



Development Status of the TPS Control System

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Current Status of the TPS Control System

- Networking is ready now. Mix Cisco N3000/C2960s 40G/10G/1G solution for control network and Mix Cisco N7000/N5000/C2960s 40G/10G/1G for the other facility networking.
- EPICS IOCs with various I/O interfaces
 - cPCI (with timing) ~50, PLC IOCs ~15, Embedded IOC ~12, BPM IOC ~85, CPSC IOC ~113, Miscellaneous IOC ~15
- Servers (NFS, Archive System, Network System, Applications, ...) HP DL380G8/EMC VNX (with PostgreSQL Database)
- Software frameworks
 - EPICS V3, CSS/EDM, MATLAB, LabVIEW, Linux Scripts, PHP,
 - Adopt limited EPICS V4 functionality is in study.



Current Status of the TPS Control System – cont.

- Installation is started from now.
- Fiber links for networking, BPM grouping, timing are ready now!
- All major components of control system are ready for installation.
- Installation complete is expected in the 2nd quarter of 2014.
- System integration is expected during 3rd quarter of 2014.
- Beam commissioning are scheduled in later 2014.

