pass	RE6A	13	1.654E-001	2.722E-006	4.503E-007	2.272E-006
pass	RE7	14	2.367E-002	6.177E-005	1.463E-006	6.031E-005
pass	RE9	2	1.147E-002	1.663E-005	1.907E-007	1.643E-005
pass	REA	8	1.360E-001	3.692E-006	5.022E-007	3.190E-006
pass	REF	131	1.000E+000	4.095E-005	4.095E-005	-1.964E-017
pass	RRF	71	1.000E+000	3.327E-005	3.327E-005	-2.942E-017
pass	RS1	3	1.433E-004	-5.062E-008	-7.254E-012	-5.061E-008
pass	RSF	74	1.000E+000	3.535E-005	3.535E-005	-2.819E-018
pass	RT	9	1.140E+000	9.330E-007	1.064E-006	-1.306E-007
pass	RT1	163	9.773E-005	-4.628E-005	-4.473E-009	-4.628E-005
pass	RT3	45	3.578E-006	-1.736E-005	-6.212E-011	-1.736E-005
pass	RT4	22	4.300E-006	-5.130E-006	-2.206E-011	-5.130E-006
pass	RT5	2	5.151E-004	-2.132E-007	-1.097E-010	-2.131E-007
pass	RTS	9	+0.000E+000	-1.064E-006	+0.000E+000	-1.064E-006
pass	RW1	241	4.786E-005	1.902E-002	1.008E-006	1.902E-002
pass	SA1	187	7.601E-003	-1.039E-005	-9.255E-008	-1.030E-005
pass	SA2	40	1.147E-002	2.837E-005	3.252E-007	2.804E-005
pass	SA4	1	1.166E-002	-2.543E-008	-2.965E-010	-2.513E-008
pass	SA5	3	1.391E-002	-4.434E-007	-6.166E-009	-4.372E-007
pass	SAF	10	1.000E+000	6.632E-007	6.632E-007	3.239E-018
pass	SB1	167	7.232E-003	-1.919E-005	-1.520E-007	-1.904E-005
pass	SB2	11	2.340E-002	2.410E-006	5.640E-008	2.354E-006
pass	SB3	8	7.606E-003	-4.535E-007	-3.450E-009	-4.501E-007
pass	SB4	33	1.121E-002	-2.603E-006	-2.934E-008	-2.573E-006
pass	SB6	7	8.321E-002	4.269E-006	3.552E-007	3.914E-006
pass	SB9	1	1.181E-002	-2.544E-008	-3.004E-010	-2.513E-008
pass	SBC	3	1.355E-002	-4.432E-007	-6.005E-009	-4.372E-007
pass	SBF	11	1.000E+000	6.845E-007	6.845E-007	-5.421E-020
pass	SE4	6	1.000E+000	5.482E-007	5.482E-007	+0.000E+000
pass	SEF	142	1.000E+000	5.049E-005	5.049E-005	-2.480E-018
pass	SGTR	1	2.050E-002	1.226E-006	2.513E-008	1.201E-006
pass						

	SL1	1	3.097E-002	-2.594E-008	-8.033E-010	-2.513E-008
pass						
	SLB1	3	4.640E-004	9.422E-004	4.372E-007	9.418E-004
pass						
	SLOCI	25	1.820E-002	1.008E-003	1.834E-005	9.896E-004
pass						
	SLOCN	15	5.550E-003	1.050E-003	5.825E-006	1.044E-003
pass						
	SM1	81	1.607E-004	-3.555E-005	-5.631E-009	-3.555E-005
pass						
	SMF	160	1.000E+000	3.450E-005	3.450E-005	-6.439E-017
pass						
	TB1	5	1.446E-003	-1.432E-007	-2.071E-010	-1.430E-007
pass						
	TB3	6	2.976E-002	5.506E-006	1.639E-007	5.342E-006
pass						
	TB4	8	3.347E-002	7.760E-008	2.597E-009	7.500E-008
pass						
	TBF	222	1.000E+000	6.901E-005	6.901E-005	-2.473E-017
pass						
	TLMFW	2	1.200E-001	6.709E-007	8.051E-008	5.904E-007
pass						
	TT	13	8.830E-001	1.034E-006	9.128E-007	1.210E-007
pass						
	TT1	228	5.056E-005	-6.914E-005	-3.470E-009	-6.913E-005
pass						
	TTS	13	+0.000E+000	-9.128E-007	+0.000E+000	-9.128E-007
pass						
	VL1	46	1.030E-003	9.989E-006	1.077E-008	9.978E-006
pass						
	VL2	44	1.330E-002	-2.937E-006	-3.907E-008	-2.898E-006
pass						
	VL3	13	1.300E-002	-5.004E-007	-6.507E-009	-4.939E-007
pass						
	VLF	138	1.000E+000	2.906E-005	2.906E-005	-5.685E-017
pass						
	WA1	18	4.279E-008	-9.214E-007	-3.940E-014	-9.214E-007
pass						
	WA2	37	1.297E-002	1.810E-003	2.378E-005	1.786E-003
pass						
	WAF	186	1.000E+000	4.466E-005	4.466E-005	-2.594E-017
pass						
	WAX	7	1.010E-002	1.018E-004	1.028E-006	1.007E-004
pass						
	WB1	31	3.999E-008	-5.826E-006	-2.330E-013	-5.826E-006
pass						
	WB3	8	1.222E-002	-6.860E-007	-8.383E-009	-6.776E-007
pass						
	WB4	30	7.685E-002	3.092E-004	2.381E-005	2.854E-004
pass						
	WB5	1	1.308E-002	2.314E-006	3.027E-008	2.284E-006
pass						
	WBF	171	1.000E+000	3.970E-005	3.970E-005	-1.923E-017
pass						
	WBX	6	3.560E-006	8.330E-001	2.966E-006	8.330E-001
pass						
	WXB	9	1.010E-002	1.136E-004	1.147E-006	1.125E-004
pass						

2007/04/09 Page # 08:28:09 pass
Model Rev. 1993/08/20 pass
pass

BV2-5-02 Scenario: End State Birnbaum Group Importance Completed at 04/09/07
08:28:09

BV2-5-03 Scenario: End State Uncertainty Group Importance Started at 04/09/07
08:28:09
end_state_imp_G-unc.rpt Group End State Importance Measures Report Started
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END STATE IMPORTANCE MEASURES REPORT pass
Project: BV2-5 Case : Current pass
Analysis: RANDOM (Sorted by Event Name)
Units: Per Hour pass

End State	Basic Event	Occurrences	Probability	Uncertainty	Risk Reduction Difference	Risk Increase Difference	pass
GROUP	AF1	42	1.072E-005	-4.105E-010	-2.589E-010	-2.434E-005	pass
	AF2	10	4.858E-004	-2.121E-009	-1.336E-009	-2.750E-006	pass
	AF3	28	5.150E-002	-5.935E-008	-8.643E-008	-1.592E-006	pass
	AF4	107	4.967E-002	-7.855E-007	-1.169E-006	-2.236E-005	pass
	AF5	9	6.819E-004	-6.562E-010	-6.101E-010	-8.941E-007	pass
	AF6	32	1.934E-004	9.134E-008	6.306E-008	3.260E-004	pass
	AFB	3	1.248E-005	-8.769E-012	-5.189E-012	-4.158E-007	pass
	AFC	1	4.867E-004	-3.286E-011	-2.265E-011	-4.652E-008	pass
	AFF	9	1.000E+000	+0.000E+000	6.845E-007	1.778E-017	pass
	AMSIV	2	1.830E-002	+0.000E+000	3.481E-008	1.868E-006	pass
	AO1	116	9.545E-004	5.053E-006	8.207E-006	8.469E-003	pass
	AO2	93	1.082E-001	1.090E-005	1.835E-005	1.512E-004	pass
	AOF	32	1.000E+000	+0.000E+000	1.006E-005	+0.000E+000	pass
	AOX	30	3.190E-002	6.617E-006	9.845E-006	2.988E-004	pass
	BK1	82	9.049E-002	-1.007E-007	-1.751E-007	-1.759E-006	pass
	BK2	159	5.031E-004	-2.089E-008	-2.551E-008	-5.119E-005	pass
	BP3	34	5.933E-003	+0.000E+000	2.036E-006	3.412E-004	pass
	BP4	68	8.655E-004	+0.000E+000	1.024E-006	1.160E-003	pass
	BP5	52	1.493E-001	+0.000E+000	1.431E-005	8.147E-005	pass
	BP6	24	9.939E-002	+0.000E+000	9.482E-007	8.592E-006	pass
	BP7	27	8.703E-004	2.055E-006	3.188E-006	3.605E-003	pass
	BP8	3	1.047E-001	9.311E-008	1.764E-007	1.509E-006	pass
	BPA	14	1.700E-004	+0.000E+000	2.292E-007	1.347E-003	pass
	BPF	19	1.000E+000	+0.000E+000	4.935E-006	+0.000E+000	

pass	BPX	17	3.190E-002	3.146E-006	4.722E-006	1.433E-004
pass	BV1	55	1.724E-007	-7.388E-012	-4.696E-012	-2.775E-005
pass	BV2	63	5.297E-005	-1.024E-009	-7.546E-010	-1.425E-005
pass	BV4	2	1.348E-004	6.857E-008	4.853E-008	3.595E-004
pass	BVF	2	1.000E+000	+0.000E+000	2.131E-007	+0.000E+000
pass	BVS	119	+0.000E+000	+0.000E+000	+0.000E+000	-2.779E-005
pass	BVX	2	2.350E-005	3.520E-007	2.131E-007	9.068E-003
pass	CC1	15	2.856E-005	-1.939E-011	-2.306E-011	-8.075E-007
pass	CCF	224	1.000E+000	+0.000E+000	6.914E-005	-2.701E-017
pass	CCG	2	2.803E-004	-1.764E-011	-2.745E-011	-9.791E-008
pass	CD2	1	1.027E-003	-5.696E-011	-3.429E-011	-3.335E-008
pass	CD6	67	1.956E-002	1.622E-006	1.259E-006	6.309E-005
pass	CD7	64	7.268E-002	-8.852E-008	-2.309E-007	-7.714E-007
pass	CD8	41	1.495E-001	-3.804E-008	-5.645E-008	-3.205E-007
pass	CDF	49	1.000E+000	+0.000E+000	1.158E-005	6.637E-017
pass	CI1	56	5.167E-003	-4.091E-008	-6.848E-008	-1.369E-005
pass	CI2	13	1.696E-002	-1.135E-008	-3.596E-008	-2.084E-006
pass	CI3	44	1.124E-002	-4.823E-008	-1.320E-007	-1.161E-005
pass	CI6	119	1.188E-002	-1.948E-007	-2.288E-007	-1.903E-005
pass	CIF	9	1.000E+000	+0.000E+000	6.845E-007	1.778E-017
pass	CPEXC	1	2.390E-002	+0.000E+000	1.224E-008	4.997E-007
pass	CS1	3	5.472E-005	-3.199E-012	-2.468E-012	-4.511E-008
pass	CS2	31	3.834E-003	-3.259E-008	-2.300E-008	-5.976E-006
pass	CS3	67	8.572E-003	-3.081E-008	-4.864E-008	-5.625E-006
pass	CS4	125	1.139E-001	-2.101E-007	-4.689E-007	-1.279E-006
pass	CSF	15	1.000E+000	+0.000E+000	1.547E-006	1.518E-017
pass	DO1	74	8.353E-005	-1.691E-009	-2.496E-009	-3.038E-005
pass	DO2	141	4.876E-004	-4.790E-009	-6.295E-009	-1.290E-005
pass	DO3	22	5.737E-004	7.892E-008	1.091E-007	1.898E-004
pass	DOF	4	1.000E+000	+0.000E+000	2.682E-007	+0.000E+000
pass	DOX	2	1.400E-002	3.239E-008	5.511E-008	3.882E-006
pass						

	DP1	100	8.499E-005	1.918E-006	3.454E-006	3.579E-002	pass
	DP2	107	5.083E-004	-2.628E-009	-2.992E-009	-5.882E-006	pass
	DP3	25	5.678E-004	9.444E-008	1.280E-007	2.251E-004	pass
	DPF	9	1.000E+000	+0.000E+000	1.808E-006	+0.000E+000	pass
	DPX	7	1.400E-002	9.228E-007	1.595E-006	1.124E-004	pass
	EA0	54	+0.000E+000	+0.000E+000	+0.000E+000	-2.537E-005	pass
	EA1	11	2.557E-002	4.251E-007	1.067E-006	4.067E-005	pass
	EA2	16	1.044E-001	2.039E-006	2.456E-006	2.107E-005	pass
	EAF	160	1.000E+000	+0.000E+000	4.113E-005	-4.116E-017	pass
	EB0	69	+0.000E+000	+0.000E+000	+0.000E+000	-3.033E-005	pass
	EB3	1	2.533E-002	+0.000E+000	-4.717E-010	-1.815E-008	pass
	EB4	3	3.833E-002	+0.000E+000	4.986E-008	1.251E-006	pass
	EB6	10	7.706E-001	+0.000E+000	1.554E-006	4.626E-007	pass
	EB7	21	2.159E-002	+0.000E+000	5.487E-006	2.484E-004	pass
	EB8	7	9.895E-002	+0.000E+000	1.012E-006	9.217E-006	pass
	EBF	130	1.000E+000	+0.000E+000	3.160E-005	-9.701E-017	pass
	EXFW	5	2.410E-001	+0.000E+000	2.105E-007	6.628E-007	pass
	FA1	63	1.298E-003	6.230E-007	1.053E-006	8.071E-004	pass
	FA2	18	3.428E-002	6.452E-007	2.455E-006	6.914E-005	pass
	FAF	160	1.000E+000	+0.000E+000	4.113E-005	-4.116E-017	pass
	FB3	49	1.303E-003	+0.000E+000	-1.472E-008	-1.127E-005	pass
	FB4	6	1.907E-002	+0.000E+000	4.861E-008	2.500E-006	pass
	FB5	1	3.214E-002	+0.000E+000	-4.744E-010	-1.429E-008	pass
	FB6	10	9.965E-002	+0.000E+000	1.554E-006	1.404E-005	pass
	FB7	38	5.986E-003	+0.000E+000	5.468E-006	9.046E-004	pass
	FB8	8	3.868E-002	+0.000E+000	1.011E-006	2.512E-005	pass
	FBF	129	1.000E+000	+0.000E+000	3.158E-005	-9.635E-017	pass
	HC1	1	5.899E-004	8.481E-009	1.352E-008	2.290E-005	pass
	HC3	2	1.309E-002	-7.552E-010	-1.299E-009	-9.791E-008	pass
	HCF	21	1.000E+000	+0.000E+000	1.458E-006	-1.648E-017	pass
	HH1	10	5.875E-004	3.187E-008	1.320E-008	2.245E-005	pass
	HH3	2	5.897E-004	-1.185E-010	-5.777E-011	-9.791E-008	

pass	HH6	8	6.764E-007	-5.269E-013	-3.931E-013	-5.814E-007
pass	HH7	5	1.393E-003	-5.056E-010	-5.899E-010	-4.229E-007
pass	HHF	216	1.000E+000	+0.000E+000	6.846E-005	-2.473E-017
pass	IA1	127	3.424E-004	-7.984E-009	-1.575E-008	-4.617E-005
pass	IA2	65	5.865E-004	-6.030E-009	-1.010E-008	-1.721E-005
pass	IAF	49	1.000E+000	+0.000E+000	6.349E-006	-6.343E-018
pass	IB1	75	2.027E-005	-6.440E-010	-6.059E-010	-3.040E-005
pass	IB2	164	5.287E-004	-6.869E-009	-9.375E-009	-1.772E-005
pass	IBF	2	1.000E+000	+0.000E+000	2.131E-007	+0.000E+000
pass	IC1	5	1.834E-004	-1.476E-011	-2.623E-011	-1.430E-007
pass	ICF	236	1.000E+000	+0.000E+000	6.990E-005	-2.503E-017
pass	IMSIV	5	6.960E-002	+0.000E+000	2.125E-007	2.840E-006
pass	IR1	72	6.009E-005	-1.897E-009	-1.780E-009	-3.013E-005
pass	IR2	159	3.391E-004	-7.620E-009	-1.332E-008	-3.926E-005
pass	IRF	10	1.000E+000	+0.000E+000	6.632E-007	3.239E-018
pass	IRX	3	6.100E-003	2.831E-007	2.728E-007	4.445E-005
pass	ISI	3	2.220E-002	+0.000E+000	5.406E-008	2.381E-006
pass	IW1	103	5.872E-005	-2.345E-009	-2.300E-009	-3.967E-005
pass	IW2	127	3.421E-004	-5.590E-009	-1.016E-008	-2.969E-005
pass	IWF	11	1.000E+000	+0.000E+000	6.845E-007	-5.421E-020
pass	IWX	3	6.100E-003	2.857E-007	2.753E-007	4.486E-005
pass	IY1	106	2.020E-005	-8.821E-010	-7.966E-010	-3.994E-005
pass	IY2	133	5.283E-004	-1.285E-008	-1.580E-008	-2.989E-005
pass	IYF	2	1.000E+000	+0.000E+000	2.131E-007	+0.000E+000
pass	LB2A	15	1.140E-001	+0.000E+000	2.707E-006	2.104E-005
pass	LC2	39	2.487E-007	+0.000E+000	-6.545E-012	-2.683E-005
pass	LC3	22	1.911E-005	+0.000E+000	-2.813E-011	-1.472E-006
pass	LC6	2	2.499E-007	+0.000E+000	-2.437E-014	-9.791E-008
pass	LCF	178	1.000E+000	+0.000E+000	4.165E-005	-8.065E-017
pass	LCV	2	1.010E-001	+0.000E+000	6.777E-008	6.032E-007
pass	LH1	41	6.896E-004	-1.055E-008	-1.819E-008	-2.686E-005
pass						

	LH2	41	1.162E-002	-2.392E-008	-5.605E-008	-4.767E-006	pass
	LHF	159	1.000E+000	+0.000E+000	3.448E-005	-6.381E-017	pass
	LOSP	45	6.240E-002	+0.000E+000	1.736E-005	2.609E-004	pass
	LPRF	2	1.010E-001	+0.000E+000	7.206E-008	6.414E-007	pass
	MFF	10	1.000E+000	+0.000E+000	5.051E-007	3.545E-017	pass
	MS0	238	+0.000E+000	+0.000E+000	+0.000E+000	-6.961E-005	pass
	MS1	3	7.101E-004	-3.729E-010	-3.106E-010	-4.372E-007	pass
	MUF	2	1.000E+000	+0.000E+000	9.791E-008	1.452E-017	pass
	NMF	239	1.000E+000	+0.000E+000	6.995E-005	1.361E-017	pass
	NMS	2	+0.000E+000	+0.000E+000	+0.000E+000	-9.791E-008	pass
	NRF	241	1.000E+000	+0.000E+000	7.005E-005	-9.080E-019	pass
	OB2	1	5.518E-003	-3.862E-010	-3.582E-010	-6.456E-008	pass
	OBF	18	1.000E+000	+0.000E+000	1.125E-006	2.372E-018	pass
	OD3	2	1.290E-003	-7.453E-011	-4.289E-011	-3.321E-008	pass
	OD6	42	1.356E-003	-1.844E-008	-1.523E-008	-1.150E-005	pass
	OD7	20	1.647E-003	-1.057E-008	-9.261E-009	-5.614E-006	pass
	ODB	9	2.296E-003	-3.645E-009	-4.280E-009	-1.860E-006	pass
	ODF	58	1.000E+000	+0.000E+000	1.861E-005	1.049E-016	pass
	OF1	10	1.210E-003	-1.136E-009	-6.119E-010	-5.051E-007	pass
	OFF	9	1.000E+000	+0.000E+000	6.845E-007	1.778E-017	pass
	OG1	196	1.275E-003	7.813E-007	1.430E-006	1.119E-003	pass
	OGF	45	1.000E+000	+0.000E+000	1.736E-005	+0.000E+000	pass
	OR1	40	3.600E-004	-7.841E-009	-9.486E-009	-2.685E-005	pass
	OR2	1	1.792E-003	-2.790E-011	-2.398E-011	-1.336E-008	pass
	OR3	40	1.153E-002	3.036E-008	4.365E-008	3.742E-006	pass
	OS0	191	+0.000E+000	+0.000E+000	+0.000E+000	-6.759E-005	pass
	OS1	2	1.048E-002	6.122E-008	4.890E-008	4.617E-006	pass
	OS2	11	1.722E-002	4.577E-007	3.538E-007	2.020E-005	pass
	OS6	33	1.000E-003	+0.000E+000	1.063E-008	1.062E-005	pass
	OSF	4	1.000E+000	+0.000E+000	2.616E-007	-6.370E-019	pass
	OT1	232	1.306E-003	-1.100E-007	-6.066E-008	-4.688E-005	pass
	OTS	9	+0.000E+000	+0.000E+000	+0.000E+000	-1.064E-006	

pass	PI1	27	1.812E-004	-3.983E-009	-4.444E-009	-2.479E-005
pass	PI2	42	2.547E-002	-2.579E-008	-3.741E-008	-1.431E-006
pass	PIS	2	+0.000E+000	+0.000E+000	+0.000E+000	-3.321E-008
pass	PLMFW	7	5.530E-001	+0.000E+000	5.038E-007	4.072E-007
pass	PR0	50	+0.000E+000	+0.000E+000	+0.000E+000	-1.761E-005
pass	PR1	5	5.021E-004	1.599E-008	1.902E-008	3.786E-005
pass	PR4	2	9.113E-003	3.215E-007	2.131E-007	2.084E-005
pass	PR5	6	2.593E-002	4.542E-009	6.759E-009	2.539E-007
pass	PR6	22	5.096E-002	4.688E-008	6.228E-008	1.160E-006
pass	PR7	10	4.946E-002	2.067E-008	3.173E-008	6.098E-007
pass	PR8	5	2.507E-002	3.115E-008	4.353E-008	1.693E-006
pass	PR9	87	7.671E-002	7.532E-006	1.074E-005	1.293E-004
pass	PRA	18	2.001E-003	-7.467E-009	-7.695E-009	-3.827E-006
pass	PRF	28	1.000E+000	+0.000E+000	6.603E-006	-1.220E-019
pass	PRJ	5	3.034E-001	5.395E-008	7.363E-008	1.691E-007
pass	PRV	2	2.989E-001	3.387E-008	4.890E-008	1.147E-007
pass	QS1	41	1.632E-004	-7.869E-009	-4.302E-009	-2.686E-005
pass	QS2	41	6.160E-003	-2.707E-008	-3.624E-008	-5.847E-006
pass	QSF	159	1.000E+000	+0.000E+000	3.448E-005	-6.381E-017
pass	RC1	3	2.470E-002	-5.783E-010	-1.282E-009	-5.061E-008
pass	RCF	74	1.000E+000	+0.000E+000	3.535E-005	-2.819E-018
pass	RD2	3	2.343E-002	+0.000E+000	-1.214E-009	-5.061E-008
pass	RDF	74	1.000E+000	+0.000E+000	3.535E-005	-2.819E-018
pass	RE1	9	5.042E-003	+0.000E+000	4.512E-006	8.891E-004
pass	RE2	22	1.212E-001	+0.000E+000	9.514E-006	6.897E-005
pass	RE3	2	8.136E-002	+0.000E+000	3.010E-007	3.399E-006
pass	RE4	1	1.382E-001	+0.000E+000	1.010E-008	6.297E-008
pass	RE5A	39	1.226E-001	+0.000E+000	1.215E-005	8.695E-005
pass	RE6A	13	1.654E-001	+0.000E+000	4.503E-007	2.272E-006
pass	RE7	14	2.367E-002	+0.000E+000	1.463E-006	6.031E-005
pass	RE9	2	1.147E-002	+0.000E+000	1.907E-007	1.643E-005
pass						

	REA	8	1.360E-001	+0.000E+000	5.022E-007	3.190E-006	pass
	REF	131	1.000E+000	+0.000E+000	4.095E-005	-1.964E-017	pass
	RRF	71	1.000E+000	+0.000E+000	3.327E-005	-2.942E-017	pass
	RS1	3	1.433E-004	-1.091E-011	-7.254E-012	-5.061E-008	pass
	RSF	74	1.000E+000	+0.000E+000	3.535E-005	-2.819E-018	pass
	RT	9	1.140E+000	+0.000E+000	1.064E-006	-1.306E-007	pass
	RT1	163	9.773E-005	-5.340E-009	-4.473E-009	-4.628E-005	pass
	RT3	45	3.578E-006	-6.729E-011	-6.212E-011	-1.736E-005	pass
	RT4	22	4.300E-006	-2.367E-011	-2.206E-011	-5.130E-006	pass
	RT5	2	5.151E-004	-7.414E-011	-1.097E-010	-2.131E-007	pass
	RTS	9	+0.000E+000	+0.000E+000	+0.000E+000	-1.064E-006	pass
	RW1	241	4.786E-005	2.092E-006	1.008E-006	1.902E-002	pass
	SA1	187	7.601E-003	-5.582E-008	-9.255E-008	-1.030E-005	pass
	SA2	40	1.147E-002	2.531E-007	3.252E-007	2.804E-005	pass
	SA4	1	1.166E-002	-2.281E-010	-2.965E-010	-2.513E-008	pass
	SA5	3	1.391E-002	-4.466E-009	-6.166E-009	-4.372E-007	pass
	SAF	10	1.000E+000	+0.000E+000	6.632E-007	3.239E-018	pass
	SB1	167	7.232E-003	-9.490E-008	-1.520E-007	-1.904E-005	pass
	SB2	11	2.340E-002	5.194E-008	5.640E-008	2.354E-006	pass
	SB3	8	7.606E-003	-2.449E-009	-3.450E-009	-4.501E-007	pass
	SB4	33	1.121E-002	-2.414E-008	-2.934E-008	-2.573E-006	pass
	SB6	7	8.321E-002	1.639E-007	3.552E-007	3.914E-006	pass
	SB9	1	1.181E-002	-2.493E-010	-3.004E-010	-2.513E-008	pass
	SBC	3	1.355E-002	-5.050E-009	-6.005E-009	-4.372E-007	pass
	SBF	11	1.000E+000	+0.000E+000	6.845E-007	-5.421E-020	pass
	SE4	6	1.000E+000	+0.000E+000	5.482E-007	+0.000E+000	pass
	SEF	142	1.000E+000	+0.000E+000	5.049E-005	-2.480E-018	pass
	SGTR	1	2.050E-002	+0.000E+000	2.513E-008	1.201E-006	pass
	SL1	1	3.097E-002	-5.863E-010	-8.033E-010	-2.513E-008	pass
	SLB1	3	4.640E-004	+0.000E+000	4.372E-007	9.418E-004	pass
	SLOCI	25	1.820E-002	+0.000E+000	1.834E-005	9.896E-004	pass
	SLOCN	15	5.550E-003	+0.000E+000	5.825E-006	1.044E-003	

```
pass
        SM1     81      1.607E-004      -5.501E-009     -5.631E-009     -3.555E-005
pass
        SMF     160     1.000E+000      +0.000E+000     3.450E-005      -6.439E-017
pass
        TB1     5       1.446E-003      -1.166E-010     -2.071E-010     -1.430E-007
pass
        TB3     6       2.976E-002      8.381E-008      1.639E-007      5.342E-006
pass
        TB4     8       3.347E-002      1.303E-009      2.597E-009      7.500E-008
pass
        TBF     222     1.000E+000      +0.000E+000     6.901E-005      -2.473E-017
pass
        TLMFW   2       1.200E-001      +0.000E+000     8.051E-008      5.904E-007
pass
        TT      13      8.830E-001      +0.000E+000     9.128E-007      1.210E-007
pass
        TT1     228     5.056E-005      -4.411E-009     -3.470E-009     -6.913E-005
pass
        TTS     13      +0.000E+000     +0.000E+000     +0.000E+000     -9.128E-007
pass
        VL1     46      1.030E-003      5.693E-009      1.077E-008      9.978E-006
pass
        VL2     44      1.330E-002      -2.260E-008     -3.907E-008     -2.898E-006
pass
        VL3     13      1.300E-002      -3.824E-009     -6.507E-009     -4.939E-007
pass
        VLF     138     1.000E+000      +0.000E+000     2.906E-005      -5.685E-017
pass
        WA1     18      4.279E-008      -7.189E-014     -3.940E-014     -9.214E-007
pass
        WA2     37      1.297E-002      1.372E-005      2.378E-005      1.786E-003
pass
        WAF     186     1.000E+000      +0.000E+000     4.466E-005      -2.594E-017
pass
        WAX     7       1.010E-002      +0.000E+000     1.028E-006      1.007E-004
pass
        WB1     31      3.999E-008      -2.944E-014     -2.330E-013     -5.826E-006
pass
        WB3     8       1.222E-002      +0.000E+000     -8.383E-009     -6.776E-007
pass
        WB4     30      7.685E-002      +0.000E+000     2.381E-005      2.854E-004
pass
        WB5     1       1.308E-002      +0.000E+000     3.027E-008      2.284E-006
pass
        WBF     171     1.000E+000      +0.000E+000     3.970E-005      -1.923E-017
pass
        WBX     6       3.560E-006      +0.000E+000     2.966E-006      8.330E-001
pass
        WXB     9       1.010E-002      +0.000E+000     1.147E-006      1.125E-004
pass
2007/04/09      Page #  08:28:10 pass
        Model Rev. 1993/08/20   pass
 pass

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BV2-5-03 Scenario: End State Uncertainty Group Importance Completed at 04/09/07
08:28:10

Test Completed Successfully
CR3-MOD699-01 Scenario: Solve Fault Tree Started at 04/09/07 08:28:25
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```
Unmark All Change Sets
Generate Current Event Data
Unmark All Fault Trees
COREDAMAGE Fault Tree Marked
Generate Fault Tree Cut Sets - Truncation = 2.0000E-008
Update Fault Tree Cut Sets - Truncation = 2.0000E-008
Fault Tree Base Case Updated
ft_current_vs_base1.rpt Fault Tree View Current Vs. Base Report Started
-------------------------------------------------------------------------------

        System  Base Vs. Current Report by Name  pass
Project : CR3-MOD699                             pass
Analysis: RANDOM                                Units: Per Hour pass
Fault Tree      Curr Freq Per Hour      Base Freq Per Hour      Difference
Ratio   Curr Cnt        Base Cnt        Difference pass
COREDAMAGE      3.989E-06       3.989E-06       0.000E+00       1.000E+00       47
47      0 pass
2007/04/09      Page #  08:29:49 pass
        Model Rev. ----/--/--    pass
 pass

-------------------------------------------------------------------------------


ft_cutset_only1.rpt Fault Tree Cut Set Report Started
-------------------------------------------------------------------------------

        FAULT TREE CUT SETS REPORT       pass
Project: CR3-MOD699                             Case : Current pass
Analysis: RANDOM                                Units: Per Hour pass
Fault Tree      % Total Cut Set %       Prob./Freq.     Inputs pass
COREDAMAGE      17.79   17.79   7.096E-007      HCCMV44N, IE_R pass
        29.20   11.41   4.550E-007      IE_A, LHULPRCY, ZHULPRCY pass
        38.42   9.22    3.680E-007      HHUHPRCY, IE_S, ZHUHPRCY pass
        44.07   5.65    2.253E-007      HNOMAINT, IE_S, LCC4243N pass
        49.72   5.65    2.253E-007      HNOMAINT, IE_S, LMVRVCCF pass
        53.44   3.72    1.485E-007      IE_R, LMMDHRSF, PMMSRVAC, RSPLTSGA,
WHUBWSTY, ZHUBWSWY pass
        57.16   3.72    1.485E-007      IE_R, LMMDHRSF, PMMSRVBC, RSPLTSGB,
WHUBWSTY, ZHUBWSWY pass
        60.14   2.98    1.189E-007      HCCMV44N, IE_S pass
        62.47   2.33    9.303E-008      HNOMAINT, IE_S, SMMRW3CF pass
        64.42   1.95    7.780E-008      HNOMAINT, IE_S, LMMDV42F, SPMDHCBM pass
        66.37   1.95    7.780E-008      HNOMAINT, IE_S, LMMDV43F, SPMDHCAM pass
        68.04   1.67    6.642E-008      ADGMTDGF, APWNR20R, DACPWRNR, IE_T3,
JCCA224A pass
        69.65   1.61    6.407E-008      HNOMAINT, IE_S, SMMDCCCF pass
        71.18   1.53    6.094E-008      HNOMAINT, IE_S, LMMPMCCF pass
        72.50   1.32    5.284E-008      HNOMAINT, IE_S, LMMDV42F, LPM001BM pass
        73.82   1.32    5.284E-008      HNOMAINT, IE_S, LMMDV43F, LPM001AM pass
        75.02   1.20    4.785E-008      ADGMTDGF, AMMDG3AF, AMMDG3BF, APWNR15R,
DACPWRNR, IE_T3 pass
        76.17   1.15    4.593E-008      HNOMAINT, IE_S, LMMDHPAF, SPMDHCBM pass
        77.32   1.15    4.593E-008      HNOMAINT, IE_S, LMMDHPBF, SPMDHCAM pass
        78.45   1.13    4.508E-008      AHUMTDGY, APWNR20R, DACPWRNR, IE_T3,
JCCA224A, ZHUMTDGY pass
        79.57   1.12    4.453E-008      HNOMAINT, IE_S, SMMDHCCA, SPMDHCBM pass
        80.69   1.12    4.453E-008      HNOMAINT, IE_S, SMMDHCCB, SPMDHCAM pass
        81.77   1.08    4.298E-008      IE_R, PHUSGISY, RHUAXSPY, RHUPORVY,
RHURCPSY, RSPLTSGA, ZHUC018E pass
        82.85   1.08    4.298E-008      IE_R, PHUSGISY, RHUAXSPY, RHUPORVY,
RHURCPSY, RSPLTSGB, ZHUC018E pass
        83.93   1.08    4.298E-008      IE_R, RHUAXSPY, RHUPORVY, RHURCPSY,
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RSPLTSGA, WHUBWSTY, ZHUC024E pass
        85.01   1.08    4.298E-008      IE_R, RHUAXSPY, RHUPORVY, RHURCPSY,
RSPLTSGB, WHUBWSTY, ZHUC024E pass
        86.00   0.99    3.949E-008      HNOMAINT, IE_S, SMMRW3AF, SPMDHCBM pass
        86.99   0.99    3.949E-008      HNOMAINT, IE_S, SMMRW3BF, SPMDHCAM pass
        87.91   0.92    3.681E-008      HNOMAINT, IE_S, LMMDV11F, LMMDV12F pass
        88.83   0.92    3.681E-008      HNOMAINT, IE_S, LMMDV42F, LMMDV43F pass
        89.71   0.88    3.520E-008      IE_S, LSPSCRNP pass
        90.52   0.81    3.247E-008      AHUMTDGY, AMMDG3AF, AMMDG3BF, APWNR15R,
DACPWRNR, IE_T3, ZHUMTDGY pass
        91.30   0.78    3.119E-008      HNOMAINT, IE_S, LMMDHPAF, LPM001BM pass
        92.08   0.78    3.119E-008      HNOMAINT, IE_S, LMMDHPBF, LPM001AM pass
        92.84   0.76    3.025E-008      HNOMAINT, IE_S, LPM001AM, SMMDHCCB pass
        93.60   0.76    3.025E-008      HNOMAINT, IE_S, LPM001BM, SMMDHCCA pass
        94.27   0.67    2.682E-008      HNOMAINT, IE_S, LPM001AM, SMMRW3BF pass
        94.94   0.67    2.682E-008      HNOMAINT, IE_S, LPM001BM, SMMRW3AF pass
        95.60   0.66    2.630E-008      APWNR20R, DACPWRNR, IE_T3, JCCA224A,
PHUFWP7Y, ZHUFWP7Y pass
        96.18   0.58    2.300E-008      HHUHPRCY, IE_M, ZHUHPRCY pass
        96.75   0.57    2.275E-008      HNOMAINT, IE_S, LMMDV42F, SPMRW3BM pass
        97.32   0.57    2.275E-008      HNOMAINT, IE_S, LMMDV43F, SPMRW3AM pass
        97.86   0.54    2.173E-008      HNOMAINT, IE_S, LMMDHPAF, LMMDV43F pass
        98.40   0.54    2.173E-008      HNOMAINT, IE_S, LMMDHPBF, LMMDV42F pass
        98.94   0.54    2.146E-008      HHUINJAY, HNOMAINT, IE_T8, PHUFWP7Y,
QMMEFP2F, RMMRCVLC, ZHUC023E pass
        99.47   0.53    2.107E-008      HNOMAINT, IE_S, LMMDV42F, SMMDHCCB pass
        100.00  0.53    2.107E-008      HNOMAINT, IE_S, LMMDV43F, SMMDHCCA pass
                        3.989E-006      = Total pass
2007/04/09      Page #  08:29:49 pass
        Model Rev. ----/--/--   pass
pass

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CR3-MOD699-01 Scenario: Solve Fault Tree Completed at 04/09/07 08:29:49

CR3-MOD699-02 Scenario: Extract, Delete, Load, Solve Fault Tree Started at 04/09/07
08:29:49
Unmark All Fault Trees
All Fault Trees Marked
Extract Marked Fault Trees - ftl to -> all.ftl
Fault Tree(s)  Deleted
Extract All Basic Events - bei to -> all.bei
Extract All Basic Events - bed to -> all.bed
Unused Basic Events DeletedLoad Fault Trees - ftl from <- all.ftl
Load Basic Events - bei from <- all.bei
Load Basic Events - bed from <- all.bed
Unmark All Change Sets
Generate Current Event Data
Unmark All Fault Trees
COREDAMAGE Fault Tree Marked
Generate Fault Tree Cut Sets - Truncation = 2.0000E-008
Update Fault Tree Cut Sets - Truncation = 2.0000E-008
Fault Tree Base Case Updated
ft_current_vs_base2.rpt Fault Tree View Current Vs. Base Report Started
--------------------------------------------------------------------------------

        System  Base Vs. Current Report by Name  pass
Project : CR3-MOD699                             pass
Analysis: RANDOM                                Units: Per Hour pass
Fault Tree      Curr Freq Per Hour      Base Freq Per Hour      Difference
Ratio   Curr Cnt        Base Cnt        Difference pass
```

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COREDAMAGE      3.989E-06       3.989E-06       0.000E+00       1.000E+00       47
47      0 pass
2007/04/09      Page #  08:31:24 pass
        Model Rev. ----/--/--    pass
 pass

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ft_cutset_only2.rpt Fault Tree Cut Set Report Started
--------------------------------------------------------------------------------

        FAULT TREE CUT SETS REPORT       pass
Project: CR3-MOD699                             Case : Current pass
Analysis: RANDOM                                Units: Per Hour pass
Fault Tree      % Total Cut Set %       Prob./Freq.     Inputs pass
COREDAMAGE      17.79   17.79   7.096E-007      HCCMV44N, IE_R pass
        29.20   11.41   4.550E-007      IE_A, LHULPRCY, ZHULPRCY pass
        38.42   9.22    3.680E-007      HHUHPRCY, IE_S, ZHUHPRCY pass
        44.07   5.65    2.253E-007      HNOMAINT, IE_S, LCC4243N pass
        49.72   5.65    2.253E-007      HNOMAINT, IE_S, LMVRVCCF pass
        53.44   3.72    1.485E-007      IE_R, LMMDHRSF, PMMSRVAC, RSPLTSGA,
WHUBWSTY, ZHUBWSWY pass
        57.16   3.72    1.485E-007      IE_R, LMMDHRSF, PMMSRVBC, RSPLTSGB,
WHUBWSTY, ZHUBWSWY pass
        60.14   2.98    1.189E-007      HCCMV44N, IE_S pass
        62.47   2.33    9.303E-008      HNOMAINT, IE_S, SMMRW3CF pass
        64.42   1.95    7.780E-008      HNOMAINT, IE_S, LMMDV42F, SPMDHCBM pass
        66.37   1.95    7.780E-008      HNOMAINT, IE_S, LMMDV43F, SPMDHCAM pass
        68.04   1.67    6.642E-008      ADGMTDGF, APWNR20R, DACPWRNR, IE_T3,
JCCA224A pass
        69.65   1.61    6.407E-008      HNOMAINT, IE_S, SMMDCCCF pass
        71.18   1.53    6.094E-008      HNOMAINT, IE_S, LMMPMCCF pass
        72.50   1.32    5.284E-008      HNOMAINT, IE_S, LMMDV42F, LPM001BM pass
        73.82   1.32    5.284E-008      HNOMAINT, IE_S, LMMDV43F, LPM001AM pass
        75.02   1.20    4.785E-008      ADGMTDGF, AMMDG3AF, AMMDG3BF, APWNR15R,
DACPWRNR, IE_T3 pass
        76.17   1.15    4.593E-008      HNOMAINT, IE_S, LMMDHPAF, SPMDHCBM pass
        77.32   1.15    4.593E-008      HNOMAINT, IE_S, LMMDHPBF, SPMDHCAM pass
        78.45   1.13    4.508E-008      AHUMTDGY, APWNR20R, DACPWRNR, IE_T3,
JCCA224A, ZHUMTDGY pass
        79.57   1.12    4.453E-008      HNOMAINT, IE_S, SMMDHCCA, SPMDHCBM pass
        80.69   1.12    4.453E-008      HNOMAINT, IE_S, SMMDHCCB, SPMDHCAM pass
        81.77   1.08    4.298E-008      IE_R, PHUSGISY, RHUAXSPY, RHUPORVY,
RHURCPSY, RSPLTSGA, ZHUC018E pass
        82.85   1.08    4.298E-008      IE_R, PHUSGISY, RHUAXSPY, RHUPORVY,
RHURCPSY, RSPLTSGB, ZHUC018E pass
        83.93   1.08    4.298E-008      IE_R, RHUAXSPY, RHUPORVY, RHURCPSY,
RSPLTSGA, WHUBWSTY, ZHUC024E pass
        85.01   1.08    4.298E-008      IE_R, RHUAXSPY, RHUPORVY, RHURCPSY,
RSPLTSGB, WHUBWSTY, ZHUC024E pass
        86.00   0.99    3.949E-008      HNOMAINT, IE_S, SMMRW3AF, SPMDHCBM pass
        86.99   0.99    3.949E-008      HNOMAINT, IE_S, SMMRW3BF, SPMDHCAM pass
        87.91   0.92    3.681E-008      HNOMAINT, IE_S, LMMDV11F, LMMDV12F pass
        88.83   0.92    3.681E-008      HNOMAINT, IE_S, LMMDV42F, LMMDV43F pass
        89.71   0.88    3.520E-008      IE_S, LSPSCRNP pass
        90.52   0.81    3.247E-008      AHUMTDGY, AMMDG3AF, AMMDG3BF, APWNR15R,
DACPWRNR, IE_T3, ZHUMTDGY pass
        91.30   0.78    3.119E-008      HNOMAINT, IE_S, LMMDHPAF, LPM001BM pass
        92.08   0.78    3.119E-008      HNOMAINT, IE_S, LMMDHPBF, LPM001AM pass
        92.84   0.76    3.025E-008      HNOMAINT, IE_S, LPM001AM, SMMDHCCB pass
        93.60   0.76    3.025E-008      HNOMAINT, IE_S, LPM001BM, SMMDHCCA pass
        94.27   0.67    2.682E-008      HNOMAINT, IE_S, LPM001AM, SMMRW3BF pass
```

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        94.94   0.67    2.682E-008      HNOMAINT, IE_S, LPM001BM, SMMRW3AF pass
        95.60   0.66    2.630E-008      APWNR20R, DACPWRNR, IE_T3, JCCA224A,
PHUFWP7Y, ZHUFWP7Y pass
        96.18   0.58    2.300E-008      HHUHPRCY, IE_M, ZHUHPRCY pass
        96.75   0.57    2.275E-008      HNOMAINT, IE_S, LMMDV42F, SPMRW3BM pass
        97.32   0.57    2.275E-008      HNOMAINT, IE_S, LMMDV43F, SPMRW3AM pass
        97.86   0.54    2.173E-008      HNOMAINT, IE_S, LMMDHPAF, LMMDV43F pass
        98.40   0.54    2.173E-008      HNOMAINT, IE_S, LMMDHPBF, LMMDV42F pass
        98.94   0.54    2.146E-008      HHUINJAY, HNOMAINT, IE_T8, PHUFWP7Y,
QMMEFP2F, RMMRCVLC, ZHUC023E pass
        99.47   0.53    2.107E-008      HNOMAINT, IE_S, LMMDV42F, SMMDHCCB pass
        100.00  0.53    2.107E-008      HNOMAINT, IE_S, LMMDV43F, SMMDHCCA pass
                        3.989E-006      = Total pass
2007/04/09      Page #  08:31:24 pass
        Model Rev. ----/--/--    pass
 pass

--------------------------------------------------------------------------------


CR3-MOD699-02 Scenario: Extract, Delete, Load, Solve Fault Tree Completed at
04/09/07 08:31:24

CR3-MOD699-03 Scenario: Auto Page,Solve Fault Tree Started at 04/09/07 08:31:24
Unmark All Change Sets
Generate Current Event Data
Unmark All Fault Trees
COREDAMAGE Fault Tree Marked
Fault Tree Auto Paged
Generate Fault Tree Cut Sets - Truncation = 2.0000E-008
Update Fault Tree Cut Sets - Truncation = 2.0000E-008
Fault Tree Base Case Updated
ft_current_vs_base3.rpt Fault Tree View Current Vs. Base Report Started
--------------------------------------------------------------------------------

        System  Base Vs. Current Report by Name  pass
Project : CR3-MOD699                            pass
Analysis: RANDOM                                Units: Per Hour pass
Fault Tree      Curr Freq Per Hour      Base Freq Per Hour      Difference
Ratio   Curr Cnt        Base Cnt        Difference pass
COREDAMAGE      3.989E-06       3.989E-06       0.000E+00       1.000E+00       47
47      0 pass
2007/04/09      Page #  08:33:12 pass
        Model Rev. ----/--/--    pass
 pass

--------------------------------------------------------------------------------


ft_cutset_only3.rpt Fault Tree Cut Set Report Started
--------------------------------------------------------------------------------

        FAULT TREE CUT SETS REPORT       pass
Project: CR3-MOD699                             Case : Current pass
Analysis: RANDOM                                Units: Per Hour pass
Fault Tree      % Total Cut Set %       Prob./Freq.     Inputs pass
COREDAMAGE      17.79   17.79   7.096E-007      HCCMV44N, IE_R pass
        29.20   11.41   4.550E-007      IE_A, LHULPRCY, ZHULPRCY pass
        38.42   9.22    3.680E-007      HHUHPRCY, IE_S, ZHUHPRCY pass
        44.07   5.65    2.253E-007      HNOMAINT, IE_S, LCC4243N pass
        49.72   5.65    2.253E-007      HNOMAINT, IE_S, LMVRVCCF pass
        53.44   3.72    1.485E-007      IE_R, LMMDHRSF, PMMSRVAC, RSPLTSGA,
WHUBWSTY, ZHUBWSWY pass
```

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        57.16   3.72    1.485E-007      IE_R, LMMDHRSF, PMMSRVBC, RSPLTSGB,
WHUBWSTY, ZHUBWSWY pass
        60.14   2.98    1.189E-007      HCCMV44N, IE_S pass
        62.47   2.33    9.303E-008      HNOMAINT, IE_S, SMMRW3CF pass
        64.42   1.95    7.780E-008      HNOMAINT, IE_S, LMMDV42F, SPMDHCBM pass
        66.37   1.95    7.780E-008      HNOMAINT, IE_S, LMMDV43F, SPMDHCAM pass
        68.04   1.67    6.642E-008      ADGMTDGF, APWNR20R, DACPWRNR, IE_T3,
JCCA224A pass
        69.65   1.61    6.407E-008      HNOMAINT, IE_S, SMMDCCCF pass
        71.18   1.53    6.094E-008      HNOMAINT, IE_S, LMMPMCCF pass
        72.50   1.32    5.284E-008      HNOMAINT, IE_S, LMMDV42F, LPM001BM pass
        73.82   1.32    5.284E-008      HNOMAINT, IE_S, LMMDV43F, LPM001AM pass
        75.02   1.20    4.785E-008      ADGMTDGF, AMMDG3AF, AMMDG3BF, APWNR15R,
DACPWRNR, IE_T3 pass
        76.17   1.15    4.593E-008      HNOMAINT, IE_S, LMMDHPAF, SPMDHCBM pass
        77.32   1.15    4.593E-008      HNOMAINT, IE_S, LMMDHPBF, SPMDHCAM pass
        78.45   1.13    4.508E-008      AHUMTDGY, APWNR20R, DACPWRNR, IE_T3,
JCCA224A, ZHUMTDGY pass
        79.57   1.12    4.453E-008      HNOMAINT, IE_S, SMMDHCCA, SPMDHCBM pass
        80.69   1.12    4.453E-008      HNOMAINT, IE_S, SMMDHCCB, SPMDHCAM pass
        81.77   1.08    4.298E-008      IE_R, PHUSGISY, RHUAXSPY, RHUPORVY,
RHURCPSY, RSPLTSGA, ZHUC018E pass
        82.85   1.08    4.298E-008      IE_R, PHUSGISY, RHUAXSPY, RHUPORVY,
RHURCPSY, RSPLTSGB, ZHUC018E pass
        83.93   1.08    4.298E-008      IE_R, RHUAXSPY, RHUPORVY, RHURCPSY,
RSPLTSGA, WHUBWSTY, ZHUC024E pass
        85.01   1.08    4.298E-008      IE_R, RHUAXSPY, RHUPORVY, RHURCPSY,
RSPLTSGB, WHUBWSTY, ZHUC024E pass
        86.00   0.99    3.949E-008      HNOMAINT, IE_S, SMMRW3AF, SPMDHCBM pass
        86.99   0.99    3.949E-008      HNOMAINT, IE_S, SMMRW3BF, SPMDHCAM pass
        87.91   0.92    3.681E-008      HNOMAINT, IE_S, LMMDV11F, LMMDV12F pass
        88.83   0.92    3.681E-008      HNOMAINT, IE_S, LMMDV42F, LMMDV43F pass
        89.71   0.88    3.520E-008      IE_S, LSPSCRNP pass
        90.52   0.81    3.247E-008      AHUMTDGY, AMMDG3AF, AMMDG3BF, APWNR15R,
DACPWRNR, IE_T3, ZHUMTDGY pass
        91.30   0.78    3.119E-008      HNOMAINT, IE_S, LMMDHPAF, LPM001BM pass
        92.08   0.78    3.119E-008      HNOMAINT, IE_S, LMMDHPBF, LPM001AM pass
        92.84   0.76    3.025E-008      HNOMAINT, IE_S, LPM001AM, SMMDHCCB pass
        93.60   0.76    3.025E-008      HNOMAINT, IE_S, LPM001BM, SMMDHCCA pass
        94.27   0.67    2.682E-008      HNOMAINT, IE_S, LPM001AM, SMMRW3BF pass
        94.94   0.67    2.682E-008      HNOMAINT, IE_S, LPM001BM, SMMRW3AF pass
        95.60   0.66    2.630E-008      APWNR20R, DACPWRNR, IE_T3, JCCA224A,
PHUFWP7Y, ZHUFWP7Y pass
        96.18   0.58    2.300E-008      HHUHPRCY, IE_M, ZHUHPRCY pass
        96.75   0.57    2.275E-008      HNOMAINT, IE_S, LMMDV42F, SPMRW3BM pass
        97.32   0.57    2.275E-008      HNOMAINT, IE_S, LMMDV43F, SPMRW3AM pass
        97.86   0.54    2.173E-008      HNOMAINT, IE_S, LMMDHPAF, LMMDV43F pass
        98.40   0.54    2.173E-008      HNOMAINT, IE_S, LMMDHPBF, LMMDV42F pass
        98.94   0.54    2.146E-008      HHUINJAY, HNOMAINT, IE_T8, PHUFWP7Y,
QMMEFP2F, RMMRCVLC, ZHUC023E pass
        99.47   0.53    2.107E-008      HNOMAINT, IE_S, LMMDV42F, SMMDHCCB pass
        100.00  0.53    2.107E-008      HNOMAINT, IE_S, LMMDV43F, SMMDHCCA pass
                        3.989E-006      = Total pass
2007/04/09      Page #  08:33:12 pass
        Model Rev. ----/--/--    pass
 pass

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CR3-MOD699-03 Scenario: Auto Page,Solve Fault Tree Completed at 04/09/07 08:33:12

CR3-MOD699-04 Scenario: Save Fault Tree Cut Sets to End State Started at 04/09/07
```

```
08:33:13
Unmark All Fault Trees
COREDAMAGE Fault Trees Marked
Fault Tree Cut Sets Shown and Saved to ALL-CUTSETS - ALL FAULT TREE CUT SETS - END
STATE
Unmark All End States
ALL-CUTSETS End State Marked
ES_current_only.rpt End State View Current Only Report Started
-------------------------------------------------------------------------------

        EndState Current Uncertainty Values Report by Name       pass
Project : CR3-MOD699                                pass
Analysis: RANDOM                                   Units: Per Hour pass
End State       FREQUENCY Per Hour      Mean     5th     Median  95th    Minimum
Maximum Std Dev Skewness        Kurtosis         Samples Seed pass
ALL-CUTSETS     3.989E-06       0.000E+00        0.000E+00       0.000E+00
0.000E+00       0.000E+00       0.000E+00        0.000E+00       0.000E+00
0.000E+00       -----   ----- pass

         pass
2007/04/09      Page #  08:33:17 pass
        Model Rev. ----/--/--    pass
 pass

-------------------------------------------------------------------------------


End_State_cutsets.rpt End State Cut Set Report Started
-------------------------------------------------------------------------------

        END STATE CUT SETS (QUANTIFICATION) REPORT       pass
Project: CR3-MOD699                                Case : Current pass
Analysis: RANDOM                                   Units: Per Hour pass
End State       % Total Cut Set %       Prob./Freq.     Inputs pass
ALL-CUTSETS     17.79   17.79   7.096E-007      <INIT>, HCCMV44N, IE_R pass
        29.20   11.41   4.550E-007      <INIT>, IE_A, LHULPRCY, ZHULPRCY pass
        38.42   9.22    3.680E-007      <INIT>, HHUHPRCY, IE_S, ZHUHPRCY pass
        44.07   5.65    2.253E-007      <INIT>, HNOMAINT, IE_S, LCC4243N pass
        49.72   5.65    2.253E-007      <INIT>, HNOMAINT, IE_S, LMVRVCCF pass
        53.44   3.72    1.485E-007      <INIT>, IE_R, LMMDHRSF, PMMSRVAC, RSPLTSGA,
WHUBWSTY, ZHUBWSWY pass
        57.16   3.72    1.485E-007      <INIT>, IE_R, LMMDHRSF, PMMSRVBC, RSPLTSGB,
WHUBWSTY, ZHUBWSWY pass
        60.14   2.98    1.189E-007      <INIT>, HCCMV44N, IE_S pass
        62.47   2.33    9.303E-008      <INIT>, HNOMAINT, IE_S, SMMRW3CF pass
        64.42   1.95    7.780E-008      <INIT>, HNOMAINT, IE_S, LMMDV42F, SPMDHCBM
pass
        66.37   1.95    7.780E-008      <INIT>, HNOMAINT, IE_S, LMMDV43F, SPMDHCAM
pass
        68.04   1.67    6.642E-008      <INIT>, ADGMTDGF, APWNR20R, DACPWRNR, IE_T3,
JCCA224A pass
        69.65   1.61    6.407E-008      <INIT>, HNOMAINT, IE_S, SMMDCCCF pass
        71.18   1.53    6.094E-008      <INIT>, HNOMAINT, IE_S, LMMPMCCF pass
        72.50   1.32    5.284E-008      <INIT>, HNOMAINT, IE_S, LMMDV42F, LPM001BM
pass
        73.82   1.32    5.284E-008      <INIT>, HNOMAINT, IE_S, LMMDV43F, LPM001AM
pass
        75.02   1.20    4.785E-008      <INIT>, ADGMTDGF, AMMDG3AF, AMMDG3BF,
APWNR15R, DACPWRNR, IE_T3 pass
        76.17   1.15    4.593E-008      <INIT>, HNOMAINT, IE_S, LMMDHPAF, SPMDHCBM
pass
        77.32   1.15    4.593E-008      <INIT>, HNOMAINT, IE_S, LMMDHPBF, SPMDHCAM
pass
```

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        78.45   1.13    4.508E-008      <INIT>, AHUMTDGY, APWNR20R, DACPWRNR, IE_T3,
JCCA224A, ZHUMTDGY pass
        79.57   1.12    4.453E-008      <INIT>, HNOMAINT, IE_S, SMMDHCCA, SPMDHCBM
pass
        80.69   1.12    4.453E-008      <INIT>, HNOMAINT, IE_S, SMMDHCCB, SPMDHCAM
pass
        81.77   1.08    4.298E-008      <INIT>, IE_R, PHUSGISY, RHUAXSPY, RHUPORVY,
RHURCPSY, RSPLTSGA, ZHUC018E pass
        82.85   1.08    4.298E-008      <INIT>, IE_R, PHUSGISY, RHUAXSPY, RHUPORVY,
RHURCPSY, RSPLTSGB, ZHUC018E pass
        83.93   1.08    4.298E-008      <INIT>, IE_R, RHUAXSPY, RHUPORVY, RHURCPSY,
RSPLTSGA, WHUBWSTY, ZHUC024E pass
        85.01   1.08    4.298E-008      <INIT>, IE_R, RHUAXSPY, RHUPORVY, RHURCPSY,
RSPLTSGB, WHUBWSTY, ZHUC024E pass
        86.00   0.99    3.949E-008      <INIT>, HNOMAINT, IE_S, SMMRW3AF, SPMDHCBM
pass
        86.99   0.99    3.949E-008      <INIT>, HNOMAINT, IE_S, SMMRW3BF, SPMDHCAM
pass
        87.91   0.92    3.681E-008      <INIT>, HNOMAINT, IE_S, LMMDV11F, LMMDV12F
pass
        88.83   0.92    3.681E-008      <INIT>, HNOMAINT, IE_S, LMMDV42F, LMMDV43F
pass
        89.71   0.88    3.520E-008      <INIT>, IE_S, LSPSCRNP pass
        90.52   0.81    3.247E-008      <INIT>, AHUMTDGY, AMMDG3AF, AMMDG3BF,
APWNR15R, DACPWRNR, IE_T3, ZHUMTDGY pass
        91.30   0.78    3.119E-008      <INIT>, HNOMAINT, IE_S, LMMDHPAF, LPM001BM
pass
        92.08   0.78    3.119E-008      <INIT>, HNOMAINT, IE_S, LMMDHPBF, LPM001AM
pass
        92.84   0.76    3.025E-008      <INIT>, HNOMAINT, IE_S, LPM001AM, SMMDHCCB
pass
        93.60   0.76    3.025E-008      <INIT>, HNOMAINT, IE_S, LPM001BM, SMMDHCCA
pass
        94.27   0.67    2.682E-008      <INIT>, HNOMAINT, IE_S, LPM001AM, SMMRW3BF
pass
        94.94   0.67    2.682E-008      <INIT>, HNOMAINT, IE_S, LPM001BM, SMMRW3AF
pass
        95.60   0.66    2.630E-008      <INIT>, APWNR20R, DACPWRNR, IE_T3, JCCA224A,
PHUFWP7Y, ZHUFWP7Y pass
        96.18   0.58    2.300E-008      <INIT>, HHUHPRCY, IE_M, ZHUHPRCY pass
        96.75   0.57    2.275E-008      <INIT>, HNOMAINT, IE_S, LMMDV42F, SPMRW3BM
pass
        97.32   0.57    2.275E-008      <INIT>, HNOMAINT, IE_S, LMMDV43F, SPMRW3AM
pass
        97.86   0.54    2.173E-008      <INIT>, HNOMAINT, IE_S, LMMDHPAF, LMMDV43F
pass
        98.40   0.54    2.173E-008      <INIT>, HNOMAINT, IE_S, LMMDHPBF, LMMDV42F
pass
        98.94   0.54    2.146E-008      <INIT>, HHUINJAY, HNOMAINT, IE_T8, PHUFWP7Y,
QMMEFP2F, RMMRCVLC, ZHUC023E pass
        99.47   0.53    2.107E-008      <INIT>, HNOMAINT, IE_S, LMMDV42F, SMMDHCCB
pass
        100.00  0.53    2.107E-008      <INIT>, HNOMAINT, IE_S, LMMDV43F, SMMDHCCA
pass
                        3.989E-006      = Total pass
2007/04/09      Page #  08:33:17 pass
        Model Rev. ----/--/--    pass
 pass

-----------------------------------------------------------------------------
```

```
08:33:17

Test Completed Successfully
SIMPLE-TEST-01 Scenario: Solve Fault Trees Started at 04/09/07 08:33:18
Unmark All Change Sets
Generate Current Event Data
Unmark All Fault Trees
All Fault Trees Marked
Generate Fault Tree Cut Sets - Truncation = 1.0000E-015
Fault Tree Base Case Updated
ft-results-bc.rpt Fault Tree View Current Vs. Base Report Started
-------------------------------------------------------------------------------

        System  Base Vs. Current Report by Name  pass
Project : SIMPLE-TEST                            pass
Analysis: RANDOM                                 Units: Per Hour pass
Fault Tree      Curr Freq Per Hour      Base Freq Per Hour      Difference
Ratio   Curr Cnt        Base Cnt        Difference pass
AND-GATE        2.500E-01       2.500E-01       0.000E+00       1.000E+00       1
1       0 pass
CCF-ALPHA       2.004E-05       2.004E-05       0.000E+00       1.000E+00       1
1       0 pass
CCF-MGL 1.000E-04       1.000E-04       0.000E+00       1.000E+00       1       1
0 pass
CT-1-FT 1.000E-01       1.000E-01       0.000E+00       1.000E+00       1       1
0 pass
CT-3-FT 1.980E-02       1.980E-02       0.000E+00       1.000E+00       1       1
0 pass
CT-5-FT 1.309E-02       1.309E-02       0.000E+00       1.000E+00       1       1
0 pass
CT-7-FT 9.934E-03       9.934E-03       0.000E+00       1.000E+00       1       1
0 pass
NOFM-GATE       1.000E+00       1.000E+00       0.000E+00       1.000E+00       270
270     0 pass
OR-GATE 7.500E-01       7.500E-01       0.000E+00       1.000E+00       2       2
0 pass
PLUG-IN-FT      3.100E-01       3.100E-01       0.000E+00       1.000E+00       1
1       0 pass
2007/04/09      Page #  08:33:18 pass
        Model Rev. ----/--/--    pass
 pass

-------------------------------------------------------------------------------


SIMPLE-TEST-01 Scenario: Solve Fault Trees Completed at 04/09/07 08:33:18

SIMPLE-TEST-02 Scenario: Fault Tree Uncertainty Started at 04/09/07 08:33:18
Unmark All Fault Trees
All Fault Trees Marked
Fault Tree Uncertainty Analysis LHS
ft_unc_lhs.rpt Fault Tree View Current Only Report Started
-------------------------------------------------------------------------------

        System Current Uncertainty Values Report by Name         pass
Project : SIMPLE-TEST                            pass
Analysis: RANDOM                                 Units: Per Hour pass
Fault Tree      FREQUENCY Per Hour      Mean    5th     Median  95th    Minimum
Maximum Std Dev Skewness        Kurtosis        Samples Seed pass
AND-GATE        2.500E-01       2.500E-01       2.500E-01       2.500E-01
2.500E-01       2.500E-01       2.500E-01       0.000E+00       1.000E+38
1.000E+38       1000    4321 pass
CCF-ALPHA       2.004E-05       2.005E-05       5.358E-06       1.605E-05
```

```
4.820E-05       1.502E-06       1.432E-04       1.497E-05       2.419E+00
1.281E+01       1000    4321 pass
CCF-MGL 1.000E-04       1.002E-04       2.676E-05       8.010E-05       2.389E-04
9.196E-06       1.046E-03       7.756E-05       3.404E+00       2.886E+01       1000
4321 pass
CT-1-FT 1.000E-01       9.997E-02       2.732E-02       8.924E-02       2.097E-01
5.340E-03       3.830E-01       5.758E-02       1.113E+00       4.648E+00       1000
4321 pass
CT-3-FT 1.980E-02       7.045E-03       0.000E+00       0.000E+00       1.976E-07
0.000E+00       9.964E-01       7.072E-02       1.162E+01       1.440E+02       1000
4321 pass
CT-5-FT 1.309E-02       1.290E-02       1.637E-03       8.148E-03       3.985E-02
3.448E-04       1.621E-01       1.515E-02       3.670E+00       2.382E+01       1000
4321 pass
CT-7-FT 9.934E-03       9.993E-03       3.640E-03       9.972E-03       1.640E-02
1.322E-04       2.229E-02       3.856E-03       8.010E-02       2.793E+00       1000
4321 pass
NOFM-GATE       1.000E+00       1.000E+00       1.000E+00       1.000E+00
1.000E+00       1.000E+00       1.000E+00       0.000E+00       1.000E+38
1.000E+38       1000    4321 pass
OR-GATE 7.500E-01       7.500E-01       7.500E-01       7.500E-01       7.500E-01
7.500E-01       7.500E-01       0.000E+00       1.000E+38       1.000E+38       1000
4321 pass
PLUG-IN-FT      3.100E-01       3.126E-01       1.519E-01       2.875E-01
5.641E-01       8.811E-02       1.000E+00       1.313E-01       1.266E+00
5.434E+00       1000    4321 pass
2007/04/09      Page #  08:33:19 pass
        Model Rev. ----/--/--    pass
 pass
--------------------------------------------------------------------------------

SIMPLE-TEST-02 Scenario: Fault Tree Uncertainty Completed at 04/09/07 08:33:19

SIMPLE-TEST-03 Scenario: Fault Tree Change Set Test #1 Started at 04/09/07 08:33:19
Unmark All Change Sets
Change Set BE-CHANGE1 Deleted
Change Set BE-CHANGE1 Added
BE-CHANGE1 Change Set Marked
Generate Current Event Data
Unmark All Fault Trees
All Fault Trees Marked
Generate Fault Tree Cut Sets - Truncation = 1.0000E-015
ft-results-cs1.rpt Fault Tree View Current Vs. Base Report Started
--------------------------------------------------------------------------------

        System  Base Vs. Current Report by Name  pass
Project : SIMPLE-TEST                            pass
Analysis: RANDOM                                 Units: Per Hour pass
Fault Tree      Curr Freq Per Hour      Base Freq Per Hour      Difference
Ratio   Curr Cnt        Base Cnt        Difference pass
AND-GATE        5.000E-01       2.500E-01       2.500E-01       2.000E+00       1
1       0 pass
CCF-ALPHA       2.004E-02       2.004E-05       2.002E-02       1.000E+03       1
1       0 pass
CCF-MGL 1.000E-01       1.000E-04       9.990E-02       1.000E+03       1       1
0 pass
CT-1-FT 5.000E-02       1.000E-01       -5.000E-02      5.000E-01       1       1
0 pass
CT-3-FT 3.921E-02       1.980E-02       1.941E-02       1.980E+00       1       1
0 pass
CT-5-FT 3.291E-03       1.309E-02       -9.799E-03      2.514E-01       1       1
```

```
0 pass
CT-7-FT 1.779E-02       9.934E-03       7.856E-03       1.791E+00       1       1
0 pass
NOFM-GATE       1.000E+00       1.000E+00       0.000E+00       1.000E+00       216
270     -54 pass
OR-GATE 1.000E+00       7.500E-01       2.500E-01       1.333E+00       1       2
-1 pass
PLUG-IN-FT      1.000E+00       3.100E-01       6.900E-01       3.226E+00       1
1       0 pass
2007/04/09      Page #  08:33:19 pass
        Model Rev. ----/--/--    pass
 pass

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SIMPLE-TEST-03 Scenario: Fault Tree Change Set Test #1 Completed at 04/09/07
08:33:19

SIMPLE-TEST-04 Scenario: Fault Tree Uncertainty w/ Change Set Started at 04/09/07
08:33:19
Unmark All Fault Trees
PLUG-IN-FT Fault Tree Marked
CT-1-FT Fault Tree Marked
CT-3-FT Fault Tree Marked
CT-5-FT Fault Tree Marked
CT-7-FT Fault Tree Marked
Fault Tree Uncertainty Analysis LHS
ft_unc_lhs-cs1.rpt Fault Tree View Current Only Report Started
--------------------------------------------------------------------------------

        System Current Uncertainty Values Report by Name        pass
Project : SIMPLE-TEST                           pass
Analysis: RANDOM                                Units: Per Hour pass
Fault Tree      FREQUENCY Per Hour      Mean    5th     Median  95th    Minimum
Maximum Std Dev Skewness        Kurtosis        Samples Seed pass
CT-1-FT 5.000E-02       4.999E-02       1.366E-02       4.462E-02       1.049E-01
2.670E-03       1.915E-01       2.879E-02       1.113E+00       4.648E+00       1000
4321 pass
CT-3-FT 3.921E-02       1.388E-02       0.000E+00       0.000E+00       1.053E-03
0.000E+00       9.991E-01       9.895E-02       8.253E+00       7.336E+01       1000
4321 pass
CT-5-FT 3.291E-03       3.269E-03       4.096E-04       2.044E-03       1.014E-02
8.621E-05       4.364E-02       3.927E-03       3.872E+00       2.638E+01       1000
4321 pass
CT-7-FT 1.779E-02       1.778E-02       1.135E-02       1.779E-02       2.418E-02
5.048E-03       3.001E-02       3.903E-03       -1.925E-02      2.958E+00       1000
4321 pass
PLUG-IN-FT      1.000E+00       1.000E+00       1.000E+00       1.000E+00
1.000E+00       1.000E+00       1.000E+00       0.000E+00       1.000E+38
1.000E+38       1000    4321 pass
2007/04/09      Page #  08:33:20 pass
        Model Rev. ----/--/--    pass
 pass

--------------------------------------------------------------------------------


SIMPLE-TEST-04 Scenario: Fault Tree Uncertainty w/ Change Set Completed at 04/09/07
08:33:20

SIMPLE-TEST-05 Scenario: Fault Tree Change Set Test #2 Started at 04/09/07 08:33:20
Unmark All Change Sets
```

```
Change Set BE-CHANGE2 Deleted
Change Set BE-CHANGE2 Added
BE-CHANGE2 Change Set Marked
Generate Current Event Data
Unmark All Fault Trees
All Fault Trees Marked
Generate Fault Tree Cut Sets - Truncation = 1.0000E-015
ft-results-cs2.rpt Fault Tree View Current Vs. Base Report Started
-------------------------------------------------------------------------------

        System  Base Vs. Current Report by Name  pass
Project : SIMPLE-TEST                            pass
Analysis: RANDOM                                Units: Per Hour pass
Fault Tree      Curr Freq Per Hour      Base Freq Per Hour      Difference
Ratio   Curr Cnt        Base Cnt        Difference pass
AND-GATE        0.000E+00       2.500E-01       -2.500E-01      0.000E+00       1
1       0 pass
CCF-ALPHA       2.000E-05       2.004E-05       -4.000E-08      9.980E-01       1
1       0 pass
CCF-MGL 1.000E-04       1.000E-04       0.000E+00       1.000E+00       1       1
0 pass
CT-1-FT 5.000E-01       1.000E-01       4.000E-01       5.000E+00       1       1
0 pass
CT-3-FT 4.687E-02       1.980E-02       2.707E-02       2.367E+00       1       1
0 pass
CT-5-FT 2.487E-02       1.309E-02       1.178E-02       1.900E+00       1       1
0 pass
CT-7-FT 9.934E-03       9.934E-03       0.000E+00       1.000E+00       1       1
0 pass
NOFM-GATE       1.000E+00       1.000E+00       0.000E+00       1.000E+00       162
270     -108 pass
OR-GATE 5.000E-01       7.500E-01       -2.500E-01      6.667E-01       1       2
-1 pass
PLUG-IN-FT      2.100E-01       3.100E-01       -1.000E-01      6.774E-01       1
1       0 pass
2007/04/09      Page #  08:33:20 pass
        Model Rev. ----/--/--    pass
 pass

-------------------------------------------------------------------------------


SIMPLE-TEST-05 Scenario: Fault Tree Change Set Test #2 Completed at 04/09/07
08:33:20

SIMPLE-TEST-06 Scenario: Fault Tree Change Set Test #3 Started at 04/09/07 08:33:20
Unmark All Change Sets
Change Set BE-CHANGE3 Deleted
Change Set BE-CHANGE3 Added
BE-CHANGE3 Change Set Marked
Generate Current Event Data
Unmark All Fault Trees
All Fault Trees Marked
Generate Fault Tree Cut Sets - Truncation = 1.0000E-015
ft-results-cs3.rpt Fault Tree View Current Vs. Base Report Started
-------------------------------------------------------------------------------

        System  Base Vs. Current Report by Name  pass
Project : SIMPLE-TEST                            pass
Analysis: RANDOM                                Units: Per Hour pass
Fault Tree      Curr Freq Per Hour      Base Freq Per Hour      Difference
Ratio   Curr Cnt        Base Cnt        Difference pass
AND-GATE        5.000E-01       2.500E-01       2.500E-01       2.000E+00       1
```

```
1       0 pass
CCF-ALPHA       4.017E-05       2.004E-05       2.013E-05       2.005E+00       1
1       0 pass
CCF-MGL 2.000E-04       1.000E-04       1.000E-04       2.000E+00       1       1
0 pass
CT-1-FT 5.000E-03       1.000E-01       -9.500E-02      5.000E-02       1       1
0 pass
CT-3-FT 1.980E-02       1.980E-02       0.000E+00       1.000E+00       1       1
0 pass
CT-5-FT 1.005E-02       1.309E-02       -3.040E-03      7.678E-01       1       1
0 pass
CT-7-FT 2.459E-02       9.934E-03       1.466E-02       2.475E+00       1       1
0 pass
NOFM-GATE       1.000E+00       1.000E+00       0.000E+00       1.000E+00       216
270     -54 pass
OR-GATE 5.000E-01       7.500E-01       -2.500E-01      6.667E-01       1       2
-1 pass
PLUG-IN-FT      2.100E-01       3.100E-01       -1.000E-01      6.774E-01       1
1       0 pass
2007/04/09      Page #  08:33:20 pass
        Model Rev. ----/--/--    pass
 pass

--------------------------------------------------------------------------------


SIMPLE-TEST-06 Scenario: Fault Tree Change Set Test #3 Completed at 04/09/07
08:33:20

SIMPLE-TEST-07 Scenario: Event Tree Linking Test Started at 04/09/07 08:33:20
Unmark All Change Sets
Generate Current Event Data
Unmark All Event Trees
All Event Trees Marked
Event Tree Linking Began
--------------------------------------------------------------------------------

        PROJECT STATISTICS REPORT        pass
Project: SIMPLE-TEST                             pass
                pass
Data Type       Number of Records pass
FAULT TREE (TOPS)       10 pass
FAULT TREES (ALL)       36 pass
EVENT TREES (TOPS)      1 pass
EVENT TREES (ALL)       9 pass
BASIC EVENTS    80 pass
GATES   41 pass
SEQUENCES       19683 pass
END STATES      1 pass
CHANGE SETS     3 pass
P & ID DRAWINGS 0 pass
HISTOGRAMS      0 pass
EVENT TYPES     0 pass
FAIL MODES      0 pass
LOCATIONS       0 pass
SYSTEMS 0 pass
TRAINS  0 pass
2007/04/09      Page #  08:34:00 pass
        Model Rev. ----/--/--    pass
 pass

--------------------------------------------------------------------------------
```

```
SIMPLE-TEST-07 Scenario: Event Tree Linking Test Completed at 04/09/07 08:34:00

Test Completed Successfully
SEISMICDEMO-01 Scenario: Solve Fault Trees Started at 04/09/07 08:34:02
Unmark All Change Sets
Generate Current Event Data
Unmark All Fault Trees
All Fault Trees Marked
Generate Fault Tree Cut Sets - Truncation = 1.0000E-015
ft_seismic_out.rpt Fault Tree View Current Vs. Base Report Started
--------------------------------------------------------------------------------

        System  Base Vs. Current Report by Name  pass
Project : SEISMICDEMO                            pass
Analysis: SEISMIC                               Units: Per Hour pass
Fault Tree      Curr Freq Per Hour      Base Freq Per Hour      Difference
Ratio   Curr Cnt        Base Cnt        Difference pass
CCS     2.555E-01       0.000E+00       2.555E-01       0.000E+00       15      0
15 pass
ECCS    2.555E-01       0.000E+00       2.555E-01       0.000E+00       15      0
15 pass
LOCA    1.000E-05       0.000E+00       1.000E-05       0.000E+00       1       0
1 pass
LOOP    5.000E-02       0.000E+00       5.000E-02       0.000E+00       1       0
1 pass
S-BLD   2.518E-01       0.000E+00       2.518E-01       0.000E+00       1       0
1 pass
S-LOCA  2.518E-01       0.000E+00       2.518E-01       0.000E+00       1       0
1 pass
S-LOOP  1.874E-05       0.000E+00       1.874E-05       0.000E+00       1       0
1 pass
S-TRIP  2.518E-01       0.000E+00       2.518E-01       0.000E+00       1       0
1 pass
2007/04/09      Page #  08:34:04 pass
        Model Rev.      /- /--    pass
 pass

--------------------------------------------------------------------------------


SEISMICDEMO-01 Scenario: Solve Fault Trees Completed at 04/09/07 08:34:04

SEISMICDEMO-02 Scenario: Core Damage Frequency Test Started at 04/09/07 08:34:04
Unmark All Change Sets
Generate Current Event Data
Unmark All Event Trees
All Event Trees Marked
Event Tree Linking Began
Unmark All Sequences
Including Masked Sequences
Generate Sequence Cut Sets - Truncation = 1.0000E-010
sq_seismic_out.rpt Sequence View Current Vs. Base Report Started
--------------------------------------------------------------------------------

        Sequence  Base Vs. Current Report by Name        pass
Project : SEISMICDEMO                            pass
Analysis: SEISMIC                               Units: Per Hour pass
Event tree      Sequence        Curr Freq Per Hour      Base Freq Per Hour
Difference      Ratio   Curr Cnt        Base Cnt        Difference      End State
pass
SEISMIC 2-2     7.002E-04       0.000E+00       7.002E-04       0.000E+00       11
0       11      SMALL-RELEASE pass
```

```
SEISMIC 2-3     3.550E-02       0.000E+00       3.550E-02       0.000E+00       19
0       19      LARGE-RELEASE pass
SEISMIC 3-2     5.209E-08       0.000E+00       5.209E-08       0.000E+00       6
0       6       SMALL-RELEASE pass
SEISMIC 3-3     2.642E-06       0.000E+00       2.642E-06       0.000E+00       6
0       6       LARGE-RELEASE pass
SEISMIC 4       1.884E-01       0.000E+00       1.884E-01       0.000E+00       1
0       1       LARGE-RELEASE pass
SEISMIC 5       2.518E-01       0.000E+00       2.518E-01       0.000E+00       1
0       1       LARGE-RELEASE pass
        TOTALS =        4.764E-01       0.000E+00       4.764E-01       0.000E+00
44      0       44       pass
2007/04/09      Page #  08:34:04 pass
        Model Rev.     /- /--    pass
 pass

--------------------------------------------------------------------------------


sq_seismic_cs.rpt Sequence Cut Set Report Started
--------------------------------------------------------------------------------

        SEQUENCE CUT SETS (QUANTIFICATION) REPORT        pass
Project: SEISMICDEMO                            Case : Current pass
Analysis: SEISMIC                               Units: Per Hour pass
Event Tree      Sequence        % Total Cut Set %       Prob./Freq.     Inputs pass
SEISMIC 2-2     78.26   78.26   5.479E-004      /S-BLD, S-DG-A, /S-LOCA, /S-LOOP,
S-TRIP pass
                98.39   20.13   1.410E-004      E-MOV-1, /S-BLD, /S-LOCA, /S-LOOP,
S-TRIP pass
                98.89   0.50    3.524E-006      E-MOV-A, E-MOV-B, /S-BLD, /S-LOCA,
/S-LOOP, S-TRIP pass
                99.28   0.39    2.740E-006      E-MOV-A, /S-BLD, S-E-PUMP-B,
/S-LOCA, /S-LOOP, S-TRIP pass
                99.67   0.39    2.740E-006      E-MOV-B, /S-BLD, S-E-PUMP-A,
/S-LOCA, /S-LOOP, S-TRIP pass
                99.97   0.30    2.130E-006      /S-BLD, S-E-PUMP-A, S-E-PUMP-B,
/S-LOCA, /S-LOOP, S-TRIP pass
                99.98   0.01    7.048E-008      E-CV-A, E-MOV-B, /S-BLD, /S-LOCA,
/S-LOOP, S-TRIP pass
                99.99   0.01    7.048E-008      E-CV-B, E-MOV-A, /S-BLD, /S-LOCA,
/S-LOOP, S-TRIP pass
                100.00  0.01    5.479E-008      E-CV-A, /S-BLD, S-E-PUMP-B, /S-LOCA,
/S-LOOP, S-TRIP pass
                100.00  0.01    5.479E-008      E-CV-B, /S-BLD, S-E-PUMP-A, /S-LOCA,
/S-LOOP, S-TRIP pass
                100.00  0.00    1.410E-009      E-CV-A, E-CV-B, /S-BLD, /S-LOCA,
/S-LOOP, S-TRIP pass
                                7.002E-004      = Total pass
        2-3     99.96   99.96   3.549E-002      /S-BLD, /S-LOCA, /S-LOOP, S-TANK,
S-TRIP pass
                99.97   0.01    2.740E-006      C-MOV-B, /S-BLD, S-DG-A, /S-LOCA,
/S-LOOP, S-TRIP pass
                99.98   0.01    2.740E-006      E-MOV-A, /S-BLD, S-DG-B, /S-LOCA,
/S-LOOP, S-TRIP pass
                99.99   0.01    2.130E-006      /S-BLD, S-C-PUMP-B, S-DG-A, /S-LOCA,
/S-LOOP, S-TRIP pass
                100.00  0.01    2.130E-006      /S-BLD, S-DG-A, S-DG-B, /S-LOCA,
/S-LOOP, S-TRIP pass
                100.00  0.01    2.130E-006      /S-BLD, S-DG-B, S-E-PUMP-A, /S-LOCA,
/S-LOOP, S-TRIP pass
                100.00  0.00    5.479E-007      C-MOV-1, /S-BLD, S-DG-A, /S-LOCA,
/S-LOOP, S-TRIP pass
```

```
                100.00  0.00    5.479E-007      E-MOV-1, /S-BLD, S-DG-B, /S-LOCA,
/S-LOOP, S-TRIP pass
                100.00  0.00    1.410E-007      C-MOV-1, E-MOV-1, /S-BLD, /S-LOCA,
/S-LOOP, S-TRIP pass
                100.00  0.00    5.479E-008      C-CV-B, /S-BLD, S-DG-A, /S-LOCA,
/S-LOOP, S-TRIP pass
                100.00  0.00    5.479E-008      E-CV-A, /S-BLD, S-DG-B, /S-LOCA,
/S-LOOP, S-TRIP pass
                100.00  0.00    3.524E-009      C-MOV-1, E-MOV-A, E-MOV-B, /S-BLD,
/S-LOCA, /S-LOOP, S-TRIP pass
                100.00  0.00    3.524E-009      C-MOV-A, C-MOV-B, E-MOV-1, /S-BLD,
/S-LOCA, /S-LOOP, S-TRIP pass
                100.00  0.00    2.740E-009      C-MOV-1, E-MOV-A, /S-BLD,
S-E-PUMP-B, /S-LOCA, /S-LOOP, S-TRIP pass
                100.00  0.00    2.740E-009      C-MOV-1, E-MOV-B, /S-BLD,
S-E-PUMP-A, /S-LOCA, /S-LOOP, S-TRIP pass
                100.00  0.00    2.740E-009      C-MOV-A, E-MOV-1, /S-BLD,
S-C-PUMP-B, /S-LOCA, /S-LOOP, S-TRIP pass
                100.00  0.00    2.740E-009      C-MOV-B, E-MOV-1, /S-BLD,
S-C-PUMP-A, /S-LOCA, /S-LOOP, S-TRIP pass
                100.00  0.00    2.130E-009      C-MOV-1, /S-BLD, S-E-PUMP-A,
S-E-PUMP-B, /S-LOCA, /S-LOOP, S-TRIP pass
                100.00  0.00    2.130E-009      E-MOV-1, /S-BLD, S-C-PUMP-A,
S-C-PUMP-B, /S-LOCA, /S-LOOP, S-TRIP pass
                                3.550E-002      = Total pass
        3-2     78.27   78.27   4.078E-008      /S-BLD, S-DG-A, /S-LOCA, S-LOOP pass
                98.41   20.14   1.049E-008      E-MOV-1, /S-BLD, /S-LOCA, S-LOOP
pass
                98.91   0.50    2.622E-010      E-MOV-A, E-MOV-B, /S-BLD, /S-LOCA,
S-LOOP pass
                99.30   0.39    2.039E-010      E-MOV-A, /S-BLD, S-E-PUMP-B,
/S-LOCA, S-LOOP pass
                99.69   0.39    2.039E-010      E-MOV-B, /S-BLD, S-E-PUMP-A,
/S-LOCA, S-LOOP pass
                99.99   0.30    1.585E-010      /S-BLD, S-E-PUMP-A, S-E-PUMP-B,
/S-LOCA, S-LOOP pass
                                5.209E-008      = Total pass
        3-3     99.97   99.97   2.641E-006      /S-BLD, /S-LOCA, S-LOOP, S-TANK pass
                99.98   0.01    2.039E-010      C-MOV-B, /S-BLD, S-DG-A, /S-LOCA,
S-LOOP pass
                99.99   0.01    2.039E-010      E-MOV-A, /S-BLD, S-DG-B, /S-LOCA,
S-LOOP pass
                100.00  0.01    1.585E-010      /S-BLD, S-C-PUMP-B, S-DG-A, /S-LOCA,
S-LOOP pass
                100.00  0.01    1.585E-010      /S-BLD, S-DG-A, S-DG-B, /S-LOCA,
S-LOOP pass
                100.00  0.01    1.585E-010      /S-BLD, S-DG-B, S-E-PUMP-A, /S-LOCA,
S-LOOP pass
                                2.642E-006      = Total pass
        4       100.00  100.00  1.884E-001      /S-BLD, S-LOCA pass
                                1.884E-001      = Total pass
        5       100.00  100.00  2.518E-001      S-BLD pass
                                2.518E-001      = Total pass
2007/04/09      Page #  08:34:04 pass
        Model Rev.      /- /--    pass
 pass

-----------------------------------------------------------------------------

SEISMICDEMO-02 Scenario: Core Damage Frequency Test Completed at 04/09/07 08:34:04

Test Completed Successfully
```

```
YMP-SEIS-TEST-01 Scenario: Solve Seismic Sequences Started at 04/09/07 08:34:05
Load Histograms - hid from <- ymp-seis-test.hid
Load Histograms - hii from <- ymp-seis-test.hii
Unmark All Change Sets
Generate Current Event Data
Unmark All Event Trees
All Event Trees Marked
Event Tree Linking Began
Unmark All Sequences
Including Masked Sequences
Generate Sequence Cut Sets - Truncation = 1.0000E-010
sq_seismic_out.rpt Sequence View Current Vs. Base Report Started
-------------------------------------------------------------------------------

        Sequence  Base Vs. Current Report by Name        pass
Project : YMP-SEIS-TEST                          pass
Analysis: SEISMIC                                Units: Not Specified pass
Event tree      Sequence        Curr Freq Not Specified Base Freq Not Specified
Difference      Ratio   Curr Cnt        Base Cnt        Difference      End State
pass
NRC-ISG-ET      4       9.547E-01       0.000E+00       9.547E-01       0.000E+00
1       0       1       RELEASE-1 pass
NRC-ISG-ET      5       9.490E-01       0.000E+00       9.490E-01       0.000E+00
1       0       1       RELEASE-2 pass
NRC-ISG-TEST    2       9.771E-01       0.000E+00       9.771E-01       0.000E+00
1       0       1       TEST pass
NRC-ISG-TEST    3       9.713E-01       0.000E+00       9.713E-01       0.000E+00
1       0       1       TEST pass
NRC-ISG-TEST    4       9.784E-01       0.000E+00       9.784E-01       0.000E+00
1       0       1       TEST pass
NRC-ISG-TEST    5       9.771E-01       0.000E+00       9.771E-01       0.000E+00
1       0       1       TEST pass
        TOTALS =        5.808E+00       0.000E+00       5.808E+00       0.000E+00
6       0       6        pass
2007/04/09      Page #  08:34:08 pass
        Model Rev. ----/--/--    pass
 pass

-------------------------------------------------------------------------------


sq_seismic_cs.rpt Sequence Cut Set Report Started
-------------------------------------------------------------------------------

        SEQUENCE CUT SETS (QUANTIFICATION) REPORT        pass
Project: YMP-SEIS-TEST                           Case : Current pass
Analysis: SEISMIC                                Units: Not Specified pass
Event Tree      Sequence        % Total Cut Set %       Prob./Freq.     Inputs pass
NRC-ISG-ET      4       100.00  100.00  9.547E-001      CANIS-BRCH, CRN-COMP,
HVAC-ACH pass
                                9.547E-001      = Total pass
        5       100.00  100.00  9.490E-001      CANIS-BRCH, CRN-COMP, STR-SHWL pass
                                9.490E-001      = Total pass
NRC-ISG-TEST    2       100.00  100.00  9.771E-001      HVAC-ACH pass
                                9.771E-001      = Total pass
        3       100.00  100.00  9.713E-001      STR-SHWL pass
                                9.713E-001      = Total pass
        4       100.00  100.00  9.784E-001      CAN-BREACH pass
                                9.784E-001      = Total pass
        5       100.00  100.00  9.771E-001      CRN-COMP pass
                                9.771E-001      = Total pass
2007/04/09      Page #  08:34:08 pass
        Model Rev. ----/--/--    pass
```

```
 pass

--------------------------------------------------------------------------


Sequence Uncertainty Analysis MCS
Sequence Uncertainty Analysis MCS
--------------------------------------------------------------------------

        SEQUENCE UNCERTAINTY VALUES REPORT       pass
Project: YMP-SEIS-TEST                          Case : Current pass
Analysis: SEISMIC                               Units: Not Specified pass
Event Tree      Sequence        Mean    Min. Cut Upper Bound    Median  Std. Dev.
5th %   95th %  Minimum Maximum Seed    Size pass
NRC-ISG-ET      4       9.844E-007      9.844E-007      9.844E-007      4.573E-015
9.844E-007      9.844E-007      9.844E-007      9.844E-007      4321    100 pass
NRC-ISG-ET      5       4.577E-007      4.577E-007      4.577E-007      +0.000E+000
4.577E-007      4.577E-007      4.577E-007      4.577E-007      4321    100 pass
NRC-ISG-TEST    2       8.322E-006      8.322E-006      8.322E-006      +0.000E+000
8.322E-006      8.322E-006      8.322E-006      8.322E-006      4321    100 pass
NRC-ISG-TEST    3       1.453E-006      1.453E-006      1.453E-006      +0.000E+000
1.453E-006      1.453E-006      1.453E-006      1.453E-006      4321    100 pass
NRC-ISG-TEST    4       1.784E-006      1.784E-006      1.784E-006      +0.000E+000
1.784E-006      1.784E-006      1.784E-006      1.784E-006      4321    100 pass
NRC-ISG-TEST    5       3.936E-006      3.936E-006      3.936E-006      1.829E-014
3.936E-006      3.936E-006      3.936E-006      3.936E-006      4321    100 pass
NRC-ISG-TEST    5       3.936E-006      3.936E-006      3.936E-006      1.829E-014
3.936E-006      3.936E-006      3.936E-006      3.936E-006      4321    100 pass
2007/04/09      Page #  08:34:13 pass
        Model Rev. ----/--/--    pass
 pass

--------------------------------------------------------------------------


--------------------------------------------------------------------------

        SEQUENCE UNCERTAINTY VALUES REPORT       pass
Project: YMP-SEIS-TEST                          Case : Current pass
Analysis: SEISMIC                               Units: Not Specified pass
Event Tree      Sequence        Mean    Min. Cut Upper Bound    Median  Std. Dev.
5th %   95th %  Minimum Maximum Seed    Size pass
NRC-ISG-ET      4       +0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000
+0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000     4321    100 pass
NRC-ISG-ET      5       +0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000
+0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000     4321    100 pass
NRC-ISG-TEST    2       2.373E-015      2.373E-015      2.373E-015      1.702E-023
2.373E-015      2.373E-015      2.373E-015      2.373E-015      4321    100 pass
NRC-ISG-TEST    3       +0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000
+0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000     4321    100 pass
NRC-ISG-TEST    4       +0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000
+0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000     4321    100 pass
NRC-ISG-TEST    5       +0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000
+0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000     4321    100 pass
NRC-ISG-TEST    5       +0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000
+0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000     4321    100 pass
2007/04/09      Page #  08:34:13 pass
        Model Rev. ----/--/--    pass
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        SEQUENCE UNCERTAINTY VALUES REPORT       pass
Project: YMP-SEIS-TEST                          Case : Current pass
Analysis: SEISMIC                               Units: Not Specified pass
Event Tree      Sequence        Mean    Min. Cut Upper Bound    Median  Std. Dev.
5th %   95th %  Minimum Maximum Seed    Size pass
NRC-ISG-ET      4       +0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000
+0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000     4321    100 pass
NRC-ISG-ET      5       +0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000
+0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000     4321    100 pass
NRC-ISG-TEST    2       1.776E-013      1.776E-013      1.776E-013      1.089E-021
1.776E-013      1.776E-013      1.776E-013      1.776E-013      4321    100 pass
NRC-ISG-TEST    3       +0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000
+0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000     4321    100 pass
NRC-ISG-TEST    4       +0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000
+0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000     4321    100 pass
NRC-ISG-TEST    5       7.991E-017      7.991E-017      7.991E-017      +0.000E+000
7.991E-017      7.991E-017      7.991E-017      7.991E-017      4321    100 pass
NRC-ISG-TEST    5       7.991E-017      7.991E-017      7.991E-017      +0.000E+000
7.991E-017      7.991E-017      7.991E-017      7.991E-017      4321    100 pass
2007/04/09      Page #  08:34:13 pass
        Model Rev. ----/--/--    pass
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        SEQUENCE UNCERTAINTY VALUES REPORT       pass
Project: YMP-SEIS-TEST                          Case : Current pass
Analysis: SEISMIC                               Units: Not Specified pass
Event Tree      Sequence        Mean    Min. Cut Upper Bound    Median  Std. Dev.
5th %   95th %  Minimum Maximum Seed    Size pass
NRC-ISG-ET      4       +0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000
+0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000     4321    100 pass
NRC-ISG-ET      5       +0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000
+0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000     4321    100 pass
NRC-ISG-TEST    2       5.680E-012      5.680E-012      5.680E-012      +0.000E+000
5.680E-012      5.680E-012      5.680E-012      5.680E-012      4321    100 pass
NRC-ISG-TEST    3       3.553E-019      3.553E-019      3.553E-019      +0.000E+000
3.553E-019      3.553E-019      3.553E-019      3.553E-019      4321    100 pass
NRC-ISG-TEST    4       7.105E-019      7.105E-019      7.105E-019      +0.000E+000
7.105E-019      7.105E-019      7.105E-019      7.105E-019      4321    100 pass
NRC-ISG-TEST    5       8.796E-015      8.796E-015      8.796E-015      6.809E-023
8.796E-015      8.796E-015      8.796E-015      8.796E-015      4321    100 pass
NRC-ISG-TEST    5       8.796E-015      8.796E-015      8.796E-015      6.809E-023
8.796E-015      8.796E-015      8.796E-015      8.796E-015      4321    100 pass
2007/04/09      Page #  08:34:13 pass
        Model Rev. ----/--/--    pass
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        SEQUENCE UNCERTAINTY VALUES REPORT       pass
Project: YMP-SEIS-TEST                          Case : Current pass
Analysis: SEISMIC                               Units: Not Specified pass
Event Tree      Sequence        Mean    Min. Cut Upper Bound    Median  Std. Dev.
5th %   95th %  Minimum Maximum Seed    Size pass
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NRC-ISG-ET      4       +0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000
+0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000     4321    100 pass
NRC-ISG-ET      5       +0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000
+0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000     4321    100 pass
NRC-ISG-TEST    2       6.372E-011      6.372E-011      6.372E-011      5.580E-019
6.372E-011      6.372E-011      6.372E-011      6.372E-011      4321    100 pass
NRC-ISG-TEST    3       2.531E-017      2.531E-017      2.531E-017      1.331E-025
2.531E-017      2.531E-017      2.531E-017      2.531E-017      4321    100 pass
NRC-ISG-TEST    4       6.417E-017      6.417E-017      6.417E-017      +0.000E+000
6.417E-017      6.417E-017      6.417E-017      6.417E-017      4321    100 pass
NRC-ISG-TEST    5       2.385E-013      2.385E-013      2.385E-013      1.090E-021
2.385E-013      2.385E-013      2.385E-013      2.385E-013      4321    100 pass
NRC-ISG-TEST    5       2.385E-013      2.385E-013      2.385E-013      1.090E-021
2.385E-013      2.385E-013      2.385E-013      2.385E-013      4321    100 pass
2007/04/09      Page #  08:34:13 pass
        Model Rev. ----/--/--    pass
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        SEQUENCE UNCERTAINTY VALUES REPORT       pass
Project: YMP-SEIS-TEST                          Case : Current pass
Analysis: SEISMIC                               Units: Not Specified pass
Event Tree      Sequence        Mean    Min. Cut Upper Bound    Median  Std. Dev.
5th %   95th %  Minimum Maximum Seed    Size pass
NRC-ISG-ET      4       8.327E-019      8.327E-019      8.327E-019      +0.000E+000
8.327E-019      8.327E-019      8.327E-019      8.327E-019      4321    100 pass
NRC-ISG-ET      5       +0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000
+0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000     4321    100 pass
NRC-ISG-TEST    2       4.236E-010      4.236E-010      4.236E-010      +0.000E+000
4.236E-010      4.236E-010      4.236E-010      4.236E-010      4321    100 pass
NRC-ISG-TEST    3       9.374E-016      9.374E-016      9.374E-016      +0.000E+000
9.374E-016      9.374E-016      9.374E-016      9.374E-016      4321    100 pass
NRC-ISG-TEST    4       2.243E-015      2.243E-015      2.243E-015      1.702E-023
2.243E-015      2.243E-015      2.243E-015      2.243E-015      4321    100 pass
NRC-ISG-TEST    5       3.106E-012      3.106E-012      3.106E-012      +0.000E+000
3.106E-012      3.106E-012      3.106E-012      3.106E-012      4321    100 pass
NRC-ISG-TEST    5       3.106E-012      3.106E-012      3.106E-012      +0.000E+000
3.106E-012      3.106E-012      3.106E-012      3.106E-012      4321    100 pass
2007/04/09      Page #  08:34:13 pass
        Model Rev. ----/--/--    pass
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        SEQUENCE UNCERTAINTY VALUES REPORT       pass
Project: YMP-SEIS-TEST                          Case : Current pass
Analysis: SEISMIC                               Units: Not Specified pass
Event Tree      Sequence        Mean    Min. Cut Upper Bound    Median  Std. Dev.
5th %   95th %  Minimum Maximum Seed    Size pass
NRC-ISG-ET      4       3.120E-017      3.120E-017      3.120E-017      +0.000E+000
3.120E-017      3.120E-017      3.120E-017      3.120E-017      4321    100 pass
NRC-ISG-ET      5       +0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000
+0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000     4321    100 pass
NRC-ISG-TEST    2       1.579E-009      1.579E-009      1.579E-009      +0.000E+000
1.579E-009      1.579E-009      1.579E-009      1.579E-009      4321    100 pass
NRC-ISG-TEST    3       1.376E-014      1.376E-014      1.376E-014      +0.000E+000
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1.376E-014      1.376E-014      1.376E-014      1.376E-014      4321    100 pass
NRC-ISG-TEST    4       3.124E-014      3.124E-014      3.124E-014      1.363E-022
3.124E-014      3.124E-014      3.124E-014      3.124E-014      4321    100 pass
NRC-ISG-TEST    5       1.975E-011      1.975E-011      1.975E-011      1.394E-019
1.975E-011      1.975E-011      1.975E-011      1.975E-011      4321    100 pass
NRC-ISG-TEST    5       1.975E-011      1.975E-011      1.975E-011      1.394E-019
1.975E-011      1.975E-011      1.975E-011      1.975E-011      4321    100 pass
2007/04/09      Page #  08:34:13 pass
        Model Rev. ----/--/--    pass
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        SEQUENCE UNCERTAINTY VALUES REPORT       pass
Project: YMP-SEIS-TEST                          Case : Current pass
Analysis: SEISMIC                               Units: Not Specified pass
Event Tree      Sequence        Mean    Min. Cut Upper Bound    Median  Std. Dev.
5th %   95th %  Minimum Maximum Seed    Size pass
NRC-ISG-ET      4       6.345E-016      6.345E-016      6.345E-016      +0.000E+000
6.345E-016      6.345E-016      6.345E-016      6.345E-016      4321    100 pass
NRC-ISG-ET      5       +0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000
+0.000E+000     +0.000E+000     +0.000E+000     +0.000E+000     4321    100 pass
NRC-ISG-TEST    2       5.118E-009      5.118E-009      5.118E-009      3.570E-017
5.118E-009      5.118E-009      5.118E-009      5.118E-009      4321    100 pass
NRC-ISG-TEST    3       1.374E-013      1.374E-013      1.374E-013      +0.000E+000
1.374E-013      1.374E-013      1.374E-013      1.374E-013      4321    100 pass
NRC-ISG-TEST    4       2.981E-013      2.981E-013      2.981E-013      +0.000E+000
2.981E-013      2.981E-013      2.981E-013      2.981E-013      4321    100 pass
NRC-ISG-TEST    5       9.919E-011      9.919E-011      9.919E-011      +0.000E+000
9.919E-011      9.919E-011      9.919E-011      9.919E-011      4321    100 pass
NRC-ISG-TEST    5       9.919E-011      9.919E-011      9.919E-011      +0.000E+000
9.919E-011      9.919E-011      9.919E-011      9.919E-011      4321    100 pass
2007/04/09      Page #  08:34:13 pass
        Model Rev. ----/--/--    pass
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        SEQUENCE UNCERTAINTY VALUES REPORT       pass
Project: YMP-SEIS-TEST                          Case : Current pass
Analysis: SEISMIC                               Units: Not Specified pass
Event Tree      Sequence        Mean    Min. Cut Upper Bound    Median  Std. Dev.
5th %   95th %  Minimum Maximum Seed    Size pass
NRC-ISG-ET      4       7.632E-015      7.632E-015      7.632E-015      3.407E-023
7.632E-015      7.632E-015      7.632E-015      7.632E-015      4321    100 pass
NRC-ISG-ET      5       5.052E-019      5.052E-019      5.052E-019      +0.000E+000
5.052E-019      5.052E-019      5.052E-019      5.052E-019      4321    100 pass
NRC-ISG-TEST    2       1.332E-008      1.332E-008      1.332E-008      +0.000E+000
1.332E-008      1.332E-008      1.332E-008      1.332E-008      4321    100 pass
NRC-ISG-TEST    3       9.192E-013      9.192E-013      9.192E-013      8.718E-021
9.192E-013      9.192E-013      9.192E-013      9.192E-013      4321    100 pass
NRC-ISG-TEST    4       1.916E-012      1.916E-012      1.916E-012      8.722E-021
1.916E-012      1.916E-012      1.916E-012      1.916E-012      4321    100 pass
NRC-ISG-TEST    5       3.724E-010      3.724E-010      3.724E-010      +0.000E+000
3.724E-010      3.724E-010      3.724E-010      3.724E-010      4321    100 pass
NRC-ISG-TEST    5       3.724E-010      3.724E-010      3.724E-010      +0.000E+000
3.724E-010      3.724E-010      3.724E-010      3.724E-010      4321    100 pass
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2007/04/09      Page #  08:34:13 pass
        Model Rev. ----/--/--    pass
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        SEQUENCE UNCERTAINTY VALUES REPORT       pass
Project: YMP-SEIS-TEST                          Case : Current pass
Analysis: SEISMIC                               Units: Not Specified pass
Event Tree      Sequence        Mean    Min. Cut Upper Bound    Median  Std. Dev.
5th %   95th %  Minimum Maximum Seed    Size pass
NRC-ISG-ET      4       5.764E-014      5.764E-014      5.764E-014      2.726E-022
5.764E-014      5.764E-014      5.764E-014      5.764E-014      4321    100 pass
NRC-ISG-ET      5       8.882E-018      8.882E-018      8.882E-018      +0.000E+000
8.882E-018      8.882E-018      8.882E-018      8.882E-018      4321    100 pass
NRC-ISG-TEST    2       2.747E-008      2.747E-008      2.747E-008      +0.000E+000
2.747E-008      2.747E-008      2.747E-008      2.747E-008      4321    100 pass
NRC-ISG-TEST    3       4.246E-012      4.246E-012      4.246E-012      +0.000E+000
4.246E-012      4.246E-012      4.246E-012      4.246E-012      4321    100 pass
NRC-ISG-TEST    4       8.541E-012      8.541E-012      8.541E-012      +0.000E+000
8.541E-012      8.541E-012      8.541E-012      8.541E-012      4321    100 pass
NRC-ISG-TEST    5       1.049E-009      1.049E-009      1.049E-009      4.465E-018
1.049E-009      1.049E-009      1.049E-009      1.049E-009      4321    100 pass
NRC-ISG-TEST    5       1.049E-009      1.049E-009      1.049E-009      4.465E-018
1.049E-009      1.049E-009      1.049E-009      1.049E-009      4321    100 pass
2007/04/09      Page #  08:34:13 pass
        Model Rev. ----/--/--    pass
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        SEQUENCE UNCERTAINTY VALUES REPORT       pass
Project: YMP-SEIS-TEST                          Case : Current pass
Analysis: SEISMIC                               Units: Not Specified pass
Event Tree      Sequence        Mean    Min. Cut Upper Bound    Median  Std. Dev.
5th %   95th %  Minimum Maximum Seed    Size pass
NRC-ISG-ET      4       5.021E-011      5.021E-011      5.021E-011      +0.000E+000
5.021E-011      5.021E-011      5.021E-011      5.021E-011      4321    100 pass
NRC-ISG-ET      5       1.235E-013      1.235E-013      1.235E-013      5.451E-022
1.235E-013      1.235E-013      1.235E-013      1.235E-013      4321    100 pass
NRC-ISG-TEST    2       3.010E-007      3.010E-007      3.010E-007      +0.000E+000
3.010E-007      3.010E-007      3.010E-007      3.010E-007      4321    100 pass
NRC-ISG-TEST    3       7.403E-010      7.403E-010      7.403E-010      +0.000E+000
7.403E-010      7.403E-010      7.403E-010      7.403E-010      4321    100 pass
NRC-ISG-TEST    4       1.300E-009      1.300E-009      1.300E-009      +0.000E+000
1.300E-009      1.300E-009      1.300E-009      1.300E-009      4321    100 pass
NRC-ISG-TEST    5       3.336E-008      3.336E-008      3.336E-008      2.857E-016
3.336E-008      3.336E-008      3.336E-008      3.336E-008      4321    100 pass
NRC-ISG-TEST    5       3.336E-008      3.336E-008      3.336E-008      2.857E-016
3.336E-008      3.336E-008      3.336E-008      3.336E-008      4321    100 pass
2007/04/09      Page #  08:34:13 pass
        Model Rev. ----/--/--    pass
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        SEQUENCE UNCERTAINTY VALUES REPORT        pass
Project: YMP-SEIS-TEST                            Case : Current pass
Analysis: SEISMIC                                 Units: Not Specified pass
Event Tree      Sequence        Mean    Min. Cut Upper Bound    Median  Std. Dev.
5th %   95th %  Minimum Maximum Seed    Size pass
NRC-ISG-ET      4       2.056E-009      2.056E-009      2.056E-009      1.786E-017
2.056E-009      2.056E-009      2.056E-009      2.056E-009      4321    100 pass
NRC-ISG-ET      5       2.602E-011      2.602E-011      2.602E-011      +0.000E+000
2.602E-011      2.602E-011      2.602E-011      2.602E-011      4321    100 pass
NRC-ISG-TEST    2       9.973E-007      9.973E-007      9.973E-007      4.573E-015
9.973E-007      9.973E-007      9.973E-007      9.973E-007      4321    100 pass
NRC-ISG-TEST    3       1.262E-008      1.262E-008      1.262E-008      +0.000E+000
1.262E-008      1.262E-008      1.262E-008      1.262E-008      4321    100 pass
NRC-ISG-TEST    4       2.014E-008      2.014E-008      2.014E-008      +0.000E+000
2.014E-008      2.014E-008      2.014E-008      2.014E-008      4321    100 pass
NRC-ISG-TEST    5       2.062E-007      2.062E-007      2.062E-007      +0.000E+000
2.062E-007      2.062E-007      2.062E-007      2.062E-007      4321    100 pass
NRC-ISG-TEST    5       2.062E-007      2.062E-007      2.062E-007      +0.000E+000
2.062E-007      2.062E-007      2.062E-007      2.062E-007      4321    100 pass
2007/04/09      Page #  08:34:13 pass
        Model Rev. ----/--/--    pass
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        SEQUENCE UNCERTAINTY VALUES REPORT        pass
Project: YMP-SEIS-TEST                            Case : Current pass
Analysis: SEISMIC                                 Units: Not Specified pass
Event Tree      Sequence        Mean    Min. Cut Upper Bound    Median  Std. Dev.
5th %   95th %  Minimum Maximum Seed    Size pass
NRC-ISG-ET      4       1.398E-008      1.398E-008      1.398E-008      +0.000E+000
1.398E-008      1.398E-008      1.398E-008      1.398E-008      4321    100 pass
NRC-ISG-ET      5       5.232E-010      5.232E-010      5.232E-010      4.464E-018
5.232E-010      5.232E-010      5.232E-010      5.232E-010      4321    100 pass
NRC-ISG-TEST    2       1.341E-006      1.341E-006      1.341E-006      +0.000E+000
1.341E-006      1.341E-006      1.341E-006      1.341E-006      4321    100 pass
NRC-ISG-TEST    3       5.018E-008      5.018E-008      5.018E-008      +0.000E+000
5.018E-008      5.018E-008      5.018E-008      5.018E-008      4321    100 pass
NRC-ISG-TEST    4       7.448E-008      7.448E-008      7.448E-008      +0.000E+000
7.448E-008      7.448E-008      7.448E-008      7.448E-008      4321    100 pass
NRC-ISG-TEST    5       4.171E-007      4.171E-007      4.171E-007      +0.000E+000
4.171E-007      4.171E-007      4.171E-007      4.171E-007      4321    100 pass
NRC-ISG-TEST    5       4.171E-007      4.171E-007      4.171E-007      +0.000E+000
4.171E-007      4.171E-007      4.171E-007      4.171E-007      4321    100 pass
2007/04/09      Page #  08:34:13 pass
        Model Rev. ----/--/--    pass
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        SEQUENCE UNCERTAINTY VALUES REPORT        pass
Project: YMP-SEIS-TEST                            Case : Current pass
Analysis: SEISMIC                                 Units: Not Specified pass
Event Tree      Sequence        Mean    Min. Cut Upper Bound    Median  Std. Dev.
5th %   95th %  Minimum Maximum Seed    Size pass
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NRC-ISG-ET      4       4.891E-008      4.891E-008      4.891E-008      2.858E-016
4.891E-008      4.891E-008      4.891E-008      4.891E-008      4321    100 pass
NRC-ISG-ET      5       3.936E-009      3.936E-009      3.936E-009      1.786E-017
3.936E-009      3.936E-009      3.936E-009      3.936E-009      4321    100 pass
NRC-ISG-TEST    2       1.538E-006      1.538E-006      1.538E-006      +0.000E+000
1.538E-006      1.538E-006      1.538E-006      1.538E-006      4321    100 pass
NRC-ISG-TEST    3       1.237E-007      1.237E-007      1.237E-007      5.716E-016
1.237E-007      1.237E-007      1.237E-007      1.237E-007      4321    100 pass
NRC-ISG-TEST    4       1.733E-007      1.733E-007      1.733E-007      +0.000E+000
1.733E-007      1.733E-007      1.733E-007      1.733E-007      4321    100 pass
NRC-ISG-TEST    5       6.362E-007      6.362E-007      6.362E-007      +0.000E+000
6.362E-007      6.362E-007      6.362E-007      6.362E-007      4321    100 pass
NRC-ISG-TEST    5       6.362E-007      6.362E-007      6.362E-007      +0.000E+000
6.362E-007      6.362E-007      6.362E-007      6.362E-007      4321    100 pass
2007/04/09      Page #  08:34:13 pass
        Model Rev. ----/--/--    pass
 pass

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        SEQUENCE UNCERTAINTY VALUES REPORT       pass
Project: YMP-SEIS-TEST                          Case : Current pass
Analysis: SEISMIC                               Units: Not Specified pass
Event Tree      Sequence        Mean    Min. Cut Upper Bound    Median  Std. Dev.
5th %   95th %  Minimum Maximum Seed    Size pass
NRC-ISG-ET      4       9.865E-008      9.865E-008      9.865E-008      5.716E-016
9.865E-008      9.865E-008      9.865E-008      9.865E-008      4321    100 pass
NRC-ISG-ET      5       1.393E-008      1.393E-008      1.393E-008      +0.000E+000
1.393E-008      1.393E-008      1.393E-008      1.393E-008      4321    100 pass
NRC-ISG-TEST    2       1.392E-006      1.392E-006      1.392E-006      +0.000E+000
1.392E-006      1.392E-006      1.392E-006      1.392E-006      4321    100 pass
NRC-ISG-TEST    3       1.966E-007      1.966E-007      1.966E-007      +0.000E+000
1.966E-007      1.966E-007      1.966E-007      1.966E-007      4321    100 pass
NRC-ISG-TEST    4       2.623E-007      2.623E-007      2.623E-007      +0.000E+000
2.623E-007      2.623E-007      2.623E-007      2.623E-007      4321    100 pass
NRC-ISG-TEST    5       7.085E-007      7.085E-007      7.085E-007      +0.000E+000
7.085E-007      7.085E-007      7.085E-007      7.085E-007      4321    100 pass
NRC-ISG-TEST    5       7.085E-007      7.085E-007      7.085E-007      +0.000E+000
7.085E-007      7.085E-007      7.085E-007      7.085E-007      4321    100 pass
2007/04/09      Page #  08:34:13 pass
        Model Rev. ----/--/--    pass
 pass

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        SEQUENCE UNCERTAINTY VALUES REPORT       pass
Project: YMP-SEIS-TEST                          Case : Current pass
Analysis: SEISMIC                               Units: Not Specified pass
Event Tree      Sequence        Mean    Min. Cut Upper Bound    Median  Std. Dev.
5th %   95th %  Minimum Maximum Seed    Size pass
NRC-ISG-ET      4       1.519E-007      1.519E-007      1.519E-007      +0.000E+000
1.519E-007      1.519E-007      1.519E-007      1.519E-007      4321    100 pass
NRC-ISG-ET      5       3.278E-008      3.278E-008      3.278E-008      +0.000E+000
3.278E-008      3.278E-008      3.278E-008      3.278E-008      4321    100 pass
NRC-ISG-TEST    2       1.186E-006      1.186E-006      1.186E-006      +0.000E+000
1.186E-006      1.186E-006      1.186E-006      1.186E-006      4321    100 pass
NRC-ISG-TEST    3       2.560E-007      2.560E-007      2.560E-007      2.285E-015
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2.560E-007      2.560E-007      2.560E-007      2.560E-007      4321    100 pass
NRC-ISG-TEST    4       3.280E-007      3.280E-007      3.280E-007      2.285E-015
3.280E-007      3.280E-007      3.280E-007      3.280E-007      4321    100 pass
NRC-ISG-TEST    5       7.043E-007      7.043E-007      7.043E-007      +0.000E+000
7.043E-007      7.043E-007      7.043E-007      7.043E-007      4321    100 pass
NRC-ISG-TEST    5       7.043E-007      7.043E-007      7.043E-007      +0.000E+000
7.043E-007      7.043E-007      7.043E-007      7.043E-007      4321    100 pass
2007/04/09      Page #  08:34:13 pass
        Model Rev. ----/--/--    pass
 pass

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        SEQUENCE UNCERTAINTY VALUES REPORT       pass
Project: YMP-SEIS-TEST                          Case : Current pass
Analysis: SEISMIC                               Units: Not Specified pass
Event Tree      Sequence        Mean    Min. Cut Upper Bound    Median  Std. Dev.
5th %   95th %  Minimum Maximum Seed    Size pass
NRC-ISG-ET      4       1.600E-007      1.600E-007      1.600E-007      +0.000E+000
1.600E-007      1.600E-007      1.600E-007      1.600E-007      4321    100 pass
NRC-ISG-ET      5       8.839E-008      8.839E-008      8.839E-008      5.711E-016
8.839E-008      8.839E-008      8.839E-008      8.839E-008      4321    100 pass
NRC-ISG-TEST    2       3.545E-007      3.545E-007      3.545E-007      +0.000E+000
3.545E-007      3.545E-007      3.545E-007      3.545E-007      4321    100 pass
NRC-ISG-TEST    3       1.958E-007      1.958E-007      1.958E-007      +0.000E+000
1.958E-007      1.958E-007      1.958E-007      1.958E-007      4321    100 pass
NRC-ISG-TEST    4       2.241E-007      2.241E-007      2.241E-007      1.143E-015
2.241E-007      2.241E-007      2.241E-007      2.241E-007      4321    100 pass
NRC-ISG-TEST    5       2.935E-007      2.935E-007      2.935E-007      +0.000E+000
2.935E-007      2.935E-007      2.935E-007      2.935E-007      4321    100 pass
NRC-ISG-TEST    5       2.935E-007      2.935E-007      2.935E-007      +0.000E+000
2.935E-007      2.935E-007      2.935E-007      2.935E-007      4321    100 pass
2007/04/09      Page #  08:34:13 pass
        Model Rev. ----/--/--    pass
 pass

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        SEQUENCE UNCERTAINTY VALUES REPORT       pass
Project: YMP-SEIS-TEST                          Case : Current pass
Analysis: SEISMIC                               Units: Not Specified pass
Event Tree      Sequence        Mean    Min. Cut Upper Bound    Median  Std. Dev.
5th %   95th %  Minimum Maximum Seed    Size pass
NRC-ISG-ET      4       1.225E-007      1.225E-007      1.225E-007      1.143E-015
1.225E-007      1.225E-007      1.225E-007      1.225E-007      4321    100 pass
NRC-ISG-ET      5       8.477E-008      8.477E-008      8.477E-008      +0.000E+000
8.477E-008      8.477E-008      8.477E-008      8.477E-008      4321    100 pass
NRC-ISG-TEST    2       2.028E-007      2.028E-007      2.028E-007      1.143E-015
2.028E-007      2.028E-007      2.028E-007      2.028E-007      4321    100 pass
NRC-ISG-TEST    3       1.404E-007      1.404E-007      1.404E-007      1.142E-015
1.404E-007      1.404E-007      1.404E-007      1.404E-007      4321    100 pass
NRC-ISG-TEST    4       1.549E-007      1.549E-007      1.549E-007      +0.000E+000
1.549E-007      1.549E-007      1.549E-007      1.549E-007      4321    100 pass
NRC-ISG-TEST    5       1.812E-007      1.812E-007      1.812E-007      1.142E-015
1.812E-007      1.812E-007      1.812E-007      1.812E-007      4321    100 pass
NRC-ISG-TEST    5       1.812E-007      1.812E-007      1.812E-007      1.142E-015
1.812E-007      1.812E-007      1.812E-007      1.812E-007      4321    100 pass
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2007/04/09      Page #  08:34:13 pass
        Model Rev. ----/--/--    pass
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        SEQUENCE UNCERTAINTY VALUES REPORT       pass
Project: YMP-SEIS-TEST                          Case : Current pass
Analysis: SEISMIC                               Units: Not Specified pass
Event Tree      Sequence        Mean    Min. Cut Upper Bound    Median  Std. Dev.
5th %   95th %  Minimum Maximum Seed    Size pass
NRC-ISG-ET      4       8.419E-008      8.419E-008      8.419E-008      +0.000E+000
8.419E-008      8.419E-008      8.419E-008      8.419E-008      4321    100 pass
NRC-ISG-ET      5       6.722E-008      6.722E-008      6.722E-008      2.858E-016
6.722E-008      6.722E-008      6.722E-008      6.722E-008      4321    100 pass
NRC-ISG-TEST    2       1.162E-007      1.162E-007      1.162E-007      1.143E-015
1.162E-007      1.162E-007      1.162E-007      1.162E-007      4321    100 pass
NRC-ISG-TEST    3       9.275E-008      9.275E-008      9.275E-008      +0.000E+000
9.275E-008      9.275E-008      9.275E-008      9.275E-008      4321    100 pass
NRC-ISG-TEST    4       9.956E-008      9.956E-008      9.956E-008      +0.000E+000
9.956E-008      9.956E-008      9.956E-008      9.956E-008      4321    100 pass
NRC-ISG-TEST    5       1.087E-007      1.087E-007      1.087E-007      5.716E-016
1.087E-007      1.087E-007      1.087E-007      1.087E-007      4321    100 pass
NRC-ISG-TEST    5       1.087E-007      1.087E-007      1.087E-007      5.716E-016
1.087E-007      1.087E-007      1.087E-007      1.087E-007      4321    100 pass
2007/04/09      Page #  08:34:14 pass
        Model Rev. ----/--/--    pass
 pass

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        SEQUENCE UNCERTAINTY VALUES REPORT       pass
Project: YMP-SEIS-TEST                          Case : Current pass
Analysis: SEISMIC                               Units: Not Specified pass
Event Tree      Sequence        Mean    Min. Cut Upper Bound    Median  Std. Dev.
5th %   95th %  Minimum Maximum Seed    Size pass
NRC-ISG-ET      4       5.500E-008      5.500E-008      5.500E-008      2.858E-016
5.500E-008      5.500E-008      5.500E-008      5.500E-008      4321    100 pass
NRC-ISG-ET      5       4.805E-008      4.805E-008      4.805E-008      +0.000E+000
4.805E-008      4.805E-008      4.805E-008      4.805E-008      4321    100 pass
NRC-ISG-TEST    2       6.760E-008      6.760E-008      6.760E-008      2.858E-016
6.760E-008      6.760E-008      6.760E-008      6.760E-008      4321    100 pass
NRC-ISG-TEST    3       5.905E-008      5.905E-008      5.905E-008      +0.000E+000
5.905E-008      5.905E-008      5.905E-008      5.905E-008      4321    100 pass
NRC-ISG-TEST    4       6.209E-008      6.209E-008      6.209E-008      2.858E-016
6.209E-008      6.209E-008      6.209E-008      6.209E-008      4321    100 pass
NRC-ISG-TEST    5       6.510E-008      6.510E-008      6.510E-008      2.858E-016
6.510E-008      6.510E-008      6.510E-008      6.510E-008      4321    100 pass
NRC-ISG-TEST    5       6.510E-008      6.510E-008      6.510E-008      2.858E-016
6.510E-008      6.510E-008      6.510E-008      6.510E-008      4321    100 pass
2007/04/09      Page #  08:34:14 pass
        Model Rev. ----/--/--    pass
 pass

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        SEQUENCE UNCERTAINTY VALUES REPORT       pass
Project: YMP-SEIS-TEST                          Case : Current pass
Analysis: SEISMIC                               Units: Not Specified pass
Event Tree      Sequence        Mean    Min. Cut Upper Bound    Median  Std. Dev.
5th %   95th %  Minimum Maximum Seed    Size pass
NRC-ISG-ET      4       3.133E-008      3.133E-008      3.133E-008      1.429E-016
3.133E-008      3.133E-008      3.133E-008      3.133E-008      4321    100 pass
NRC-ISG-ET      5       2.894E-008      2.894E-008      2.894E-008      +0.000E+000
2.894E-008      2.894E-008      2.894E-008      2.894E-008      4321    100 pass
NRC-ISG-TEST    2       3.577E-008      3.577E-008      3.577E-008      2.856E-016
3.577E-008      3.577E-008      3.577E-008      3.577E-008      4321    100 pass
NRC-ISG-TEST    3       3.304E-008      3.304E-008      3.304E-008      +0.000E+000
3.304E-008      3.304E-008      3.304E-008      3.304E-008      4321    100 pass
NRC-ISG-TEST    4       3.422E-008      3.422E-008      3.422E-008      1.429E-016
3.422E-008      3.422E-008      3.422E-008      3.422E-008      4321    100 pass
NRC-ISG-TEST    5       3.504E-008      3.504E-008      3.504E-008      2.856E-016
3.504E-008      3.504E-008      3.504E-008      3.504E-008      4321    100 pass
NRC-ISG-TEST    5       3.504E-008      3.504E-008      3.504E-008      2.856E-016
3.504E-008      3.504E-008      3.504E-008      3.504E-008      4321    100 pass
2007/04/09      Page #  08:34:14 pass
        Model Rev. ----/--/--    pass
 pass

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        SEQUENCE UNCERTAINTY VALUES REPORT       pass
Project: YMP-SEIS-TEST                          Case : Current pass
Analysis: SEISMIC                               Units: Not Specified pass
Event Tree      Sequence        Mean    Min. Cut Upper Bound    Median  Std. Dev.
5th %   95th %  Minimum Maximum Seed    Size pass
NRC-ISG-ET      4       9.547E-009      9.547E-009      9.547E-009      +0.000E+000
9.547E-009      9.547E-009      9.547E-009      9.547E-009      4321    100 pass
NRC-ISG-ET      5       9.490E-009      9.490E-009      9.490E-009      +0.000E+000
9.490E-009      9.490E-009      9.490E-009      9.490E-009      4321    100 pass
NRC-ISG-TEST    2       9.771E-009      9.771E-009      9.771E-009      7.139E-017
9.771E-009      9.771E-009      9.771E-009      9.771E-009      4321    100 pass
NRC-ISG-TEST    3       9.713E-009      9.713E-009      9.713E-009      7.139E-017
9.713E-009      9.713E-009      9.713E-009      9.713E-009      4321    100 pass
NRC-ISG-TEST    4       9.784E-009      9.784E-009      9.784E-009      +0.000E+000
9.784E-009      9.784E-009      9.784E-009      9.784E-009      4321    100 pass
NRC-ISG-TEST    5       9.771E-009      9.771E-009      9.771E-009      +0.000E+000
9.771E-009      9.771E-009      9.771E-009      9.771E-009      4321    100 pass
NRC-ISG-TEST    5       9.771E-009      9.771E-009      9.771E-009      +0.000E+000
9.771E-009      9.771E-009      9.771E-009      9.771E-009      4321    100 pass
2007/04/09      Page #  08:34:14 pass
        Model Rev. ----/--/--    pass
 pass

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YMP-SEIS-TEST-01 Scenario: Solve Seismic Sequences Completed at 04/09/07 08:34:14

Test Completed Successfully
DEMO-01 Scenario: Correct result - vs wrong qa file Started at 04/09/07 08:34:16
Unmark All Change Sets
Generate Current Event Data
Unmark All Sequences
```

Including Masked Sequences
Generate Sequence Cut Sets - Truncation = 1.0000E-015
correct_cutset.rpt Sequence Cut Set Report Started

SEQUENCE CUT SETS (QUANTIFICATION) REPORT pass

Project: DEMO Case : Current pass
Analysis: RANDOM Units: Per Hour pass

Event Tree		Sequence		% Total Cut Set %	Prob./Freq. Inputs pass
LOSP	2	95.04	95.04	4.600E-002	DG-A * fail
LOSP	2	38.45	38.45	1.000E-002	DG-A * expected
		99.79	4.75	2.300E-003	E-MOV-1 * fail
		76.91	38.45	1.000E-002	E-MOV-1 * expected
		99.91	0.12	5.750E-005	E-MOV-A, E-MOV-B * fail
		80.75	3.85	1.000E-003	E-CV-A, E-CV-B * expected
		99.98	0.07	3.450E-005	E-MOV-A, E-PUMP-B * fail
		84.60	3.85	1.000E-003	E-CV-A, E-MOV-B * expected
		100.00	0.07	3.450E-005	E-MOV-B, E-PUMP-A * fail
		88.44	3.85	1.000E-003	E-CV-A, E-PUMP-B * expected
		100.00	0.04	2.070E-005	E-PUMP-A, E-PUMP-B * fail
		92.29	3.85	1.000E-003	E-CV-B, E-MOV-A * expected
		100.00	0.00	1.150E-006	E-CV-A, E-MOV-B * fail
		96.14	3.85	1.000E-003	E-CV-B, E-PUMP-A * expected
		100.00	0.00	1.150E-006	E-CV-B, E-MOV-A * fail
		99.98	3.85	1.000E-003	E-MOV-A, E-MOV-B * expected
		100.00	0.00	6.900E-007	E-CV-A, E-PUMP-B * fail
		100.00	3.85	1.000E-003	E-MOV-A, E-PUMP-B * expected
		100.00	0.00	6.900E-007	E-CV-B, E-PUMP-A * fail
		100.00	3.85	1.000E-003	E-MOV-B, E-PUMP-A * expected
		100.00	0.00	2.300E-008	E-CV-A, E-CV-B * fail
		100.00	3.85	1.000E-003	E-PUMP-A, E-PUMP-B * expected
				4.840E-002	= Total * fail
				2.601E-002	= Total * expected
	3	52.29	52.29	9.200E-004	DG-A, DG-B * fail
	3	48.30	48.30	1.000E-002	TANK * expected
		65.36	13.07	2.300E-004	C-MOV-B, DG-A * fail
		53.13	4.83	1.000E-003	C-CV-B, DG-A * expected
		78.43	13.07	2.300E-004	DG-B, E-MOV-A * fail
		57.96	4.83	1.000E-003	C-MOV-1, DG-A * expected
		86.27	7.84	1.380E-004	C-PUMP-B, DG-A * fail
		62.79	4.83	1.000E-003	C-MOV-1, E-MOV-1 * expected
		94.11	7.84	1.380E-004	DG-B, E-PUMP-A * fail
		67.62	4.83	1.000E-003	C-MOV-B, DG-A * expected
		96.72	2.61	4.600E-005	C-MOV-1, DG-A * fail
		72.45	4.83	1.000E-003	C-PUMP-B, DG-A * expected
		99.33	2.61	4.600E-005	DG-B, E-MOV-1 * fail
		77.28	4.83	1.000E-003	DG-A, DG-B * expected
		99.59	0.26	4.600E-006	C-CV-B, DG-A * fail
		82.11	4.83	1.000E-003	DG-B, E-CV-A * expected
		99.85	0.26	4.600E-006	DG-B, E-CV-A * fail
		86.94	4.83	1.000E-003	DG-B, E-MOV-1 * expected
		99.98	0.13	2.300E-006	C-MOV-1, E-MOV-1 * fail
		91.77	4.83	1.000E-003	DG-B, E-MOV-A * expected
		99.99	0.01	2.300E-007	TANK * fail
		96.60	4.83	1.000E-003	DG-B, E-PUMP-A * expected
		99.99	0.00	5.750E-008	C-MOV-1, E-MOV-A, E-MOV-B * fail
		97.09	0.48	1.000E-004	C-CV-A, C-CV-B, E-MOV-1 * expected
		99.99	0.00	5.750E-008	C-MOV-A, C-MOV-B, E-MOV-1 * fail
		97.57	0.48	1.000E-004	C-CV-A, C-MOV-B, E-MOV-1 * expected
		99.99	0.00	3.450E-008	C-MOV-1, E-MOV-A, E-PUMP-B * fail
		98.05	0.48	1.000E-004	C-CV-A, C-PUMP-B, E-MOV-1 * expected
		99.99	0.00	3.450E-008	C-MOV-1, E-MOV-B, E-PUMP-A * fail
		98.54	0.48	1.000E-004	C-CV-B, C-MOV-A, E-MOV-1 * expected

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99.99   0.00   3.450E-008   C-MOV-A, C-PUMP-B, E-MOV-1 * fail
99.02   0.48   1.000E-004   C-CV-B, C-PUMP-A, E-MOV-1 * expected
99.99   0.00   3.450E-008   C-MOV-B, C-PUMP-A, E-MOV-1 * fail
99.50   0.48   1.000E-004   C-MOV-1, E-CV-A, E-CV-B * expected
99.99   0.00   2.070E-008   C-MOV-1, E-PUMP-A, E-PUMP-B * fail
99.98   0.48   1.000E-004   C-MOV-1, E-CV-A, E-MOV-B * expected
99.99   0.00   2.070E-008   C-PUMP-A, C-PUMP-B, E-MOV-1 * fail
100.00  0.48   1.000E-004   C-MOV-1, E-CV-A, E-PUMP-B * expected
99.99   0.00   1.438E-009   C-MOV-A, C-MOV-B, E-MOV-A, E-MOV-B *
fail
100.00  0.48   1.000E-004   C-MOV-1, E-CV-B, E-MOV-A * expected
99.99   0.00   1.150E-009   C-CV-A, C-MOV-B, E-MOV-1 * fail
100.00  0.48   1.000E-004   C-MOV-1, E-CV-B, E-PUMP-A * expected
99.99   0.00   1.150E-009   C-CV-B, C-MOV-A, E-MOV-1 * fail
100.00  0.48   1.000E-004   C-MOV-1, E-MOV-A, E-MOV-B * expected
99.99   0.00   1.150E-009   C-MOV-1, E-CV-A, E-MOV-B * fail
100.00  0.48   1.000E-004   C-MOV-1, E-MOV-A, E-PUMP-B *
expected
99.99   0.00   1.150E-009   C-MOV-1, E-CV-B, E-MOV-A * fail
100.00  0.48   1.000E-004   C-MOV-1, E-MOV-B, E-PUMP-A *
expected
99.99   0.00   8.625E-010   C-MOV-A, C-MOV-B, E-MOV-A, E-PUMP-B
* fail
100.00  0.48   1.000E-004   C-MOV-1, E-PUMP-A, E-PUMP-B *
expected
99.99   0.00   8.625E-010   C-MOV-A, C-MOV-B, E-MOV-B, E-PUMP-A
* fail
100.00  0.48   1.000E-004   C-MOV-A, C-MOV-B, E-MOV-1 * expected
99.99   0.00   8.625E-010   C-MOV-A, C-PUMP-B, E-MOV-A, E-MOV-B
* fail
100.00  0.48   1.000E-004   C-MOV-A, C-PUMP-B, E-MOV-1 *
expected
99.99   0.00   8.625E-010   C-MOV-B, C-PUMP-A, E-MOV-A, E-MOV-B
* fail
100.00  0.48   1.000E-004   C-MOV-B, C-PUMP-A, E-MOV-1 *
expected
99.99   0.00   6.900E-010   C-CV-A, C-PUMP-B, E-MOV-1 * fail
100.00  0.48   1.000E-004   C-PUMP-A, C-PUMP-B, E-MOV-1 *
expected
99.99   0.00   6.900E-010   C-CV-B, C-PUMP-A, E-MOV-1 * fail
100.00  0.05   1.000E-005   C-CV-A, C-CV-B, E-CV-A, E-CV-B *
expected
99.99   0.00   6.900E-010   C-MOV-1, E-CV-A, E-PUMP-B * fail
100.00  0.05   1.000E-005   C-CV-A, C-CV-B, E-CV-A, E-MOV-B *
expected
99.99   0.00   6.900E-010   C-MOV-1, E-CV-B, E-PUMP-A * fail
100.00  0.05   1.000E-005   C-CV-A, C-CV-B, E-CV-A, E-PUMP-B *
expected
99.99   0.00   5.175E-010   C-MOV-A, C-MOV-B, E-PUMP-A, E-PUMP-B
* fail
100.00  0.05   1.000E-005   C-CV-A, C-CV-B, E-CV-B, E-MOV-A *
expected
99.99   0.00   5.175E-010   C-MOV-A, C-PUMP-B, E-MOV-A, E-PUMP-B
* fail
100.00  0.05   1.000E-005   C-CV-A, C-CV-B, E-CV-B, E-PUMP-A *
expected
99.99   0.00   5.175E-010   C-MOV-A, C-PUMP-B, E-MOV-B, E-PUMP-A
* fail
100.00  0.05   1.000E-005   C-CV-A, C-CV-B, E-MOV-A, E-MOV-B *
expected
99.99   0.00   5.175E-010   C-MOV-B, C-PUMP-A, E-MOV-A, E-PUMP-B
* fail
100.00  0.05   1.000E-005   C-CV-A, C-CV-B, E-MOV-A, E-PUMP-B *
```

```
expected
                99.99   0.00    5.175E-010      C-MOV-B, C-PUMP-A, E-MOV-B, E-PUMP-A
* fail
                100.00  0.05    1.000E-005      C-CV-A, C-CV-B, E-MOV-B, E-PUMP-A *
expected
                99.99   0.00    5.175E-010      C-PUMP-A, C-PUMP-B, E-MOV-A, E-MOV-B
* fail
                100.00  0.05    1.000E-005      C-CV-A, C-CV-B, E-PUMP-A, E-PUMP-B *
expected
                99.99   0.00    3.105E-010      C-MOV-A, C-PUMP-B, E-PUMP-A,
E-PUMP-B * fail
                100.00  0.05    1.000E-005      C-CV-A, C-MOV-B, E-CV-A, E-CV-B *
expected
                99.99   0.00    3.105E-010      C-MOV-B, C-PUMP-A, E-PUMP-A,
E-PUMP-B * fail
                100.00  0.05    1.000E-005      C-CV-A, C-MOV-B, E-CV-A, E-MOV-B *
expected
                99.99   0.00    3.105E-010      C-PUMP-A, C-PUMP-B, E-MOV-A,
E-PUMP-B * fail
                100.00  0.05    1.000E-005      C-CV-A, C-MOV-B, E-CV-A, E-PUMP-B *
expected
                99.99   0.00    3.105E-010      C-PUMP-A, C-PUMP-B, E-MOV-B,
E-PUMP-A * fail
                100.00  0.05    1.000E-005      C-CV-A, C-MOV-B, E-CV-B, E-MOV-A *
expected
                99.99   0.00    1.863E-010      C-PUMP-A, C-PUMP-B, E-PUMP-A,
E-PUMP-B * fail
                100.00  0.05    1.000E-005      C-CV-A, C-MOV-B, E-CV-B, E-PUMP-A *
expected
                99.99   0.00    2.875E-011      C-CV-A, C-MOV-B, E-MOV-A, E-MOV-B *
fail
                100.00  0.05    1.000E-005      C-CV-A, C-MOV-B, E-MOV-A, E-MOV-B *
expected
                99.99   0.00    2.875E-011      C-CV-B, C-MOV-A, E-MOV-A, E-MOV-B *
fail
                100.00  0.05    1.000E-005      C-CV-A, C-MOV-B, E-MOV-A, E-PUMP-B *
expected
                99.99   0.00    2.875E-011      C-MOV-A, C-MOV-B, E-CV-A, E-MOV-B *
fail
                100.00  0.05    1.000E-005      C-CV-A, C-MOV-B, E-MOV-B, E-PUMP-A *
expected
                99.99   0.00    2.875E-011      C-MOV-A, C-MOV-B, E-CV-B, E-MOV-A *
fail
                100.00  0.05    1.000E-005      C-CV-A, C-MOV-B, E-PUMP-A, E-PUMP-B
* expected
                99.99   0.00    2.300E-011      C-CV-A, C-CV-B, E-MOV-1 * fail
                100.00  0.05    1.000E-005      C-CV-A, C-PUMP-B, E-CV-A, E-CV-B *
expected
                99.99   0.00    2.300E-011      C-MOV-1, E-CV-A, E-CV-B * fail
                100.00  0.05    1.000E-005      C-CV-A, C-PUMP-B, E-CV-A, E-MOV-B *
expected
                99.99   0.00    1.725E-011      C-CV-A, C-MOV-B, E-MOV-A, E-PUMP-B *
fail
                100.00  0.05    1.000E-005      C-CV-A, C-PUMP-B, E-CV-A, E-PUMP-B *
expected
                99.99   0.00    1.725E-011      C-CV-A, C-MOV-B, E-MOV-B, E-PUMP-A *
fail
                100.00  0.05    1.000E-005      C-CV-A, C-PUMP-B, E-CV-B, E-MOV-A *
expected
                99.99   0.00    1.725E-011      C-CV-A, C-PUMP-B, E-MOV-A, E-MOV-B *
fail
                100.00  0.05    1.000E-005      C-CV-A, C-PUMP-B, E-CV-B, E-PUMP-A *
expected
```

```
                99.99   0.00    1.725E-011      C-CV-B, C-MOV-A, E-MOV-A, E-PUMP-B *
fail
                100.00  0.05    1.000E-005      C-CV-A, C-PUMP-B, E-MOV-A, E-MOV-B *
expected
                99.99   0.00    1.725E-011      C-CV-B, C-MOV-A, E-MOV-B, E-PUMP-A *
fail
                100.00  0.05    1.000E-005      C-CV-A, C-PUMP-B, E-MOV-A, E-PUMP-B
* expected
                99.99   0.00    1.725E-011      C-CV-B, C-PUMP-A, E-MOV-A, E-MOV-B *
fail
                100.00  0.05    1.000E-005      C-CV-A, C-PUMP-B, E-MOV-B, E-PUMP-A
* expected
                99.99   0.00    1.725E-011      C-MOV-A, C-MOV-B, E-CV-A, E-PUMP-B *
fail
                100.00  0.05    1.000E-005      C-CV-A, C-PUMP-B, E-PUMP-A, E-PUMP-B
* expected
                99.99   0.00    1.725E-011      C-MOV-A, C-MOV-B, E-CV-B, E-PUMP-A *
fail
                100.00  0.05    1.000E-005      C-CV-B, C-MOV-A, E-CV-A, E-CV-B *
expected
                99.99   0.00    1.725E-011      C-MOV-A, C-PUMP-B, E-CV-A, E-MOV-B *
fail
                100.00  0.05    1.000E-005      C-CV-B, C-MOV-A, E-CV-A, E-MOV-B *
expected
                99.99   0.00    1.725E-011      C-MOV-A, C-PUMP-B, E-CV-B, E-MOV-A *
fail
                100.00  0.05    1.000E-005      C-CV-B, C-MOV-A, E-CV-A, E-PUMP-B *
expected
                99.99   0.00    1.725E-011      C-MOV-B, C-PUMP-A, E-CV-A, E-MOV-B *
fail
                100.00  0.05    1.000E-005      C-CV-B, C-MOV-A, E-CV-B, E-MOV-A *
expected
                99.99   0.00    1.725E-011      C-MOV-B, C-PUMP-A, E-CV-B, E-MOV-A *
fail
                100.00  0.05    1.000E-005      C-CV-B, C-MOV-A, E-CV-B, E-PUMP-A *
expected
                99.99   0.00    1.035E-011      C-CV-A, C-MOV-B, E-PUMP-A, E-PUMP-B
* fail
                100.00  0.05    1.000E-005      C-CV-B, C-MOV-A, E-MOV-A, E-MOV-B *
expected
                99.99   0.00    1.035E-011      C-CV-A, C-PUMP-B, E-MOV-A, E-PUMP-B
* fail
                100.00  0.05    1.000E-005      C-CV-B, C-MOV-A, E-MOV-A, E-PUMP-B *
expected
                99.99   0.00    1.035E-011      C-CV-A, C-PUMP-B, E-MOV-B, E-PUMP-A
* fail
                100.00  0.05    1.000E-005      C-CV-B, C-MOV-A, E-MOV-B, E-PUMP-A *
expected
                99.99   0.00    1.035E-011      C-CV-B, C-MOV-A, E-PUMP-A, E-PUMP-B
* fail
                100.00  0.05    1.000E-005      C-CV-B, C-MOV-A, E-PUMP-A, E-PUMP-B
* expected
                99.99   0.00    1.035E-011      C-CV-B, C-PUMP-A, E-MOV-A, E-PUMP-B
* fail
                100.00  0.05    1.000E-005      C-CV-B, C-PUMP-A, E-CV-A, E-CV-B *
expected
                99.99   0.00    1.035E-011      C-CV-B, C-PUMP-A, E-MOV-B, E-PUMP-A
* fail
                100.00  0.05    1.000E-005      C-CV-B, C-PUMP-A, E-CV-A, E-MOV-B *
expected
                99.99   0.00    1.035E-011      C-MOV-A, C-PUMP-B, E-CV-A, E-PUMP-B
* fail
                100.00  0.05    1.000E-005      C-CV-B, C-PUMP-A, E-CV-A, E-PUMP-B *
```

expected	99.99	0.00	1.035E-011	C-MOV-A, C-PUMP-B, E-CV-B, E-PUMP-A
* fail	100.00	0.05	1.000E-005	C-CV-B, C-PUMP-A, E-CV-B, E-MOV-A *
expected	99.99	0.00	1.035E-011	C-MOV-B, C-PUMP-A, E-CV-A, E-PUMP-B
* fail	100.00	0.05	1.000E-005	C-CV-B, C-PUMP-A, E-CV-B, E-PUMP-A *
expected	99.99	0.00	1.035E-011	C-MOV-B, C-PUMP-A, E-CV-B, E-PUMP-A
* fail	100.00	0.05	1.000E-005	C-CV-B, C-PUMP-A, E-MOV-A, E-MOV-B *
expected	99.99	0.00	1.035E-011	C-PUMP-A, C-PUMP-B, E-CV-A, E-MOV-B
* fail	100.00	0.05	1.000E-005	C-CV-B, C-PUMP-A, E-MOV-A, E-PUMP-B
* expected	99.99	0.00	1.035E-011	C-PUMP-A, C-PUMP-B, E-CV-B, E-MOV-A
* fail	100.00	0.05	1.000E-005	C-CV-B, C-PUMP-A, E-MOV-B, E-PUMP-A
* expected	99.99	0.00	6.210E-012	C-CV-A, C-PUMP-B, E-PUMP-A, E-PUMP-B
* fail	100.00	0.05	1.000E-005	C-CV-B, C-PUMP-A, E-PUMP-A, E-PUMP-B
* expected	99.99	0.00	6.210E-012	C-CV-B, C-PUMP-A, E-PUMP-A, E-PUMP-B
* fail	100.00	0.05	1.000E-005	C-MOV-A, C-MOV-B, E-CV-A, E-CV-B *
expected	99.99	0.00	6.210E-012	C-PUMP-A, C-PUMP-B, E-CV-A, E-PUMP-B
* fail	100.00	0.05	1.000E-005	C-MOV-A, C-MOV-B, E-CV-A, E-MOV-B *
expected	99.99	0.00	6.210E-012	C-PUMP-A, C-PUMP-B, E-CV-B, E-PUMP-A
* fail	100.00	0.05	1.000E-005	C-MOV-A, C-MOV-B, E-CV-A, E-PUMP-B *
expected	99.99	0.00	5.750E-013	C-CV-A, C-CV-B, E-MOV-A, E-MOV-B *
fail	100.00	0.05	1.000E-005	C-MOV-A, C-MOV-B, E-CV-B, E-MOV-A *
expected	99.99	0.00	5.750E-013	C-CV-A, C-MOV-B, E-CV-A, E-MOV-B *
fail	100.00	0.05	1.000E-005	C-MOV-A, C-MOV-B, E-CV-B, E-PUMP-A *
expected	99.99	0.00	5.750E-013	C-CV-A, C-MOV-B, E-CV-B, E-MOV-A *
fail	100.00	0.05	1.000E-005	C-MOV-A, C-MOV-B, E-MOV-A, E-MOV-B *
expected	99.99	0.00	5.750E-013	C-CV-B, C-MOV-A, E-CV-A, E-MOV-B *
fail	100.00	0.05	1.000E-005	C-MOV-A, C-MOV-B, E-MOV-A, E-PUMP-B
* expected	99.99	0.00	5.750E-013	C-CV-B, C-MOV-A, E-CV-B, E-MOV-A *
fail	100.00	0.05	1.000E-005	C-MOV-A, C-MOV-B, E-MOV-B, E-PUMP-A
* expected	99.99	0.00	5.750E-013	C-MOV-A, C-MOV-B, E-CV-A, E-CV-B *
fail	100.00	0.05	1.000E-005	C-MOV-A, C-MOV-B, E-PUMP-A, E-PUMP-B
* expected	99.99	0.00	3.450E-013	C-CV-A, C-CV-B, E-MOV-A, E-PUMP-B *
fail				

```
                100.00  0.05    1.000E-005      C-MOV-A, C-PUMP-B, E-CV-A, E-CV-B *
expected
                99.99   0.00    3.450E-013      C-CV-A, C-CV-B, E-MOV-B, E-PUMP-A *
fail
                100.00  0.05    1.000E-005      C-MOV-A, C-PUMP-B, E-CV-A, E-MOV-B *
expected
                99.99   0.00    3.450E-013      C-CV-A, C-MOV-B, E-CV-A, E-PUMP-B *
fail
                100.00  0.05    1.000E-005      C-MOV-A, C-PUMP-B, E-CV-A, E-PUMP-B
* expected
                99.99   0.00    3.450E-013      C-CV-A, C-MOV-B, E-CV-B, E-PUMP-A *
fail
                100.00  0.05    1.000E-005      C-MOV-A, C-PUMP-B, E-CV-B, E-MOV-A *
expected
                99.99   0.00    3.450E-013      C-CV-A, C-PUMP-B, E-CV-A, E-MOV-B *
fail
                100.00  0.05    1.000E-005      C-MOV-A, C-PUMP-B, E-CV-B, E-PUMP-A
* expected
                99.99   0.00    3.450E-013      C-CV-A, C-PUMP-B, E-CV-B, E-MOV-A *
fail
                100.00  0.05    1.000E-005      C-MOV-A, C-PUMP-B, E-MOV-A, E-MOV-B
* expected
                99.99   0.00    3.450E-013      C-CV-B, C-MOV-A, E-CV-A, E-PUMP-B *
fail
                100.00  0.05    1.000E-005      C-MOV-A, C-PUMP-B, E-MOV-A, E-PUMP-B
* expected
                99.99   0.00    3.450E-013      C-CV-B, C-MOV-A, E-CV-B, E-PUMP-A *
fail
                100.00  0.05    1.000E-005      C-MOV-A, C-PUMP-B, E-MOV-B, E-PUMP-A
* expected
                99.99   0.00    3.450E-013      C-CV-B, C-PUMP-A, E-CV-A, E-MOV-B *
fail
                100.00  0.05    1.000E-005      C-MOV-A, C-PUMP-B, E-PUMP-A,
E-PUMP-B * expected
                99.99   0.00    3.450E-013      C-CV-B, C-PUMP-A, E-CV-B, E-MOV-A *
fail
                100.00  0.05    1.000E-005      C-MOV-B, C-PUMP-A, E-CV-A, E-CV-B *
expected
                99.99   0.00    3.450E-013      C-MOV-A, C-PUMP-B, E-CV-A, E-CV-B *
fail
                100.00  0.05    1.000E-005      C-MOV-B, C-PUMP-A, E-CV-A, E-MOV-B *
expected
                99.99   0.00    3.450E-013      C-MOV-B, C-PUMP-A, E-CV-A, E-CV-B *
fail
                100.00  0.05    1.000E-005      C-MOV-B, C-PUMP-A, E-CV-A, E-PUMP-B
* expected
                99.99   0.00    2.070E-013      C-CV-A, C-CV-B, E-PUMP-A, E-PUMP-B *
fail
                100.00  0.05    1.000E-005      C-MOV-B, C-PUMP-A, E-CV-B, E-MOV-A *
expected
                99.99   0.00    2.070E-013      C-CV-A, C-PUMP-B, E-CV-A, E-PUMP-B *
fail
                100.00  0.05    1.000E-005      C-MOV-B, C-PUMP-A, E-CV-B, E-PUMP-A
* expected
                99.99   0.00    2.070E-013      C-CV-A, C-PUMP-B, E-CV-B, E-PUMP-A *
fail
                100.00  0.05    1.000E-005      C-MOV-B, C-PUMP-A, E-MOV-A, E-MOV-B
* expected
                99.99   0.00    2.070E-013      C-CV-B, C-PUMP-A, E-CV-A, E-PUMP-B *
fail
                100.00  0.05    1.000E-005      C-MOV-B, C-PUMP-A, E-MOV-A, E-PUMP-B
* expected
                99.99   0.00    2.070E-013      C-CV-B, C-PUMP-A, E-CV-B, E-PUMP-A *
```

```
fail
                100.00  0.05    1.000E-005      C-MOV-B, C-PUMP-A, E-MOV-B, E-PUMP-A
* expected
                99.99   0.00    2.070E-013      C-PUMP-A, C-PUMP-B, E-CV-A, E-CV-B *
fail
                100.00  0.05    1.000E-005      C-MOV-B, C-PUMP-A, E-PUMP-A,
E-PUMP-B * expected
                99.99   0.00    1.150E-014      C-CV-A, C-CV-B, E-CV-A, E-MOV-B *
fail
                100.00  0.05    1.000E-005      C-PUMP-A, C-PUMP-B, E-CV-A, E-CV-B *
expected
                99.99   0.00    1.150E-014      C-CV-A, C-CV-B, E-CV-B, E-MOV-A *
fail
                100.00  0.05    1.000E-005      C-PUMP-A, C-PUMP-B, E-CV-A, E-MOV-B
* expected
                99.99   0.00    1.150E-014      C-CV-A, C-MOV-B, E-CV-A, E-CV-B *
fail
                100.00  0.05    1.000E-005      C-PUMP-A, C-PUMP-B, E-CV-A, E-PUMP-B
* expected
                99.99   0.00    1.150E-014      C-CV-B, C-MOV-A, E-CV-A, E-CV-B *
fail
                100.00  0.05    1.000E-005      C-PUMP-A, C-PUMP-B, E-CV-B, E-MOV-A
* expected
                99.99   0.00    6.900E-015      C-CV-A, C-CV-B, E-CV-A, E-PUMP-B *
fail
                100.00  0.05    1.000E-005      C-PUMP-A, C-PUMP-B, E-CV-B, E-PUMP-A
* expected
                99.99   0.00    6.900E-015      C-CV-A, C-CV-B, E-CV-B, E-PUMP-A *
fail
                100.00  0.05    1.000E-005      C-PUMP-A, C-PUMP-B, E-MOV-A, E-MOV-B
* expected
                99.99   0.00    6.900E-015      C-CV-A, C-PUMP-B, E-CV-A, E-CV-B *
fail
                100.00  0.05    1.000E-005      C-PUMP-A, C-PUMP-B, E-MOV-A,
E-PUMP-B * expected
                99.99   0.00    6.900E-015      C-CV-B, C-PUMP-A, E-CV-A, E-CV-B *
fail
                100.00  0.05    1.000E-005      C-PUMP-A, C-PUMP-B, E-MOV-B,
E-PUMP-A * expected
                                1.760E-003      = Total * fail
                100.00  0.05    1.000E-005      C-PUMP-A, C-PUMP-B, E-PUMP-A,
E-PUMP-B * expected
2007/04/09      Page #  08:34:16 * fail
                                2.070E-002      = Total * expected
        Model Rev.      /- /--    * fail
2004/11/02      Page #  13:03:32 * expected
 * fail
        Model Rev.      /- /--    * expected
LINE  138 First file completed

-----------------------------------------------------------------------------


DEMO-01 Scenario: Correct result - vs wrong qa file Completed at 04/09/07 08:34:16

Test * FAILED *
```

```
SAPHIRE Test Suite Summary Report
Windows Operating System Version : Windows XP
DATE & TIME : 04/09/07 08:10:35
c:\Saph727\tools\saphwin.exe = 7.27.0.18
--------------------------------------------------------------------------------
c:\Saph727\byrn_2qa Test Completed Successfully
```