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JOB DETAIL

Ref. IO1604 - 11/27/2015

Nuclear Pressure Equipment Engineer - TED-029

Main job	Nuclear Power
Department	TED / Tokamak Engineering Department
Division	TED / Vessel Division
Section	TED / VV / VV/Ports & Thermal Shield Section
Job Family	Coordinating Engineer
Application Deadline (MM/DD/YYYY)	01/03/2016
Grade	P4
Direct employment	Not required
Purpose	To be responsible for supervising the manufacture of Vacuum Vessel (VV) and Port systems, with an emphasis on the French Regulations for Pressure and Nuclear Pressure Equipment including the full implementation of the Design and Construction Rules for Mechanical Components requirements (e.g. RCC-MR 2007) and others applicable standards.

- Manages the technical part of contract with the selected Agreed Notified Body (ANB) on behalf of the VV section leader;
- Liaises the ANB with the VV/Ports Technical Responsible Officer (TRO) or others stakeholders;
- Organizes the daily communication between ITER Organization (IO) and ANB;
- Contributes to the necessary communication with ASN-DEP (Direction des Equipements sous Pression – Pressure Equipment Department);
- Implements the French regulation for pressure vessels and nuclear pressure vessels and applicable code or standards during the VV design and manufacture;

Main duties / Responsibilities

- Manages the Hazard analysis and associated documentation of the VV;
 - Provides technical support in regulations, code and standards to all VV project team members;
 - Implements all accepted requirements dictated by the ANB and related to the French Regulations for Pressure and Nuclear Pressure Equipment for the Divisions;
 - Contributes to the definition and the justification of special techniques for the final assessment of the VV;
 - Manages the definition and justification of in-service inspection programme of the VV and associated compensatory measures;
 - Advises the Division on the selection of manufacturing techniques and supervises Research & Development (R&D) and qualification programs;
 - Represents IO manufacturer in the necessary commissions as COLEN, AFCEN committee in charge to establish methodology or interpretation of French Regulations for Pressure and Nuclear Pressure Equipment or RCC-MR code impacting VV manufacture and conformity assessment;
 - Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan & upon management request;
 - May be requested to be part of any of the project team and perform other duties upon management request;
 - Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.
- Reports to the VV section leader;

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	<ul style="list-style-type: none">• Interfaces with all PA TRO belonging to VV to meet technical requirements and schedule milestones;• Coordinates all activities with all PA or contractors;• In response to requests from the Director-General (DG) and/or Tokamak Engineering Department (TED) Head, or proactively, informs the DG/ TED Head 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.
Measures of effectiveness	<ul style="list-style-type: none">• Prioritizes actions to meet technical requirements and schedule milestones;• Manages and follows up the applicable contract between IO and ANB;• Is able to negotiate with ANB and French licensing authorities;• Makes the technical decisions and to propagate them;• Successfully generates and maintains coherent, comprehensive, and understandable documentation;• Successfully maintains effective communications within the ITER Organization.
Project Construction Phase	
Level of study	Master or equivalent degree
Diploma	Engineering field or other relevant discipline.
Level of experience	At least 10 years
Technical experience/knowledge	<ul style="list-style-type: none">– At least 10 years' experience in the design or manufacturing supervision of components for Nuclear Pressure Equipments;– Experience applying the RCC-MR/RCC-M codes to large Nuclear Components;– Experience implementing the French Regulation for Pressure and Nuclear Pressure Equipment including Conformity Assessment of Nuclear Pressure Equipments;– Experience in fabrication (procurement of material forming and welding) of large stainless steel structures;– Basic Project Management experience is required.
Social skills	Ability to work effectively in a multi-cultural environment Ability to work in a team and to promote team spirit
Others	– Good command of the Microsoft Office package.
Languages	English (Fluent) French (Working)