

CMS ECAL LV Control System performance

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The CMS ECAL Low Voltage system is made of 136 WIENER MARATON power supplies, delivering about 250kW of power to the on-detector electronics. The system is controlled by the PVSS-based Detector Control System (DCS), which communicates with the MATATON local controllers via 11 CANbus brunches. The stability of the 2.5V power, delivered to the Very-Front-End electronics is controlled by the DCU readout, accessible via DAQ - Control Token Ring chain. The setup parameters and the system status has to be read/stored from/to the Detector Configuration/Conditions data bases.

The overall control system performance, as well as the performance of each component will be analyzed. The timing and reliability of the Framework - PVSS-OPC server-Local controller chain will be presented. Connection to the DAQ for the DCU readout and status display will be discussed.

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