

IO1331 Materials Technical Officer CIE-232

General information

Job category	Standard
Status	Published
Department	DIP/Directorate for Central Integration & Engineering
Division	CIE / Project Engineering & Integration Division
Section	CIE / PEI / Systems Engineering, Analysis & Standards Section

Job description

Main job	Engineering - Generalist
Title of the position	Materials Technical Officer CIE-232
Job family	Engineer - 1
Grade	G6
Direct employment	Required
Purpose	<p>To prepare and/or review materials procurement specifications, supporting the procurements and final certification documentations in close collaboration with relevant technical divisions at ITER Organization (IO) as well as Domestic Agencies (DAs).</p> <p>To provide technical support in materials area including assessment of remaining issues and prepare recommendations and/or justifications as directed by the supervisor.</p> <p>To monitor relevant Research & Development (R&D) programs and implement the results in the ITER materials documentation.</p>
Main duties / Responsibilities	<p>Provides support in materials area for the various components under responsibility of Systems Engineering, Analysis & Standards Section;</p> <p>Prepares and/or reviews procurement specifications for materials in close collaboration with relevant technical divisions and DAs;</p> <p>Provides support for procurement follow-up and checks final certification of materials in collaboration with relevant design divisions;</p> <p>Performs analyses of issues related to materials application and performance;</p> <p>Analyses/updates design data for finalization of the design;</p> <p>Reviews deviation requests and non-conformity reports from DAs and materials suppliers in cooperation with relevant technical divisions;</p> <p>Maintains the materials database and materials documentation (ITER Material Properties Handbook and others);</p> <p>Follows-up and monitors contracts related to materials R&D databases;</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>Under the supervision of the Materials and Standards Coordination Responsible Officer reports to the Systems Engineering, Analysis & Standards Section Leader;</p> <p>Acts as an interface between all other ITER Departments and Divisions;</p> <p>In response to requests from the Director-General and/or Director of Central Integration & Engineering (CIE) Directorate, or proactively, informs the DG/Director of CIE 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> <p>Implement, maintain and issue in a timely and accurate way specifications, documentations and reports on materials procurement and assessment;</p> <p>Complete tasks in a timely manner meeting agreed deadlines;</p> <p>Maintain an efficient working relationship with technical divisions and DAs.</p> <p>Project construction phase.</p>

Applicant criteria

Level of study	Bachelor or equivalent degree
Diploma	in materials area or materials and engineering
Level of experience	At least 7 years
Technical experience	<p>Experience in activities related to assessment of materials performance and procurement for nuclear and/or vacuum application;</p> <p>Good knowledge of materials requirements for nuclear and/or high vacuum application;</p> <p>Good knowledge of materials data and procurement specification requirements based on standards (ASME Codes or other nuclear codes);</p> <p>Familiarity with quality assurance requirements for material procurement;</p> <p>Familiarity with basic metallic joining techniques such as welding, brazing;</p> <p>Knowledge of specific aspects of materials application in fusion devices and the basic functions of ITER machine and its components.</p>
Project experience	2 to 4 years
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)