

IO1380 Instrumentation & Control Technician CHD-058

General information

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| Job category | Standard |
| Status | Confirmed |
| Department | DIP/Directorate for CODAC, Heating & Diagnostics |
| Division | CHD / Heating and Current Drive Division |
| Section | CHD / HCD / IC&LH Section |

Job description

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| Main job | Engineering - Control system |
| Title of the position | Instrumentation & Control Technician CHD-058 |
| Job family | Technician - 3 |
| Grade | G4 |
| Direct employment | Required |
| Purpose | <p>To contribute the design, procurement and integration of the Ion Cyclotron Heating & Current Drive (IC H&CD) system.</p> <p>To support the activities of the division in all matters relating to the instrumentation /standardization of the IC&LH section.</p> <p>To support port integration and contribute to the definition of the technical specifications. He/she will also interface between various activities and analysis work done by the Domestic Agencies (DAs) involved in the procurement activities of H & CD systems.</p> <p>Follows-up design and procurement of the IC H&CD control system;</p> <p>Prepares the design reviews of IC H&CD control system in coherence with data available from other IC H&CD sub-systems;</p> <p>Assists in the definition of instrumentation and standardization of the IC H&CD system in the procurement activities according to the standards defined by the project;</p> <p>Assists work undertaken by the DAs for instrumentation and control;</p> <p>Reviews and maintains the Project Integration documents relevant to IC H&CD Instrumentation and control;</p> <p>Assists with the preparation of the relevant procurement and contract packages;</p> <p>Collaborates in the activities of the project related to IC H&CD system;</p> <p>Assists with the preparation of the interface documentation and keeps it up to date;</p> <p>Assists with the preparations for the installation of the IC H&CD systems on ITER;</p> <p>Ensures that CODAC standards are followed in the development of I&C;</p> <p>Immediately reports variances on all technical, cost and schedule aspects;</p> <p>Supports effective risk identification and management;</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> |
| Main duties / Responsibilities | <p>Reports to Ion Cyclotron & Lower Hybrid Section Leader;</p> <p>Acts as an interface with staff and contractors from DAs;</p> <p>In response to requests from the Director-General and/or CODAC, Heating and Diagnostics (CHD) Director of Directorate, or proactively, informs the DG/ CHD Director of Directorate 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> |
| Measures of effectiveness | <p>Develops effectively the main IC H&CD controller;</p> <p>Reports regularly on I&C development in DAs;</p> <p>Successfully develops the interfaces with other IC H&CD subsystems and other plant systems;</p> <p>Implements accurately the CODAC standards in IC H&CD within the defined schedule.</p> <p>SAP ID: 50000933</p> <p>Project Construction Phase</p> |

Applicant criteria

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| Level of study | At least Bachelor's degree or equivalent |
| Diploma | Control and Instrumentation area |
| Level of experience | At least 5 years |
| Technical experience | At least 5 years' relevant experience in technical design; Experience required in control system design, development and implementation; Experience required in fast data acquisition and real time control loop; Experience in large experimental device commissioning and operation would be an advantage. |
| Social skills | Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit |
| Languages | English (Working) |
| Specific skills | MS Office standard (Word, Excel, PowerPoint, Outlook) |
| Others | Linux OS; C/C++ FPGA & PLC programming would be an advantage |