

MI BPM Project MI BPM TB Control Module Status Report September 26th, 2006

Significant changes are **highlighted**.

MI BPM TB Control Module

Hardware status:

-) 12 Modules assembled and tested.
-) 3 of the modules (MI60S, FCC318, FCC Open Bay) are running new firmware with addressing/read back capabilities.

Firmware status:

-) Completed Transition Board single module addressing and read-back.
-) Diagnostics. Work is (still) in progress.
-) A new (and last?) firmware release will be available when the diagnostic work is completed.

MI BPM TB

Firmware status:

-) Completed Transition Board single module addressing and read back.

INTEGRATION TESTS

- 1) Transition Board ↔ Control module Integration testing. ✓ Completed
- 2) Control Module ↔ Timing Module hardware integration testing. ✓ Completed
- 3) MI60S (!) and FCC Test System are running Transition Boards and Control Module with new firmware.
- 4) Software integration (Steve FOULKES) ✓ Completed

SYSTEM UPGRADE

Since last Thursday (September 21st) MI60S up and running with new firmware.

--- Suggested upgrade procedure ---

- 1) Upgrade one system at the time:
 - a) Update or swap Timing Module
 - b) Apply hardware modification to Control Module
 - c) Update Control Module firmware
 - d) Update Transition Boards firmware.
- 2) Verify system functionality.

Document related to the Control Module are available on the web page:

http://www-ese.fnal.gov/MI_BPM_TB_CTL/