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First Line Diagnosis system, fault analysis tool for the ISIS Synchrotron UPDATE

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The First Line Diagnosis system (FLD) is a PC based system, incorporating an interactive fault analysis tool and technical knowledge base, for use by crew members running the ISIS accelerator. By using valuable time efficiently and effectively, in the first instance FLD aims to decrease the response time to resolve high consequence, high impact faults. With both Online and Offline versions, FLD guides the operations and maintenance crew through a hierarchical fault flow chart, providing all the information needed to drill down to a failure mode. It provides systems and circuit diagrams and access to on call rosters for calling equipment owners. FLD was launched in January 2013 and introduced to the accelerator maintenance community at AWR2013 Melbourne and has now been further developed and improved, growing organically and incorporate many ISIS accelerator systems and equipment. It will take many years to complete and incorporate a vast quantity of information hence the management system is critical for the operational effectiveness. This presentation will include an overview and update of the system and its progress.

Author: Mr BROWER, Julian (ISIS STFC)

Presenter: Mr BROWER, Julian (ISIS STFC)

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