



ETL-Assembly Risks

Risks have not been reviewed since CD-1 and will need to be revised...

RI-ID	Title	Probability	Cost Impact	Schedule Impact	P * Impact (k\$)	P * Impact (months)
<input type="checkbox"/> WBS / Ops Lab Activity : 402.8 TL - Timing Layer (general risks) (2)						
<input type="checkbox"/> WBS / Ops Lab Activity : 402.8.3 BTL - Barrel Timing Layer (14)						
<input type="checkbox"/> WBS / Ops Lab Activity : 402.8.4 ETL - Endcap Timing Layer (10)						
<input type="checkbox"/> Risk Rank : 3 (High) (1)						
RT-402-8-01-D	ETL - Additional FE ASIC prototype cycle is required	40 %	500 -- 600 -- 700 k\$	4 -- 5 -- 6 months	240	2.0
<input type="checkbox"/> Risk Rank : 2 (Medium) (5)						
RT-402-8-03-D	ETL - FE ASIC does not meet specs - needs another pre-prod run	10 %	874 -- 930 -- 986 k\$	6 -- 7.5 -- 9 months	93	0.8
RT-402-8-55-D	ETL - Schedule delay in submitting ETROC2	30 %	55 -- 110 -- 165 k\$	2 -- 4 -- 6 months	33	1.2
RT-402-8-02-D	ETL - ETL module facility unavailable	50 %	20 k\$	2 months	10	1.0
RT-402-8-10-D	ETL - Sensor quality problem during production	15 %	28 -- 52 -- 109 k\$	2 -- 3 -- 6 months	9	0.6
RO-402-8-01-D	ETL - Use AltiROC	10 %	-720 k\$	-8 months	-72	-0.8
<input type="checkbox"/> Risk Rank : 1 (Low) (4)						
RT-402-8-54-D	ETL - Schedule delay in submitting ETROC3	20 %	27.5 -- 55 -- 82.5 k\$	1 -- 2 -- 3 months	11	0.4
RT-402-8-53-D	ETL - Integration facility at CERN runs out of components	25 %	21 k\$	3 months	5	0.8
RT-402-8-31-D	ETL - Storage-related degradation of LGADs	10 %	18 k\$	3 months	2	0.3
RT-402-8-51-D	ETL - Problem with vendor provision of module components	5 %	0 -- 15 -- 30 k\$	1 -- 2 -- 3 months	1	0.1