# MI BPM Project

## MI BPM TB Control Module Status Report October 3rd, 2006

Significant changes are highlighted.

## MI BPM TB Control Module

### Hardware status:

-) 12 Modules assembled and tested.
-) 6 of the modules (MI60N, MI60S, MI50, MI40, 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.

## SYSTEM UPGRADE

As today MI60N, MI60S, MI50 and MI40 are up and running with new firmware.
Next in line are MI30, MI20, MI10.

--- System Upgrade procedure ---

1) Get the OK from Dave CAPISTA (Andrea SAEWERT)
   and coordinate with the upgrade team:
   Andrea SAEWERT (TBs hardware, calibration),
   Steve FOULKES (software, integration)
   Bill HAYNES (Timing Module)
   Stefano RAPISARDA (Control Module, TB firmware)

2) 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.
3) Verify system functionality.

Document related to the Control Module are available on the web page:
http://www-ese.fnal.gov/MI_BPM_TB_CTL/