

%	WBS	Task Name	Finish	Risks Level	Risk Impact
0%	4	End of STEP IV Operations	18/12/2015	(RISK)-(R3)	Additional data runs required to complete matrix
0%	7	<b>Step IV De-Commissioning</b>	18/04/2016		
0%	7.1	<b>Tracker Systems</b>	01/01/2016		
0%	7.1.1	Disconnect Northside Waveguides	28/12/2015	(RISK)-(R5)	Expert Personnel not available
0%	7.1.3	Disconnect Southside Waveguides	28/12/2015	(RISK)-(R5)	Expert Personnel not available
0%	7.1.4	Move South side Tracker Cryostats to R9	01/01/2016		
0%	7.2	<b>TOF, KL &amp; EMR</b>	15/01/2016		
0%	7.2.1	Remove TOF1 & KL & EMR	12/01/2016	(RISK)-(R5)	Expert Personnel not available
0%	7.2.2	Move TOF, KL & EMR to R9	15/01/2016		
0%	7.3	<b>Partial Return Yoke</b>	18/04/2016		
0%	7.3.1	Remove North side PRY	03/02/2016	(RISK)-(R5)	Lifting equipment missing / damaged
0%	7.3.3	Remove South side PRY	07/04/2016	(RISK)-(R5)	Lifting equipment missing / damaged
0%	7.3.5	Remove Downstream underfloor supports	18/04/2016	(RISK)-(R5)	Lifting equipment missing / damaged
0%	7.3.6	PRY Material removed from the Hall	18/04/2016		
0%	7.4	<b>Magnets</b>	21/03/2016		
0%	7.4.1	Disconnect all magnet cooling lines, instrumentation and power	02/03/2016	(RISK)-(R4)	Expert Personnel not available
0%	7.4.2	Move Upstream Spectrometer Solenoid magnet to R9	09/03/2016	(RISK)-(R5)	Expert Personnel not available
0%	7.4.3	Move Downstream Spectrometer Solenoid magnet to R9	15/03/2016	(RISK)-(R5)	Expert Personnel not available
0%	7.4.4	Move Focus Coil Magnet to R9	21/03/2016	(RISK)-(R5)	Expert Personnel not available
0%	7.4.5	All Channel Magnets moved out of the Hall	21/03/2016	(RISK)-(R4)	Expert Personnel not available
0%	7.5.1	Disconnect transfer line, cooling and instrumentation	12/02/2016	(RISK)-(R5)	Expert Personnel not available
0%	7.5.2	Move Absorber and transfer line to R9	17/02/2016		
0%	7.6	Step IV De-Commissioning Complete	18/04/2016		
0%	8	<b>Hall Civil Engineering</b>	09/08/2016		
0%	8.1	<b>Access Ramp and Door</b>	09/08/2016		
0%	8.1.1	Hall door re-design for RFCC access	18/04/2016	(RISK)-(R4)	Design approval signoff
0%	8.1.2	Modify Door & Ramp for RFCC installation (During ISIS SD or no beam)	09/08/2016	(RISK)-(R4)	Contractor late completion / problems found during floor cut
0%	8.1.3	Scaffolding for Electrical services access	22/04/2016		
0%	8.1.4	Move of Electrical Services away from main door	07/07/2016	(RISK)-(R4)	Problems found during work
0%	8.2.2	Erect scaffolding for access to South Mezz	27/04/2016		
0%	8.2.3	Make changes to South Mezz	25/05/2016	(RISK)-(R4)	contractor unavailable
0%	8.2.4	Load test / Inspection sign off	26/05/2016	(RISK)-(R5)	loadtest materials
0%	8.3	Hall Civil Engineering Complete	07/07/2016	(RISK)-(R4)	Contractor Delays
0%	9.3	<b>MICE Step V Installation</b>	05/02/2018		
0%	9.3.1	<b>Step V Base plate installation</b>	28/11/2016		
0%	9.3.1.1	Remove step IV false floor plates	13/07/2016		
0%	9.3.1.7	Install base plate - RFCC #1	14/09/2016	(RISK)-(R3)	Re-Work required
0%	9.3.1.12	Install base plate - AFC #2	18/10/2016	(RISK)-(R3)	Re-Work required
0%	9.3.1.17	Install base plate - Spectrometer Solenoid Downstream	21/11/2016	(RISK)-(R3)	Re-Work required
0%	9.3.1.18	Install through bolts and survey, level and tighten the complete arrangement	28/11/2016		
0%	9.3.2	<b>Return Yoke</b>	05/02/2018		
0%	9.3.2.1	<b>South PRY Frame Legs - SS</b>	07/02/2017		
0%	9.3.2.1.1	Survey Floor & PRY legs	05/12/2016		
0%	9.3.2.1.2	Cut shim	09/12/2016		
0%	9.3.2.1.3	Install frame legs (inc drilling plates)	04/01/2017	(RISK)-(R4)	Inaccuracy of the frame / floor drilling
0%	9.3.2.1.4	Survey PRY legs	12/01/2017		
0%	9.3.2.1.5	Fit south side yoke plates	07/02/2017	(RISK)-(R4)	Inaccuracy of the plates / frame setup
0%	9.3.2.1.6	South side SS return yoke installation complete	07/02/2017	(RISK)-(R3)	Additional machining or replacement of parts
0%	9.3.2.2	<b>South PRY Frame Legs - RFCC</b>	19/04/2017		
0%	9.3.2.2.1	Survey Floor & PRY legs	14/02/2017		
0%	9.3.2.2.2	Cut shim	20/02/2017		
0%	9.3.2.2.3	Install frame legs (inc drilling plates)	16/03/2017	(RISK)-(R4)	Inaccuracy of the frame / floor drilling
0%	9.3.2.2.4	Survey PRY legs	24/03/2017		
0%	9.3.2.2.5	Fit south side yoke plates	19/04/2017	(RISK)-(R4)	Inaccuracy of the plates / frame setup
0%	9.3.2.2.6	South side RFCC return yoke installation complete	19/04/2017	(RISK)-(R3)	Additional machining or replacement of parts
0%	9.3.2.4	<b>North PRY Frame Legs - RFCC</b>	05/02/2018		
0%	9.3.2.4.1	Survey Floor & PRY Legs	04/12/2017		
0%	9.3.2.4.2	Cut shim	07/12/2017		
0%	9.3.2.4.3	Install frame legs (inc drilling plates)	03/01/2018	(RISK)-(R4)	Inaccuracy of the frame / floor drilling
0%	9.3.2.4.4	Survey PRY legs	10/01/2018		
0%	9.3.2.4.5	Fit North side yoke plates	05/02/2018	(RISK)-(R4)	Inaccuracy of the plates / frame setup
0%	9.3.2.4.6	North side RFCC return yoke installation complete	05/02/2018	(RISK)-(R3)	Additional machining or replacement of parts
0%	9.3.4	<b>RFCC #1 Installation</b>	24/11/2017		
0%	9.3.4.1	Install RFCC rail system	25/04/2017		
0%	9.3.4.2	Install RFCC supports to floor	08/05/2017		
0%	9.3.4.3	Install RFCC into position	25/05/2017	(RISK)-(R4)	Expert Personnel not available
0%	9.3.4.4	Check tuning of all cavities at low power	14/06/2017		
0%	9.3.4.6	Evacuate cavities and chambers	12/07/2017	(RISK)-(R4)	Leaks found in cavity / chamber
0%	9.3.4.8	Bake cavities and chamber	23/08/2017	(RISK)-(R3)	Longer baking required to achieve specified vacuum level
0%	9.3.4.9	Build X-ray shields	11/09/2017	(RISK)-(R3)	Additional X-ray shield required
0%	9.3.4.10	Test cavities with zero magnetic field	27/10/2017	(RISK)-(R3)	Testing requires a longer amount of time
0%	9.3.4.11	RFCC #1 Installed - Cavity conditioning with NO B-Field complete	27/10/2017		
0%	9.3.4.12	Cooldown RFCC #1	24/11/2017	(RISK)-(R2)	RFCC will not cool to specified level and interaction required
0%	10	MICE step V installation complete	05/02/2018	(RISK)-(R2)	Delay due to currently non-critical items reaching critical path
0%	11	<b>Commissioning</b>	01/05/2018		
0%	11.1	<b>Cooling Channel magnet tests</b>	28/03/2018	(RISK)-(R2)	Commissioning of the channel is an unknown
0%	11.2	<b>RFCC Testing</b>	01/05/2018		
0%	11.2.2	Test and condition cavities, with B field, 1MW	01/05/2018	(RISK)-(R2)	Additional testing time required
0%	11.2.3	RF cavity testing complete	01/05/2018		
0%	11.2.4	Combined magnet and operational tests complete	01/05/2018	(RISK)-(R2)	Delay due to currently non-critical items reaching critical path