

Schedule considerations

MICE to Step IV:

- Schedule shows “Step IV installation complete” Jun13:
 - Taking this as a constraint
- Installation of solenoids etc. starts Sep13 to meet the Jun14 deadline:
 - Already under pressure to deliver stray-field mitigation solution in time
 - Pressure will continue to grow (welcome!)

Stray field mitigation for Step IV:

- Baseline:
 - Compressors at West Wall
 - Rack Room 2; appropriate local shielding
- Mitigation of risk that there is a “gottcha” in the baseline:
 - Partial return yoke

Field mitigation schedule:

- “Racks behind north magnetic shield wall”:
 - Ready to go, now prefer Rack Room 2 solution
- Compressors at West Wall:
 - Detailing underway
 - Paper to TB before CM35
 - Expedite move to implementation as far as possible
- MLCR upgrade and Rack Room 2:
 - Expedite completion of specification and design
 - Move to implementation as soon as possible

Task Name	Start	2010	2011	2012	2013	2014	2015
		Q2Q3Q4	Q2Q3Q4	Q1Q2Q3Q4	Q2Q3Q4	Q2Q3Q4	Q2Q3Q4
Solid Lithium Hydride absorber at Fermilab	Mon 15/02/10	◆ 15/02					
LH2 absorber #1 at RAL (KEK)	Fri 01/07/11		◆ 01/07				
Diffuser	Wed 15/08/12				◆ 15/08		
Diffuser delivered to RAL	Wed 15/08/12				◆ 15/08		
LH2 absorber #2 at RAL (KEK)	Fri 28/09/12				◆ 29/09		
FC module #1 at RAL	Wed 31/10/12				◆ 31/10		
FC module #1 at RAL	Wed 31/10/12				◆ 31/10		
Heater/Chiller Unit Delivery to RAL (sys B)	Mon 05/11/12				◆ 05/11		
AFC #1 installed in R9 ready for field mapping	Tue 25/12/12				◆ 25/12		
AFC installed in R9 ready for field mapping	Tue 25/12/12				◆ 25/12		
AFC #1 field mapping in R9 complete	Tue 08/01/13				◆ 08/01		
Waveguides & dummy loads system #1 delivered	Wed 16/01/13				◆ 16/01		
Waveguides & dummy loads system #2 delivered	Wed 16/01/13				◆ 16/01		
AFC #1 ready for installation in MICE Hall	Thu 17/01/13				◆ 17/01		
Hydride Bed Delivery to RAL (sys B)	Mon 28/01/13				◆ 28/01		
Amplifier system #1 Delivered	Mon 04/03/13				◆ 04/03		
Focus coil magnet measured in step IV position	Mon 11/03/13				◆ 11/03		
FC module #2 at RAL	Mon 18/03/13				◆ 18/03		
FC module #2 at RAL	Mon 18/03/13				◆ 18/03		
Amplifier#1 installation complete	Mon 18/03/13				◆ 18/03		
EMR at RAL final delivery	Fri 29/03/13				◆ 29/03		
AFC #1 magnet measured in step IV position	Thu 09/05/13				◆ 09/05		
Spectrometer Solenoids (Tracker)	Fri 23/08/13				◆ 23/08		
Upstream Solenoid arrives at RAL	Fri 23/08/13				◆ 23/08		
Downstream Solenoid arrives at RAL	Fri 23/08/13				◆ 23/08		
Amplifier system #2 Delivered	Wed 02/10/13				◆ 02/10		
Upstream Spectrometer Solenoid & Virostek plate Installation Comp	Fri 04/10/13				◆ 04/10		
Amplifier#2 installation complete	Wed 16/10/13				◆ 16/10		
Heater/Chiller Unit Delivery to RAL (sys C)	Mon 21/10/13				◆ 21/10		
Spectrometer Solenoid (Upstream) magnet measured in step IV pos	Mon 25/11/13				◆ 25/11		
Downstream Spectrometer Solenoid Installation Complete	Mon 23/12/13				◆ 23/12		
Hydride Bed Delivery to RAL (sys C)	Mon 06/01/14				◆ 06/01		
Upstream Tracker & Solenoid Installation complete	Fri 31/01/14				◆ 31/01		
Upstream Tracker & Solenoid Installation complete	Fri 31/01/14				◆ 31/01		
Spectrometer Solenoid (Downstream) magnet measured in step IV	Tue 11/02/14				◆ 11/02		
Tracker #1 Installation complete	Fri 18/04/14				◆ 18/04		
MICE step IV installation complete	Wed 04/06/14				◆ 04/06		
MICE step IV installation complete	Wed 04/06/14				◆ 04/06		

Strengthening the team:

- Modeling: M. George (Imperial), K. Marinov (DL)
- Design: G. Barber (Imperial), L. Fry (RAL)