

MICE Commissioning

- ▶ Plans to September 2015
- ▶ MOM
- ▶ Shifts

Plans to Sept 2015

User Period	Start Date	End date
1	17/3/2015	24/4/2015
2	2/6/2015	24/7/2015
3	8/9/2015	16/10/2015
4	3/11/2015	18/12/2015
1	?	?

October 2014 – February 2015 : ISIS off

March 2015 – June 2015 : ISIS on but Step IV installation has priority

July 2015 – August 2015 : Channel commissioning

Oct 2014 – Feb
2015

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- ▶ No beam available
- ▶ Installation has priority
 - ▶ Tracker DAQ and Controls commissioning
 - ▶ Test of control room operations
 - ▶ Mock data run
 - ▶ Activation run (sometime in late Feb)
- ▶ All of these are considered to be expert-only runs

Mock Data Run

- ▶ Full test of data pathway.
- ▶ All available subdetectors will be on and integrated into the DAQ
- ▶ All subdetectors will be read out as if in beam (of course we will only readout noise)
- ▶ Nominal date for test is January 21st, 2015
- ▶ The preceding week will be used to test each subdetector individually
- ▶ Subdetector, online, DAQ and computing experts are requested to be present for this week.
- ▶ Further planning will occur in November and December

Mar 2015 – June
2015



- ▶ ISIS beam available for special runs subject to installation project
e.g. Calibration, alignment, pid, beamline precommissioning
- ▶ Run requests will be made with the beam request form and runs scheduled where they can be subject to other activities in the Hall (although see next slide)
- ▶ Given uncertain schedule run requesters will have to supply their own shift personnel except for the beamline pre-commissioning period.
- ▶ Expert support will be available from the expert list.
- ▶ Subdetector groups should roster experts from March.
- ▶ BLOCs, SOCs etc will be needed (at least rostered) from March

Beamline pre-commissioning

This is the major activity during this period

Would be useful to schedule other runs (e.g. tracker alignment, TOF calibration etc) around it.

Good test of taking beam data with all detectors in which case experts for all subsystems should be available for about a week.

Will need to schedule shifters for this time as well.

June 2015 – Sep
2015



- ▶ ISIS User run period 2 has been reserved for cooling channel commissioning.
- ▶ The cooling channel commissioning team (Jaroslaw et al) is in charge of time allocation in this period.
- ▶ Shifters may be needed during this period. The full shift system will be in operation from June 2015.
- ▶ Running is nominally 24/7 depending on (i) the requirements of the commissioning team and (ii) available manpower
- ▶ Shifts in this period may be intermittent. Shifts may be cancelled or shortened. Full shift credit will be given regardless.
- ▶ The MOM, in discussion with Jaroslaw and the magnet commissioning team, will decide what shifts are needed each day.

MOM

- ▶ The MICE Operations Manager post has been in abeyance whilst ISIS has been down.
- ▶ I would like to start this up again on Jan 4th 2015
- ▶ We will need experienced MOMs in Jan and Aug. Those who would like to volunteer to be MOM should talk with me
- ▶ The MOM will serve for 4 weeks, with a 3 day overlap with the next MOM.
- ▶ MOMs attract shift credit for each day they act as MOM, and will be considered first for talks and posters.

Volunteer

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Shifts

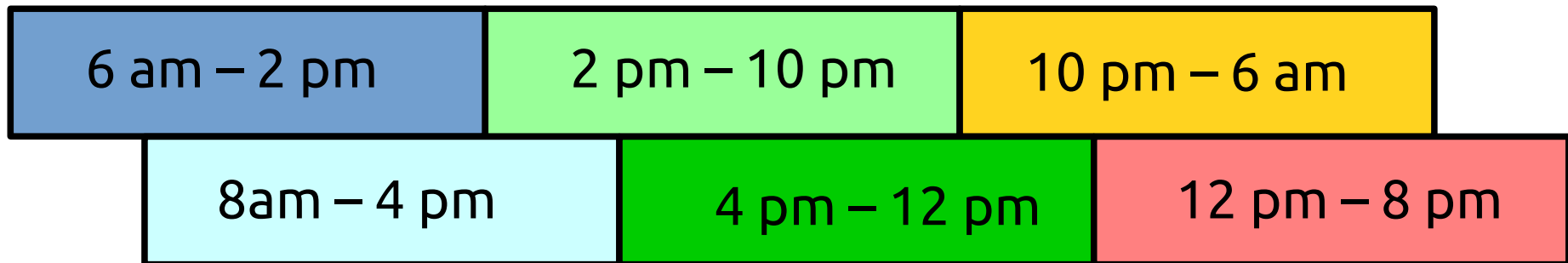
Regular shifts will begin in the June commissioning run

Will be managed by Paul Kyberd using the new MICE shift allocation tool (see Jan's talk)

Paul will contact all CB members, and through them, their group members to ensure that they are signed up to the shift system.

24/7 Shift Pattern

In NOMAD we ran shifts staggered by 2 hours



Pattern maintains run memory – there is always someone on shift who knows what has happened in the last couple of hours

Summary

- ▶ We are starting the not-so-long ramp up to stable operations
- ▶ This is going to be a complicated period with fluctuating running and personnel requirements
- ▶ One of the most important positions is the MOM. Please volunteer if you can – some periods will require experienced MOMs – but others could be considered a good training opportunity

Functionality

- ▶ Shift calendar and sign-up
- ▶ List of open shifts with sign-up
- ▶ List of shifts for a given day and the following 2 weeks with contact details for all shifters on duty during the time
- ▶ List of shifts taken by institution
- ▶ List of shifts taken by name
- ▶ Shift swapping
- ▶ Email notification of up-coming shifts
- ▶ Institution and Collaborator list
- ▶ User profile that is maintained by the user
- ▶ Find user by contents of “Current activities” and “Past activities”
- ▶ List of publications of the collab (not yet implemented)