

Notes from the 05/09/06 MI BPM Upgrade Meeting
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These notes can be found in Beams docDB #1526.

Agenda as announced:

Project Announcements

Thanks for everyone's contributions to Beams Instrumentation
Workshop

Main Injector Status - Dave C.

Hardware status:

Transition Board: delivery, checkout and testing.

Transition Board controller status

Timing Board

Cables, crates, backplanes, other.

Software status:

Front-end software

Online software

Status of full system tests - Bill Haynes

Installation and Commissioning

Validation

AOB

0. Project Announcements

- The three posters for the Beams Instrumentation Workshop were well-received. Thank you to everyone who helped on the posters and the papers. It was good work all around.

1. MI Status - Dave Capista

- Dave brought us up to date on the MI8 and MI work. Most of the work is completed or is in the final phases of completion. Some startup work will happen very soon.

- The order for BPM commissioning is MI40 (completion of that building) and then MI30. The remaining order is yet to be determined.

- The BLM installation schedule is not yet known. Some of the electronics is being delivered fairly soon. We will have to catch up with the BLM project to discuss installation issues relevant to both projects.

- The survey offsets and scaling need to change for the new quads. For the startup one plane of each quad will be connected to the old electronics.

- The current schedule shows that the MI startup is during the week of May 15. Possible beam in the MI around May 23. First chance of MI BPM commissioning around June 1.

2. Hardware status:

Transition Board: delivery, checkout and testing.

Transition Board controller status

Timing Board

Cables, crates, backplanes, other.

- Bob Forster gave a nice report about many of the hardware components. A pdf version of his report can be found in beams-doc-1526. A few highlights:

- Cables are all here.

- Air dam modules are on the way.

- Dawn VME crate firmware has been updated.

- Analog VME crates are being put together. Some work to come up with backplane terminations continues.

- Full systems tests are being planned.

- All transition modules are in hand and testing will start soon (see Manfred's report below)

- Transition Module Testing (Manfred)

- Andrea will finish the test program by then end of this week.

Arrangements need to be made on attaching the filters, checking the filters (or not) before they are soldered on, etc. Details are to be worked out in the next couple of days.

- Transition Module Control Card (Stefano)

- The first circuit boards were received, assembly of the boards is proceeding.

Manfred brought along one completed board and it provides the functionality required. A couple of boards are assembled and work proceeds to assemble the remaining boards. Stefano's slides can be found in beams-doc-1526.

3. Software status:

Front-end software

Online software

- Working on software needed for the system tests as well as any functionality as required.

4. Validation

- Nothing new this week. Rob is working on the data to understand whether an offset or an A/B correction is needed for the cable mismatch corrections.

5. AOB

- Peter Prieto mentioned that a schedule for installation and commissioning should be developed. This could include a list of what needs to be done, what kind of person or persons can accomplish each one, the time necessary, etc. Having this will help plan a smooth installation and commissioning of the final systems.