

Maintenance Strategies in Accelerator Facilities

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Accelerator facilities are being increasingly compelled to professionalize their maintenance activities to take into account the constraints and growing challenges facing them: enhanced service requirements, technological complexity of equipment, regulatory compliance, financial constraints and a growth in personnel outsourcing activities, etc. Establishing a maintenance strategy is therefore of paramount importance to allow control of risks, improve the reliability and availability of equipment, provide greater flexibility in managing the installations, reduce costs and facilitate financial accounting and reporting; all parameters that contribute to the excellence of the facilities reputation.

The know-how and the high level of expertise in the area of assets and maintenance management, generated during long lasted operation around accelerator facilities, are still immature and not completely identified. Driving change in this area is complicated and a long lasting process.

Given the difficulties encountered in this field, accelerator facilities have taken the initiative to share their experiences and exchange ideas. SOLEIL took a pioneering step in this direction by hosting the first workshop "Assets and Maintenance Management" in 2011 and CERN organized the second edition of the workshop in 2013.

The presentation will address the following points: the need for a maintenance strategy based mainly on sharing common methods and work procedures; difficulties in implementing this methodology, for reasons related to culture (change of work habit), to the organization (often decentralized management with maintenance done trade by trade) and to manpower. An overview of existing practices in different accelerator facilities will also be outlined.

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Session Classification: Business and Management Models for Accelerator Facilities