

IO1297 Control Systems Integration Engineer CHD-089

General information

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

Job description

Main job	Engineering - Electronics
Title of the position	Control Systems Integration Engineer CHD-089
Job family	System Engineer - 1
Grade	P3
Direct employment	Not required
Supervised by:	Section Leader
Purpose	<p>To manage and organize the support of CODAC technologies to ITER plant system developers in the ITER member states;</p> <p>To plan and organize the integration and commissioning of ITER plant systems in the central control system, including CODAC, Interlock and Safety;</p> <p>To review detailed interface definition between ITER plant systems and the central control system;</p> <p>To plan and organize Factory and Site Acceptance Tests of ITER plant systems;</p> <p>To plan, manage and organize the integration and commissioning of ITER plant systems in the central control system;</p> <p>To manage contracts to support above activities.</p>
Main duties / Responsibilities	<ul style="list-style-type: none">- Takes a leading role in developing detailed plans for integrating ITER plant systems in the central control system and takes responsibility for executing those plans;- Takes a leading role in developing commissioning plans for validating integration of ITER plant systems in the central control system and takes responsibility for executing those plans- Provides efficient support of CODAC technologies to ITER plant system developers to ensure later integration in the central system;- Performs missions to plant system development factories in the ITER member states to support the supplier and resolve problems in the use of CODAC technologies;- Verifies and amends interfaces between ITER plant systems and the central control systems;- Performs Factory and Site Acceptance of ITER plant systems;- Performs integration and commissioning of ITER plant systems;- 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.- Reports to CODAC Section Leader;- Acts as an interface between the CODAC/I&C teams and the Plant Systems Technical Responsible Officers for Plant System integration and commissioning;- In response to requests from the Director-General and/or CODAC, Heating & Diagnostics Director, or proactively, informs the DG/ CODAC, Heating & Diagnostics Director 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.
Measures of effectiveness	<ul style="list-style-type: none">- Develops his/her competence in all required technologies to successfully resolve problems related to development and integration of ITER plant control systems;- Contributes proactively to the ITER plant system developers in control system area;- Develops realistic and cost effective integration and commissioning plans;- Defines and executes ITER plant systems Factory and Site Acceptance Tests;

- Integrates ITER plant systems in the central control system;
- Provides timely and accurately the required reporting as described in the Detailed Work Schedule.

Project Construction Phase

Applicant criteria

Level of study	Master or higher degree
Diploma	Computer Science or Electronics field.
Level of experience	At least 5 years
Technical experience	<ul style="list-style-type: none"> - Experience in developing, integrating, commissioning and operating a large scale control system; - Experience in integrating external components, using different technologies, in a central control system; - Experience in developing integration and commissioning plans; - Strong problem solving capability; - Experience in industrial control and PLCs considered an advantage; - Experience in Linux and EPICS considered an advantage; - Experience in networking considered an advantage; - Experience in electronics considered an advantage.
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
General skills	Project Experience : <ul style="list-style-type: none"> - Participation to the construction, integration and commissioning of scientific or technical facility; - Experience working in international environment; - Basic Project Management experience is required; - Experience of supervising contracting companies activities; - Experience of supervising junior / technical personnel.
Languages	English (Working)
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	Computer and IT skills : <ul style="list-style-type: none"> - Linux (Red Hat) - Visio and Project - Scripting languages (e.g. Python)

Origin of the job

Entity	ITER ORGANIZATION
Recruitment reason	New position

HR Follow-up

Email alerts	Every 10 applications
Main recruiter in charge	CHOE Hyunejune
Followed by	Emilia Fullmer-Bourree
Alert recipient(s)	Emilia Fullmer-Bourree CHOE Hyunejune
Publication default start date	2/18/2013
Publication default end date	3/20/2013
Automatic update	No