

Accelerator Fault Tracker & Availability Working Group – Where Do We Go From Here?

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Numerous fault tracking concepts and requirements were defined by the LHC Availability Working Group (AWG) during the study of LHC Run 1 availability (2010-2012). During Long-Shutdown 1 (LS1), these requirements were converted into an Accelerator Fault Tracker (AFT) tool, by a BE/CO, BE/OP and TE/MPE initiative. This paper presents an overview of the AWG concepts and requirements for fault tracking, explaining how these were evaluated in Run 1 versus how this been done using the AFT in Run 2. The resources used in the on-going work to complete fault tracking and development of the AFT are explained, and future plans are shown. The AFT has directly influenced the concepts of availability capture being used by the AWG, new and important influences on availability have been identified and can be quantified: allowing more complete and detailed models to be created. The future direction of the AWG and the future approaches to consider these are briefly shown.

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Session Classification: Sessions 3 & 4: LHC Hardware Performance

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