 | H | 3 | | | | | | | | | | | | N | S | |
| 20 | F | 2 | | | | | | | | | | | | N | S | |
| 21 | H | 2 | | | | | | | | | | | | N | S | |
| 22 | H | 2 | | | | | | | | | | | | N | S | |
| 23 | H | 2 | X | | | | | | | | | | | N | E | Delete first sentence from every choice. |
| 24 | H | 3 | | | | | | | | | | | | N | S | |
| 25 | H | 2 | X | | | | | | | | | | | M | E | Make "cannot be reset" a separate bullet. |
| 26 | H | 3 | | | | | | | | | | | | B | S | |
| 27 | F | 2 | | | | | | | | | | | | N | S | |
| 28 | F | 3 | X | | | | | | | | | | | M | E | Capitalize Bus 1 in stem. Component(s). Change C to A&C RCPS. |

| Q# | 1. LOK (F/H) | 2. LOD (1-5) | 3. Psychometric Flaws | | | | | 4. Job Content Flaws | | | | 5. Other | | 6. B/M/N | 7. U/E/S | 8. Explanation |
|----|--------------|--------------|-----------------------|------|-----|-------------|---------|----------------------|---------|---------|-----------|----------|----------|----------|----------|--|
| | | | Stem Focus | Cues | T/F | Cred. Dist. | Partial | Job-Link | Minutia | #/units | Back-ward | Q=K/A | SRO Only | | | |
| 29 | H | 3 | | | | | | | | | | | | M | S | |
| 30 | H | 2 | X | | | | | | | | | | | B | E | Change 6 th bullet to a component failure to cause temp change. |
| 31 | H | 2 | X | | | | | | | | | | | B | E | Delete factual statements from choices. |
| 32 | H | 2 | X | | | | | | | | | | | N | E | Reword Q for clarity. |
| 33 | F | 1 | | | | | | | | | | | | B | U | Reselect KA. |
| 34 | F | 2 | X | | | | | | | | | | | N | E | Reword A & D for clarity. |
| 35 | F | 3 | X | | | | | | | | | | | B | E | Delete second sentence from C & D. Reword B. |
| 36 | H | 3 | | | | | | | | | | | | B | S | |
| 37 | H | 2 | X | | | | | | | | | | | B | E | Start at 60% vs 75% power. |
| 38 | H | 2 | X | | | | | | | | | | | N | E | Reword Q. Put choices in table format. |
| 39 | H | 2 | | | | A,C | | | | | | | | B | U | Change A&C to high pressure trip. There is no low level trip. |
| 40 | H | 3 | | | | | | | | | | | | B | S | |
| 41 | H | 2 | | | | | | | | | | | | B | S | |
| 42 | F | 2 | | | | | | | | | | | | N | S | |
| 43 | F | 2 | | | | | | | | | | | | N | S | |
| 44 | H | 3 | X | | | | | | | | | | | B | E | Replace LOOP w/ condenser conditions. Add "initially" to Q. |
| 45 | F | 2 | | | | | | | | | | | | B | S | |
| 46 | H | 2 | | | | | | | | | | | | B | S | |
| 47 | H | 2 | X | | | | | | | | | | | B | E | Change pressure to 1930. |
| 48 | F | 2 | | | | | | | | | | | | B | S | |

| Q# | 1. LOK (F/H) | 2. LOD (1-5) | 3. Psychometric Flaws | | | | | 4. Job Content Flaws | | | | 5. Other | | 6. B/M/N | 7. U/E/S | 8. Explanation |
|----|--------------------|--------------------|-----------------------|------|-----|----------------|---------|----------------------|---------|-------------|---------------|-----------|-------------|-------------|-------------|---|
| | | | Stem Focus | Cues | T/F | Cred. Dist. | Partial | Job- Link | Minutia | #/ units | Back- ward | Q= K/A | SRO Only | | | |
| 49 | F | 2 | | | | | | | | | | | | B | S | |
| 50 | H | 3 | | | | | | | | | | | | N | S | |
| 51 | F | 2 | | | | | | | | | | | | M | S | |
| 52 | F | 3 | X | | | | | | | | | | | N | E | Pair L/D monitor with other monitors. |
| 53 | H | 3 | | | | | | | | | | | | N | S | |
| 54 | H | 2 | | | | | | | | | | | | N | S | |
| 55 | F | 2 | | | | | | | | | | | | B | S | |
| 56 | F | 3 | X | | | | | | | | | | | B | E | Modify Q to avoid ambiguous word "significantly." |
| 57 | F | 2 | | | | | | | | | | | | B | S | |
| 58 | F | 2 | | | | C | | | | | | | | B | E | C is overly conservative. Replace C. |
| 59 | H | 2 | X | | | | | | | | | | | B | E | Add "<" to choice C. |
| 60 | H | 3 | X | | | | | | | | | | | B | E | Replace 5 th bullet with instrument failure |
| 61 | F | 2 | | | | | | | | | | | | B | S | |
| 62 | H | 2 | | | | | | | | | | | | B | S | |
| 63 | F | 3 | | | | | | | | | | | | N | S | |
| 64 | H | 2 | X | | | A, B | | | | | | | | N | U | Change IC to 40%. Change A&B to trip Tx and go to AOP. |
| 65 | F | 2 | | | | | | | | | | | | N | S | |
| 66 | F | 2 | | | | A | | | | | | | | B | E | Replace A with two no solo operators on shift together. |
| 67 | F | 2 | | | | | | | | | | | | B | S | |
| 68 | F | 3 | X | | | | | | | | | | | B | E | Too leading. Reword Q. |

| Q# | 1. LOK (F/H) | 2. LOD (1-5) | 3. Psychometric Flaws | | | | | 4. Job Content Flaws | | | | 5. Other | | 6. B/M/N | 7. U/E/S | 8. Explanation |
|----|--------------------|--------------------|-----------------------|------|-----|----------------|---------|----------------------|---------|-------------|---------------|-----------|-------------|-------------|-------------|--|
| | | | Stem Focus | Cues | T/F | Cred. Dist. | Partial | Job- Link | Minutia | #/ units | Back- ward | Q= K/A | SRO Only | | | |
| 69 | F | 1 | | | | | | | | | | | | B | U | Reselect K/A. |
| 70 | F | 2 | | | | | | | | | | | | N | S | |
| 71 | F | 2 | X | | | | | | | | | | | B | E | Remove "volunteers" and make D 25000 mRem. |
| 72 | F | 2 | X | | | | | | | | | | | B | E | Clarify distractor D. |
| 73 | F | 2 | | | | D | | | | | | | | N | E | Replace D with option of entering AOP after exiting EOPs. |
| 74 | H | 2 | X | | | | | | | | | | | M | E | Re-order parts of Q. No references needed. |
| 75 | H | 2 | | | | | | | | | | | | N | S | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 76 | H | 2 | X | | | C | | | | | | | | B | E | Change 5 th bullet to 280000. Replace C – it has no time limit. |
| 77 | H | 2 | X | | | | | | | | | | | B | E | Add IAW ES-1.2. Replace SCM with temperature and pressure. |
| 78 | H | 2 | | | | | | | | | | | | B | S | |
| 79 | H | 2 | | | | | | | | | | | | N | S | |
| 80 | H | 3 | X | | | | B | | | | | | | B | U | Change B. |
| 81 | H | 2 | | | | | | | | | | | | N | S | |
| 82 | H | 2 | X | | | | | | | | | | | N | E | Rephrase B,C&D. Include wording about CNMT requirements. |
| 83 | F | 2 | | | | | | | | | | | | N | S | |
| 84 | H | 2 | X | | | | | | | | | | | M | E | Delete 3 rd bullet. |
| 85 | H | 2 | X | | | | | | | | | | | B | E | Replace 5 th bullet with conditions for FR-P.1 or reword Q. |
| 86 | H | 2 | | | | | | | | | | | X | B | U | Rework/review to make SRO-only. |

[illegible]