CSC Track-Finder Configuration & Testing

Boards

Higher level SP02 command panel windows

Java interface to XDAQ-based software framework

e.g. LUT tests have verify feature
Expert Level

Experts can drop down to register level

SP02 Registers

Read/write hex values into individual registers
XDAQ Partitioning

Software Level

- TFGUI
- GUIDriver
  - SOAP Messages
  - I2o Messages
- TFDriver
  - HAL
- SBS (Bit3)

Hardware Level

- PC Level
  - GUI PC (Linux)
  - Network Switch
  - TF PC (Linux)

TrackFinder Crate

Other apps can send messages to here

16 August 2004  Slicetest Meeting  Darin Acosta, University of Florida
The Track-Finder GUI has been extended to include the XDAQ-based run control system for CSC beam tests.

Controls 4 crates:
- 2 Peripheral crates,
- Track-Finder crate,
- TTC crate

DB calls to store configuration parameters

Evolving to become a Slicetest control
2004 Test Beam Configuration

4 CSCs + RPC distributed over two Peripheral Crates
EMU DAQ Commonalities

- EMU RunControl is xDAQ-based
- EMU Read-Out is xDAQ-based
  - Closely following the evolution of the xDAQ framework
    - v1.3 to v2
    - DAQKit-01
- EMU Configuration is XML based
  - ready for dBase integration
- EMU has tested read-out through a prototype CMS-DAQ column
  - at the previous and upcoming test beam
  - close contact with CMS DAQ developers
- EMU will test further integration with HCAL
- EMU believes it is ready to integrate with CMS-DAQ