	NCSX Work Approval	Form (WAF)
Job Numb Job Title:	Central I&C Integration	
Description:		
	The Central I&C Integration provides oversigh WBS elements as the NCSX design progresse	
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

WBS N	Number: 58									1				
	Title: Central I&C Integration													
Job Nu	umber: 5801													
							ļ			4				
JOD II	tle: Central I&C Integration													
Job M	anager: Paul Sichta													
	1		1		I					1				
Descript	ion:	1								1	1	1		
Title I and										1				
				i			FY07\$K		1	1				
			1		1				Ι	Ι	Γ	Γ		
			S			یے								
		<u>0</u>	3MS/C	<u>s</u>	¥	5TRVI	CEM	μ	e	9	n	Σ	<u>м</u>	
Activity ID	Activity Description	41MS	43N	48MS	37ST	35T	ECE	ECTB	EM		EASB	EEEM	E	Basis of Estimate
														Originally manhours estimate based on NSTX experience.
														However, this estimate has been updated to reflect experience
														of experieince on other similar networking installation
										<u> </u>	_			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		ļ	ļ				
	Subtotal Job 5801	\$0.0K	\$0.0K	\$0.0K	\$0.0K	\$0.0K	330	0	0		^	0	^	
	SUDIOIAI JOD 300 I	φ υ.υ Λ	φ υ. υ Λ	φ υ. υ Γ	φ υ. υ Γ	φ0.0K	J 30	U	U	1	v	U	0	

NCSX June 2007 ETC TABLE II - Materials and Subcontracts

WBS Number: 58				
WBS Title: Central I&C Integration				
Job Number: 5801				
Job Title: Central I&C Integration Job Manager: Paul Sichta				
Job Manager: Paul Sichta				
	1			
Materials and Subcontracts (M&S)			Bas	is of Estimate
Materials and Subcontracts (M&S) Description:			Bas	is of Estimate
			Bas	is of Estimate
Description:			Bas	is of Estimate
Description:			Bas	is of Estimate

NCSX June 2007 ETC TABLE III - Fabrication/Assembly Installation

WBS Number: 58					
WBS Title: Central I&C Integration	on				
Job Number: 5801					
Job Title: Central I&C Integration Job Manager: Paul Sichta	h l				
Job Manager: Paul Sichta					
Ŭ					
In-house Fabrication and Assembly a	and Installation				
See Table I					

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

WB:	S Number: 58														
WB:	S Title: Central I&C Integrat	ion													
Job	Number: 5801														
	Title: Central I&C Integration	on													
	Manager: Paul Sichta														
Unce	rtainty of the Estimate				1			1				1			
					Uncertainty										
		<u>High</u>	<u>Medium</u>	Low	<u>Range (%)</u>					<u>Co</u>	mments/O	ther Consi	derations		
	Design Maturity	Х				LOE activ	ty based or	n pre	vious I&C	Project e	xperience	(e.g., NST)	()		
	Design Complexity			x	-5%/+10%					Destants			A		
	Design Complexity			X		LOE activ	ty based or	n pre	vious i&c	Project e	xperience	(e.g., NST)	()		
Note:	High/Medium/Low uncertainty assessment	from Job N	lanager. Unc	ertainty rar	ige based on AA	ACEI recon	nmended pr	ractio	ce 18R-97	as amend	ed for NCS	SX.			
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			· · ·											· · · · ·	
Residu	ual Impacts														
Residi					Likelihood of							Cost	mpact	Schedule	Impact
Job	Risk Descri	otion			Likelihood of Occurring	Mitiq	ation Plan		Bas	is of estin	nate	Cost I	mpact High	Schedule Low	
		otion			Likelihood of Occurring	Mitig	ation Plan		Bas	is of estin	nate				Impact High
		otion				Mitig	ation Plan		Bas	is of estin	nate				
Job		otion				Mitig	ation Plan		Bas	is of estin	nate				
Job		otion				Mitig	ation Plan		Bas	is of estin	nate				
Job NONE	Risk Descri	otion				Mitig	ation Plan		Bas	is of estin	nate				
Job NONE Notes:	Risk Descri		ілітит (0-ре	ercentile) in	Occurring				Bas	is of estin	nate				
Job NONE	Risk Descri	lered the m	<u> </u>	/	Occurring	he event o	cur.		Bas	is of estin					
Job NONE Notes:	Risk Descrip Risk Descrip Low cost and schedule impacts are consid High cost and schedule impacts are consi Cost impacts should be entered as man-ho	dered the m dered the m dered the m burs (by de	naximum (100 mographic) a	D-percentile	Occurring pacts should the properties of the should the properties of the should be sh	he event o Id the ever basis of es	ccur. t occur timate.		Bas	is of estin	nate				
Job NONE Notes:	Risk Description Risk D	dered the m dered the m burs (by de g army cost	naximum (100 mographic) a s which are s	D-percentile and M&S directed by the separately of the separately	Occurring npacts should the impacts should the impacts should the rect cost under calculated from	he event o Id the ever basis of es the sched	ccur. t occur timate. ule impact			is of estin	nate				
Job NONE Notes: [1] [2]	Risk Descrip Risk Descrip Low cost and schedule impacts are consid High cost and schedule impacts are consi Cost impacts should be entered as man-ho Cost impacts should NOT include standing Project control is reponsible for quantifyin	dered the m dered the m burs (by de g army cost g the low a	naximum (100 mographic) a s which are s nd high cost	D-percentile and M&S dir separately impacts ba	Occurring npacts should the impacts should the impacts should rect cost under calculated from ased on the labo	he event o Id the ever basis of es the sched	ccur. t occur timate. ule impact	ntifie		is of estin					
Job NONE Notes:	Risk Descrip Risk Descrip Low cost and schedule impacts are consid High cost and schedule impacts are consi Cost impacts should be entered as man-ho Cost impacts should be entered as man-ho Cost impacts should NOT include standing Project control is reponsible for quantifyin The schedule impacts should be entered a	dered the m dered the m burs (by de g army cost g the low a is the min a	naximum (100 mographic) a s which are s nd high cost nd max impa	D-percentile and M&S direction separately of impacts batters on the	Occurring npacts should the impacts should the impacts should rect cost under calculated from ased on the labo	he event o Id the ever basis of es the sched	ccur. t occur timate. ule impact	ntifie		is of estin					
Job NONE [1] [2] [3]	Risk Descrip Risk Descrip Low cost and schedule impacts are consid High cost and schedule impacts are consi Cost impacts should be entered as man-he Cost impacts should be entered as man-he Toject control is reponsible for quantifyin The schedule impacts should be entered a If there is no critical path impact then the s	dered the m dered the m ours (by de g army cost g the low a s the min a schedule er	naximum (100 mographic) a s which are s nd high cost nd max impa ntries should	D-percentile and M&S diseparately impacts batters on the be zero.	Occurring npacts should the impacts should the impacts should rect cost under calculated from ased on the labo critical path.	he event o Id the ever basis of es the sched or hours ar	ccur. t occur timate. ule impact	ntifie		is of estin					
Job NONE Notes: [1] [2]	Risk Descrip Risk Descrip Low cost and schedule impacts are consid High cost and schedule impacts are consi Cost impacts should be entered as man-ho Cost impacts should be entered as man-ho Cost impacts should NOT include standing Project control is reponsible for quantifyin The schedule impacts should be entered a	dered the m dered the m burs (by de g army cost g the low a s the min a schedule er d consister	naximum (100 mographic) a s which are s nd high cost nd max impa ntries should nt with our ris	D-percentile and M&S differentiation separately of impacts bar acts on the be zero. sk classific	Occurring npacts should the impacts should the impacts should rect cost under calculated from ased on the labo critical path. ation methodolo	he event o Id the ever basis of es the sched or hours ar	ccur. t occur timate. ule impact d M&S ider		d						
Job NONE [1] [2] [3]	Risk Descrip Risk Descrip Low cost and schedule impacts are consid High cost and schedule impacts are consi Cost impacts should be entered as man-he Cost impacts should be entered as man-he Cost impacts should be entered as man-he Cost impacts should be entered as If there is no critical path impact then the s Likelihood of occurrence should be entered	dered the m dered the m burs (by de g army cost g the low a s the min a schedule er d consister	naximum (100 mographic) a s which are s nd high cost nd max impa ntries should nt with our ris	D-percentile and M&S differentiation separately of impacts bar acts on the be zero. sk classific	Occurring npacts should the impacts should the impacts should rect cost under calculated from ased on the labo critical path. ation methodolo	he event o Id the ever basis of es the sched or hours ar	ccur. t occur timate. ule impact d M&S ider		d						

Activity	MILE-	Activity	Duration	Baseline	Baseline	Shifts	Total	%	Proposed				1	1		
ID	stones (level 2	Description	(work days	Start	Finish		Float	cmplt	Budgeted	FY07	FY08	FY09	FY10	FY11	FY	Y12
	& 3)															
58 - Cent	ral I&	C management and Integration														
Job: 5801 - (Central	I&C Integr& Oversight-SICHTA														
	1		1	1	1											
R58-10		WBS58 -FY07 Management & Integration LOE	107	01MAY07*	01OCT07		1,248	LOE	7,039.66		ec//em=50					
R58-20		WBS58 -FY08 Management & Integration LOE	250	01OCT07*	30SEP08		999	LOE	24,107.20			ec//em=160				
R58-30		WBS58 -FY09 Management & Integration LOE	249	01OCT08*	30SEP09		750	LOE	18,610.80				ec//em=120			
R58-40		WBS58 -FY10 Management & Integration LOE	248	01OCT09*	30SEP10		502	LOE	19,243.20					ec//em=120		
Subtotal			853	01MAY07	30SEP10		502	LOE	69,000.86							

Run Date	ate 18JUL07 07:31	ETCZ	Z NCSX Project	Sheet 74 of 99
Run Dale	18JUL07 07:31		Resource Loaded Schedule	
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