

PERFORMANCE MEASUREMENTS OF THE ISAC CONTROL SYSTEM AT TRIUMF

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The control system of the ISAC radioactive beam facility at TRIUMF is based on the EPICS architecture. EPICS database scanning performance, network utilization, and display update rates were measured for different scenarios. The CPU load time of the EPICS IOCs were measured to evaluate database scanning performance. Display update rates were measured for both MEDM and dm running on a SPARCstation 5. Network utilization was measured using the Windows NT Performance Analyzer. Obtained results and their possible effect on function distribution and network configuration in the ISAC control system evolution are discussed.