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ISTTOK fast control system

Intro

The main aim for the new control system was to gather the information from all real-time diagnostics and use this data to control all real-time actuators, aiming at improving the real-time control of the plasma parameters and extend the duration of the AC discharges. Since the objective was to improve the fast real-time control, the ISTTOK slow control, database, VME trigger system and FireSignal middleware were maintained apart from small changes required to connect all the systems.