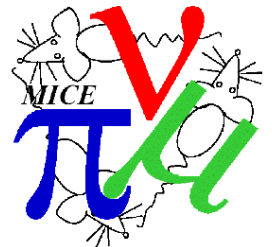




Project Managers Report

CM38 Collaboration Board – Napa

Roy Preece
25th February 2014





Content

- LHe requirements and Logistics
- Plan to bring up magnets
- No Field operations



LHe and Logistics



- **The 5 weeks assigned for *EACH* Spectrometer Solenoid training period**
 - Assumes that around 15 quenches will be needed for each Solenoid
 - This number of quench runs will require around eight 500L Dewers of LHe
- **The 5 weeks assigned for combined magnet training period**
 - Assumes that around 10 quenches will be needed to bring the channel up to operating current
 - This number of quench runs will require around thirteen 500L Dewers of LHe
- **If the Focus Coil is allowed to warm to room temperature retraining will be required**
 - Assumes that around 10 quenches will be needed to bring the channel up to operating current
 - An additional 5 weeks not currently in the schedule
 - This number of quench runs will require around 500L Dewers of LHe
- **Logistics of getting the LHe on site will be difficult and very expensive**
 - Around £3k per Dewer – could be upto £100k
 - During the combined testing we will need two Dewers delivered every day
 - There will be times when the delivery of LHe will not occur
 - The people needed on site during a very intensive period



LHe and Logistics



- **How do we gain a more accurate estimate of quenches?**
- **Need to start interaction with BOC, the main supplier, to ascertain logistics chain**
 - **Gain the bounds that they can deliver**
 - **Any planned price rises** (*there's always going to be inflation*)
 - **Any pinch points through the year?**
 - **Large users?**
 - **Single large delivery to a ~10,000L rental Dewar?**



Plan to bring up the magnets



- **We need a plan to feed into then schedule and define**
 - Logistics
 - Budget
 - Personnel
- **Jaroslav will be leading the definition of the method.**
 - Expert working group
 - Magnet experts, Operations team, Planning team
- **Holger has suggestion for how to do this.**
 - Probably a good starting point
- **The plan will feed back into cost and logistical analysis**



No Field Operations



ID	% C	Description	Start	End	Duration
Shipping					
		Return Yoke	Mon 05/10/09	Wed 08/10/14	1307 days
		Return Yoke	Tue 15/07/14	Tue 15/07/14	1 day
		South side yoke material delivered	Tue 15/07/14	Tue 15/07/14	1 day
Installation					
		Infrastructure	Mon 01/09/08	Tue 24/02/15	1676 days
		Infrastructure	Mon 01/09/08	Wed 26/11/14	1611.43 days
		West Wall Mezz & Compressors	Mon 28/01/13	Fri 10/10/14	429 days
		Compressor Installation & Commissioning	Mon 04/03/13	Fri 10/10/14	404 days
		Run high pressure hoses x 2 + power cable	Wed 03/09/14	Tue 23/09/14	15 days
		MICE Step IV Installation	Mon 01/09/08	Tue 24/02/15	1676 days
		Return Yoke	Wed 16/07/14	Tue 04/11/14	80 days
		Install south side return yoke	Wed 16/07/14	Tue 12/08/14	20 days
		Fit Yoke mount services management	Wed 13/08/14	Tue 19/08/14	5 days
		Fit South Mezz front edge	Wed 20/08/14	Tue 02/09/14	10 days
		South side return yoke installation complete	Tue 02/09/14	Tue 02/09/14	0 days
		Install north side return yoke	Wed 08/10/14	Tue 04/11/14	20 days
		North side return yoke installation complete	Tue 04/11/14	Tue 04/11/14	0 days
		AFC - Focus coil for step IV	Wed 24/09/14	Mon 22/12/14	64 days
		AFC#1 Installation	Wed 24/09/14	Fri 07/11/14	33 days
		Installation, survey & alignment of AFC#1	Wed 24/09/14	Tue 07/10/14	10 days
		Upstream SS magnet training - (5wks training)	Wed 05/11/14	Tue 09/12/14	5 wks
		Downstream SS magnet training - (5wks training)	Wed 10/12/14	Tue 13/01/15	5 wks
		Combined magnet operation	Wed 14/01/15	Tue 17/02/15	5 wks
		Combined magnet operational tests complete - milestone	Tue 17/02/15	Tue 17/02/15	0 days
		Re-install TOF2, KL, EMR	Wed 18/02/15	Tue 24/02/15	5 days
		MICE step IV installation complete	Tue 24/02/15	Tue 24/02/15	0 days

- Installation of the PRY precludes operation with no field.
- ISIS user run ends early August
- **Highly unlikely that a no-field operation during the ISIS beam on time will occur.**

