IO1337 Control System Coordinator CHD-048

General information

Job category	Standard
Status	Confirmed
Department	DIP/Directorate for CODAC, Heating & Diagnostics
Division	CHD / Control System Division
Section	CHD / CSD / CODAC Section

Job description

Main job	Engineering - Control system
Title of the position	Control System Coordinator CHD-048
Job family	Coordinating Engineer
Grade	P4
Direct employment	Not required
Purpose	To lead the design, procurement, implementation, integration and commissioning effort of the Experimental Physics and Industrial Control System (EPICS) based Control, Data Access and Communication (CODAC) system of ITER. To take full responsibility of delivering EPICS based parts of CODAC Core System as well as CODAC Operation Application on schedule and within budget. To act as the expert in EPICS technologies and tools within the Control System Division. To liaison with the EPICS open source development community and to ensure ITER requirements are fed into the development. To perform parts of the CODAC final design. To manage contracts to support above activities.
Main duties / Responsibilities	- Takes the leading role in promoting and optimizing the use of EPICS in the implementation and commissioning of CODAC and plant system control; - Mentors and supports all stakeholders, internal as well as Domestic Agencies and industries, in the best practice use of EPICS; - Prepares and follows technical audits and critical project reviews associated to the procurement and construction of plant systems to verify the correct use of EPICS; - Contributes to and supports factory and site acceptance tests of plant systems and their integration with CODAC; - Manages external contractors activities relating to the use of EPICS; - Liaisons with the EPICS open source development community; - Contributes to the final design of CODAC by drafting some of the CODAC final design documents; - Assesses and reviews CODAC final design documents; - Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan; - Performs other duties linked to the above purpose upon management request, as necessary; - Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.
Measures of effectiveness	Reports to CODAC Section Leader; Interacts frequently with other members of the Control System Division as well as with plant system responsible officers within ITER Organization as well as in the Domestic Agencies; In response to requests from the Director-General and/or Director of CODAC, Heating & Diagnostics, or proactively, informs the DG/ Director of CODAC, Heating & Diagnostics of any important and urgent issues that cannot be handled by the concerned line management and may jeopardize the achievement of the Project's objectives. Implements and delivers the relevant parts of CODAC system within schedule and budget; Successfully supports integration and commissioning of plant systems; Develops and maintains effective communications with all stakeholders. SAP Id: 50000725 - Project construction phase.

Applicant criteria

Level of study	Master or equivalent degree
Diploma	Computer science, electronics or relevant
Level of experience	At least 10 years
Technical experience	- Experience in designing, implementing and commissioning EPICS based control system; - Experience in dealing with control system stakeholders (physicist, control engineers, operators, technical domain experts); - Experience in software engineering and quality assurance; - Experience in using Linux and real-time operating systems.
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
Languages	English (Working)
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	Excellent computer and IT skills (MS Office, Linux) are mandatory; Basic Project Management experience is required; Experience in dealing with contractors, managing the procurement of products and services in a competitive manner; Ability to work effectively in a multi-disciplinary environment; Ability to write technical documents.