

# IO1263 Network and Infrastructure Resp. Officer CHD-028

## General information

Job category	Standard
Status	Draft
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 Resp. Officer CHD-028
Job family	System Engineer - 1
Grade	P3
Direct employment	Not required
Purpose	<p>To oversee the deployment of the control system infrastructure, composing networks, computer servers and control rooms, on ITER site;</p> <p>To manage all interfaces between control system infrastructure and design integration, design office, buildings, cable routing, assembly and integration;</p> <p>To manage contracts to support above activities.</p>
Main duties / Responsibilities	<p>Takes a leading role in completing the detailed design of the network infrastructure;</p> <p>Establishes good communication channels with interfacing stakeholders (design office, design integration, buildings, cable routing, assembly and integration);</p> <p>Takes a leading role in the implementation and installation of the network infrastructure passive components;</p> <p>Participates in the design of the control and computer server rooms;</p> <p>Takes a leading role conducting the detailed technical specifications of the network infrastructure active components;</p> <p>Manages the procurement, installation and continuous operation of the ITER CODAC network;</p> <p>Monitors external contractors activities related to the design, implementation and installation of the control system infrastructure;</p> <p>Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan;</p> <p>Performs other duties linked to the above purpose upon management request, as necessary;</p> <p>Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p>
Measures of effectiveness	<p>Reports to CODAC Section Leader;</p> <p>Interfaces with Buildings, Design Office, Design Integration, Assembly and Integration;</p> <p>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.</p> <p>Implements and delivers the control system network infrastructure of the CODAC final design;</p> <p>Implements and delivers ITER CODAC network;</p> <p>Delivers operational control system networks to plant systems in time for the site acceptance test and within the defined cost;</p> <p>Maintain network infrastructure to a high level of availability.</p>

## Applicant criteria

Level of study	Master or equivalent degree
Diploma	Computer Science, Electronics
Level of experience	At least 5 years
	Experience in designing and installing network infrastructure;

Technical experience	Experience in dealing with inter-disciplinary stakeholders (civil engineering, power distribution, system engineering, assembly and installation); Experience in high bandwidth fiber optic Ethernet networking; Experience in passive network components (cables, connectors, patching, splicing, etc.); Experience in selecting, purchasing, configuring and deploying network switches in large scale network installation; Experience in maintaining large scale network installations.
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
General skills	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.
Languages	English (Working)
Others	Excellent computer and IT skills (MS Office, Linux, network management) are mandatory; Ability to write technical documents.