

# Controls - December Plans

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- Hard to predict what would be important during the summer
  - PS post mortem, PSStatus, Gpm
- What will be important next time?
- We have tentative plans.
- Let us know if we have it right!!!

# **Controls Work for December**

## **High Priority Items**

- Power Supplies - WFGs, PS diagnostics (including Post Mortem)
- FEC performance/reliability
- ADO Communication Tools
- Time Stamps / Data Correlation
- Alarm System
- BPM Issues

# Power Supplies

## December goals

- Improved WFG support
  - status reporting, “glitchless” startup
- “MADC style” control of WFG readbacks
  - Post mortem files, time stamps
- High level checking of PS
  - PSStatus, PMView improvements
- Full system testing
- Input from PS group

# **FEC Performance/Reliability**

## **December goals**

- Investigate failure record / correct problems
  - Chronic memory problems on some FECs
- Better recovery after FEC reboot
  - WFGs, event FEC
- Investigate ( & test ) FEC loading by clients
- Refine procedures to track FEC problems

# **ADO Communication Tools**

## **December goals**

- Maintain connections through FEC reboots
- Notification of communication failures
- Fix 'file descriptor' problems
  - only seen in specific applications (e.g. Gpm)

# **Time Stamps / Data Correlation**

## **December goals**

- Finalize plans for providing time stamps/data correlation across systems
- Provide acquisition timestamps for targeted systems
- Update Gpm to retrieve and use acquisition timestamps

# **Alarm System**

## **December goals**

- All FECs to proper release level
- Operations involved in management
- Review systems. Enable more alarms.
- Prevention of alarm "floods"
- Decide on PS alarm mechanisms

# Other Work for December

## Somewhat Lower Priority

- Logging
- MADC
- pet/Gpm/VirtualScope
- Save/Restore  
(integration with Ramp Manager deferred?)
- Loss Monitors
- Permit System
- DB Management
- Vacuum
- WCM, DCCT
- Experiment Support
- Xterm server,  
2 head Xterm