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Web-based tool for reporting operational non-conformities and tracking associated corrective actions

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The cryogenic instrumentation of the LHC-machine includes 15000 sensors and actuators. In the first phase of the hardware commissioning of the accelerator the correct functioning of the measuring channels was checked, while in the second phase the operation-team did a fine-tuning of the cryogenic system based on the acquired measurements. For this purpose and when running the machine in the future, a quality assurance (QA)-tool for the operators and the instrumentation & controls-team had to be make available. The principle specifications of such a tool includes: tracking all operational non-conformities, resultant consequences and associated corrective actions, user-friendliness, delete-protection and well-defined accessibility. The present paper describes how we coped with those requirements, the experiences made and an outlook for prospective upgrades.

Proposed for workshop session (see call for abstracts): 1- Operation 2- Maintenance 3 - Safety 4 - Control

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