

## NCSX Work Approval Form (WAF)

**WBS Number: 58**

**WBS Title: Central I&C Integration**

**Job Number: 5801**

**Job Title: Central I&C Integration**

**Job Manager: Paul Sichta**

**Description:**

The Central I&C Integration provides oversight and interface coordination with other WBS elements as the NCSX design progresses.

**Schedule:**

See Attached

**Approvals:**

\_\_\_\_\_  
Job Manager

\_\_\_\_\_  
Date

\_\_\_\_\_  
Responsible Line Manager

\_\_\_\_\_  
Date

\_\_\_\_\_  
Project Manager

\_\_\_\_\_  
Date

\_\_\_\_\_  
Engineering Department Head

\_\_\_\_\_  
Date

**NCSX June 2007 ETC  
TABLE I - DESIGN LABOR**

<b>WBS Number: 58</b>													
<b>WBS Title: Central I&amp;C Integration</b>													
<b>Job Number: 5801</b>													
<b>Job Title: Central I&amp;C Integration</b>													
<b>Job Manager: Paul Sichta</b>													
<b>Description:</b>													
<i>Title I and</i>													
<b>FY07\$K</b>													
<b>Activity ID</b>	<b>Activity Description</b>	<b>41MS</b>	<b>43MS/CC</b>	<b>48MS</b>	<b>37STK</b>	<b>35TRVL</b>	<b>ECEM</b>	<b>ECTB</b>	<b>EMTB</b>	<b>EASB</b>	<b>EEEM</b>	<b>EETB</b>	<b>Basis of Estimate</b>
													Originally manhours estimate based on NSTX experience. However, this estimate has been updated to reflect experience of experience on other similar networking installation projects.
58-10	WBS58 -FY07 Management & Integration						50						
58-20	WBS58 -FY08 Management & Integration						160						
58-30	WBS58 -FY09 Management & Integration						120						
58-40	WBS58 -FY09 Management & Integration						120						
<b>Subtotal Job 5801</b>		<b>\$0.0K</b>	<b>\$0.0K</b>	<b>\$0.0K</b>	<b>\$0.0K</b>	<b>\$0.0K</b>	<b>330</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	

**NCSX June 2007 ETC**  
**TABLE II - Materials and Subcontracts**

<b>WBS Number: 58</b>							
<b>WBS Title: Central I&amp;C Integration</b>							
<b>Job Number: 5801</b>							
<b>Job Title: Central I&amp;C Integration</b>							
<b>Job Manager: Paul Sichta</b>							
<b>Materials and Subcontracts (M&amp;S)</b>						<b>Basis of Estimate</b>	
<b>Description:</b>							
<b>See Table I</b>							



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

<b>WBS Number: 58</b>																			
<b>WBS Title: Central I&amp;C Integration</b>																			
<b>Job Number: 5801</b>																			
<b>Job Title: Central I&amp;C Integration</b>																			
<b>Job Manager: Paul Sichta</b>																			
<b>Uncertainty of the Estimate</b>																			
			<u>High</u>	<u>Medium</u>	<u>Low</u>	<u>Uncertainty Range (%)</u>	<u>Comments/Other Considerations</u>												
	Design Maturity		X				LOE activity based on previous I&C Project experience (e.g., NSTX)												
	Design Complexity				X	-5%/+10%	LOE activity based on previous I&C Project experience (e.g., NSTX)												
<b>Note: High/Medium/Low uncertainty assessment from Job Manager. Uncertainty range based on ACEI recommended practice 18R-97 as amended for NCSX.</b>																			
<b>Residual Impacts</b>																			
																		<b>Cost Impact</b>	<b>Schedule Impact</b>
<b>Job</b>	<b>Risk Description</b>					<b>Likelihood of Occurring</b>	<b>Mitigation Plan</b>	<b>Basis of estimate</b>			<b>Low</b>	<b>High</b>	<b>Low</b>	<b>High</b>					
NONE																			
<b>Notes:</b>																			
[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=Unlikley (40%>P>10%), VU=Very Unlikley (P<10%), NC=Non-credible (P<1%)																		