

MI BPM Project
MI BPM TB Control Module Status Report September 19th, 2006

Significant changes are **highlighted**.

MI BPM TB Control Module

Hardware status:

-) 12 Modules assembled and tested.
-) 2 of the modules (FCC318 and 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 in progress.

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Firmware status:

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

INTEGRATION TESTS

- 1) Completed Transition Board ↔ Control module Integration testing.
- 2) Partially completed Control Module ↔ Timing Module hardware integration testing.
TB addressing works correctly.
A change is required in Timing Module firmware in order for the read-back capability to be enabled.
- 3) FCC Test System is running Transition Boards and Control Module with new firmware.
- 4) Software integration (Steve FOULKES) in progress.
Steve reported that TB addressing is working correctly.

NEW SYSTEM COMMISSIONING

- 1) Enable Read-back capability in Timing Module firmware.
- 2) Complete software integration tests.
- 3) 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.
- 4) Verify system functionality.

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

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