

Wednesday 23rd January 2008

MTTR & Spare Parts Policy for the LHC injectors, experimental areas and other facilities: TS Groups & AB-ABP group

09:10-09:50

Guillermo Peon: MTTR and spare parts, ST/CV

In this paper, the major events happened during the last three years in cooling and ventilation equipment are analysed giving special attention to the time to repair. After the analysis of the history, the paper presents a table pointing out the critical elements that could stop the LHC injection chain or the experimental areas. The paper also explains the restart process after a major electrical breakdown, and the stoppages that may occur to prevent environmental damages.

After the analysis of the history and the assessment of the present situation, the paper describes the internal organisation in terms of maintenance in CV. It presents the stand-by service for the two main areas (PS and SPS) and the constraints external to CV that increase the time to repair. It also gives an overview of an important issue in maintenance: the spare parts and documentation policies within CV. The conclusions drawn from the points developed in the paper are listed and the proposals to improve the service highlighted.