IO1172 Control System Division Head CHD-002

General information

Job category	Standard
Confidential	No
Status	Published
Department	DIP/Directorate for CODAC, Heating & Diagnostics
Division	CHD / Control System Division

Job description

Main job	Engineering - Control system
Title of the position	Control System Division Head CHD-002
Job family	Line management
Contractual hours	Full time
Grade	D1
Direct employment	Required
Supervised by:	Director of Directorate
Purpose	The Control System Division (CSD) Head provides leadership for the division responsible for implementing the ITER Control, Interlock and Safety systems. The purpose of this position is: To take responsibility for managing the present preliminary and conceptual designs, including nuclear safety, of the ITER control systems and for developing the final designs, which must be capable of handling the integration of ~200 Plant Systems procured in-kind around the world; To interact with the ITER Directorates and Domestic Agencies, to capture and document their control, interlock and safety requirements; To manage the outsourcing of the major part of the work required; Manage the planning, development, installation and commissioning or procurement of systems for : control and operation of the fusion device; Implementation of data capture, handling and dissemination of scientific data from the reactor; Implementation of feedback and control of the fusion plasma; Design and implement nuclear and personnel safety systems and interlock systems for investment protection. To take and approve technical design decisions.
Main duties / Responsibilities	- Supports the Director of the Directorate in all matters related to the Control System Division; - Delivers the Control, Interlock, and Safety Systems following the ITER quality standards and, meeting the agreed requirements on time, on budget, and at the lowest reasonable risk;. - Oversees task assignments, follow-up, and scheduling of activities in the Division's two sections; - Oversees the development of ITER Control System Documentation; - Leads the testing and commissioning of central control systems and planning & scheduling control systems; - Manages the development of central software while ensuring operability (supervision, monitoring, automation, plasma control, data handling and archiving); - Supports effective risk identification and management; - Identifies and initiates actions on interfaces with other ITER Directorates / Divisions / Sections; - Provides effective leadership for the Division, ensuring that team members are motivated and constantly developing their skills and experience; - Leads development of technical specifications to realize the development of interlock and safety systems; - Provides interfacing leadership with the ITER Safety teams and Industries involved in the development of the relevant high-security systems; - Supports the development of plant systems by : Establishing standards; Developing clear documentation and examples; and providing training and support; - Maintains a strong commitment to the implementation of the ITER Quality Assurance Program; - Performs other duties in support of the project schedule as described in the Detailed Work Breakdown Structure Schedule or 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. - Reports to the CODAC, Heating & Diagnostics Director; - In response to requests from the DG and/or the Director of the Department for ITER Project (DIP), or proactively, informs the DG/ Director of DIP of any important and urgent issues that cannot be handled by the concerned line management and which could jeopardize the achievement of the project's objectives.
Measures of effectiveness	- Delivers the preliminary and final design of control systems for ITER; - Delivers the design of interfaces between controls and the other ITER Groups; - Delivers the technical specifications for different contract packages to complete the ITER requirements for controls; - Manages the procurement of the various components and equipment; - Develops cost-effective installation and testing plans; - Maintains effective communication with all parties delivering subsystems for the control system of ITER; - Delivers the in-house developments of the project; - Supports plant system development by providing standards, training and support; - Meets the ITER quality system standards.

Applicant criteria

Level of study	Master or higher degree
Diploma	Science or Engineering
Level of experience	At least 15 years
Technical experience	- Practical experience in the design, development, integration and commissioning of control systems of large-scale physics projects of similar complexity to that of ITER; - Experience leading an experimental physics control group, including planning and management of team activities;
Project experience	At least 5 years
People management experience	At least 10 years
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
General skills	Good knowledge of Linux is essential; Good knowledge and experience with EPICS is an advantage; IT skills consistent with managing a complex developmental project.
Languages	English (Working)

Origin of the job

Entity	ITER ORGANIZATION
Recruitment reason	Replacement

HR Follow-up

Email alerts	Every 10 applications
Main recruiter in charge	Jean-Yves Tataranno
Followed by	Mélanie Picarel
Alert recipient(s)	Jean-Yves Tataranno
Publication default start date	3/20/2012
Publication default end date	4/19/2012
Automatic update	No