

NCSX June 2007 ETC
TABLE IV - Uncertainty of Estimate and Residual Risk Assessment

Uncertainty of the Estimate									
		<u>High</u>	<u>Medium</u>	<u>Low</u>	<u>Uncertainty Range</u>	<u>Comments/Other Considerations</u>			
Job 7401									
	Design Maturity			X		Linked with Job 7503 => Estimated without detailed drawings. Significant uncertainty that current concept will stay the same - see Residual Risks below.			
	Design Complexity		X		-20%/+40%	Linked to Job 7503 => Experienced in assembly fusion devices, but tolerances exceed anything done before.			
Job 7451									
	Design Maturity			X		Linked with Job 7503 => Estimated without detailed drawings. Significant uncertainty that current concept will stay the same - see Residual Risks below.			
	Design Complexity		X		-20%/+40%	Linked to Job 7503 => Experienced in assembly fusion devices, but tolerances exceed anything done before.			
	Other Comments:					This job is LOE - as WBS 75 increases in duration this job will increase in duration the same amount.			
Note: High/Medium/Low uncertainty assessment from Job Manager. Uncertainty range based on AACEI recommended practice 18R-97 as amended for NCSX.									
Residual Impacts									
Job	Risk Description	Likelihood of Occurring	Mitigation Plan	Basis of estimate	Cost Impact		Schedule Impact		
					Low	High	Low	High	
7401	Loss or prolonged unavailability of certain key personnel (Viola or Perry) from the project could substantially impact the schedule.	VU	Viola and Perry will be cross-trained such that each could do the other's job	Estimated impact is <1 months on the critical path. Cost estimates cover 0-1 months of near term FPA assembly (in addition to the standing army costs addressed under schedule impact).	+\$240K	+\$480K	+1.00	+2.00	
Notes:									
[1]	Low cost and schedule impacts are considered the minimum (0-percentile) impacts should the event occur.								
	High cost and schedule impacts are considered the maximum (100-percentile) impacts should the event occur								
[2]	Cost impacts should be entered as man-hours (by demographic) and M&S direct cost under basis of estimate.								
	Cost impacts should NOT include standing army costs which are separately calculated from the schedule impact								
	Project control is responsible for quantifying the low and high cost impacts based on the labor hours and M&S identified								
[3]	The schedule impacts should be entered as the min and max impacts on the critical path.								
	If there is no critical path impact then the schedule entries should be zero.								
[4]	Likelihood of occurrence should be entered consistent with our risk classification methodology, i.e.								
	VL= Very Likely (P>80%), L=Likely (80%>P>40%), U=Unlikely (40%>P>10%), VU=Very Unlikely (P<10%), NC=Non-credible (P<1%)								