

**MI BPM Project**  
**MI BPM TB Control Module Status Report September 12<sup>th</sup>, 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.

**MI BPM TB**

**Firmware status:**

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

**INTEGRATION TESTS**

- 1) Completed Transition Board ↔ Control module Integration testing.
- 2) Prtially 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) started last week.  
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) Updated 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/](http://www-ese.fnal.gov/MI_BPM_TB_CTL/)