

Tracking milestones for the completion of the MICE project

The resource loaded schedule for the completion of the MICE project prepared for the RLSR Panel and MPB November 2014 review is presented in [1]. An appropriate set of milestones to be used to track the progress of the project in a revised dashboard have been extracted from the schedule to completion presented in figure 2, the milestone waterfall chart in [1], and the MS Project files that can be found at <http://micewww.pp.rl.ac.uk/projects/mipo-doc/wiki>.

It had been the intention to present the revised dashboard, and the tracking milestones, to the RLSR panel in the Project Manager's talk on Monday 24th November 2014. Recently, a request has been made to present the proposed tracking milestones and revised dashboard in a dedicated paper in advance of the RLSR.

Tracking milestones

The tracking milestones are presented in the table. A total of nine new milestones (milestone Ids 9 to 17) have been identified and are presented together with the outstanding milestones to the completion of Step IV construction. Following the completion of Step IV, the implementation of the cooling-demonstration configuration starts with the end of Step IV data taking (milestone Id 9). The schedule presented in [1] assumes that data taking will end at the end of UK financial year 2017/18. The period for data taking will be the subject of grant requests that have yet to be prepared. This means that the final milestone "End of data taking in the cooling-demonstration configuration" may be revised after discussion.

Id	Milestone	Date
Step IV		
1	Compressors ready for cooling channel tests	29th January 2015
2	Rack Room Complete	2nd February 2015
3	South side yoke material delivered	16th March 2015
4	South side return yoke installation complete	1st April 2015
5	North side yoke material delivered	28th April 2015
6	North side return yoke installation complete	14th May 2015
7	MICE Step IV installation complete	2nd June 2015
8	Combined magnet operational tests complete	11th August 2015
9	End of Step IV Data taking	1st June 2016
Cooling demonstration		
10	Step IV De-Commissioning complete	22nd July 2016
11	RF Amplifier delivered	31st August 2016
12	Installation of PRY South starts	14th December 2016
13	Installation of the RF Cavities and Chambers starts	19th January 2016
14	PRY, Magnet and Cavity installation complete	1st February 2017
15	Cooling Demonstration construction complete	24th March 2017
16	Cooling Demonstration commissioning complete	2nd May 2017
17	End of data taking in the cooling-demonstration configuration	31st March 2018

References

- [1] The MICE International Project Office, "Resource Loaded Schedule, costs and risks for the completion of the MICE project." <http://micewww.pp.rl.ac.uk/documents/107>, 2014.