

NCSX Job/WP Matrix

WP#	Name of Work Activity	Cog Engr	RLM	WP Status ^a	WP Risk Type	Job# ^b	Job Title	Job Manager	Comments	Next Action Needed By
1105	Vessel Weld Joint Design	Viola	Dudek	Closed	Standard	1201	VV Prelim Dsn	Viola		
1074	PVVS Fabrication	Viola	Heitzenroeder	Closed	Standard	1202	VV R&D	Viola		
1103	Vacuum Vessel Final Design	Goranson	Nelson	Closed	Serious	1203	VV Final Design	Goranson		
1191	VVProcurements - Non-VVSA	Dudek	Reiersen	Pending Installation Approval	Standard	1204	VV System Procurements (non VVSA)	Dudek		
1225	Vessel Weld Joint R&D	Dudek	Reiersen	Closed	Standard	1206	VV Weld Joint R&D	Dudek		
1181	VVSA Fabrication	Viola	Nelson	Closed	Major	1250	VVSA Fabrication	Viola		
1190	TF Coils	Kalish	Nelson	Closed	Major	1301	TF Design	Kalish		
1250	PF Coils	Kalish	Reiersen	Pending Installation Approval	Major	1302	PF Design	Kalish		
1361	CS Support Structure Design & Analysis	Dahlgren	Reiersen	Pending Initial Approval	Standard	1303	CS Support Structure Design & Analysis	Dahlgren		REIERSEN REVIEW AND APPROVE
1231	TF Coil Fabrication Preparation	Chrzanowski	Dudek	Closed	Standard	1350	TF Coil Fabrication Preparation	Chrzanowski		
1295	Procurement of NCSX TF Coils	Kalish	Reiersen	Pending Initial Approval	Major	1351, 1361	TF Coil Supplies TF Coil Fabrication	Kalish	THIS WORK IS CURRENT => SHOULD BE BEYOND INITIAL APPROVAL STAGE!	REIERSEN REVIEW AND APPROVE
	PF Coil Procurement	Kalish	Reiersen			1352	PF Coil Procurement	Kalish	Prepare WP prior to start of work	
	CS Structure Procurement	Dahlgren	Reiersen			1353	CS Structure Procurement	Dahlgren	Prepare WP prior to start of work	
	Trim Coil Design & Fab	Kalish	Reiersen			1354	Trim Coil Design & Fab	Kalish	Prepare WP prior to start of work	
	Conventional Coils I&C Design and Fab	Kalish	Reiersen			1355	Conventional Coils I&C Design & Fab	Kalish	Prepare WP prior to start of work	
1088	Prototype Modular Coil Winding Form	Heitzenroeder	Reiersen	Closed	Standard	1404	Modular Coil Winding Form R&D	Heitzenroeder		
1125	Modular Coil Winding R&D plus Procurement of Coil Winding Supplies	Chrzanowski	Dudek	Pending Installation Approval	Serious	1406, 1408	Modular Coil Winding R&D Modular Coil Winding Supplies	Chrzanowski		
1018	Winding Equipment & Tooling	Chrzanowski	Dudek	Closed	Standard	1407 1412	Modular Coil Winding Facilities	Chrzanowski		
1138	Manufacturing of Modular Coils- Production Activities	Chrzanowski	Dudek	Pending Installation Approval	Serious	1408, 1451, 1459, 1460	Modular Coil Winding	Chrzanowski		
1100	Coil Power Test Area	Gettelfinger	Von Halle	Closed	Standard	1409	Modular Coil Test Stand	Gettelfinger		

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1188	Manufacturing Twisted Racetrack Coil (TRC)	Chrzanowski	Dudek	Closed	Serious	1410	MC Twisted Racetrack Fabrication	Chrzanowski		
1256	MCWF Fabrication	Heitzenroeder	Nelson	Pending Installation Approval	Serious	1411	MCWF Fabrication	Heitzenroeder		
1237	Operate NCSX Coil Test Facility	Gettelfinger	von Halle	Closed	Serious	1414	Modular Coil Testing	Gettelfinger		
1308	Prep C1 Coil for Power Testing	Gettelfinger	Reiersen	Closed	Standard	1414	Prepare C1 for Power Test	Gettelfinger		
1096	Modular Coil Final Design and Analysis (FY2004-2005)	Williamson	Nelson	Closed	Serious	1416, 1421	Modular Coil Final Design	Williamson		
1357	Modular Coil Shim Friction Testing	Gettelfinger	Dudek	Pending Initial Approval	Standard	1429	Friction Testing of MC Shims	Gettelfinger		DUDEK REVIEW AND APPROVE
1355	Modular Coil Interface Hardware	Dudek	Reiersen	Pending Initial Approval	Standard	1431	MC Interface Hardware	Dudek		WILLIAMS REVIEW AND APPROVE
1019	Winding Prototype Modular Coil	Chrzanowski	Dudek	Closed	Standard	14XX				
1360	TF & PF Support Structure Design & Analysis	Dahlgren	Reiersen	Pending Final Approval	Serious	1501	TF & PF Support Structure Design & Analysis	Dahlgren		
1101	Structural Support Castings	Kalish	Nelson	Closed	Serious	1501,	Structures Design	Kalish		
	Coil Structures Procurements	Dahlgren	Reiersen			1550	Coil Structures Procurements	Dahlgren	Prepare WP prior to start of work	
	Coil Services Design	Williamson	Nelson			1601	Coil Services Design	Nelson	Prepare WP prior to start of work	
1254	Cryostat and Base Support Structure Design	Gettelfinger	Reiersen	Pending Installation Approval	Standard	1701	Cryostat and Base Support Structure Design	Gettelfinger		
	Cryostat Procurement	Gettelfinger	Reiersen			1751	Cryostat Procurement	Gettelfinger	Prepare WP prior to start of work	
	Base Support Structure Procurement	Gettelfinger	Reiersen			1752	Base Support Structure Procurement	Gettelfinger	Prepare WP prior to start of work	
1224	FP Assembly Oversight and Support	Viola	Dudek	Pending Installation Approval	Serious	1802	FP Assembly Oversight and Support	Viola		
1249	FPA Tooling and Constructability	Brown	Dudek	Pending Initial Approval	Serious	1803,	FPA Tooling and Constructability	Brown		DUDEK REVIEW AND APPROVE
N/A	Metrology Hardware	Raftopoulos	Dudek			1804	FPA Measurement Systems	Raftopoulos	No WP required per RLM.	

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1363	Field Period Assembly Specifications and Drawings	Cole	Nelson	Pending Initial Approval	Standard	1806	FPA Specs and Drawings	Cole		REIERSEN REVIEW AND APPROVE
1350	Perform C-C Coil prototype fitup	Viola	Dudek	Pending Final Approval	Standard	1810	Field Period Assembly	Viola		
N/A	Stellartore Core Mgmt & Integration	Nelson	Reiersen			1901	Stellarator Core Management and Integration	Nelson	No WP required per RLM.	
	Fueling System	Blanchard	Dudek			2101	Fueling System	Blanchard	Prepare WP prior to start of work	
	Vacuum Pumping System	Blanchard	Dudek			2201	Vacuum Pumping System	Blanchard	Prepare WP prior to start of work	
1126	C Site NCSX NBI Testing and Development	Stevenson	von Halle	Pending Final Approval	Standard	2501,	Neutral Beam Refurbishment	Stevenson	Cog is keeping WP open in the event more work can be done.	
1212	NCSX External Magnetics	Stratton	Dudek	Pending Final Approval	Standard	3101	Magnetic Diagnostics	Labik		
	Edge & Divertor Diagnostics	Stratton	Dudek			3601	Edge & Divertor Diagnostics	Stratton	Prepare WP prior to start of work	
1091	Diagnostic Systems Integration (FY2004)	Johnson	Johnson	Closed	Standard	3901,	Diagnostic Systems Integration	Johnson		
1116	Power Systems Engineering and Design	Ramakrishnan	von Halle	Closed	Standard	4101 4401 4501	AC Power Control & Protection Power Systems Design & Integration	Ramakrishnan		
	Power Systems Engineering and Design	Ramakrishnan	von Halle			4101 4401 4501	AC Power Control & Protection Power Systems Design & Integration	Ramakrishnan	Prepare WP prior to start of work	
1118	DC Transmission Structure & Trays from D to C site	Ramakrishnan	von Halle	Closed	Standard	4301	DC Systems	Ramakrishnan		
1216	NCSX WBS4 C-Site DC System Design and Installation	Ramakrishnan	von Halle	Pending Installation Approval	Major	4301	DC Systems	Ramakrishnan		
N/A	Control Room Walls and Floor		Perry			7201	Control Room Walls and Floor	Perry	Work will most likely be GPP will not be done this FY. WP will be prepared when work scheduled. May be assigned to GPP. Close?	Perry

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1247	Platform Design and Fabrication	Perry	Reiersen	Pending Installation Approval	Standard	7301, 7501	Platform Design and Fabrication	Perry		
1146	NCSX Test Cell Copper Ground Plane Cuts	Perry	Reiersen	Approved for Installation	Standard	7401 (613.030)	TC Prep and Machine Assy Planning (Test cell copper ground plane cuts)	Perry	IS THIS DONE YET?	UPDATE BY 1/26/2007 IF NEEDED.
1137	Shielding in CS Building High Bay	Priniski	Perry	Pending Installation Approval	Standard	7401, 7101	Test Cell Facility Preparations	Perry	This was done under GPP. SHOULDN'T WE CLOSE?	UPDATE BY 1/26/2007
1241	Prep for NCSX Installation	Perry	Reiersen	Pending Final Approval	Standard	'7401, '7501	Test Cell Facility Preparations	Perry		
	Machine Assembly Tooling Design & Fab		Perry			7601	Machine Assembly Tooling Design & Fab	Brown	No work scheduled until 10/07	
1093	Project Management and Control (FY2004)	Strykowski	Neilson	Closed	Standard	8101 8102	Project Management & Control NCSX MIE Management at ORNL	Neilson		
1094	Systems Engineering Support (FY2004)	Reiersen	Neilson	Closed	Standard	8202 8203 8204 8205	Engineering Management & Systems Engineering Support Design Integration Systems Analysis Dimensional Control	Reiersen Brown Brooks Stratton	WP not required on future work per the RLM	
1095	Project Physics Support (FY2004)	Zarnstorff	Neilson	Closed	Standard	8401 8402	Project Physics	Zarnstorff		
1045	Re-install Chiller for C-Site Rectifier Cooling System	Dudek	Reiersen	Closed	Standard					
1046	Checkout of the NCSX NB Rectifier Cooling Water System	Dudek	Reiersen	Closed	Standard					
1048	NCSX NBI Development Activities	Stevenson	Von Halle	Closed	Standard					
1061	C site NBI Modulator Repair	Stevenson	Von Halle	Closed	Standard					

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1082	Neutral Beam Box Exhaust Monitoring System	Carnavelle	Von Halle	Closed	Standard					
1090	Stellarator Core Management and Integration (FY2004)	Nelson	Reiersen	Closed	Standard					
1098	NCSX Conventional coils Preliminary Design	Kalish	Reieren	Closed	Standard					
1102	NCSX WBS 6 - Facility systems FY04 Support	Dudek	Reiersen	Closed	Standard					