

# BPM Alarms

- The system should monitor all external control signals.
  - Tclock present and parity
  - MIBS Clock present and parity
  - RRBS Clock present and parity
  - Booster Extraction Sync present.
  
- Components within the BPM system should be monitored
  - Processor
  - Timing card
  - Echotek cards
  - Transition cards
  - Crate power supplies and temperature.

# Alarm Block Definition

- Channels 1 through 7:
  - External control signals. Clocks and BES
- Channel 8:
  - Processor Status.
- Channel 9:
  - Timing Board Status
- Channels 10 through 19:
  - Echoteks status.
- Channels 20 through 29:
  - Transition modules status
- Channels 30 to 32:
  - Crate Status or Spares.