

MAP Program Management Group
Meeting Minutes
Thursday, December 16, 2010
3:00 p.m. Central Standard Time

Spectrometer Solenoid Status

Zisman gave a brief update. Our proposed plan, being developed jointly with MICE management is as follows:

1. Virostek will assemble responses to the MICE Review Committee by January 7, 2011.
2. These will be reviewed by the MAP Technical Board during the week of January 10 and then sent to the MICE Technical Board for its approval.

The goal is to have a plan agreed to prior to the MICE Funding Agency Committee review on January 21.

Henderson noted that we need to update DOE on our plans. Zisman will provide a written summary that Henderson can send to DOE as a heads-up.

MTA Planning for Initial Beam Activities

Yağmur Torun presented the status of MTA plans for first beam.

- Detectors are being tested in the next few weeks, and the DAQ system is being readied to support the new electronics and additional signal cables. DAQ testing will commence next week during recommissioning of the pillbox cavity. All should be ready by the end of December.
- Additional sensors to monitor the MTA environment (temperature, humidity, air flow, moisture levels,..) are mainly available but need installation.
- Cryo work is needed to replace two leaking valves and to carry out a system reconfiguration that addresses the condensation problem. This is a two week job. It would be convenient to do this task now, if possible, but it is not on the critical path to getting beam in mid-January and could be postponed.
- The refurbished 805-MHz pillbox is ready for testing. After alignment and calibration, it will be ready to power next week.
- There are a few minor issues that would benefit from PMG involvement. First, there is a problem getting shop priority for the electronics rack door modifications and the beam pipe extension.
- There is a concern that recent retirements will affect MTA operations. It was suggested that Bob Mau's replacement be asked to attend MTA meetings. Torun will request this.
- In the longer term, preparations for the arrival of the coupling coil will require significant resources and should be monitored by the PMG.

- For the beam run, the goal is to test the HPRF cavity. The schedule presented was compatible with a start of testing in mid-January 2011.
- The SAD was sent to Torun today and he needs to review it. The radiation assessment is under way but there is a bit more to do. The status of the ORC was unclear.

Tom Kobilarcik reported on the status of the beam line.

- Beam was sent to the first absorber in November with acceptable losses. This month, magnet polarities have been verified and a problem that caused trips of the trim magnets was investigated.
- The shielding assessment has been signed off by the 7th Floor. The safety assessment needs to be approved by the SAD review committee and then the Directorate, after which it goes to DOE for approval. The latter step may take one month. As noted, comments on the SAD from AD/Safety have been returned to the experiment for review.
- Still to do are installing the remaining shielding, polarity checks of the MTA magnets, modification of the second absorber, and installation of multiwire 6. All of these should be complete by the end of December. Thus, with the possible exception of the SAD, it looks like we can make the mid-January deadline.

In the discussion that followed, the request was made to have a checklist or procedure to follow. John Anderson has been asked by Roger Dixon to do this, and hopefully to steer MAP staff through the process. Katsuya Yonehara is writing the required documents, in consultation with AD/Safety. It was agreed that Anderson should be invited to report on progress at the next PMG meeting.

Since there seems to be a problem getting the work done in the Fermilab shop, the possibility of going to an outside shop for the fabrication was raised. First step is to see whether the matter can be resolved in-house.

Action Items

- 2.1 Assess cryo group resources and conflicts to see whether needed MTA work can be done prior to first beam. [Apollinari/Dixon]
- 2.2 Assess shop priorities and identify conflicts to getting the MAP work completed in-house. [Apollinari]
- 2.3 Invite Anderson to January PMG to summarize where we are with safety sign-offs. [Geer]