

Notes from the 11/07/06 MI BPM Upgrade Meeting
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These notes can be found in Beams docDB #1526.

Agenda as announced:

- Fixes for turn delay of 0.
- Diagnostic application status
- FLASH sample status.
- Transition board controller status.
- AOB.

0. Announcements.

- No meeting November 14. We will decide later on when the next meeting will occur. The next one may be the last of the MI BPM meetings. Work can continue, of course, but the project itself and the formal meetings associated with it will end.

- The MOU for operations support has been completed and signatures from Roger Dixon and Vicky White are being obtained.

1. MI BPM status - Dave Capista

- The system is working well. There are a few last things that are being worked on. Some of the changes are installed and tested, some are installed but need a few more changes, some need to be tested with pbars.

2. Fixes for turn delay of 0. FLASH sample status - Steve Foulkes

- Based on discussions at the last meeting about bucket delays, board delays, turn delays, etc. changes were made to allow more flexibility in the setting of timing. When the changes were made and were being tested it was found that the turn delays of 0 and 1 had the same meaning. This is not intuitive and was difficult to debug.

- For now a turn delay of 0 is and 1 are handled differently and this needs to be and will be documented. The system should now have the flexibility needed for the operation of the MI.

- The FLASH sample is working and probably needs a bit more testing, especially with pbars.

3. Diagnostic application status - Brian Hendricks, Steve Foulkes

- There is work to do to debug the diagnostics application. Data is being generated by

the test and the front-end and being passed along but there are some issues of how the data is being used by the application. Work will continue to check that the raw data is correct and that the application program's use of the data is consistent. Brian will be working with Steve and Bob West. Manfred and Marv are interested in having a good diagnostic application as soon as possible.

4. Transition board controller status - Stefano

- Stefano is finishing up work on diagnostics and documentation. Estimated finish is mid-November. No major changes since the last meeting. The new firmware will be tested at FCC and then all cards will be upgraded (coordinated with Dave and the MI people of course). The spare cards will go to Marv/Andrea in the Instrumentation Department. Stefano will keep one card.

5. AOB

- There is a proposal to have Ming-Jen Yang come to talk about some results of analysis he has done using the new BPMs at the next (last?) MI BPM meeting. This will be pursued.

- Rob Kutschke will complete his analysis of "noise" and will give a list of problematic BPMs along with backing material for the choices.