

THE CERN ACCELERATORS CONTROLS CONVERGENCE PROJECT

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Abstract

The CERN PS and SL Accelerators controls groups have started in March 1998 a convergence effort aimed at building a common controls infrastructure for year 2001. The first activities concentrated on the definition of an object oriented Accelerator Device Model and Application Programming Interface (API) aimed at offering to high level application software developers a narrow and coherent view of the accelerator components. Efforts have also started to build the underlying middleware architecture that will support this model, including services based on the publish-subscribe paradigm. This presentation will highlight some aspects of this Accelerator Device model as seen from the application software level. A logical view of the associated middleware architecture that will transport Accelerator device data will also be discussed.