GCAS Report on Online Control/Monitoring

Device Support Milestones

- Hardware database
  - Simple records
  - Generation of EPICS database from Oracle database
  - Milestone - June 1999
  - On schedule
- HV system
  - EPICS record and device support
  - Control GUI for multiple supplies
  - Milestone - May 15, 1999
  - Ahead of schedule

Device Support Milestones

- Clock System
  - Phase controlled clock
  - Sequencer
  - Selector fanout
  - Milestone - January 1999
  - Phase 0 complete (late)
- Alarm system
  - Modification to EPICS IOC software for alarm broadcast
  - Central alarm distributor
  - Milestone - September 1999
  - Design phase (on schedule)

Device Support Milestones

- Cryogenic controls interface
  - Not started
  - Milestone - ?
- Accelerator controls interface
  - Discussions with BD
  - Milestone - ?

Completed Device Support

- IEEE 1553 bus
- VME bus
- Rack monitor
- Rack monitor interface
- Low voltage power supplies
- SVX sequencer

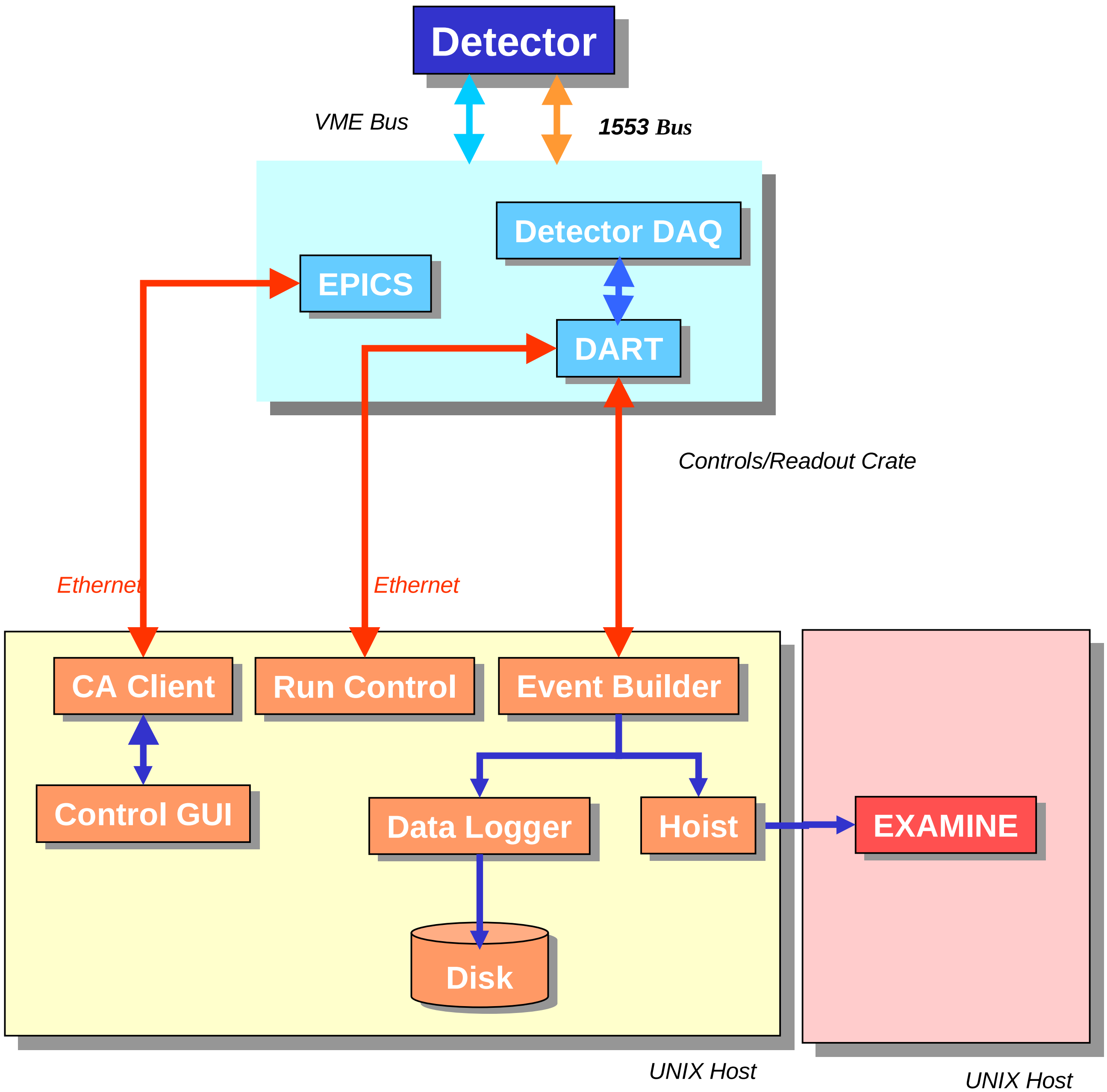
Detector Commissioning

- SMT Detector
  - Test stand support only
  - Milestone - ?
  - Continuing
- ICD detector
  - Milestone - April 1, 1999
  - Phase 0 complete
- Calorimeter detector
  - Waiting for new pulser
  - Milestone - June 1999
  - On schedule

Detector Commissioning

- Muon Detector
  - Milestone - ?
  - Start May 1999
- SciFi Detector
  - Test stand support only
  - Milestone - ?
  - Not started
- Trigger System
  - D0 clock tests
  - Milestone - ?
  - Not started

Old Secondary Data Flow



New Secondary Data Flow