

%	WBS	Task Name	Finish	Risks Level	Risk Impact
0%	4	End of STEP IV Operations	01/04/2016	(RISK)-(R3)	Additional data runs required to complete matrix
0%	7	Step IV De-Commissioning	01/08/2016		
0%	7.1	Tracker Systems	15/04/2016		
0%	7.1.1	Disconnect Northside Waveguides	11/04/2016	(RISK)-(R5)	Expert Personnel not available
0%	7.1.3	Disconnect Southside Waveguides	11/04/2016	(RISK)-(R5)	Expert Personnel not available
0%	7.1.4	Move South side Tracker Cryostats to R9	15/04/2016		
0%	7.2	TOF, KL & EMR	29/04/2016		
0%	7.2.1	Remove TOF1 & KL & EMR	26/04/2016	(RISK)-(R5)	Expert Personnel not available
0%	7.2.2	Move TOF, KL & EMR to R9	29/04/2016		
0%	7.3	Partial Return Yoke	01/08/2016		
0%	7.3.1	Remove North side PRY	18/05/2016	(RISK)-(R5)	Lifting equipment missing / damaged
0%	7.3.3	Remove South side PRY	21/07/2016	(RISK)-(R5)	Lifting equipment missing / damaged
0%	7.3.5	Remove Downstream underfloor supports	01/08/2016	(RISK)-(R5)	Lifting equipment missing / damaged
0%	7.3.6	PRY Material removed from the Hall	01/08/2016		
0%	7.4	Magnets	04/07/2016		
0%	7.4.1	Disconnect all magnet cooling lines, instrumentation and power	15/06/2016	(RISK)-(R4)	Expert Personnel not available
0%	7.4.2	Move Upstream Spectrometer Solenoid magnet to R9	22/06/2016	(RISK)-(R5)	Expert Personnel not available
0%	7.4.3	Move Downstream Spectrometer Solenoid magnet to R9	28/06/2016	(RISK)-(R5)	Expert Personnel not available
0%	7.4.4	Move Focus Coil Magnet to R9	04/07/2016	(RISK)-(R5)	Expert Personnel not available
0%	7.4.5	All Channel Magnets moved out of the Hall	04/07/2016	(RISK)-(R4)	Expert Personnel not available
0%	7.5.1	Disconnect transfer line, cooling and instrumentation	27/05/2016	(RISK)-(R5)	Expert Personnel not available
0%	7.5.2	Move Absorber and transfer line to R9	01/06/2016		
0%	7.6	Step IV De-Commissioning Complete	01/08/2016		
0%	8	Hall Civil Engineering	22/11/2016		
0%	8.1	Access Ramp and Door	22/11/2016		
0%	8.1.1	Hall door re-design for RFCC access	01/08/2016	(RISK)-(R4)	Design approval signoff
0%	8.1.2	Modify Door & Ramp for RFCC installation (During ISIS SD or no beam)	22/11/2016	(RISK)-(R4)	Contractor late completion / problems found during floor cut
0%	8.1.3	Scaffolding for Electrical services access	05/08/2016		
0%	8.1.4	Move of Electrical Services away from main door	20/10/2016	(RISK)-(R4)	Problems found during work
0%	8.2.2	Erect scaffolding for access to South Mezz	10/08/2016		
0%	8.2.3	Make changes to South Mezz	07/09/2016	(RISK)-(R4)	contractor unavailable
0%	8.2.4	Load test / Inspection sign off	08/09/2016	(RISK)-(R5)	loadtest materials
0%	8.3	Hall Civil Engineering Complete	20/10/2016	(RISK)-(R4)	Contractor Delays
0%	9.3	MICE Step V Installation	21/05/2018		
0%	9.3.1	Step V Base plate installation	13/03/2017		
0%	9.3.1.1	Remove step IV false floor plates	26/10/2016		
0%	9.3.1.7	Install base plate - RFCC #1	28/12/2016	(RISK)-(R3)	Rework required
0%	9.3.1.12	Install base plate - AFC #2	31/01/2017	(RISK)-(R3)	Rework required
0%	9.3.1.17	Install base plate - Spectrometer Solenoid Downstream	06/03/2017	(RISK)-(R3)	Rework required
0%	9.3.1.18	Install through bolts and survey, level and tighten the complete arrangement	13/03/2017		
0%	9.3.2	Return Yoke	21/05/2018		
0%	9.3.2.1	South PRY Frame Legs - SS	23/05/2017		
0%	9.3.2.1.1	Survey Floor & PRY legs	20/03/2017		
0%	9.3.2.1.2	Cut shim	24/03/2017		
0%	9.3.2.1.3	Install frame legs (inc drilling plates)	19/04/2017	(RISK)-(R4)	Inaccuracy of the frame / floor drilling
0%	9.3.2.1.4	Survey PRY legs	27/04/2017		
0%	9.3.2.1.5	Fit south side yoke plates	23/05/2017	(RISK)-(R4)	Inaccuracy of the plates / frame setup
0%	9.3.2.1.6	South side SS return yoke installation complete	23/05/2017	(RISK)-(R3)	Additional machining or replacement of parts
0%	9.3.2.2	South PRY Frame Legs - RFCC	02/08/2017		
0%	9.3.2.2.1	Survey Floor & PRY legs	30/05/2017		
0%	9.3.2.2.2	Cut shim	05/06/2017		
0%	9.3.2.2.3	Install frame legs (inc drilling plates)	29/06/2017	(RISK)-(R4)	Inaccuracy of the frame / floor drilling
0%	9.3.2.2.4	Survey PRY legs	07/07/2017		
0%	9.3.2.2.5	Fit south side yoke plates	02/08/2017	(RISK)-(R4)	Inaccuracy of the plates / frame setup
0%	9.3.2.2.6	South side RFCC return yoke installation complete	02/08/2017	(RISK)-(R3)	Additional machining or replacement of parts
0%	9.3.2.4	North PRY Frame Legs - RFCC	21/05/2018		
0%	9.3.2.4.1	Survey Floor & PRY Legs	19/03/2018		
0%	9.3.2.4.2	Cut shim	22/03/2018		
0%	9.3.2.4.3	Install frame legs (inc drilling plates)	18/04/2018	(RISK)-(R4)	Inaccuracy of the frame / floor drilling
0%	9.3.2.4.4	Survey PRY legs	25/04/2018		
0%	9.3.2.4.5	Fit North side yoke plates	21/05/2018	(RISK)-(R4)	Inaccuracy of the plates / frame setup
0%	9.3.2.4.6	North side RFCC return yoke installation complete	21/05/2018	(RISK)-(R3)	Additional machining or replacement of parts
0%	9.3.4	RFCC #1 Installation	09/03/2018		
0%	9.3.4.1	Install RFCC rail system	08/08/2017		
0%	9.3.4.2	Install RFCC supports to floor	21/08/2017		
0%	9.3.4.3	Install RFCC into position	07/09/2017	(RISK)-(R4)	Expert Personnel not available
0%	9.3.4.4	Check tuning of all cavities at low power	27/09/2017		
0%	9.3.4.6	Evacuate cavities and chambers	25/10/2017	(RISK)-(R4)	Leaks found in cavity / chamber
0%	9.3.4.8	Bake cavities and chamber	06/12/2017	(RISK)-(R3)	Longer baking required to achieve specified vacuum level
0%	9.3.4.9	Build X-ray shields	25/12/2017	(RISK)-(R3)	Additional X-ray shield required
0%	9.3.4.10	Test cavities with zero magnetic field	09/02/2018	(RISK)-(R3)	Testing requires a longer amount of time
0%	9.3.4.11	RFCC #1 Installed - Cavity conditioning with NO B-Field complete	09/02/2018		
0%	9.3.4.12	Cooldown RFCC #1	09/03/2018	(RISK)-(R2)	RFCC will not cool to specified level and interaction required
0%	10	MICE step V installation complete	21/05/2018	(RISK)-(R2)	Delay due to currently non-critical items reaching critical path
0%	11	Commissioning	14/08/2018		
0%	11.1	Cooling Channel magnet tests	11/07/2018	(RISK)-(R2)	Commissioning of the channel is an unknown
0%	11.2	RFCC Testing	14/08/2018		
0%	11.2.2	Test and condition cavities, with B field, 1MW	14/08/2018	(RISK)-(R2)	Additional testing time required
0%	11.2.3	RF cavity testing complete	14/08/2018		
0%	11.2.4	Combined magnet and operational tests complete	14/08/2018	(RISK)-(R2)	Delay due to currently non-critical items reaching critical path