

Managing the beamline configuration in the experimental areas

Tuesday, 25 June 2024 17:20 (25 minutes)

In the last years, the BE-EA Group has applied the configuration management strategy developed by EN-ACE to the experimental areas (North and East Area, AD and ELENA Complex, HiRadMat Facility) to have a clear and coherent picture of any beamline at a given point in time. As an essential tool for quality management, configuration management facilitates an increased physics time for the facilities due to an optimized reliability and availability of the beamline components thanks to its efficient processes. The implementation of this strategy is being deployed in the consolidation/renovations projects lead by EA aiming to improve the conditions of the experimental areas (NACONS, ADCONS, East Area Renovation,..).

The operability and maintainability of the engineering systems is well improved in the last years thanks to the use of databases like EAM, AFT, Layout Database allowing to register and follow the operation faults and providing essential information for future consolidations & upgrades. Management of the documentation and corresponding approval processes are essential part of the quality control based on the use of databases and tools like EDMS, JIRA, CERNbox and Confluence.

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Session Classification: Project Management Methodologies and Tools