

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

WBS Number: 133																									
WBS Title: External Trim Coils																									
Job Number: 1354																									
Job Title: Trim Coil Design and Procurement																									
Job Manager: Mike Kalish																									
Description:																									
<i>Title I and II Engineering for PF Coils and Title III Support of Fabrication Effort.</i>																									
Task ID	FY07\$K					HOURS												Basis of Estimate							
	41MS	48MS	37STK	35TRVL	31OT	ORNL EM	ORNL DSN	EMEM	EMSM	EMSB	EMTB	EAEM	EADM	EEEM	EESM	EESB	EETB		ECEM	ECSB	ECTB	RM2	RM3		
Title I & II Design																									
Complete PF Coil SRD													8											Engineering Judgment - Past Experience (Jupiter 2)	
Analysis													40											Engineering Judgment - Past Experience (Jupiter 2)	
FDR Dwgs													60											Engineering Judgment - Past Experience (Jupiter 2)	
Prepare for FDR													16											Engineering Judgment - Past Experience (Jupiter 2)	
FDR													8											Engineering Judgment - Past Experience (Jupiter 2)	
Prepare Procurement Coil Spec													24											Engineering Judgment - Past Experience (Jupiter 2)	
Detail Drawings														64										4 drawings at 16 hours per drawing	
Disposition FDR Chits													8											Engineering Judgment - Past Experience (Jupiter 2)	
Title III Design																									
Coil Procurement Support													24											Past experience in procuring simple coils	
Fabrication Support													116											3months, 1day per week, +20hrs drafting - Minimal oversight due to simple conventional coil design, based on experience	
Fabrication Support Travel	2.5																							One trip to west coast assuming vendor is in Ca (worst case assumption)	
													244	124											