

EPICS Collaboration Meeting September 2022



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Transition to EPICS at the ISIS Accelerators

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Accelerator Controls at the ISIS Neutron and Muon Source is transitioning from our current Vsystem control system to EPICS. Operations must continue uninterrupted during our transition, requiring the two control systems to be run simultaneously. We present our work in bridging between the two control systems, automating the conversion of our existing control screens, creating our first novel control screens, and in developing our first IOCs (communicating via the CIP protocol). A number of decisions about our preferred EPICS configuration (e.g. a preference for PVAccess, containers, etc.) have been made while some remain deferred (e.g. archiving, alarms). We also discuss the issues we have encountered moving to EPICS.

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