

# IO1263 Network and Infrastructure Engineer CHD-028

## 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	Computer Science - Network
Title of the position	Network and Infrastructure Engineer CHD-028
Job family	System Engineer - 1
Grade	P3
Direct employment	Not required
Purpose	<ul style="list-style-type: none"><li>-To oversee the deployment of the control system infrastructure, composing networks, computer servers and control rooms, on ITER site;</li><li>-To manage all interfaces between control system infrastructure and design integration, design office, buildings, cable routing, assembly and integration;</li><li>-To manage contracts to support above activities.</li></ul>
Main duties / Responsibilities	<ul style="list-style-type: none"><li>-Takes a leading role in completing the detailed design of the network infrastructure;</li><li>-Establishes good communication channels with interfacing stakeholders (design office, design integration, buildings, cable routing, assembly and integration);</li><li>-Takes a leading role in the implementation and installation of the network infrastructure passive components;</li><li>-Participates in the design of the control and computer server rooms;</li><li>-Takes a leading role conducting the detailed technical specifications of the network infrastructure active components;</li><li>-Manages the procurement, installation and continuous operation of the ITER CODAC network;</li><li>-Monitors external contractors activities related to the design, implementation and installation of the control system infrastructure;</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>-Reports to CODAC Section Leader;</li><li>-Interfaces with Buildings, Design Office, Design Integration, Assembly and Integration;</li><li>-In response to requests from the Director-General and/or Director of CODAC, Heating &amp; Diagnostics, or proactively, informs the DG/ Director of CODAC, Heating &amp; 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.</li><li>-Implements and delivers the control system network infrastructure of the CODAC final design;</li><li>-Implements and delivers ITER CODAC network;</li><li>-Delivers operational control system networks to plant systems in time for the site acceptance test and within the defined cost;</li><li>-Maintain network infrastructure to a high level of availability.</li></ul> <p>-Sap Id : 50000285.</p> <p>-Project Construction Phase.</p>

## Applicant criteria

Level of study	Master or higher degree
Diploma	Computer Science, Electronics

Level of experience	At least 5 years
Technical experience	<ul style="list-style-type: none"><li>-Experience in designing and installing network infrastructure;</li><li>-Experience in dealing with inter-disciplinary stakeholders (civil engineering, power distribution, system engineering, assembly and installation);</li><li>-Experience in high bandwidth fiber optic Ethernet networking;</li><li>-Experience in passive network components (cables, connectors, patching, splicing, etc.);</li><li>-Experience in selecting, purchasing, configuring and deploying network switches in large scale network installation;</li><li>-Experience in maintaining large scale network installations.</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	<ul style="list-style-type: none"><li>-Basic Project Management experience is required;</li><li>-Experience in dealing with contractors, managing the procurement of products and services in a competitive manner;</li><li>-Ability to work effectively in a multi-disciplinary environment.</li></ul>
Languages	English (Working)
Others	<ul style="list-style-type: none"><li>-Excellent computer and IT skills (MS Office, Linux, network management) are mandatory;</li><li>-Ability to write technical documents in english.</li></ul>