

Appendix b - 02. Wpa
from Sdk K 12/17/99

Sensitivity Case Analysis Cut Sets

SEQUENCE CUT SETS (QUANTIFICATION) REPORT

Family : SFP-CASE1 Sequence : 4
Analysis : RANDOM Event Tree : IE-FIR
Case : CURRENT Init. Event : IE-FIR
Mincut Upper Bound : 6.900E-004

Cut No.	% Total	% Cut Set	Prob/ Freq.	
1	100.0	100.0	6.9E-004	HEP-INV-OFFSITE, HEP-RES-FIRE

Event Tree : IE-FIR Sequence : 7
Mincut Upper Bound : 1.690E-004

Cut No.	% Total	% Cut Set	Prob/ Freq.	
1	81.7	81.7	1.4E-004	HEP-INV-OFFSITE, SFP-FIRE-DETECT
2	98.0	16.3	2.8E-005	HEP-INV-OFFSITE, SFP-FIRE-LOA
3	100.0	2.5	4.1E-006	HEP-DIAG-ALARM, HEP-INV-OFFSITE

Event Tree : IE-FIR Sequence : 8
Mincut Upper Bound : 1.259E-005

Cut No.	% Total	% Cut Set	Prob/ Freq.	
1	71.5	71.5	9.0E-006	HEP-DIAG-ALARM, HEP-WLKDOWN-DEPEN
2	95.3	23.8	3.0E-006	HEP-WLKDOWN-LSFPC, SFP-FIRE-DETECT
3	100.0	4.8	6.0E-007	HEP-WLKDOWN-LSFPC, SFP-FIRE-LOA

H8

Event Tree : IE-LOC Sequence : 4
Mincut Upper Bound : 9.823E-005

Cut No.	% Total	% Cut Set	Frequency	Cut Sets
1	82.5	82.5	8.100E-005	IE->IE-LOC, HEP-COOL-REP-E HEP-RECG-FWSTART
2	100.0	17.6	1.728E-005	IE->IE-LOC, HEP-COOL-REP-E, HEP-FW-START HEP-INV-OFFSITE
3	100.0	0.4	4.320E-007	IE->IE-LOC, FP-2PUMPS-FTF, HEP-COOL-REP-E HEP-FW-REP-DEPEN, HEP-INV-OFFSITE

Event Tree : IE-LOC Sequence : 8
Mincut Upper Bound : 6.706E-005

1	67.1	67.1	4.5E-005	HEP-COOL-REP-L, HEP-RECG-FWSTART, SPC-LVL-LOF
2	81.4	14.3	9.6E-006	HEP-COOL-REP-L, HEP-FW-START, HEP-INV-OFFSITE, SPC-LVL-LOF
3	94.8	13.4	9.0E-006	HEP-COOL-REP-L, HEP-RECG-FWSTART, SPC-LVL-LOF
4	97.7	2.9	1.9E-006	HEP-COOL-REP-L, HEP-FW-START, HEP-INV-OFFSITE, SPC-LVL-LOF
5	99.7	2.0	1.4E-006	HEP-COOL-REP-L, HEP-DIAG-ALARM, HEP-RECG-FWSTART
6	100.0	0.4	2.9E-007	HEP-COOL-REP-L, HEP-DIAG-ALARM, HEP-FW-START, HEP-INV-OFFSITE
7	100.0	0.4	2.4E-007	FP-2PUMPS-FTF, HEP-COOL-REP-L, HEP-FW-REP-DEPEN, HEP-INV-OFFSITE, SPC-LVL-LOF
8	100.0	0.1	4.8E-008	FP-2PUMPS-FTF, HEP-COOL-REP-L, HEP-FW-REP-DEPEN, HEP-INV-OFFSITE, SPC-LVL-LOF
9	100.0	0.0	7.2E-009	FP-2PUMPS-FTF, HEP-COOL-REP-L, HEP-DIAG-ALARM, HEP-FW-REP-DEPEN, HEP-INV-OFFSITE

Event Tree : IE-LOC Sequence : 9
Mincut Upper Bound : 6.297E-006

1	71.5	71.5	4.5E-006	HEP-DIAG-ALARM, HEP-WLKDOWN-DEPEN
2	95.3	23.8	1.5E-006	HEP-WLKDOWN-LSFPC, SPC-LVL-LOF
3	100.0	4.8	3.0E-007	HEP-WLKDOWN-LSFPC, SPC-LVL-LOF

SEQUENCE CUT SETS (QUANTIFICATION) REPORT

Event Tree : IE-LOI Sequence : 4
Mincut Upper Bound : 8.600E-005

Cut No.	% Total	% Cut Set	Prob/Freq.	CURRENT CUT SETS
1	82.0	82.0	7.1E-005	HEP-RECG-FWSTART, /LOI-NLL, SFP-REGMKUP-F
2	99.5	17.5	1.5E-005	HEP-FW-START, HEP-INV-OFFSITE, /LOI-NLL, SFP-REGMKUP-F
3	100.0	0.5	4.2E-007	HEP-MKUP-START, HEP-RECG-FWSTART, /LOI-NLL
4	100.0	0.1	9.0E-008	HEP-FW-START, HEP-INV-OFFSITE, HEP-MKUP-START, /LOI-NLL
5	100.0	0.1	5.6E-008	FP-2PUMPS-FTF, HEP-FW-REP-NODSM, HEP-INV-OFFSITE, /LOI-NLL, SFP-REGMKUP-F
6	100.0	0.0	3.4E-010	FP-2PUMPS-FTF, HEP-FW-REP-NODSM, HEP-INV-OFFSITE, HEP-MKUP-START, /LOI-NLL

Event Tree : IE-LOI Sequence : 8
Mincut Upper Bound : 7.353E-005

1	57.5	57.5	4.2E-005	HEP-MKUP-START-E, HEP-RECG-FWSTART, /LOI-NLL, SPC-LVL-LOF
2	69.8	12.3	9.0E-006	HEP-FW-START, HEP-INV-OFFSITE, HEP-MKUP-START-E, /LOI-NLL, SPC-LVL-LOF
3	81.3	11.5	8.5E-006	HEP-MKUP-START-E, HEP-RECG-FWSTART, /LOI-NLL, SPC-LVL-LOF
4	90.9	9.6	7.1E-006	HEP-RECG-FWSTART, /LOI-NLL, SFP-REGMKUP-F, SPC-LVL-LOF
5	93.4	2.5	1.8E-006	HEP-FW-START, HEP-INV-OFFSITE, HEP-MKUP-START-E, /LOI-NLL, SPC-LVL-LOF
6	95.4	2.1	1.5E-006	HEP-FW-START, HEP-INV-OFFSITE, /LOI-NLL, SFP-REGMKUP-F, SPC-LVL-LOF
7	97.3	1.9	1.4E-006	HEP-RECG-FWSTART, /LOI-NLL, SFP-REGMKUP-F, SPC-LVL-LOF
8	99.0	1.7	1.3E-006	HEP-DIAG-ALARM, HEP-MKUP-START-E, HEP-RECG-FWSTART, /LOI-NLL
9	99.5	0.4	3.0E-007	HEP-FW-START, HEP-INV-OFFSITE, /LOI-NLL, SFP-REGMKUP-F, SPC-LVL-LOF
10	99.8	0.4	2.7E-007	HEP-DIAG-ALARM, HEP-FW-START, HEP-INV-OFFSITE, HEP-MKUP-START-E, /LOI-NLL
11	100.0	0.3	2.1E-007	HEP-DIAG-ALARM, HEP-RECG-FWSTART, /LOI-NLL, SFP-REGMKUP-F
12	100.0	0.1	4.5E-008	HEP-DIAG-ALARM, HEP-FW-START, HEP-INV-OFFSITE, /LOI-NLL, SFP-REGMKUP-F
13	100.0	0.1	3.4E-008	FP-2PUMPS-FTF, HEP-FW-REP-NODSM,

				HEP-INV-OFFSITE, HEP-MKUP-START-E, /LOI-NLL, SPC-LVL-LOF
14	100.0	0.0	6.8E-009	FP-2PUMPS-FTF, HEP-FW-REP-NODSM, HEP-INV-OFFSITE, HEP-MKUP-START-E, /LOI-NLL, SPC-LVL-LOF
15	100.0	0.0	5.6E-009	FP-2PUMPS-FTF, HEP-FW-REP-NODSM, HEP-INV-OFFSITE, /LOI-NLL, SFP-REGMKUP-F, SPC-LVL-LOF
16	100.0	0.0	1.1E-009	FP-2PUMPS-FTF, HEP-FW-REP-NODSM, HEP-INV-OFFSITE, /LOI-NLL, SFP-REGMKUP-F, SPC-LVL-LOF
17	100.0	0.0	1.0E-009	FP-2PUMPS-FTF, HEP-DIAG-ALARM, HEP-FW-REP-NODSM, HEP-INV-OFFSITE, HEP-MKUP-START-E, /LOI-NLL
18	100.0	0.0	1.7E-010	FP-2PUMPS-FTF, HEP-DIAG-ALARM, HEP-FW-REP-NODSM, HEP-INV-OFFSITE, /LOI-NLL, SFP-REGMKUP-F

Event Tree : IE-LOI Sequence : 9
Mincut Upper Bound : 1.973E-005

1	71.5	71.5	1.4E-005	HEP-DIAG-ALARM, HEP-WLKDOWN-DEPEN, /LOI-NLL
2	95.3	23.8	4.7E-006	HEP-WLKDOWN-LOI, /LOI-NLL, SPC-LVL-LOF
3	100.0	4.8	9.4E-007	HEP-WLKDOWN-LOI, /LOI-NLL, SPC-LVL-LOF

Event Tree : IE-LOI Sequence : 13
Mincut Upper Bound : 1.978E-004

1	37.9	37.9	7.500E-005	IE->IE-LOI, HEP-LEAK-ISO, HEP-RECG-FW-LOI /LOI-CRA-LG, LOI-LGLK
2	60.7	22.8	4.500E-005	IE->IE-LOI, HEP-MKUP-START-E HEP-RECG-FW-LOI, /LOI-CRA-LG, LOI-LGLK
3	79.6	19.0	3.750E-005	IE->IE-LOI, HEP-FW-START-LOI HEP-INV-OFFST-LK, HEP-LEAK-ISO, /LOI-CRA-LG LOI-LGLK
4	91.0	11.4	2.250E-005	IE->IE-LOI, HEP-FW-START-LOI HEP-INV-OFFST-LK, HEP-MKUP-START-E /LOI-CRA-LG, LOI-LGLK
5	94.8	3.8	7.500E-006	IE->IE-LOI, HEP-RECG-FW-LOI, /LOI-CRA-LG LOI-LGLK, SFP-REGMKUP-F
6	98.6	3.8	7.500E-006	IE->IE-LOI, HEP-INV-OFFST-LK, HEP-LEAK-ISO /LOI-CRA-LG, LOI-LGLK, SFP-250GPM-F
7	100.0	1.9	3.750E-006	IE->IE-LOI, HEP-FW-START-LOI HEP-INV-OFFST-LK, /LOI-CRA-LG, LOI-LGLK SFP-REGMKUP-F
8	100.0	0.2	3.375E-007	IE->IE-LOI, FP-2PUMPS-FTF, HEP-FW-REP-NODLG HEP-INV-OFFST-LK, HEP-LEAK-ISO, /LOI-CRA-LG LOI-LGLK

9 100.0 0.1 2.025E-007 IE->IE-LOI, FP-2PUMPS-FTF, HEP-FW-REP-NODLG
 HEP-INV-OFFST-LK, HEP-MKUP-START-E
 /LOI-CRA-LG, LOI-LGLK

Event Tree : IE-LOI Sequence : 13 (CONTINUED)
 Mincut Upper Bound : 1.978E-004

 10 100.0 0.0 3.375E-008 IE->IE-LOI, FP-2PUMPS-FTF, HEP-FW-REP-NODLG
 HEP-INV-OFFST-LK, /LOI-CRA-LG, LOI-LGLK
 SFP-REGMKUP-F

Event Tree : IE-LOI Sequence : 17
 Mincut Upper Bound : 4.351E-004

Cut No.	% Total	% Cut Set	Prob/ Freq.	CURRENT CUT SETS
1	34.5	34.5	1.500E-004	IE->IE-LOI, HEP-DIAG-LGLK, HEP-MKUP-START-L HEP-RECG-FW-LOI, LOI-LGLK
2	51.7	17.2	7.500E-005	IE->IE-LOI, HEP-DIAG-LGLK, HEP-FW-START-LOI HEP-INV-OFFST-LK, HEP-MKUP-START-L LOI-LGLK
3	69.0	17.2	7.500E-005	IE->IE-LOI, HEP-DIAG-LGLK, HEP-LEAK-ISO HEP-RECG-FW-LOI, LOI-LGLK
4	77.6	8.6	3.750E-005	IE->IE-LOI, HEP-DIAG-LGLK, HEP-FW-START-LOI HEP-INV-OFFST-LK, HEP-LEAK-ISO, LOI-LGLK
5	84.5	6.9	3.000E-005	IE->IE-LOI, HEP-MKUP-START-L HEP-RECG-FW-LOI, LOI-LGLK, SPC-LVL-LOF
6	87.9	3.5	1.500E-005	IE->IE-LOI, HEP-FW-START-LOI HEP-INV-OFFST-LK, HEP-MKUP-START-L LOI-LGLK, SPC-LVL-LOF
7	91.4	3.5	1.500E-005	IE->IE-LOI, HEP-LEAK-ISO, HEP-RECG-FW-LOI LOI-LGLK, SPC-LVL-LOF
8	93.1	1.7	7.500E-006	IE->IE-LOI, HEP-DIAG-LGLK, HEP-RECG-FW-LOI LOI-LGLK, SFP-REGMKUP-F
9	94.8	1.7	7.500E-006	IE->IE-LOI, HEP-DIAG-LGLK, HEP-INV-OFFST-LK HEP-LEAK-ISO, LOI-LGLK, SFP-250GPM-F
10	96.6	1.7	7.500E-006	IE->IE-LOI, HEP-FW-START-LOI HEP-INV-OFFST-LK, HEP-LEAK-ISO, LOI-LGLK SPC-LVL-LOF
11	98.0	1.4	6.000E-006	IE->IE-LOI, HEP-MKUP-START-L HEP-RECG-FW-LOI, LOI-LGLK, SPC-LVL-LOP
12	98.8	0.9	3.750E-006	IE->IE-LOI, HEP-DIAG-LGLK, HEP-FW-START-LOI HEP-INV-OFFST-LK, LOI-LGLK, SFP-REGMKUP-F
13	99.5	0.7	3.000E-006	IE->IE-LOI, HEP-FW-START-LOI HEP-INV-OFFST-LK, HEP-MKUP-START-L LOI-LGLK, SPC-LVL-LOP

14	100.0	0.7	3.000E-006	IE->IE-LOI, HEP-LEAK-ISO, HEP-RECG-FW-LOI LOI-LGLK, SPC-LVL-LOP
15	100.0	0.4	1.500E-006	IE->IE-LOI, HEP-RECG-FW-LOI, LOI-LGLK SFP-REGMKUP-F, SPC-LVL-LOF
16	100.0	0.4	1.500E-006	IE->IE-LOI, HEP-INV-OFFST-LK, HEP-LEAK-ISO LOI-LGLK, SFP-250GPM-F, SPC-LVL-LOF

Event Tree : IE-LOI Sequence : 17(CONTINUED)
Mincut Upper Bound : 4.351E-004

Cut No.	% Total	% Cut Set	Prob/ Freq.	CURRENT CUT SETS
17	100.0	0.4	1.500E-006	IE->IE-LOI, HEP-FW-START-LOI HEP-INV-OFFST-LK, HEP-LEAK-ISO, LOI-LGLK SPC-LVL-LOP
18	100.0	0.2	7.500E-007	IE->IE-LOI, HEP-FW-START-LOI HEP-INV-OFFST-LK, LOI-LGLK, SFP-REGMKUP-F SPC-LVL-LOF
19	100.0	0.2	6.750E-007	IE->IE-LOI, FP-2PUMPS-FTF, HEP-DIAG-LGLK HEP-FW-REP-NODLG, HEP-INV-OFFST-LK HEP-MKUP-START-L, LOI-LGLK
20	100.0	0.1	3.375E-007	IE->IE-LOI, FP-2PUMPS-FTF, HEP-DIAG-LGLK HEP-FW-REP-NODLG, HEP-INV-OFFST-LK HEP-LEAK-ISO, LOI-LGLK
21	100.0	0.1	3.000E-007	IE->IE-LOI, HEP-RECG-FW-LOI, LOI-LGLK SFP-REGMKUP-F, SPC-LVL-LOP
22	100.0	0.1	3.000E-007	IE->IE-LOI, HEP-INV-OFFST-LK, HEP-LEAK-ISO LOI-LGLK, SFP-250GPM-F, SPC-LVL-LOP
23	100.0	0.0	1.500E-007	IE->IE-LOI, HEP-FW-START-LOI HEP-INV-OFFST-LK, LOI-LGLK, SFP-REGMKUP-F SPC-LVL-LOP
24	100.0	0.0	1.350E-007	IE->IE-LOI, FP-2PUMPS-FTF, HEP-FW-REP-NODLG HEP-INV-OFFST-LK, HEP-MKUP-START-L LOI-LGLK, SPC-LVL-LOF
25	100.0	0.0	6.750E-008	IE->IE-LOI, FP-2PUMPS-FTF, HEP-FW-REP-NODLG HEP-INV-OFFST-LK, HEP-LEAK-ISO, LOI-LGLK SPC-LVL-LOF
26	100.0	0.0	3.375E-008	IE->IE-LOI, FP-2PUMPS-FTF, HEP-DIAG-LGLK HEP-FW-REP-NODLG, HEP-INV-OFFST-LK LOI-LGLK, SFP-REGMKUP-F
27	100.0	0.0	2.700E-008	IE->IE-LOI, FP-2PUMPS-FTF, HEP-FW-REP-NODLG HEP-INV-OFFST-LK, HEP-MKUP-START-L LOI-LGLK, SPC-LVL-LOP
28	100.0	0.0	1.350E-008	IE->IE-LOI, FP-2PUMPS-FTF, HEP-FW-REP-NODLG HEP-INV-OFFST-LK, HEP-LEAK-ISO, LOI-LGLK SPC-LVL-LOP
29	100.0	0.0	6.750E-009	IE->IE-LOI, FP-2PUMPS-FTF, HEP-FW-REP-NODLG HEP-INV-OFFST-LK, LOI-LGLK, SFP-REGMKUP-F

SPC-LVL-LOF
30 100.0 0.0 1.350E-009 IE->IE-LOI, FP-2PUMPS-FTF, HEP-FW-REP-NODLG
HEP-INV-OFFST-LK, LOI-LGLK, SFP-REGMKUP-F
SPC-LVL-LOP

Event Tree : IE-LOI Sequence : 18
Mincut Upper Bound : 1.504E-004

1	71.4	71.4	1.50E-004	HEP-DIAG-LGLK, HEP-WLKDWN-DEPEN, LOI-LGLK
2	95.2	23.8	3.0E-007	HEP-WLKDWN-LOI, LOI-LGLK, SPC-LVL-LOF
3	100.0	4.8	6.0E-008	HEP-WLKDWN-LOI, LOI-LGLK, SPC-LVL-LOP

SEQUENCE CUT SETS (QUANTIFICATION) REPORT

Event Tree : IE-LP1 Sequence : 4

Mincut Upper Bound : 1.014E-004

Cut No.	% Total	% Cut Set	Prob/ Freq.	CURRENT CUT SETS
1	71.0	71.0	7.2E-005	HEP-RECG-FWSTART, HEP-SFP-STR-LP1
2	86.2	15.2	1.5E-005	HEP-FW-START, HEP-INV-OFFSITE, HEP-SFP-STR-LP1
3	93.1	7.0	7.1E-006	HEP-RECG-FWSTART, SPC-PMP-CCF
4	96.0	2.8	2.9E-006	HEP-RECG-FWSTART, SPC-HTX-FTR
5	97.5	1.5	1.5E-006	HEP-FW-START, HEP-INV-OFFSITE, SPC-PMP-CCF
6	98.1	0.6	6.1E-007	HEP-FW-START, HEP-INV-OFFSITE, SPC-HTX-FTR
7	98.5	0.4	3.8E-007	FP-2PUMPS-FTF, HEP-FW-REP-DEPEN, HEP-INV-OFFSITE, HEP-SFP-STR-LP1
8	98.8	0.4	3.8E-007	HEP-RECG-FWSTART, SPC-CKV-CCF-M
9	99.1	0.3	2.6E-007	HEP-RECG-FWSTART, SPC-HTX-PLG
10	99.3	0.2	2.3E-007	HEP-RECG-FWSTART, SPC-CKV-CCF-H
11	99.5	0.2	2.3E-007	HEP-RECG-FWSTART, SPC-HTX-CCF
12	99.7	0.2	1.8E-007	HEP-RECG-FWSTART, SPC-PMP-FTF-1, SPC-PMP-FTF-2
13	99.8	0.1	8.2E-008	HEP-FW-START, HEP-INV-OFFSITE, SPC-CKV-CCF-M
14	99.9	0.1	5.6E-008	HEP-FW-START, HEP-INV-OFFSITE, SPC-HTX-PLG
15	99.9	0.1	4.9E-008	HEP-FW-START, HEP-INV-OFFSITE, SPC-CKV-CCF-H
16	100.0	0.1	4.9E-008	HEP-FW-START, HEP-INV-OFFSITE, SPC-HTX-CCF
17	100.0	0.0	3.9E-008	HEP-FW-START, HEP-INV-OFFSITE, SPC-PMP-FTF-1, SPC-PMP-FTF-2
18	100.0	0.0	3.8E-008	FP-2PUMPS-FTF, HEP-FW-REP-DEPEN, HEP-INV-OFFSITE, SPC-PMP-CCF
19	100.0	0.0	1.5E-008	FP-2PUMPS-FTF, HEP-FW-REP-DEPEN, HEP-INV-OFFSITE, SPC-HTX-FTR
20	100.0	0.0	2.1E-009	FP-2PUMPS-FTF, HEP-FW-REP-DEPEN, HEP-INV-OFFSITE, SPC-CKV-CCF-M
21	100.0	0.0	1.4E-009	FP-2PUMPS-FTF, HEP-FW-REP-DEPEN, HEP-INV-OFFSITE, SPC-HTX-PLG
22	100.0	0.0	1.2E-009	FP-2PUMPS-FTF, HEP-FW-REP-DEPEN, HEP-INV-OFFSITE, SPC-CKV-CCF-H
23	100.0	0.0	1.2E-009	FP-2PUMPS-FTF, HEP-FW-REP-DEPEN, HEP-INV-OFFSITE, SPC-HTX-CCF
24	100.0	0.0	9.7E-010	FP-2PUMPS-FTF, HEP-FW-REP-DEPEN, HEP-INV-OFFSITE, SPC-PMP-FTF-1, SPC-PMP-FTF-2

SEQUENCE CUT SETS (QUANTIFICATION) REPORT

Event Tree : IE-LP1 Sequence : 5
Mincut Upper Bound : 4.000E-004

Cut No.	% Total	% Cut Set	Prob/ Freq.	CURRENT CUT SETS
1	100.0	100.0	4.0E-004	HEP-DIAG-SFPLP1

Event Tree : IE-LP1 Sequence : 8
Mincut Upper Bound : 6.072E-005

Cut No.	% Total	% Cut Set	Prob/ Freq.	CURRENT CUT SETS
1	100.0	100.0	6.1E-005	HEP-INV-OFFSITE, REC-OSP-PC

Event Tree : IE-LP1 Sequence : 9
Mincut Upper Bound : 1.320E-006

1	100.0	100.0	1.3E-006	HEP-DIAG-SFPLP1, REC-OSP-PC
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Event Tree : IE-LP2 Sequence : 4
Mincut Upper Bound : 4.919E-005

Cut No.	% Total	% Cut Set	Prob/ Freq.	CURRENT CUT SETS
1	53.4	53.4	2.6E-005	HEP-RECG-FWST-SW, HEP-SFP-STR-LP2
2	93.9	40.6	2.0E-005	HEP-FW-START-SW, HEP-INV-OFFST-SW, HEP-SFP-STR-LP2
3	96.0	2.1	1.0E-006	HEP-RECG-FWST-SW, SPC-PMP-CCF
4	97.6	1.6	7.9E-007	HEP-FW-START-SW, HEP-INV-OFFST-SW, SPC-PMP-CCF
5	98.5	0.9	4.2E-007	HEP-RECG-FWST-SW, SPC-HTX-FTR
6	99.1	0.7	3.2E-007	HEP-FW-START-SW, HEP-INV-OFFST-SW, SPC-HTX-FTR
7	99.5	0.4	1.8E-007	FP-2PUMPS-FTF, HEP-FW-REP-DEPSW, HEP-INV-OFFST-SW, HEP-SFP-STR-LP2
8	99.6	0.1	5.6E-008	HEP-RECG-FWST-SW, SPC-CKV-CCF-M
9	99.7	0.1	4.3E-008	HEP-FW-START-SW, HEP-INV-OFFST-SW, SPC-CKV-CCF-M
10	99.8	0.1	3.9E-008	HEP-RECG-FWST-SW, SPC-HTX-PLG
11	99.8	0.1	3.3E-008	HEP-RECG-FWST-SW, SPC-CKV-CCF-H
12	99.9	0.1	3.3E-008	HEP-RECG-FWST-SW, SPC-HTX-CCF
13	100.0	0.1	2.9E-008	HEP-FW-START-SW, HEP-INV-OFFST-SW, SPC-HTX-PLG
14	100.0	0.1	2.7E-008	HEP-RECG-FWST-SW, SPC-PMP-FTF-1, SPC-PMP-FTF-2
15	100.0	0.1	2.5E-008	HEP-FW-START-SW, HEP-INV-OFFST-SW, SPC-CKV-CCF-H
16	100.0	0.1	2.5E-008	HEP-FW-START-SW, HEP-INV-OFFST-SW, SPC-HTX-CCF
17	100.0	0.0	2.0E-008	HEP-FW-START-SW, HEP-INV-OFFST-SW, SPC-PMP-FTF-1, SPC-PMP-FTF-2
18	100.0	0.0	7.2E-009	FP-2PUMPS-FTF, HEP-FW-REP-DEPSW, HEP-INV-OFFST-SW, SPC-PMP-CCF
19	100.0	0.0	2.9E-009	FP-2PUMPS-FTF, HEP-FW-REP-DEPSW, HEP-INV-OFFST-SW, SPC-HTX-FTR
20	100.0	0.0	3.9E-010	FP-2PUMPS-FTF, HEP-FW-REP-DEPSW, HEP-INV-OFFST-SW, SPC-CKV-CCF-M
21	100.0	0.0	2.7E-010	FP-2PUMPS-FTF, HEP-FW-REP-DEPSW, HEP-INV-OFFST-SW, SPC-HTX-PLG
22	100.0	0.0	2.3E-010	FP-2PUMPS-FTF, HEP-FW-REP-DEPSW, HEP-INV-OFFST-SW, SPC-CKV-CCF-H
23	100.0	0.0	2.3E-010	FP-2PUMPS-FTF, HEP-FW-REP-DEPSW, HEP-INV-OFFST-SW, SPC-HTX-CCF
24	100.0	0.0	1.9E-010	FP-2PUMPS-FTF, HEP-FW-REP-DEPSW, HEP-INV-OFFST-SW, SPC-PMP-FTF-1, SPC-PMP-FTF-2

SEQUENCE CUT SETS (QUANTIFICATION) REPORT

Event Tree : IE-LP2 Sequence : 5
Mincut Upper Bound : 1.750E-004

Cut No.	% Total	% Cut Set	Prob/ Freq.	CURRENT CUT SETS
1	100.0	100.0	1.8E-004	HEP-DIAG-SFPLP2

Event Tree : IE-LP2 Sequence : 8

Mincut Upper Bound : 7.000E-005

1	100.0	100.0	7.0E-005	HEP-INV-OFFST-SW, REC-OSP-SW
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Event Tree : IE-LP2 Sequence : 9
Mincut Upper Bound : 3.500E-006

1	100.0	100.0	3.5E-006	HEP-DIAG-SFPLP2, REC-OSP-SW
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