



Logan Fault and Event Tree Analysis Version 7.1.4
Date (dd-mm-yy): 28-05-13 Time: 17.02.24
Fault Tree File: Z:\Documenti\70000\70942 PROGER Fiume Treste NOF PmagPi\Guasto\TOP-1
Cutset Order: 6 Evaluation Method: Upper limit
Proof Tests: Simultaneous

FIGURE . FAULT TREE FOR SOVRAPPRESSIONE SLUG CATCHER 300-AVQ-003

CUTSET LISTING

Logan Fault and Event Tree Analysis Version 7.1.4

Date(dd-mm-yy): 28-05-13 Time: 17.23.07

Fault Tree File: Z:\Documenti\70000\70942 PROGER Fiume Treste NOF PmagPi\Guasto\TOP-1

Top Event: **TOP1 Freq: 2,64E-06 Prob: 3,73E-08**

Set No	Basic Events				Freq	Probability
1	PSV-001	ERROR	PT-005		1,09E-06	1,50E-08
2	PSV-001	ERROR	PT-007		1,09E-06	1,50E-08
3	PSV-001	PT-007	TDC-001		2,78E-07	1,93E-09
4	PSV-001	PT-005	TDC-001		2,78E-07	1,93E-09
5	PSV-001	PT-007	PT-001		1,09E-07	7,56E-10
6	PSV-001	PT-005	PT-001		1,09E-07	7,56E-10
7	PSV-001	PT-005	GAFV-001		4,05E-08	2,81E-10
8	PSV-001	PT-007	GAFV-001		4,05E-08	2,81E-10
9	PAH-015	DCS-015	PSV-001	ERROR	1,42E-08	1,91E-10
10	PAH-015	SDV-002	PSV-001	TDC-001	7,12E-09	9,07E-11
11	TDC-015	SDV-002	PSV-001	ERROR	6,96E-09	9,10E-11
12	PAH-015	SDV-002	PSV-001	ERROR	4,94E-09	7,04E-10
13	PAH-015	DCS-015	PSV-001	TDC-001	3,59E-09	2,46E-11
14	TDC-015	DCS-015	PSV-001	ERROR	3,55E-09	2,47E-11
15	PAH-015	SDV-002	PSV-001	PT-001	2,79E-09	3,55E-11
16	MIOA	DCS-015	PSV-001	ERROR	2,78E-09	3,83E-11
17	TDC-015	SDV-002	PSV-001	TDC-001	1,73E-09	1,17E-11
18	PAH-015	DCS-015	PSV-001	PT-001	1,40E-09	9,62E-12
19	MIOA	SDV-002	PSV-001	TDC-001	1,39E-09	1,82E-11
20	PAH-015	SDV-002	PSV-001	GAFV-001	1,04E-09	1,32E-11
21	MIOA	DCS-015	PSV-001	TDC-001	7,10E-10	4,93E-12
22	MIOA	SDV-002	PSV-001	ERROR	7,08E-10	1,41E-10
23	TDC-015	DCS-015	PSV-001	TDC-001	6,84E-10	3,17E-12
24	TDC-015	SDV-002	PSV-001	PT-001	6,78E-10	4,58E-12
25	MIOA	SDV-002	PSV-001	PT-001	5,45E-10	7,12E-12
26	PAH-015	DCS-015	PSV-001	GAFV-001	5,23E-10	3,58E-12
27	MIOA	DCS-015	PSV-001	PT-001	2,78E-10	1,93E-12
28	TDC-015	DCS-015	PSV-001	PT-001	2,68E-10	1,24E-12
29	TDC-015	SDV-002	PSV-001	GAFV-001	2,52E-10	1,71E-12
30	MIOA	SDV-002	PSV-001	GAFV-001	2,03E-10	2,65E-12