

# IO1297 Control Systems Integration Engineer CHD-089

## General information

Job category	Standard
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
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"><li>- 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;</li><li>- 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</li><li>- Provides efficient support of CODAC technologies to ITER plant system developers to ensure later integration in the central system;</li><li>- 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;</li><li>- Verifies and amends interfaces between ITER plant systems and the central control systems;</li><li>- Performs Factory and Site Acceptance of ITER plant systems;</li><li>- Performs integration and commissioning of ITER plant systems;</li><li>- Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan;</li><li>- Performs other duties linked to the above purpose upon management request, as necessary;</li><li>- Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</li></ul>
Measures of effectiveness	<ul style="list-style-type: none"><li>- Develops his/her competence in all required technologies to successfully resolve problems related to development and integration of ITER plant control systems;</li><li>- Contributes proactively to the ITER plant system developers in control system area;</li><li>- Develops realistic and cost effective integration and commissioning plans;</li><li>- Defines and executes ITER plant systems Factory and Site Acceptance Tests;</li><li>- Integrates ITER plant systems in the central control system;</li><li>- Provides timely and accurately the required reporting as described in the Detailed Work Schedule.</li></ul>

## 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"> <li>- Experience in developing, integrating, commissioning and operating a large scale control system;</li> <li>- Experience in integrating external components, using different technologies, in a central control system;</li> <li>- Experience in developing integration and commissioning plans;</li> <li>- Strong problem solving capability;</li> <li>- Experience in industrial control and PLCs considered an advantage;</li> <li>- Experience in Linux and EPICS considered an advantage;</li> <li>- Experience in networking considered an advantage;</li> <li>- Experience in electronics considered an advantage.</li> </ul>
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"> <li>- Participation to the construction, integration and commissioning of scientific or technical facility;</li> <li>- Experience working in international environment;</li> <li>- Basic Project Management experience is required;</li> <li>- Experience of supervising contracting companies activities;</li> <li>- Experience of supervising junior / technical personnel.</li> </ul>
Languages	English (Working)
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	Computer and IT skills : <ul style="list-style-type: none"> <li>- Linux (Red Hat)</li> <li>- Visio and Project</li> <li>- Scripting languages (e.g. Python)</li> </ul>