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Status Update on transition to EPICS at the ISIS Accelerators

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We report on the progress in transitioning the ISIS accelerators from our current control system to a PVAccess based implementation of EPICS. Phoebus and PVAccess PVs are now our preferred solution for any new user interfaces and device interfaces respectively. A full-stack of Phoebus tools and other support tools are in use. We describe our pipeline for deploying conventional IOCS and our development of Python-based IOCs. Names of mimicked PVs from the old control system do not comply with PV Naming Convention; this has prompted development of tools for automated renaming of PVs across screens, EPICS Archiver Appliance, etc. Difficulties and challenges that have arisen during the transition are discussed.

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