Appendix b-01.wpd
12/27/99

BEST CASE ANALYSIS

SEQUENCE CUT SETS (QUANTIFICATION) REPORT

Event Tree : IE-FIR Sequence : 4
Mincut Upper Bound : 2.213E-008

Cut No.	% Total	% Cut Set	Prob/ Freq.	CURRENT CUT SETS
1	67.8	67.8	1.5E-008	HEP-RECG-FWSTART, HEP-RES-FIRE
2	98.3	30.5	6.8E-009	FP-DGPUMP-FTF, HEP-FW-REP-NODEP, HEP-INV-OFFSITE, HEP-RES-FIRE
3	100.0	1.7	3.8E-010	HEP-FW-START, HEP-INV-OFFSITE, HEP-RES-FIRE

Event Tree : IE-FIR Sequence : 7
Mincut Upper Bound : 6.461E-010

1	46.4	46.4	3.0E-010	HEP-RECG-FWSTART, SFP-FIRE-DETECT
2	67.3	20.9	1.4E-010	FP-DGPUMP-FTF, HEP-FW-REP-NODEP, HEP-INV-OFFSITE, SFP-FIRE-DETECT
3	85.9	18.6	1.2E-010	HEP-RECG-FWSTART, SFP-FIRE-LOA
4	94.3	8.4	5.4E-011	FP-DGPUMP-FTF, HEP-FW-REP-NODEP, HEP-INV-OFFSITE, SFP-FIRE-LOA
5	97.0	2.8	1.8E-011	HEP-DIAG-ALARM, HEP-RECG-FWSTART
6	98.3	1.3	8.1E-012	FP-DGPUMP-FTF, HEP-DIAG-ALARM, HEP-FW-REP-NODEP, HEP-INV-OFFSITE
7	99.5	1.2	7.5E-012	HEP-FW-START, HEP-INV-OFFSITE, SFP-FIRE-DETECT
8	99.9	0.5	3.0E-012	HEP-FW-START, HEP-INV-OFFSITE, SFP-FIRE-LOA
9	100.0	0.1	4.5E-013	HEP-DIAG-ALARM, HEP-FW-START, HEP-INV-OFFSITE

Event Tree : IE-FIR Sequence : 8
Mincut Upper Bound : 4.521E-008

1	99.5	99.5	4.5E-008	HEP-DIAG-ALARM, HEP-WLKDWN-DEPEN
2	99.9	0.3	1.5E-010	HEP-WLKDWN-LSFPC, SFP-FIRE-DETECT
3	100.0	0.1	6.0E-011	HEP-WLKDWN-LSFPC, SFP-FIRE-LOA

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SEQUENCE CUT SETS (QUANTIFICATION) REPORT

Event Tree : IE-LOC Sequence : 4
Mincut Upper Bound : 1.197E-008

Cut No.	% Total	% Cut Set	Prob/ Freq.	CURRENT CUT SETS
1	90.2	90.2	1.1E-008	HEP-COOL-REP-E, HEP-RECG-FWSTART
2	97.8	7.6	9.1E-010	FP-2PUMPS-FTF, HEP-COOL-REP-E, HEP-FW-REP-DEPEN, HEP-INV-OFFSITE
3	100.0	2.3	2.7E-010	HEP-COOL-REP-E, HEP-FW-START, HEP-INV-OFFSITE

Event Tree : IE-LOC Sequence : 8
Mincut Upper Bound : 1.537E-010

1	78.1	78.1	1.2E-010	HEP-COOL-REP-L, HEP-RECG-FWSTART, SPC-LVL-LOP
2	89.8	11.7	1.8E-011	HEP-COOL-REP-L, HEP-DIAG-ALARM, HEP-RECG-FWSTART
3	96.3	6.5	1.0E-011	FP-2PUMPS-FTF, HEP-COOL-REP-L, HEP-FW-REP-DEPEN, HEP-INV-OFFSITE, SPC-LVL-LOP
4	98.3	2.0	3.0E-012	HEP-COOL-REP-L, HEP-FW-START, HEP-INV-OFFSITE, SPC-LVL-LOP
5	99.3	1.0	1.5E-012	FP-2PUMPS-FTF, HEP-COOL-REP-L, HEP-DIAG-ALARM, HEP-FW-REP-DEPEN, HEP-INV-OFFSITE
6	99.7	0.4	6.0E-013	HEP-COOL-REP-L, HEP-RECG-FWSTART, SPC-LVL-LOF
7	99.9	0.3	4.5E-013	HEP-COOL-REP-L, HEP-DIAG-ALARM, HEP-FW-START, HEP-INV-OFFSITE
8	100.0	0.0	5.0E-014	FP-2PUMPS-FTF, HEP-COOL-REP-L, HEP-FW-REP-DEPEN, HEP-INV-OFFSITE, SPC-LVL-LOF
9	100.0	0.0	1.5E-014	HEP-COOL-REP-L, HEP-FW-START, HEP-INV-OFFSITE, SPC-LVL-LOF

Event Tree : IE-LOC Sequence : 9
Mincut Upper Bound : 4.506E-008

1	99.9	99.9	4.5E-008	HEP-DIAG-ALARM, HEP-WLKDWN-DEPEN
2	100.0	0.1	6.0E-011	HEP-WLKDWN-LSFPC, SPC-LVL-LOP
3	100.0	0.0	3.0E-013	HEP-WLKDWN-LSFPC, SPC-LVL-LOF

SEQUENCE CUT SETS (QUANTIFICATION) REPORT

Event Tree : IE-LOI Sequence : 04
Mincut Upper Bound : 9.754E-009

Cut No.	% Total	% Cut Set	Prob/ Freq.	CURRENT CUT SETS
1	96.4	96.4	9.4E-009	HEP-RECG-FWSTART, /LOI-NLL, SFP-REGMKUP-F
2	98.8	2.4	2.4E-010	HEP-FW-START, HEP-INV-OFFSITE, /LOI-NLL, SFP-REGMKUP-F
3	100.0	1.2	1.2E-010	FP-2PUMPS-FTF, HEP-FW-REP-NODSM, HEP-INV-OFFSITE, /LOI-NLL, SFP-REGMKUP-F
4	100.0	0.0	4.7E-013	HEP-MKUP-START, HEP-RECG-FWSTART, /LOI-NLL
5	100.0	0.0	1.2E-014	HEP-FW-START, HEP-INV-OFFSITE, HEP-MKUP-START, /LOI-NLL
6	100.0	0.0	5.9E-015	FP-2PUMPS-FTF, HEP-FW-REP-NODSM, HEP-INV-OFFSITE, HEP-MKUP-START, /LOI-NLL

Event Tree : IE-LOI Sequence : 08
Mincut Upper Bound : 2.264E-011

Cut No.	% Total	% Cut Set	Prob/ Freq.	CURRENT CUT SETS
1	83.0	83.0	1.9E-011	HEP-RECG-FWSTART, /LOI-NLL, SFP-REGMKUP-F, SPC-LVL-LOP
2	95.5	12.5	2.8E-012	HEP-DIAG-ALARM, HEP-RECG-FWSTART, /LOI-NLL, SFP-REGMKUP-F
3	97.6	2.1	4.7E-013	HEP-FW-START, HEP-INV-OFFSITE, /LOI-NLL, SFP-REGMKUP-F, SPC-LVL-LOP
4	98.6	1.0	2.4E-013	FP-2PUMPS-FTF, HEP-FW-REP-NODSM, HEP-INV-OFFSITE, /LOI-NLL, SFP-REGMKUP-F, SPC-LVL-LOP
5	99.0	0.4	9.4E-014	HEP-MKUP-START-E, HEP-RECG-FWSTART, /LOI-NLL, SPC-LVL-LOP
6	99.4	0.4	9.4E-014	HEP-RECG-FWSTART, /LOI-NLL, SFP-REGMKUP-F, SPC-LVL-LOF
7	99.8	0.3	7.1E-014	HEP-DIAG-ALARM, HEP-FW-START, HEP-INV-OFFSITE, /LOI-NLL, SFP-REGMKUP-F
8	99.9	0.2	3.5E-014	FP-2PUMPS-FTF, HEP-DIAG-ALARM, HEP-FW-REP-NODSM, HEP-INV-OFFSITE, /LOI-NLL, SFP-REGMKUP-F
9	100.0	0.1	1.4E-014	HEP-DIAG-ALARM, HEP-MKUP-START-E, HEP-RECG-FWSTART, /LOI-NLL
10	100.0	0.0	2.4E-015	HEP-FW-START, HEP-INV-OFFSITE, HEP-MKUP-START-E, /LOI-NLL, SPC-LVL-LOP
11	100.0	0.0	2.4E-015	HEP-FW-START, HEP-INV-OFFSITE, /LOI-NLL, SFP-REGMKUP-F, SPC-LVL-LOF
12	100.0	0.0	1.2E-015	FP-2PUMPS-FTF, HEP-FW-REP-NODSM, HEP-INV-OFFSITE, HEP-MKUP-START-E, /LOI-NLL,

SPC-LVL-LOP

Event Tree : IE-LOI Sequence : 08 (CONTINUED)
Mincut Upper Bound : 2.264E-011

Cut No.	% Total	% Cut Set	Prob/ Freq.	CURRENT CUT SETS
13	100.0	0.0	1.2E-015	FP-2PUMPS-FTF, HEP-FW-REP-NODSM, HEP-INV-OFFSITE, /LOI-NLL, SFP-REGMKUP-F, SPC-LVL-LOF

Event Tree : IE-LOI Sequence : 09
Mincut Upper Bound : 1.412E-007

Cut No.	% Total	% Cut Set	Prob/ Freq.	CURRENT CUT SETS
1	99.9	99.9	1.4E-007	HEP-DIAG-ALARM, HEP-WLKDWN-DEPEN, /LOI-NLL
2	100.0	0.1	1.9E-010	HEP-WLKDWN-LOI, /LOI-NLL, SPC-LVL-LOP
3	100.0	0.0	9.4E-013	HEP-WLKDWN-LOI, /LOI-NLL, SPC-LVL-LOF

Event Tree : IE-LOI Sequence : 13
Mincut Upper Bound : 6.411E-009

Cut No.	% Total	% Cut Set	Prob/ Freq.	CURRENT CUT SETS
1	46.8	46.8	3.0E-009	HEP-RECG-FW-LOI, /LOI-CRA-LG, LOI-LGLK, SFP-REGMKUP-F
2	81.9	35.1	2.3E-009	HEP-INV-OFFST-LK, HEP-LEAK-ISO, /LOI-CRA-LG, LOI-LGLK, SFP-250GPM-F
3	97.1	15.2	9.8E-010	HEP-FW-START-LOI, HEP-INV-OFFST-LK, /LOI-CRA-LG, LOI-LGLK, SFP-REGMKUP-F
4	98.5	1.4	9.0E-011	HEP-LEAK-ISO, HEP-RECG-FW-LOI, /LOI-CRA-LG, LOI-LGLK
5	99.2	0.7	4.5E-011	FP-2PUMPS-FTF, HEP-FW-REP-NODLG, HEP-INV-OFFST-LK, /LOI-CRA-LG, LOI-LGLK, SFP-REGMKUP-F
6	99.7	0.5	2.9E-011	HEP-FW-START-LOI, HEP-INV-OFFST-LK, HEP-LEAK-ISO, /LOI-CRA-LG, LOI-LGLK
7	99.9	0.2	1.5E-011	HEP-MKUP-START-E, HEP-RECG-FW-LOI, /LOI-CRA-LG, LOI-LGLK
8	100.0	0.1	4.9E-012	HEP-FW-START-LOI, HEP-INV-OFFST-LK, HEP-MKUP-START-E, /LOI-CRA-LG, LOI-LGLK
9	100.0	0.0	1.4E-012	FP-2PUMPS-FTF, HEP-FW-REP-NODLG, HEP-INV-OFFST-LK, HEP-LEAK-ISO, /LOI-CRA-LG, LOI-LGLK
10	100.0	0.0	2.3E-013	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 : 17
Mincut Upper Bound : 4.184E-010

Cut No.	% Total	% Cut Set	Prob/ Freq.	CURRENT CUT SETS
1	57.4	57.4	2.4E-010	HEP-MKUP-START-L, HEP-RECG-FW-LOI, LOI-LGLK, SPC-LVL-LOP
2	76.0	18.6	7.8E-011	HEP-FW-START-LOI, HEP-INV-OFFST-LK, HEP-MKUP-START-L, LOI-LGLK, SPC-LVL-LOP
3	87.5	11.5	4.8E-011	HEP-DIAG-LGLK, HEP-MKUP-START-L, HEP-RECG-FW-LOI, LOI-LGLK
4	91.2	3.7	1.6E-011	HEP-DIAG-LGLK, HEP-FW-START-LOI, HEP-INV-OFFST-LK, HEP-MKUP-START-L, LOI-LGLK
5	94.1	2.9	1.2E-011	HEP-RECG-FW-LOI, LOI-LGLK, SFP-REGMKUP-F, SPC-LVL-LOP
6	96.2	2.2	9.0E-012	HEP-INV-OFFST-LK, HEP-LEAK-ISO, LOI-LGLK, SFP-250GPM-F, SPC-LVL-LOP
7	97.2	0.9	3.9E-012	HEP-FW-START-LOI, HEP-INV-OFFST-LK, LOI-LGLK, SFP-REGMKUP-F, SPC-LVL-LOP
8	98.0	0.9	3.6E-012	FP-2PUMPS-FTF, HEP-FW-REP-NODLG, HEP-INV-OFFST-LK, HEP-MKUP-START-L, LOI-LGLK, SPC-LVL-LOP
9	98.6	0.6	2.4E-012	HEP-DIAG-LGLK, HEP-RECG-FW-LOI, LOI-LGLK, SFP-REGMKUP-F
10	99.0	0.4	1.8E-012	HEP-DIAG-LGLK, HEP-INV-OFFST-LK, HEP-LEAK-ISO, LOI-LGLK, SFP-250GPM-F
11	99.3	0.3	1.2E-012	HEP-MKUP-START-L, HEP-RECG-FW-LOI, LOI-LGLK, SPC-LVL-LOF
12	99.5	0.2	7.8E-013	HEP-DIAG-LGLK, HEP-FW-START-LOI, HEP-INV-OFFST-LK, LOI-LGLK, SFP-REGMKUP-F
13	99.7	0.2	7.2E-013	FP-2PUMPS-FTF, HEP-DIAG-LGLK, HEP-FW-REP-NODLG, HEP-INV-OFFST-LK, HEP-MKUP-START-L, LOI-LGLK
14	99.8	0.1	3.9E-013	HEP-FW-START-LOI, HEP-INV-OFFST-LK, HEP-MKUP-START-L, LOI-LGLK, SPC-LVL-LOF
15	99.9	0.1	3.6E-013	HEP-LEAK-ISO, HEP-RECG-FW-LOI, LOI-LGLK, SPC-LVL-LOP
16	99.9	0.0	1.8E-013	FP-2PUMPS-FTF, HEP-FW-REP-NODLG, HEP-INV-OFFST-LK, LOI-LGLK, SFP-REGMKUP-F, SPC-LVL-LOP
17	99.9	0.0	1.2E-013	HEP-FW-START-LOI, HEP-INV-OFFST-LK, HEP-LEAK-ISO, LOI-LGLK, SPC-LVL-LOP
18	99.9	0.0	7.2E-014	HEP-DIAG-LGLK, HEP-LEAK-ISO, HEP-RECG-FW-LOI, LOI-LGLK
19	100.0	0.0	6.0E-014	HEP-RECG-FW-LOI, LOI-LGLK, SFP-REGMKUP-F, SPC-LVL-LOF

20	100.0	0.0	4.5E-014	HEP-INV-OFFST-LK, HEP-LEAK-ISO, LOI-LGLK, SFP-250GPM-F, SPC-LVL-LOF

Event Tree : IE-LOI Sequence : 17
Mincut Upper Bound : 4.184E-010

Cut No.	% Total	% Cut Set	Prob/ Freq.	CURRENT CUT SETS
21	100.0	0.0	3.6E-014	FP-2PUMPS-FTF, HEP-DIAG-LGLK, HEP-FW-REP-NODLG, HEP-INV-OFFST-LK, LOI-LGLK, SFP-REGMKUP-F
22	100.0	0.0	2.3E-014	HEP-DIAG-LGLK, HEP-FW-START-LOI, HEP-INV-OFFST-LK, HEP-LEAK-ISO, LOI-LGLK
23	100.0	0.0	2.0E-014	HEP-FW-START-LOI, HEP-INV-OFFST-LK, LOI-LGLK, SFP-REGMKUP-F, SPC-LVL-LOF
24	100.0	0.0	1.8E-014	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	5.4E-015	FP-2PUMPS-FTF, HEP-FW-REP-NODLG, HEP-INV-OFFST-LK, HEP-LEAK-ISO, LOI-LGLK, SPC-LVL-LOP
26	100.0	0.0	1.8E-015	HEP-LEAK-ISO, HEP-RECG-FW-LOI, LOI-LGLK, SPC-LVL-LOF
27	100.0	0.0	1.1E-015	FP-2PUMPS-FTF, HEP-DIAG-LGLK, HEP-FW-REP-NODLG, HEP-INV-OFFST-LK, HEP-LEAK-ISO, LOI-LGLK

Event Tree : IE-LOI Sequence : 18
Mincut Upper Bound : 1.201E-008

Cut No.	% Total	% Cut Set	Prob/ Freq.	CURRENT CUT SETS
1	99.9	99.9	1.2E-008	HEP-DIAG-LGLK, HEP-WLKDWN-DEPEN, LOI-LGLK
2	100.0	0.1	1.2E-011	HEP-WLKDWN-LOI, LOI-LGLK, SPC-LVL-LOP
3	100.0	0.0	6.0E-014	HEP-WLKDWN-LOI, LOI-LGLK, SPC-LVL-LOF

SEQUENCE CUT SETS (QUANTIFICATION) REPORT

Event Tree : IE-LP1 Sequence : 4

Mincut Upper Bound : 1.672E-009

Cut No.	% Total	% Cut Set	Prob/ Freq.	CURRENT CUT SETS
1	56.5	56.5	9.4E-010	HEP-RECG-FWSTART, SPC-PMP-CCF
2	79.4	23.0	3.8E-010	HEP-RECG-FWSTART, SPC-HTX-FTR
3	84.2	4.7	7.9E-011	FP-2PUMPS-FTF, HEP-FW-REP-DEPEN, HEP-INV-OFFSITE, SPC-PMP-CCF
4	87.2	3.1	5.1E-011	HEP-RECG-FWSTART, SPC-CKV-CCF-M
5	89.3	2.1	3.5E-011	HEP-RECG-FWSTART, SPC-HTX-PLG
6	91.3	1.9	3.2E-011	FP-2PUMPS-FTF, HEP-FW-REP-DEPEN, HEP-INV-OFFSITE, SPC-HTX-FTR
7	93.1	1.8	3.0E-011	HEP-RECG-FWSTART, SPC-CKV-CCF-H
8	94.9	1.8	3.0E-011	HEP-RECG-FWSTART, SPC-HTX-CCF
9	96.3	1.5	2.4E-011	HEP-RECG-FWSTART, SPC-PMP-FTF-1, SPC-PMP-FTF-2
10	97.8	1.4	2.4E-011	HEP-FW-START, HEP-INV-OFFSITE, SPC-PMP-CCF
11	98.3	0.6	9.6E-012	HEP-FW-START, HEP-INV-OFFSITE, SPC-HTX-FTR
12	98.8	0.5	8.0E-012	HEP-RECG-FWSTART, HEP-SFP-STR-LP1
13	99.1	0.3	4.3E-012	FP-2PUMPS-FTF, HEP-FW-REP-DEPEN, HEP-INV-OFFSITE, SPC-CKV-CCF-M
14	99.2	0.2	3.0E-012	FP-2PUMPS-FTF, HEP-FW-REP-DEPEN, HEP-INV-OFFSITE, SPC-HTX-PLG
15	99.4	0.2	2.6E-012	FP-2PUMPS-FTF, HEP-FW-REP-DEPEN, HEP-INV-OFFSITE, SPC-CKV-CCF-H
16	99.5	0.2	2.6E-012	FP-2PUMPS-FTF, HEP-FW-REP-DEPEN, HEP-INV-OFFSITE, SPC-HTX-CCF
17	99.7	0.1	2.0E-012	FP-2PUMPS-FTF, HEP-FW-REP-DEPEN, HEP-INV-OFFSITE, SPC-PMP-FTF-1, SPC-PMP-FTF-2
18	99.7	0.1	1.3E-012	HEP-FW-START, HEP-INV-OFFSITE, SPC-CKV-CCF-M
19	99.8	0.1	8.8E-013	HEP-FW-START, HEP-INV-OFFSITE, SPC-HTX-PLG
20	99.8	0.1	7.6E-013	HEP-FW-START, HEP-INV-OFFSITE, SPC-CKV-CCF-H
21	99.9	0.1	7.6E-013	HEP-FW-START, HEP-INV-OFFSITE, SPC-HTX-CCF
22	99.9	0.0	6.7E-013	FP-2PUMPS-FTF, HEP-FW-REP-DEPEN, HEP-INV-OFFSITE, HEP-SFP-STR-LP1
23	100.0	0.0	6.1E-013	HEP-FW-START, HEP-INV-OFFSITE, SPC-PMP-FTF-1, SPC-PMP-FTF-2
24	100.0	0.0	2.0E-013	HEP-FW-START, HEP-INV-OFFSITE, HEP-SFP-STR-LP1

Event Tree : IE-LP1 Sequence : 5
Mincut Upper Bound : 8.000E-008

Cut No.	% Total	% Cut Set	Prob/ Freq.	CURRENT CUT SETS
1	100.0	100.0	8.0E-008	HEP-DIAG-SFPLP1

Event Tree : IE-LP1 Sequence : 8
Mincut Upper Bound : 7.788E-010

Cut No.	% Total	% Cut Set	Prob/ Freq.	CURRENT CUT SETS
1	67.8	67.8	5.3E-010	HEP-RECG-FWSTART, REC-OSP-PC
2	98.3	30.5	2.4E-010	FP-DGPUMP-FTF, HEP-FW-REP-NODEP, HEP-INV-OFFSITE, REC-OSP-PC
3	100.0	1.7	1.3E-011	HEP-FW-START, HEP-INV-OFFSITE, REC-OSP-PC

Event Tree : IE-LP1 Sequence : 9
Mincut Upper Bound : 2.640E-011

Cut No.	% Total	% Cut Set	Prob/ Freq.	CURRENT CUT SETS
1	100.0	100.0	2.6E-011	HEP-DIAG-SFPLP1, REC-OSP-PC

SEQUENCE CUT SETS (QUANTIFICATION) REPORT

Event Tree : IE-LP2 Sequence : 4

Mincut Upper Bound : 1.849E-009

Cut No.	% Total	% Cut Set	Prob/ Freq.	CURRENT CUT SETS
1	22.3	22.3	4.1E-010	HEP-RECG-FWST-SW, SPC-PMP-CCF
2	41.3	18.9	3.5E-010	HEP-RECG-FWST-SW, HEP-SFP-STR-LP2
3	59.1	17.9	3.3E-010	HEP-FW-START-SW, HEP-INV-OFFST-SW, SPC-PMP-CCF
4	74.3	15.1	2.8E-010	HEP-FW-START-SW, HEP-INV-OFFST-SW, HEP-SFP-STR-LP2
5	83.4	9.1	1.7E-010	HEP-RECG-FWST-SW, SPC-HTX-FTR
6	90.6	7.3	1.3E-010	HEP-FW-START-SW, HEP-INV-OFFST-SW, SPC-HTX-FTR
7	91.8	1.2	2.2E-011	HEP-RECG-FWST-SW, SPC-CKV-CCF-M
8	92.8	1.0	1.8E-011	HEP-FW-START-SW, HEP-INV-OFFST-SW, SPC-CKV-CCF-M
9	93.7	0.8	1.6E-011	FP-2PUMPS-FTF, HEP-FW-REP-DEPSW, HEP-INV-OFFST-SW, SPC-PMP-CCF
10	94.5	0.8	1.5E-011	HEP-RECG-FWST-SW, SPC-HTX-PLG
11	95.2	0.7	1.3E-011	HEP-RECG-FWST-SW, SPC-CKV-CCF-H
12	95.9	0.7	1.3E-011	HEP-RECG-FWST-SW, SPC-HTX-CCF
13	96.6	0.7	1.3E-011	FP-2PUMPS-FTF, HEP-FW-REP-DEPSW, HEP-INV-OFFST-SW, HEP-SFP-STR-LP2
14	97.3	0.7	1.2E-011	HEP-FW-START-SW, HEP-INV-OFFST-SW, SPC-HTX-PLG
15	97.9	0.6	1.1E-011	HEP-RECG-FWST-SW, SPC-PMP-FTF-1, SPC-PMP-FTF-2
16	98.5	0.6	1.1E-011	HEP-FW-START-SW, HEP-INV-OFFST-SW, SPC-CKV-CCF-H
17	99.0	0.6	1.1E-011	HEP-FW-START-SW, HEP-INV-OFFST-SW, SPC-HTX-CCF
18	99.5	0.5	8.5E-012	HEP-FW-START-SW, HEP-INV-OFFST-SW, SPC-PMP-FTF-1, SPC-PMP-FTF-2
19	99.8	0.3	6.3E-012	FP-2PUMPS-FTF, HEP-FW-REP-DEPSW, HEP-INV-OFFST-SW, SPC-HTX-FTR
20	99.9	0.1	8.4E-013	FP-2PUMPS-FTF, HEP-FW-REP-DEPSW, HEP-INV-OFFST-SW, SPC-CKV-CCF-M
21	99.9	0.0	5.8E-013	FP-2PUMPS-FTF, HEP-FW-REP-DEPSW, HEP-INV-OFFST-SW, SPC-HTX-PLG
22	99.9	0.0	5.0E-013	FP-2PUMPS-FTF, HEP-FW-REP-DEPSW, HEP-INV-OFFST-SW, SPC-CKV-CCF-H
23	100.0	0.0	5.0E-013	FP-2PUMPS-FTF, HEP-FW-REP-DEPSW, HEP-INV-OFFST-SW, SPC-HTX-CCF
24	100.0	0.0	4.0E-013	FP-2PUMPS-FTF, HEP-FW-REP-DEPSW, HEP-INV-OFFST-SW, SPC-PMP-FTF-1, SPC-PMP-FTF-2

Event Tree : IE-LP2 Sequence : 5
Mincut Upper Bound : 1.400E-007

Cut No..	% Total	% Cut Set	Prob/ Freq.	CURRENT CUT SETS
1	100.0	100.0	1.4E-007	HEP-DIAG-SFPLP2

Event Tree : IE-LP2 Sequence : 8
Mincut Upper Bound : 1.196E-006

1	93.7	93.7	1.1E-006	FP-DGPUMP-SW, HEP-INV-OFFST-SW, REC-OSP-SW
2	97.9	4.2	5.0E-008	FP-DGPUMP-FTF, HEP-FW-REP-NODSW, HEP-INV-OFFST-SW, REC-OSP-SW
3	99.0	1.2	1.4E-008	HEP-RECG-FWST-SW, REC-OSP-SW
4	100.0	0.9	1.1E-008	HEP-FW-START-SW, HEP-INV-OFFST-SW, REC-OSP-SW

Event Tree : IE-LP2 Sequence : 9
Mincut Upper Bound : 2.800E-009

1	100.0	100.0	2.8E-009	HEP-DIAG-SFPLP2, REC-OSP-SW