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Users' Perspective of the Management of Elements Important for Safety (EIS) in Beam Facilities at CERN

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The aim of the Important Element for Safety (EIS), within the scope of the CERN accelerators, is to protect the personnel against beam hazards and hazards due to the operation of the machines (X-rays, electrical hazards). To ensure and demonstrate that these safety elements are able to fulfill their safety function, a set of quality assurance principles have been defined. The main requirement was to set-up a harmonized process, which allows the registration of the EIS with all the specific and relevant information, the follow up and traceability of the interventions carried out on the EIS.

The Safety Unit of the Beams department decided to take advantage of the Maintenance Management Project (MPP) in order to review the needs for the EIS and to use the CERN standard information systems e.g. Layout Service, EDMS, MTF, for their implementation. The presentation will explain the user requirements towards EIS and how the CERN standard methods and tools have been adapted to fulfill the set objectives.

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