

# IO1307 Cooling Water Piping Specialist CEP-134

## General information

Job category	Standard
Confidential	No
Status	Draft
Department	DIP/Directorate for Central Engineering & Plant
Division	CEP / Plant Engineering Division
Section	CEP / PED / Cooling Water System Section

## Job description

Main job	Engineering - Mechanics
Title of the position	Cooling Water Piping Specialist CEP-134
Job family	Engineer - 1
Duration of the contract	5 years
Grade	G6
Direct employment	Required
Supervised by:	Section Leader
Purpose	<p>To contribute to the design, procurement, installation and testing of the Cooling Water System (CWS) piping within the defined cost and schedule.</p> <p>Supports the CWS Technical Responsible Officers to review and integrate the CWS piping layout and final design;</p> <p>Prepares Equipment Technical Specifications, Piping Materials and Fabrication Procurement Specifications for the CWS piping procurement according to the French regulation for non-Nuclear and Nuclear Pressurized Equipment (ESP/ESPN);</p> <p>Participates to the requested design optimization of the CWS piping introducing modularity, pre-assembly or prefabrication, using spools, skids and support structures, as required by the piping assembly requirements;</p> <p>Participates to the procurement of the CWS piping, fitting and valves according to the Technical Specifications and to the selected codes &amp; standards (ASME);</p> <p>Reviews and assesses the documents and drawings prepared by the manufacturers;</p> <p>Participates to the prefabrication or pre-assembly of the piping in skids or spools with supporting structures as proposed by the manufacturer and according to the IO assembly schedule;</p>
Main duties / Responsibilities	<p>Performs the necessary follow up of the piping procurement schedule as described in the Detailed Work Schedule;</p> <p>Participates to the CWS piping examination and testing, to the Non-Destructive Examination inspections and hydro-testing according to the selected codes &amp; standards (ASME) and under the direct supervision of the selected Notified Body or Agreed Notified Body;</p> <p>Superintends the packaging, temporary storage and shipping of the piping components and preassembled spools from the workshops to ITER site at Cadarache;</p> <p>Participates to the CWS assembly of the piping system at IO Cadarache;</p> <p>Performs other duties in support of the project schedule as described in the Detailed Work Schedule and 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> <p>Project Construction Phase</p> <p>Reports to the Cooling Water System Section Leader;</p> <p>Acts as an interface between the Cooling Water System section and the Assembly and Operation sections;</p> <p>In response to requests from the Director-General (DG) and/or Director for Central Engineering and Plant (CEP) Directorate, or proactively, informs the DG/ Director for CEP Directorate of any important and urgent issues that cannot be handled by the concerned line management and may</p>

Measures of effectiveness	jeopardize the achievement of the Project's objectives.  Oversees the Cooling Water System (CWS) piping design, procurement, pre-installation and pre-testing within the defined cost and schedule; Provides all inputs necessary to design, procure, construct and test the CWS according to the defined schedule; Communicates effectively with other stakeholders within the framework of ITER collaboration and the fusion community.
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## Applicant criteria

Level of study	Master or equivalent degree
Diploma	In mechanical, nuclear, chemical engineering
Level of experience	At least 5 years
Technical experience	Technical experience in the design and procurement of complex and large piping systems; Experience in design codes for piping systems in the nuclear field (e.g. ASME, pressurized equipment, etc.); Experience in installation and testing of complex industrial system will be considered as advantage. Excellent knowledge of design and procurement of complex piping systems.
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)  Good knowledge of software applications for development of 3D model and 2D schematics; Good knowledge of computer codes for piping stress analysis of and design of the support structures will be considered as advantage; Good knowledge of computer codes for piping manufacturing management will be considered as advantage;
Others	

## Origin of the job

Entity	ITER ORGANIZATION
Recruitment reason	New position

## HR Follow-up

Email alerts	Every 10 applications
Main recruiter in charge	Mélanie Picarel
Followed by	CHOE Hyunejune
Alert recipient(s)	Mélanie Picarel
Publication default start date	4/29/2013
Publication default end date	5/29/2013
Automatic update	No