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

WBS Number: 142 WBS Title: Windings and Assembly Job Number: 1421 Job Title: Design of Modular Coil Interfaces Job Manager:David Williamson

Uncertainty of the Estimate									
Donion Moturity	<u>High</u>	Medium	Low	Uncertainty Range (%)	Comments/Other Considerations				
Design Maturity			x	-10 to +50	Major issue is continuous iteration of design				
Design Complexity		x			Major uncertainty is C-C access for bolting at machine assembly				

Note: High/Medium/Low uncertainty assessment from Job Manager. Uncertainty range based on AACEI recommended practice 18R-97 as amended for NCSX.

Residual Impacts				
<u>Risk</u>	Likelihood of Occurring (%)	Mitigation Strategies	Consequence if Occurs	
		add distortion control methods to welding procedure development,	Cost	Schedule
 weld distortion found in R&D exceeds allowable assume double welding time 	20%	such as clamping bolts, peening, and alternate weld methods	\$70k+sched hit	6 wks
2 C-C access insufficient for bolts redesign and re-analyze alternate solution at CC	20%	Prepare mockups and check access directly	\$250k	