

THE TECHNICAL SUPERVISION INTERFACE: A JAVA BASED SYNOPTIC VIEW ENVIRONMENT

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The development of high-level synoptic views for supervision of the technical infrastructure of CERN is becoming increasingly important. Synoptic views are traditionally used by the control room as a means to supervise remote equipment but are also gaining an interest from the equipment owners themselves as the computing power and network connectivity available in offices and homes permit the use of these views. The use of common synoptic views facilitates communication between control room operators and equipment specialists and helps to limit the amount of development. In addition, the development of synoptic views is better done by the control room operators and equipment specialists than by a computer scientists. The Technical Supervision Interface is built to meet the new requirements of users. It will provide a Java applet viewer that can download synoptic view files from a web server and connect to any data source through a standardized protocol. The client - server communication will be done via a standardized event driven data acquisition protocol implemented on each data source type. This document describes the requirements, the design and the implementation of the Technical Supervision Interface.