



Westinghouse
Electric Corporation

Energy Systems

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ET-NRC-93-3986
NSRA-APSL-93-0388
Docket No.: STN-52-003

October 11, 1993

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

ATTENTION: MR. D. M. CRUTCHFIELD

SUBJECT: AP600 INTEGRATED DESIGN CERTIFICATION SCHEDULE

Dear Mr. Crutchfield:

Your letter of August 30, 1993, suggests modification of several intermediate milestones in the AP600 design certification review schedule to meet the SECY-93-097 Final Safety Evaluation Report date of November 1995. Westinghouse has carefully considered the suggested changes identified in the letter, and we have had the opportunity to discuss these changes with NRC staff on several occasions. As a result of these discussions, we believe that the modifications will have only minimal impact on the overall design certification process. Westinghouse appreciates the NRC's efforts to maintain the schedules presented in SECY-93-097. Our responses to specific items identified in your letter are provided below.

In your letter, you request that Westinghouse provide its focused probabilistic risk assessment (FPRA) for the AP600 design to the staff expeditiously after the draft Commission paper on regulatory treatment of non-safety systems is released. The FPRA is needed by the staff to support the development of the draft safety evaluation report (DSER). Westinghouse provided this information to the NRC staff on September 24, 1993. Westinghouse topical report WCAP-13856, "AP600 Implementation of the Regulatory Treatment of Nonsafety-Related Systems Process," summarizes the evaluation performed to determine the significant nonsafety-related systems, structures, and components (SSCs) for the AP600. The report also proposes additional regulatory oversight for those SSCs identified as significant. The September 24, 1993 letter, includes draft PRA revisions which provide additional detail, including the focused PRA quantified results. The AP600 PRA report is currently being revised to incorporate revisions resulting from NRC requests for additional information and to reflect design changes. The revised PRA will include requantification of both the baseline and focused PRAs and is scheduled to be submitted to the NRC in February 1994.

The process implemented for the AP600 and summarized in WCAP-13856, is consistent with the draft Commission paper on RTNSS process issued on September 7, 1993. Westinghouse provided comments on the draft Commission paper in a letter dated October 5, 1993. A meeting between Westinghouse and the NRC staff is planned for November 8, 1993, to discuss the AP600 implementation of the RTNSS process.

October 11, 1993

Your letter of August 30, 1993, also requests that Westinghouse submit its planned updates to the AP600 SSAR in the November-December 1993 timeframe to facilitate the ongoing staff review and to support the staff development of the DSER. Our schedule for submittal of the SSAR updates is January 13, 1993. While this date does not fully support your request for a November-December submittal, we believe that the January date enables Westinghouse to incorporate proposed SSAR changes that have been identified in our responses to NRC requests for additional information (RAI), while still supporting NRC staff review needs. To assist the staff in better understanding the implications of the proposed SSAR changes, we have compiled a list, by SSAR section, of those RAIs that have resulted in proposed changes to SSAR content. This list is provided as Attachment 1. To assist the staff in preparing the AP600 DSER, the updated SSAR will also be submitted on an electronic media.

A third item identified in your letter is a proposal to issue the AP600 DSER in two stages. The first portion, scheduled for issuance in May 1994, would consist of those chapters that should not be significantly affected by the results of the AP600 design certification test program. The second portion would be issued after the staff has had the opportunity to review the test results and their impact on RTNSS resolutions. We believe that this approach, as identified in your letter, will make efficient use of NRC and Westinghouse resources. We further believe that this approach, with close management attention, will have only minor impact on the overall AP600 design certification process. The integrated design certification schedule prepared by Westinghouse has been revised to reflect the development and issuance of the "analysis" DSER following completion of the AP600 tests. A copy of this schedule is provided as an Enclosure to this letter.

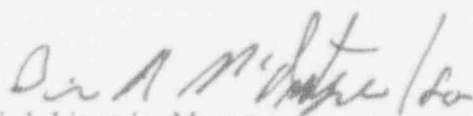
We encourage the NRC to continue its review of those portions of the AP600 SSAR analysis chapters (Chapters 4, 6 and 15) which are likely to be only minimally affected, if at all, by the AP600 test program (e.g., fuel/core design, Large Break LOCA analysis). This will serve to identify any issues early and will minimize those areas which must be addressed in the "analysis" DSER. Additionally, we believe that the rapid submittal of the AP600 RTNSS resolution implementation will allow the staff to address and resolve the RTNSS technical and procedural areas in the May, 1994 DSER.

A fourth item identified in your letter is a request that Westinghouse finalize the AP600 ITAAC after the design has been completed and all portions of the DSER have been issued by the staff. Your letter also recommends that discussion continue between Westinghouse and NRC staff on policy issues concerning the contents of the ITAAC. We have had the benefit of several discussions with your staff on this topic. We believe that the ITAAC development and review process, outlined in the enclosed integrated schedule, accommodates your request. This process allows for efficient use of the time period prior to issuance of the ITAAC to resolve ITAAC policy and content issues.

The Enclosure includes the AP600 testing program schedules as of October 1, 1993. Any changes in these testing program schedules will be reflected in an update to the integrated schedule.

October 11, 1993

Please contact Brian A. McIntyre on (412)374-4334, if you have any questions concerning this letter.


N. J. Liparulo, Manager
Nuclear Safety & Regulatory Activities

/nja

Attachment
Enclosure

cc: R. W. Borchardt, NRC
T. Kenyon, NRC
R. Hasselberg, NRC

Attachment to Westinghouse Letter ET-NRC-93-3986

SSAR Sections to be Revised as Committed in Responses to NRC RAIs

<u>SSAR CHAPTER</u>	<u>SSAR SECTION</u>	<u>SSAR SUBSECTION</u>	<u>RAIs INVOLVED</u>
01	0102	0102F24	620.001
		0108T1	250.010
	0108		435.005
			410.052
			480.006
		0109	100.005
		010902	210.002
		010903	100.008
		010904	100.002R01
		01090502	250.016
		01A	250.020
			252.069
			252.073
			252.074
			252.075
			252.120
			435.001
			251.007
			251.009
	01B	01B	100.002R01
02	0200	0200T1	220.017
			220.022
	0205	0205	231.001
			231.002R01
			231.010
03	0302		220.017
		0302	410.093
		0302T2	460.006
	0303	0302T3	460.006
		03030101	220.021
		030501010201	410.055
	0305	030501010204	410.061
		030501020104	410.067
		03050103	410.052
		030503	220.023
		030504	410.052
		030505	410.052

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<u>SSAR CHAPTER</u>	<u>SSAR SECTION</u>	<u>SSAR SUBSECTION</u>	<u>RAIs INVOLVED</u>
03	0306	03060101	410.092
		0306020101	210.006
		030603	252.006
		03060301	252.006
		03060302	252.005
	0307	03070103	210.013
			230.008
		030701F6	230.006
		030701F7	230.006
		030701F8	230.006
		030702	231.014
		0307020301	230.012
		03070204	230.017
		03070205	230.019
		03070207	230.021
		03070208	460.006
		03070302	210.007
		0307030801	210.010
		030703080201	210.010
		0307030803	210.010
	0307	03070309	210.011
		0307031303	210.003
		03070315	210.014
		03070404	230.005
		030705	230.011
			230.008
		030802040202	220.009R01
		030802040208	220.009R01
		030802T02	220.009R01
		030802T1	220.002
	0308	0308040401	231.006
		030806	220.009R01

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<u>SSAR CHAPTER</u>	<u>SSAR SECTION</u>	<u>SSAR SUBSECTION</u>	<u>RAIs INVOLVED</u>
03	0309	030901010211	100.008
		03090102	210.015
		0309030102	210.007
		0309030103	210.019
		0309030202	210.007
		03090304	210.010
		03090403	210.007
		0309T3	210.007
		0309T4	210.007
		0309T5	210.007
		0309T6	210.007
		0309T7	210.007
		0309T8	210.007
		0309T9	210.007
			210.019
		0309T11	210.007
		0309T15	210.015
	0311	03110102	270.001
		03110201	270.002
			270.003
	03A	03A030103	220.018
			220.019
		03A05	220.020
	03D	03D	210.007
	03E	03E	210.006
04	0405	04050101	252.032
			252.036
		040502	252.042
		04050201	252.044
05	0502	05020301	252.051
		0502030301	252.057
			252.059
		0502030403	252.060
		050204	250.004
		05020402	250.003
		0502050301	252.008
		0502T1	252.052
		0502T2	281.001

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<u>SSAR CHAPTER</u>	<u>SSAR SECTION</u>	<u>SSAR SUBSECTION</u>	<u>RAIs INVOLVED</u>
05	0503	05030204	252.089
		05030205	252.090
		05030206	252.095
		05030406	252.098
		050305	252.091
		0503F2	252.103
		0503F3	252.103
		0503T1	252.083
		0503T3	252.086
			252.088
	0504	0503T7	252.090
		050401030603	252.098
			251.003
			251.007
			251.008
			251.009
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		050401102	410.022
		0504020303	252.109
			252.111
		0504020401	252.113
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		05040205	250.013
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			250.017
			250.018
			250.019
			250.010
			250.020
		05040206	250.014
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		0504070202	440.030
		0504F2	250.011
		0504T2	251.003

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<u>SSAR CHAPTER</u>	<u>SSAR SECTION</u>	<u>SSAR SUBSECTION</u>	<u>RAIs INVOLVED</u>
06	0601	060101	252.136
		06010101	252.118
		06010103	252.126
		06010106	252.127
		0601T1	252.119
			252.118
	0602	0602020204	720.026
	0605	060502	450.009
	0606	060601	250.023
		060602	250.022
07	0701	070101	420.012
			420.013
			420.017
		07010202	420.069
		0701020201	420.021
		07010210	420.034
			420.031
		07010305	420.034
		070106	420.031
		0701F10	420.033
	0702	0701F13	420.034
		0701F22	420.034
		0702010110	420.046
		07020201	420.002R01
		070203	420.002R01
		0702F1	420.094
		0702T3	420.046
		070301010407	420.092
		0703010105	420.092
		07030201	420.002R01
	0703	0703T1	420.092
		0703T4	420.092
	0705	0705T1	420.077
			420.079
			420.081
		0705T9	420.077
08	0803	0803010101	435.008
		0803010303	435.018

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<u>SSAR CHAPTER</u>	<u>SSAR SECTION</u>	<u>SSAR SUBSECTION</u>	<u>RAIs INVOLVED</u>
09	0903	090303010202	281.011
			281.012
		0903030202	281.012
		0903030402	281.012
	0904	090303T3	281.012
		090401F1	410.025
		09040202	410.098
		0904020202	410.098
		0904020203	410.098
		090402T1	410.098
		090402F1	410.098
		090402F2	410.098
		090402F3	410.098
		0904100102	410.103
		090502	420.106
	0905		
10	1002	10020302	251.027
			720.001
		10020306	410.052
		100206	720.001
11	1101	1101	460.008
		110103	460.008
		110106	460.008
		1101T7	460.008
		1101T8	460.008
	1102	11020302	460.003
		11020303	460.008
		11020304	460.008
		1102F3	460.003
		1102T1	460.009
		1102T2	471.001
		1102T6	460.008
			460.009
	1103		460.010
		1102T7	460.008
		1102T8	460.008
		11030304	460.010
		1103T3	460.010
		1103T4	460.010

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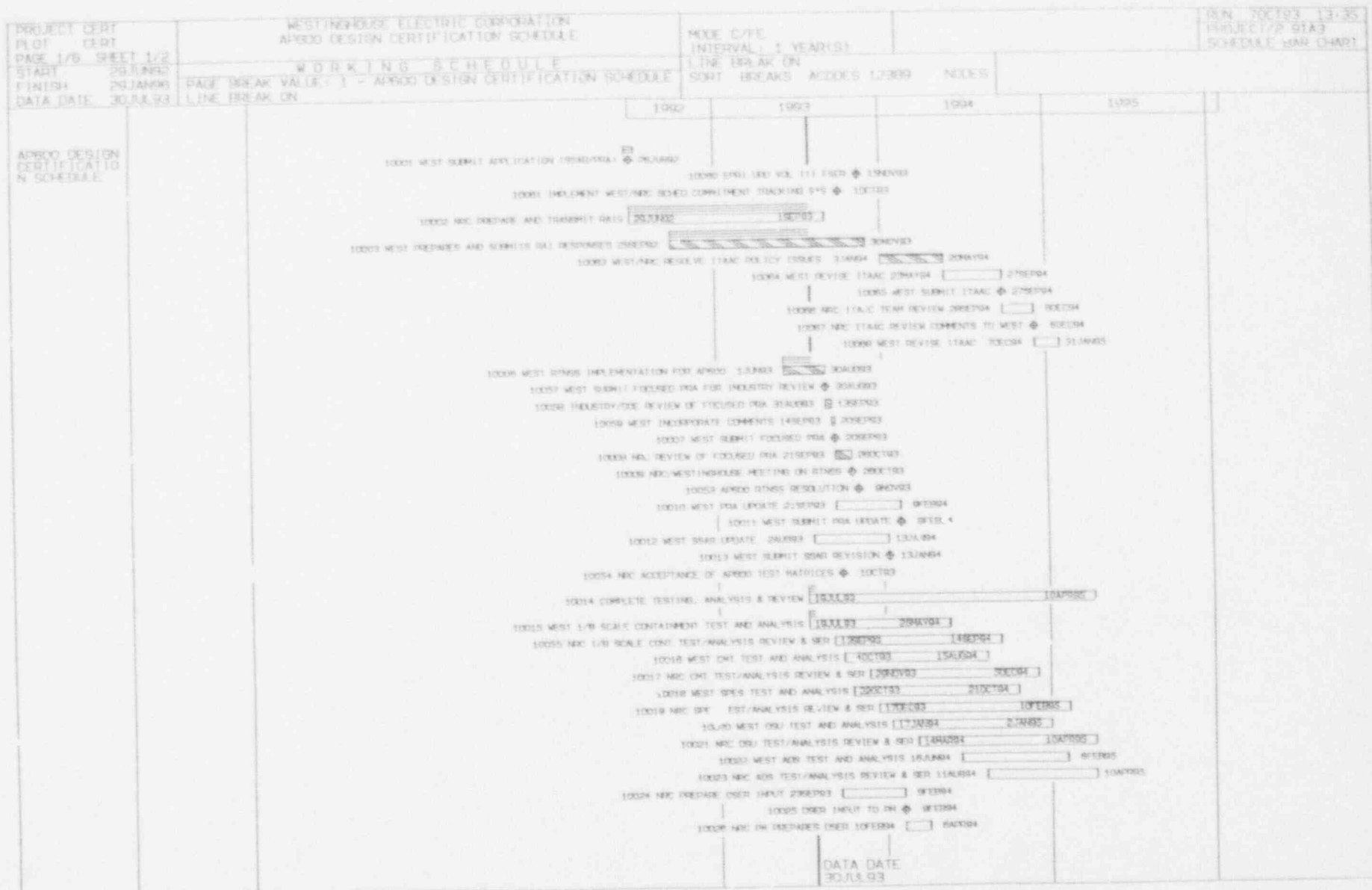
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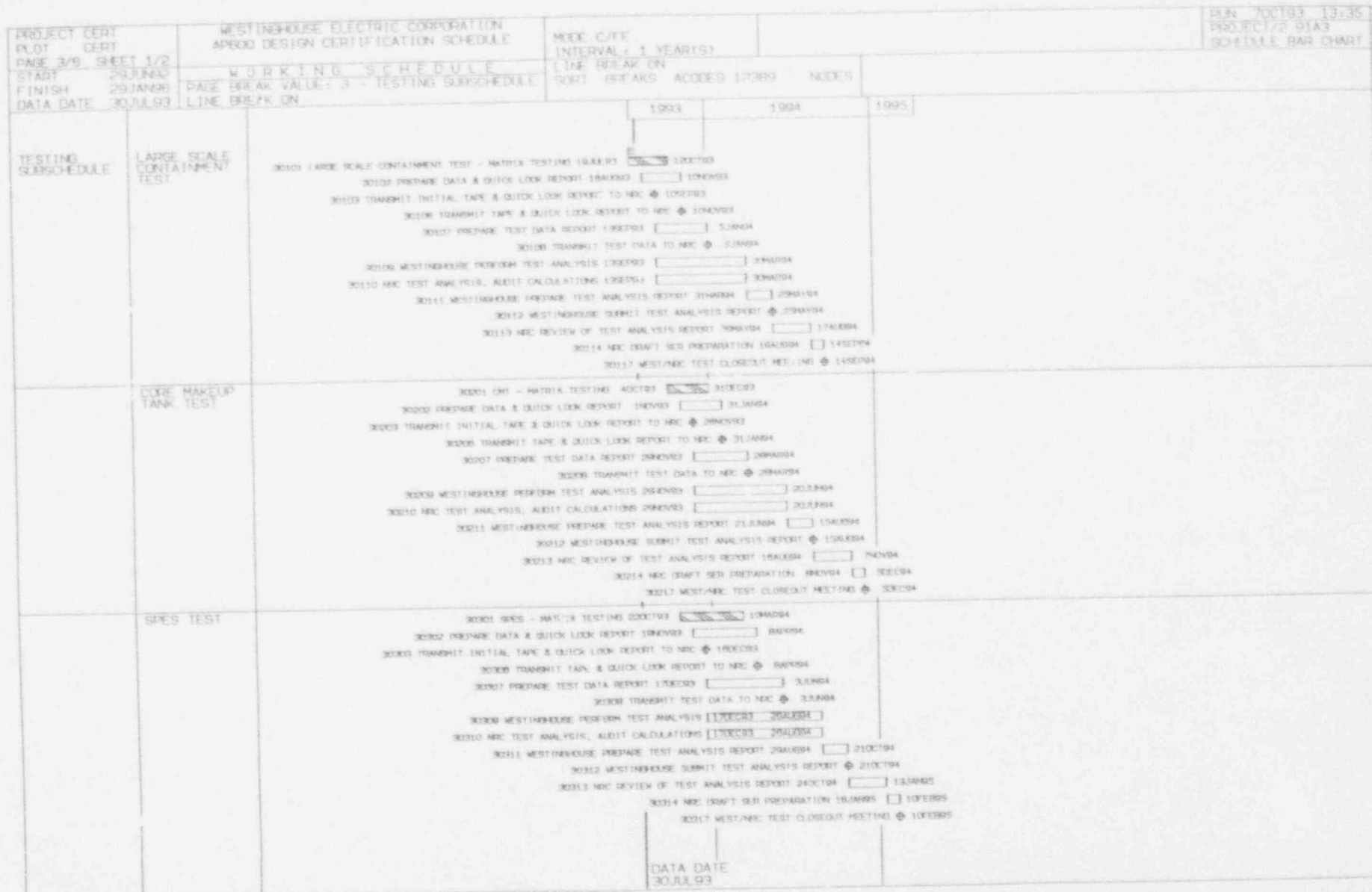
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		11050602	471.006
		11050603	471.006
		11050604	471.006
		11050605	471.006
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		11050608	471.006
		11050609	471.006
		11050610	471.006
		11050611	471.006
		1105T1	460.016
			420.081
		1105T2	471.006
12	1203	1203	471.002R01
		1203F1	471.002R01
		1203F2	471.002R01
	1204	12040101	471.016
14	1402	1402	260.001
		140201	260.002
			260.008
		14020101	260.003
		14020102	260.004
		140202	260.005
		140204	260.006
		14020601	260.007
16	1601	140208	260.010
		1601	630.008
			630.009
			420.092
			440.028
	1602		450.001
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	1603	16020303	630.004
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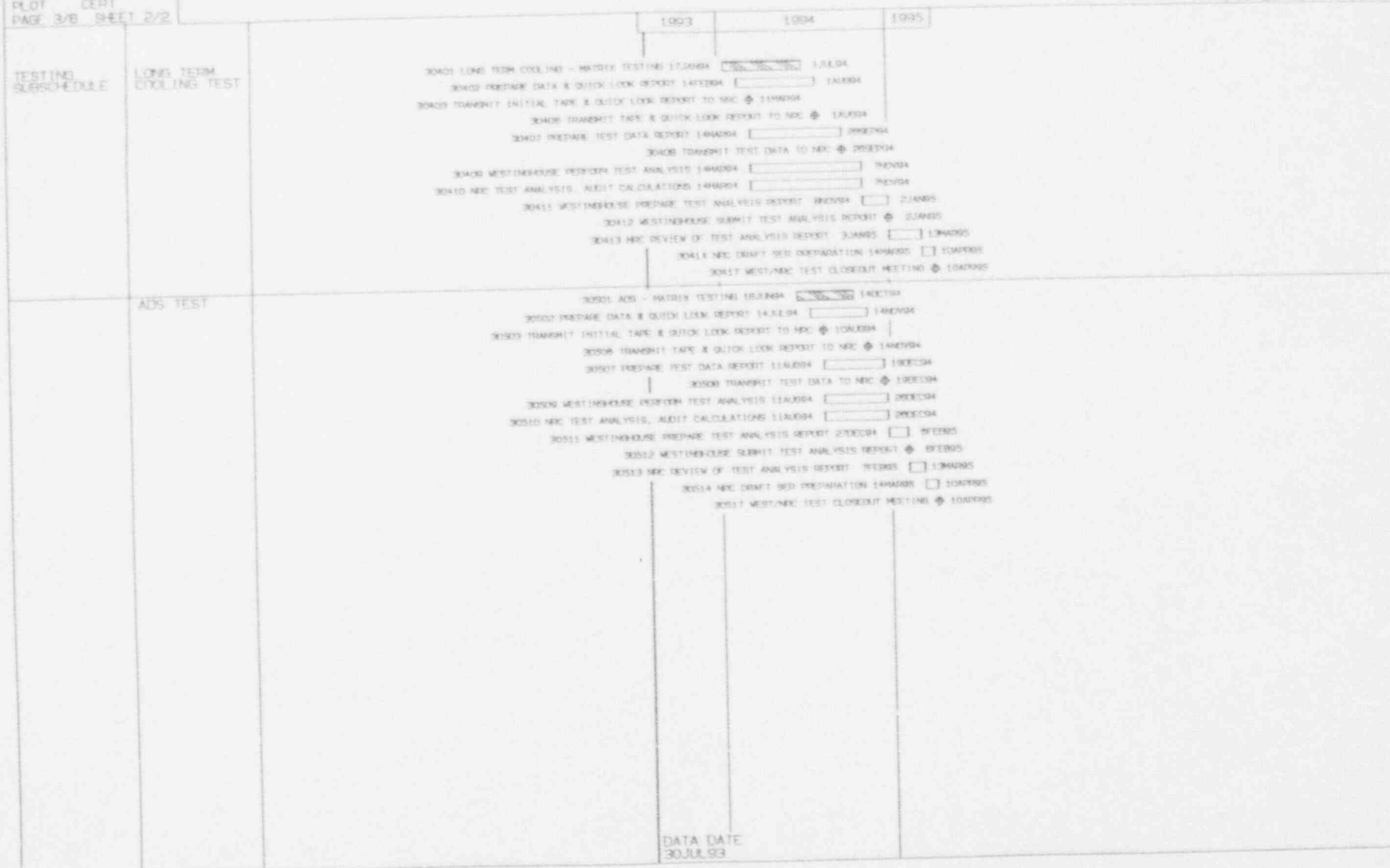
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<u>SSAR CHAPTER</u>	<u>SSAR SECTION</u>	<u>SSAR SUBSECTION</u>	<u>RAIs INVOLVED</u>
18	1803	180302	620.008
	1804	1804F1	620.016
	1805	1805	620.019
	1806	1806	620.027
		180604	620.063
		180802T2	620.019
	1808		
	1809	18090101	620.045
		1809020401	420.083
		180907	420.082



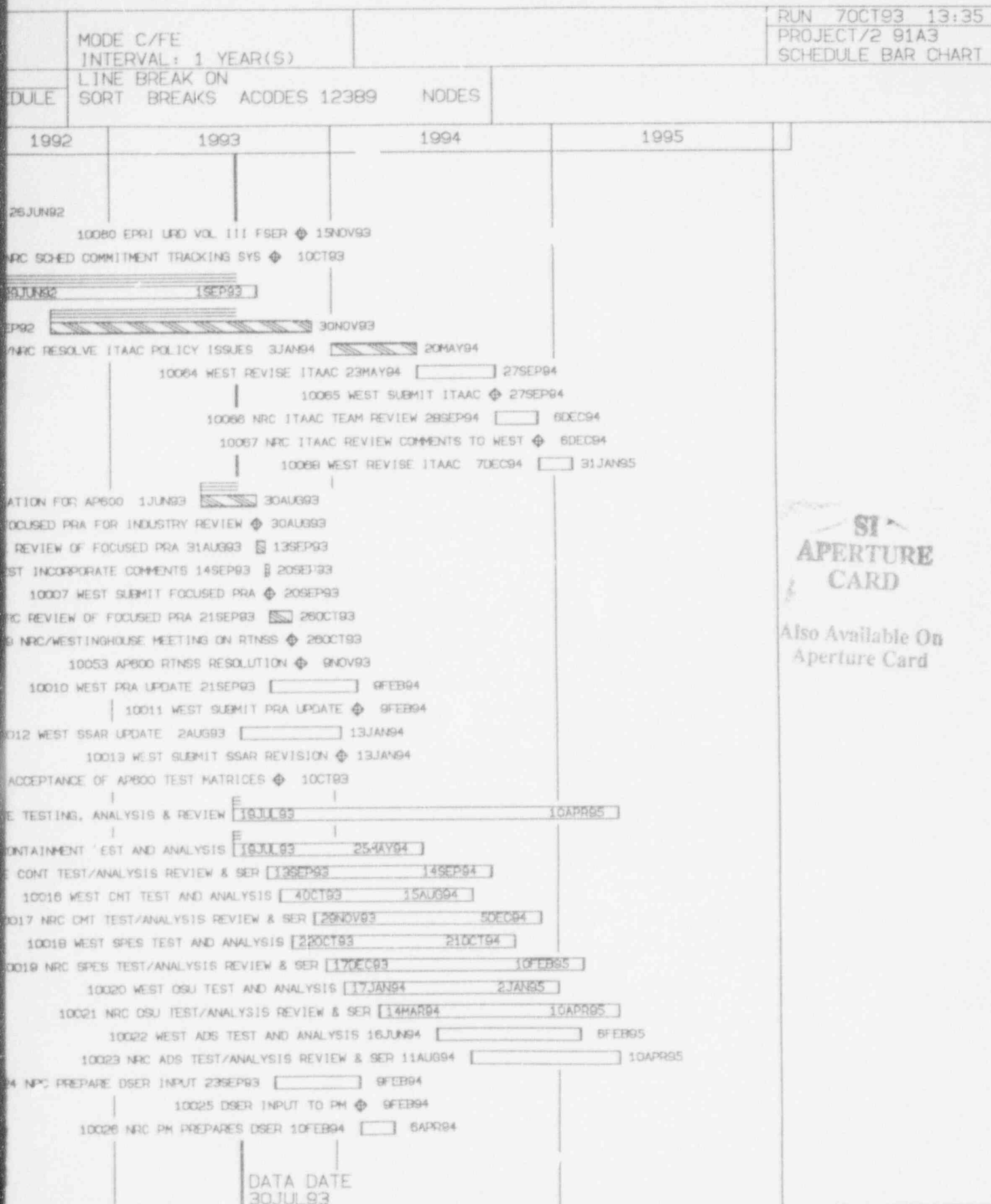




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	80021 WEST COLLECT/IDENTIFY SSAR REVISIONS/IMPACTS 10MAY94 <input type="checkbox"/> 29MAY94 80022 WEST AUTHORS INCORPORATE SSAR REVISIONS 29MAY94 <input type="checkbox"/> 18JUL94 80023 WEST DRAFT SSAR SECTIONS AVAILABLE <input checked="" type="checkbox"/> 18JUL94 80025 WEST TECH EDITOR REV OF DRAFT SSAR SECT PART 1 18JUL94 <input type="checkbox"/> 1AUG94 80026 WEST AUTHORS INCORPORATE TECH ED COMMENTS PART 1 2AUG94 <input type="checkbox"/> 15AUG94 80027 WEST SEND SSAR REVS PART 1 TO RED TEAM REVIEW 15AUG94 <input type="checkbox"/> 15AUG94 80028 WEST SSAR PART 1 RED TEAM REVIEW 25AUG94 <input type="checkbox"/> 1SEP94 80029 WEST AUTHORS INCORP RED TEAM COMMENTS PART 1 25SEP94 <input type="checkbox"/> 15SEP94 80030 WEST TECH EDITOR REV OF DRAFT SSAR SECT PART 2 2AUG94 <input type="checkbox"/> 15AUG94 80031 WEST AUTHORS INCORPORATE TECH ED COMMENTS PART 2 16AUG94 <input type="checkbox"/> 29AUG94 80032 WEST SEND SSAR REVS PART 2 TO RED TEAM REVIEW 30AUG94 <input type="checkbox"/> 1SEP94 80033 WEST SSAR PART 2 RED TEAM REVIEW 30SEP94 <input type="checkbox"/> 15SEP94 80034 WEST AUTHORS INCORPORATE RED TEAM COMMENTS PART 1 15SEP94 <input type="checkbox"/> 29SEP94 80035 WEST SSAR PART 1 PRE-PUBLICATION CONSISTENCY REV 15SEP94 <input type="checkbox"/> 29SEP94 80036 WEST SSAR PART 2 PRE-PUBLICATION CONSISTENCY REV 30SEP94 <input type="checkbox"/> 30SEP94 80037 WEST SSAR PART 1 PUBLICATION 28SEP94 <input type="checkbox"/> 29SEP94 80038 WEST SSAR PART 2 PUBLICATION 7OCT94 <input type="checkbox"/> 13OCT94 80039 WEST SUBMIT REVISED SSAR-PRINTED/ELECTRONIC FORM <input checked="" type="checkbox"/> 13OCT94		
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PROJECT CERT PLOT CERT PAGE 1/6 SHEET 1/2	WESTINGHOUSE ELECTRIC CORPORATION AP600 DESIGN CERTIFICATION SCHEDULE	
START 29JUN92 FINISH 29JAN96 DATA DATE 30JUL93	WORKING SCHEDULE PAGE BREAK VALUE: 1 - AP600 DESIGN CERTIFICATION SCHEDULE LINE BREAK ON	
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SI
APERTURE
CARD

Also Available On
Aperture Card

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PROJECT CERT
PLOT CERT
PAGE 1/6 SHEET 2/2

AP600 DESIGN
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N SCHEDULE

1

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RUN 7OCT93 13:35
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SCHEDULE BAR CHART

1992	1993	1994	1995
	<p>10027 NRC OGC REVIEW 10FEB94 <input type="checkbox"/> 8APR94</p> <p>10028 NRC DSER TO ACRS/COMMISSION <input checked="" type="checkbox"/> 6APR94</p> <p>10029 COMMISSION/ACRS REVIEW OF DSER 7APR94 <input type="checkbox"/> 4MAY94</p> <p>10030 DSER TO WESTINGHOUSE <input checked="" type="checkbox"/> 9MAY94</p> <p>10031 WEST PREPARES DSER RESPONSES 10MAY94 <input type="checkbox"/> 1AUG94</p> <p>10032 WEST PREPARES FINAL SSAR/PRA/TS <input type="checkbox"/> 10MAY94 <input checked="" type="checkbox"/> 8FEB95</p> <p>10033 WEST SUBMITS DSER RESPONSES <input checked="" type="checkbox"/> 1AUG94</p> <p>10034 WEST SUBMITS SSAR/ITAAC/PRA/TS <input checked="" type="checkbox"/> 8FEB95</p> <p>10069 NRC PREPARE ANALYSIS DSER 7FEB95 <input checked="" type="checkbox"/> 27MAR95</p> <p>10070 ANALYSIS DSER TO PM <input checked="" type="checkbox"/> 27MAR95</p> <p>10071 NRC PM PREPARES ANALYSIS DSER 28MAR95 <input type="checkbox"/> 10APR95</p> <p>10072 NRC OGC REVIEW 28MAR95 <input type="checkbox"/> 10APR95</p> <p>10073 COMMISSION/ACRS REVIEW 11APR95 <input checked="" type="checkbox"/> 8MAY95</p> <p>10074 ANALYSIS DSER TO WEST <input checked="" type="checkbox"/> 8MAY95</p> <p>10075 WEST PREPARE ANALYSIS DSER RESPONSES 9MAY95 <input checked="" type="checkbox"/> 19JUN95</p> <p>10035 NRC PREPARE FSER INPUT 28MAR95 <input checked="" type="checkbox"/> 17JUL95</p> <p>10036 FSER INPUT TO PM <input checked="" type="checkbox"/> 17JUL95</p> <p>10037 NRC PM PREPARES FSER 18JUL95 <input checked="" type="checkbox"/> 11SEP95</p> <p>10038 NRC OGC/EDITORIAL REVIEW OF FSER 18JUL95 <input type="checkbox"/> 8OCT95</p> <p>10039 FSER TO ACRS/COMMISSION <input checked="" type="checkbox"/> 11SEP95</p> <p>10040 COMMISSION REVIEW OF FSER 12SEP95 <input type="checkbox"/> 8OCT95</p> <p>10041 ACRS REVIEW OF FSER 12SEP95 <input checked="" type="checkbox"/> 4DEC95</p> <p>10042 FSER TO WESTINGHOUSE <input checked="" type="checkbox"/> 12OCT95</p> <p>10043 COMMISSION DECISION <input checked="" type="checkbox"/> 4DEC95</p> <p>10044 FSER ISSUED FOR PUBLICATION <input checked="" type="checkbox"/> 18DEC95</p> <p>10045 WEST PREPARES DCD 7FEB95 <input type="checkbox"/> 24JUL95</p> <p>10046 DCD SUBMITTED BY WESTINGHOUSE <input checked="" type="checkbox"/> 24JUL95</p> <p>10058 NRC REVIEW OF DCD 25JUL95 <input type="checkbox"/> 21AUG95</p> <p>10047 NRC DRAFTS FDA&FR NOTICE 5DEC95 <input checked="" type="checkbox"/> 1JAN96</p> <p>10048 FDA&FR NOTICE REVIEW 2JAN96 <input type="checkbox"/> 22JAN96</p> <p>10049 FDA&FR NOTICE ISSUED <input checked="" type="checkbox"/> 22JAN96</p> <p>10050 NRC DRAFT PROPOSED RULES 2JAN96 <input type="checkbox"/> 15JAN96</p> <p>10051 COMMISSION REVIEW OF PROPOSED RULE 16JAN96 <input checked="" type="checkbox"/> 29JAN96</p> <p>10052 NRC ISSUE PROPOSED RULE AND FR NOTICE <input checked="" type="checkbox"/> 29JAN96</p>		
	DATA DATE 30JUL93		

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PROJECT CERT PLOT CERT PAGE 3/6 SHEET 1/2		WESTINGHOUSE ELECTRIC CORPORATION AP600 DESIGN CERTIFICATION SCHEDULE		MODE C/FE INTERVAL: 1 YEAR
START 29JUN92 FINISH 29JAN96 DATA DATE 30JUL93		WORKING SCHEDULE PAGE BREAK VALUE: 3 - TESTING SUBSCHEDULE LINE BREAK ON		LINE BREAK ON SORT BREAKS AC
TESTING SUBSCHEDULE	LARGE SCALE CONTAINMENT TEST	1993		
		30101 LARGE SCALE CONTAINMENT TEST - MATRIX TESTING 19JUL93		
		30102 PREPARE DATA & QUICK LOOK REPORT 18AUG93		
		30103 TRANSMIT INITIAL TAPE & QUICK LOOK REPORT TO NRC 10SEP		
		30106 TRANSMIT TAPE & QUICK LOOK REPORT TO NRC		
		30107 PREPARE TEST DATA REPORT 13SEP93		
		30108 TRANSMIT TEST DATA TO NRC		
		30109 WESTINGHOUSE PERFORM TEST ANALYSIS 13SEP93		
		30110 NRC TEST ANALYSIS, AUDIT CALCULATIONS 13SEP93		
		30111 WESTINGHOUSE PREPARE TEST ANALYSIS REPORT		
	CORE MAKEUP TANK TEST	30112 WESTINGHOUSE SUBMIT TEST ANALYSIS		
		30113 NRC REVIEW OF TEST ANALYSIS REPORT		
		30114 NRC DRAFT SER		
		30117 WEST/NRC		
		30201 CMT - MATRIX TESTING 40CT93		
		30202 PREPARE DATA & QUICK LOOK REPORT 1NOV93		
		30203 TRANSMIT INITIAL TAPE & QUICK LOOK REPORT TO NRC		
		30206 TRANSMIT TAPE & QUICK LOOK REPORT TO NRC		
		30207 PREPARE TEST DATA REPORT 29NOV93		
		30208 TRANSMIT TEST DATA TO NRC		
	SPES TEST	30209 WESTINGHOUSE PERFORM TEST ANALYSIS 29NOV93		
		30210 NRC TEST ANALYSIS, AUDIT CALCULATIONS 29NOV93		
		30211 WESTINGHOUSE PREPARE TEST ANALYSIS REPORT		
		30212 WESTINGHOUSE SUBMIT TEST ANALYSIS		
		30213 NRC REVIEW OF TEST ANALYSIS REPORT		
		30214 NRC DRAFT SER		
		30217 WEST/NRC		
		30301 SPES - MATRIX TESTING 22OCT93		
		30302 PREPARE DATA & QUICK LOOK REPORT 18NOV93		
		30303 TRANSMIT INITIAL TAPE & QUICK LOOK REPORT TO NRC		
		30306 TRANSMIT TAPE & QUICK LOOK REPORT TO NRC		
		30307 PREPARE TEST DATA REPORT 17DEC93		
		30308 TRANSMIT TEST DATA TO NRC		
		30309 WESTINGHOUSE PERFORM TEST ANALYSIS		
		30310 NRC TEST ANALYSIS, AUDIT CALCULATIONS		
		30311 WESTINGHOUSE PREPARE TEST ANALYSIS REPORT		
		30312 WESTINGHOUSE SUBMIT TEST ANALYSIS		
		30313 NRC REVIEW OF TEST ANALYSIS REPORT		
		30314 NRC DRAFT SER		
		30317 WEST/NRC		

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1994	1995
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CT93
 ONOV93
 93
 10NOV93
☐ 5JAN94
 C \diamond 5JAN94
☐ 30MAR94
☐ 30MAR94
 31MAR94 ☐ 25MAY94
 LYSIS REPORT \diamond 25MAY94
 PORT 26MAY94 ☐ 17AUG94
 PREPARATION 16AUG94 ☐ 14SEP94
 TEST CLOSEOUT MEETING \diamond 14SEP94

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☒ 31DEC93
☐ 31JAN94
 \diamond 26NOV93
 NRC \diamond 31JAN94
☐ 28MAR94
 A TO NRC \diamond 23MAR94
☐ 20JUN94
☐ 20JUN94
 REPORT 21JUN94 ☐ 15AUG94
 TEST ANALYSIS REPORT \diamond 15AUG94
 YSIS REPORT 16AUG94 ☐ 7NOV94
 T SER PREPARATION 8NOV94 ☐ SDEC94
 T/NRC TEST CLOSEOUT MEETING \diamond SDEC94

☒ 10MAR94
☐ 8APR94
 \diamond 18DEC93
 RT TO NRC \diamond 8APR94
☐ 3JUN94
 T DATA TO NRC \diamond 3JUN94
 S ☐ 17DEC93 ☐ 26AUG94
 S ☐ 17DEC93 ☐ 26AUG94
 LYSIS REPORT 28AUG94 ☐ 21OCT94
 MIT TEST ANALYSIS REPORT \diamond 21OCT94
 ANALYSIS REPORT 24OCT94 ☐ 13JAN95
 C DRAFT SER PREPARATION 16JAN95 ☐ 10FEB95
 17 WEST/NRC TEST CLOSEOUT MEETING \diamond 10FEB95

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PROJECT CERT
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PAGE 3/6 SHEET 2/2

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TESTING
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LONG TERM
COOLING TEST














30401 LONG TERM COOLING - MATRIX TESTING 17
30402 PREPARE DATA & QUICK LOOK REPORT
30403 TRANSMIT INITIAL TAPE & QUICK LOOK REPORT
30406 TRANSMIT TAPE & QUICK LOOK REPORT
30407 PREPARE TEST DATA REPORT
30408
30409 WESTINGHOUSE PERFORM TEST ANALYSIS
30410 NRC TEST ANALYSIS, AUDIT CALCULATION
30411 WESTINGHOUSE PREPARE
30412 WESTINGHOUSE
30413 NRC REVIEW

ADS TEST

30501 ADS - MATRIX
30502 PREPARE DATA & QUICK LOOK REPORT
30503 TRANSMIT INITIAL TAPE & QUICK LOOK REPORT
30506 TRANSMIT TAPE & QUICK LOOK REPORT
30507 PREPARE TEST DATA REPORT
30509 WESTINGHOUSE PERFORM TEST ANALYSIS
30510 NRC TEST ANALYSIS, AUDIT CALCULATION
30511 WESTINGHOUSE PREPARE
30512 WESTINGHOUSE
30513 NRC REVIEW














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SCHEDULE BAR CHART

	1994	1995	
AN94		1JUL94	
4FEB94		1AUG94	
RT TO NRC		11MAR94	
LOOK REPORT TO NRC		1AUG94	
14MAR94		26SEP94	
TRANSMIT TEST DATA TO NRC		26SEP94	
14MAR94		7NOV94	
14MAR94		7NOV94	
TEST ANALYSIS REPORT	8NOV94		2JAN95
HOUSE SUBMIT TEST ANALYSIS REPORT		2JAN95	
OF TEST ANALYSIS REPORT	3JAN95		13MAR95
414 NRC DRAFT SER PREPARATION	14MAR95		10APR95
30417 WEST/NRC TEST CLOSEOUT MEETING		10APR95	

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TESTING	18JUN94		14OCT94
LOOK REPORT	14JUL94		14NOV94
CK LOOK REPORT TO NRC		10AUG94	
PE & QUICK LOOK REPORT TO NRC		14NOV94	
T DATA REPORT	11AUG94		19DEC94
30508 TRANSMIT TEST DATA TO NRC		19DEC94	
TEST ANALYSIS	11AUG94		26DEC94
CALCULATIONS	11AUG94		26DEC94
ARE TEST ANALYSIS REPORT	27DEC94		6FEB95
NGHOUSE SUBMIT TEST ANALYSIS REPORT		6FEB95	
VIEW OF TEST ANALYSIS REPORT	7FEB95		13MAR95
514 NRC DRAFT SER PREPARATION	14MAR95		10APR95
30517 WEST/NRC TEST CLOSEOUT MEETING		10APR95	

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PROJECT CERT PLOT CERT PAGE 4/6 SHEET 1/1		WESTINGHOUSE ELECTRIC CORPORATION AP600 DESIGN CERTIFICATION SCHEDULE		MO IN
START 29JUN92 FINISH 29JAN96 DATA DATE 30JUL93		WORKING SCHEDULE PAGE BREAK VALUE: 4 - AP600 ITAAC DEVELOPMENT SCHEDULE LINE BREAK ON		LI SO
AP600 ITAAC DEVELOPMENT SCHEDULE		1994		
		40001 WEST DEVELOP ITAAC AUTHOR GUIDANCE-FORMAT/CONTEN 23MAY94 <input checked="" type="checkbox"/> 3JUN94 40002 WEST ITAAC AUTHOR TRAINING 8JUN94 <input checked="" type="checkbox"/> 8JUN94 40003 WEST REVISE ITAAC 10JUN94 <input type="checkbox"/> 21J 40004 WEST DRAFT ITAAC AVAILABLE <input checked="" type="checkbox"/> 21J 40005 WEST TECHNICAL EDITOR REVIEW OF DRAFT ITAAC 22JUL94 <input checked="" type="checkbox"/> 28J 40006 WEST AUTHORS INCORPORATE TECH EDITORS COMMENTS 29JUL94 <input type="checkbox"/> 1S 40007 WEST SEND DRAFT ITAAC TO RED TEAM FOR REVIEW 12AUG94 <input checked="" type="checkbox"/> 1S 40008 WEST ITAAC RED TEAM REVIEW 24AUG94 <input type="checkbox"/> 1S 40009 WEST ITAAC AUTHORS INCORPORATE RED TEAM COMMENTS 7SEP94 <input checked="" type="checkbox"/> 1S 40010 WEST ITAAC PRE-PUBLICATION CONSISTENCY REVIEW 14SEP94 40011 WEST ITAAC PUBLICATION 21SEP94 40012 WEST SUBMIT REV ITAAC-PRINTED/ELECTRONIC FORMAT 40013 WEST/NRC MEETING ON REVISED ITAAC		

MODE C/FE		RUN 7OCT93 13:35	
INTERVAL: 1 YEAR(S)		PROJECT/2 91A3	
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PROJECT CERT PLOT CERT PAGE 6/6 SHEET 1/1	WESTINGHOUSE ELECTRIC CORPORATION AP600 DESIGN CERTIFICATION SCHEDULE		MODE C INTERVA
START 29JUN92 FINISH 29JAN96 DATA DATE 30JUL93	WORKING SCHEDULE PAGE BREAK VALUE: 6 - AP600 SSAR REVISION SCHEDULE LINE BREAK ON		LINE B SORT
AP600 SSAR REVISION SCHEDULE		1993 60001 WEST COLLECT/IDENTIFY SSAR REVISIONS/IMPACTS 2AUG93 <input checked="" type="checkbox"/> 13AUG93 60002 WEST AUTHORS INCORPORATE SSAR REVISIONS 16AUG93 <input type="checkbox"/> 800 60003 WEST AUTHORS INCORPORATE RTNBS BASED REVISIONS 21SEP93 <input type="checkbox"/> 180 60004 WEST DRAFT SSAR SECTIONS AVAILABLE <input checked="" type="checkbox"/> 18 60005 WEST TECH EDITOR REV OF DRAFT SSAR SECT PART 1 19OCT93 <input type="checkbox"/> 1 60006 WEST AUTHORS INCORPORATE TECH ED COMMENTS PART 1 2NOV93 <input type="checkbox"/> 1 60007 WEST SEND SSAR REVS PART 1 TO RED TEAM REVIEW 16NOV93 <input type="checkbox"/> 1 60008 WEST SSAR PART 1 RED TEAM REVIEW 28NOV93 <input type="checkbox"/> 1 60009 WEST ALTHORS INCORP RED TEAM COMMENTS PART 1 30DEC93 <input type="checkbox"/> 1 60010 WEST TECH EDITOR REV OF DRAFT SSAR SECT PART 2 2NOV93 <input type="checkbox"/> 1 60011 WEST AUTHORS INCORPORATE TECH ED COMMENTS PART 2 18NOV93 <input type="checkbox"/> 1 60012 WEST SEND SSAR REVS PART 2 TO RED TEAM REVIEW 30NOV93 <input type="checkbox"/> 1 60013 WEST SSAR PART 2 RED TEAM REVIEW 10DEC93 <input type="checkbox"/> 1 60014 WEST AUTHORS INCORPORATE RED TEAM COMMENTS PART 17DEC93 <input type="checkbox"/> 1 60015 WEST SSAR PART 1 PRE-PUBLICATION CONSISTENCY REV 17DEC93 <input type="checkbox"/> 1 60016 WEST SSAR PART 2 PRE-PUBLICATION CONSISTENCY REV 31DEC93 <input type="checkbox"/> 1 60017 WEST SSAR PART 1 PUBLICATION 24DEC93 <input type="checkbox"/> 1 60018 WEST SSAR PART 2 PUBLICATION 7JAN94 <input type="checkbox"/> 1 60019 WEST SUBMIT REVISED SSAR-PRINTED/ELECTRONIC FOR	
		60021 WEST COLLECT/IDENTIFY SSAR REVISIONS/IMPACTS 60022 WEST AUTHORS INCORPORATE SSAR REVISIONS 60024 WEST DRAFT SSAR SECTIONS AVAILABLE 60025 WEST TECH EDITOR REV OF DRAFT SSAR SECT PART 1 60026 WEST AUTHORS INCORPORATE TECH ED COMMENTS PART 1 60027 WEST SEND SSAR REVS PART 1 TO RED TEAM REVIEW 60028 WEST SSAR PART 1 RED TEAM REVIEW 60029 WEST AUTHORS INCORP RED TEAM COMMENTS PART 1 60030 WEST TECH EDITOR REV OF DRAFT SSAR SECT PART 2 60031 WEST AUTHORS INCORPORATE TECH ED COMMENTS PART 2 60032 WEST SEND SSAR REVS PART 2 TO RED TEAM REVIEW 60033 WEST SSAR PART 2 RED TEAM REVIEW 60034 WEST AUTHORS INCORPORATE RED TEAM COMMENTS PART 2 60035 WEST SSAR PART 1 PRE-PUBLICATION CONSISTENCY REV 60036 WEST SSAR PART 2 PRE-PUBLICATION CONSISTENCY REV 60037 WEST SSAR PART 1 PUBLICATION 60038 WEST SSAR PART 2 PUBLICATION 60039 WEST SUBMIT REVISED SSAR-PRINTED/ELECTRONIC FOR	DATA D 30JUL93

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			PROJECT/2 91A3
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TS 10MAY94 23MAY94
 ONS 24MAY94 18JUL94
 CTIONS AVAILABLE 18JUL94
 T PART 1 18JUL94 1AUG94
 TS PART 1 2AUG94 15AUG94
 TEAM REVIEW 16AUG94 18AUG94
 TEAM REVIEW 26AUG94 1SEP94
 ENTS PART 1 2SEP94 15SEP94
 CT PART 2 2AUG94 15AUG94
 NTS PART 2 16AUG94 29AUG94
 TEAM REVIEW 30AUG94 1SEP94
 TEAM REVIEW 9SEP94 15SEP94
 OMMENTS PART 16SEP94 26SEP94
 NSISTENCY REV 16SEP94 22SEP94
 NSISTENCY REV 30SEP94 8OCT94
 1 PUBLICATION 23SEP94 26SEP94
 2 PUBLICATION 7OCT94 13OCT94

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