System Downtime Management at 12 GeV CEBAF

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Jefferson Lab's Accelerator Division uses two independent web based applications for Beam Time Accounting and System Downtime tracking. The Beam Time Accounting application acts as the accelerator time clock, while the Downtime Manager application monitors individual system performance. Accelerator system health is important to quantify in order to effectively and efficiently utilize limited resources for performance improvements. Jefferson Lab's Accelerator Operability Group has historically tracked System Downtime by gathering failure data via Operator input. A recent overhaul of that process has been implemented which includes failure guidelines, a new web based application/reporting application, and Operator training. The new process was implemented at the start of CEBAF's 12 GeV Commissioning to document system failures during commissioning, identify "infant mortality" failures, and improve the Downtime Manager application prior to production running. This discussion will focus on the journey of implementing the modified system downtime process and the vision of future improvements for CEBAF operations.

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