Contingency Specification Rationale Worksheet

WBS Level 4 Identifier: 55		Title: NCSX Real time Plasma Control		
Originator: G. E. Oliaro		Date: 9/5/03		
	Technical	Schedule	Cost	Total
Risk Factor (Table 2-1):	3	-	1	
Weighting Factor (Table 2-2):	2	1	2	
Percent	6	_	2	8

Recommended Contingency Allowance (%): 8

Rationale for Selection of Contingency Allowance:

The design for the plasma control system will be based on the current VME design used on NSTX. We will share the existing array processor and current monitoring digitizers with NSTX since the power conversion system will be shared. The PCS software from GA will be the framework for the NCSX design. Some uncertainties exist in the estimating of the interface to a new power conversion firing generator link.