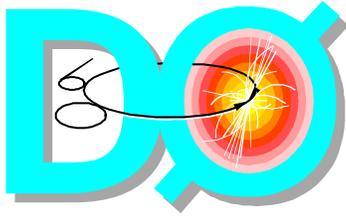


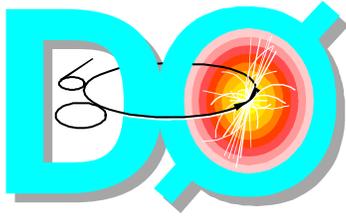
# GCAS Report on Online Control/Monitoring



# Device Support Milestones

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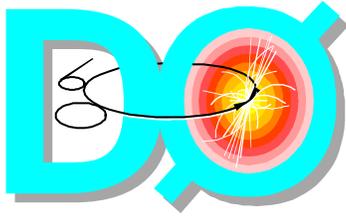
- **Hardware database**
  - ◆ Simple records
  - ◆ Generation of EPICS database from Oracle database
  - ◆ Milestone - June 1999
  - ◆ On schedule
- **HV system**
  - ◆ EPICS record and device support
  - ◆ Control GUI for multiple supplies
  - ◆ Milestone - May 15, 1999
  - ◆ Ahead of schedule



# Device Support Milestones

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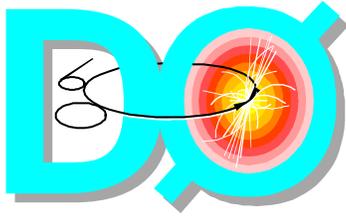
- **Clock System**
  - ◆ Phase controlled clock
  - ◆ Sequencer
  - ◆ Selector fanout
  - ◆ Milestone - January 1999
  - ◆ Phase 0 complete (late)
- **Alarm system**
  - ◆ Modification to EPICS IOC software for alarm broadcast
  - ◆ Central alarm distributor
  - ◆ Milestone - September 1999
  - ◆ Design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



# Device Support Milestones

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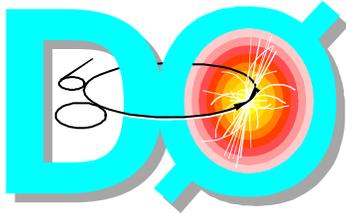
- **Cryogenic controls interface**
  - ◆ Not started
  - ◆ Milestone - ?
- **Accelerator controls interface**
  - ◆ Discussions with BD
  - ◆ Milestone - ?



# Completed Device Support

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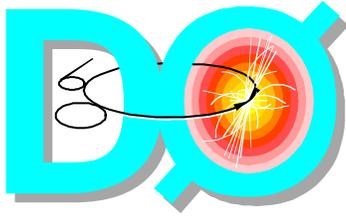
- IEEE 1553 bus
- VME bus
- Rack monitor
- Rack monitor interface
- Low voltage power supplies
- SVX sequencer



# Detector Commissioning

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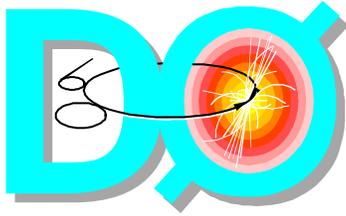
- **SMT Detector**
  - ◆ Test stand support only
  - ◆ Milestone - ?
  - ◆ Continuing
- **ICD detector**
  - ◆ Milestone - April 1, 1999
  - ◆ Phase 0 complete
- **Calorimeter detector**
  - ◆ Waiting for new pulser
  - ◆ Milestone - June 1999
  - ◆ On schedule



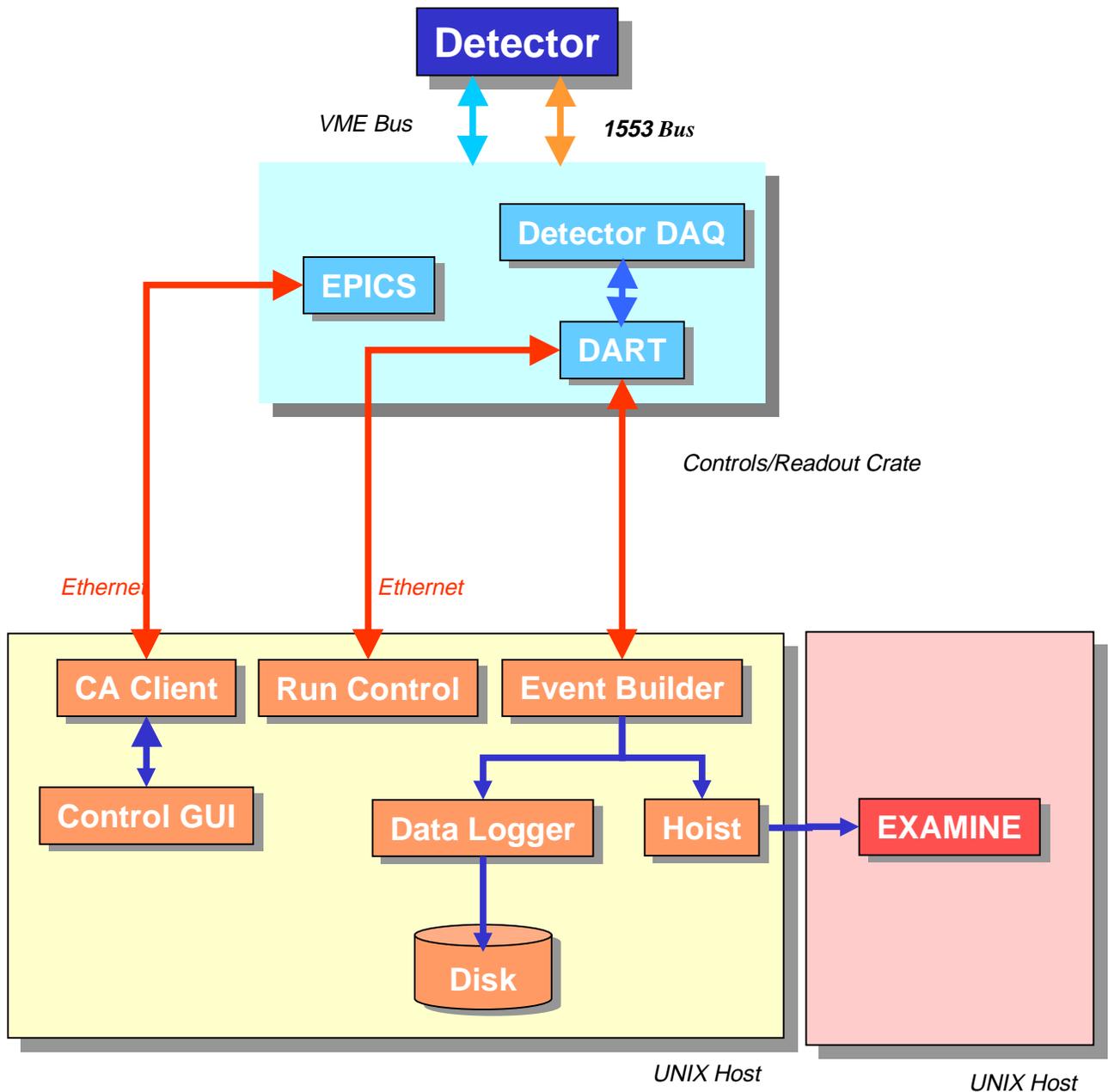
# Detector Commissioning

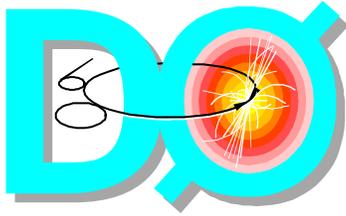
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- **Muon Detector**
  - ◆ Milestone - ?
  - ◆ Start May 1999
- **SciFi Detector**
  - ◆ Test stand support only
  - ◆ Milestone - ?
  - ◆ Not started
- **Trigger System**
  - ◆ DØ clock tests
  - ◆ Milestone - ?
  - ◆ Not started



# Old Secondary Data Flow





# New Secondary Data Flow

