

IO1413 Blanket Engineer TKM-062

General information

Job category	Standard
Status	Published
Department	DIP/Directorate for Tokamak
Division	TKM / Internal Components Division
Section	TKM / INC / Blanket Section

Job description

Main job	Engineering - Mechanics
Title of the position	Blanket Engineer TKM-062
Job family	Engineer - 1
Grade	G6
Direct employment	Required
Purpose	<p>To perform complex analyses (computational fluid dynamics, thermo-mechanical, structural) in support of the assessment of Blanket design changes;</p> <p>To oversee and co-ordinate the Blanket R&D activities;</p> <p>To support the Technical Responsible Officer in monitoring the procurement of Blanket components and related materials.</p>
Main duties / Responsibilities	<p>Performs complex analysis (computational fluid dynamics CFD -, thermo-mechanical, structural) in support of the assessment of design changes (for example from Deviation Requests or Project Change Requests);</p> <p>Prepares Task Agreements, contracts, procurement documents and technical reports;</p> <p>Supports the Technical Responsible Officer in monitoring the procurement of the Blanket components and related materials during the ITER construction phase;</p> <p>Oversees and co-ordinates as needed the R&D and qualification work carried out in support of the procurement of the Blanket components;</p> <p>Monitors the Quality Assurance (QA) procedures on the above tasks in close relation with the QA Division;</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 the Blanket Section Leader;</p> <p>Interfaces with all other Sections in the ITER Organization, as required;</p> <p>In response to requests from the Director-General and/or Tokamak Director (TKM), or proactively, informs the DG / TKM Director 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>Completes analysis of Blanket components in a timely manner;</p> <p>Generates and maintains coherent, comprehensive and understandable design documentation;</p> <p>Provides efficient and high quality supporting actions for the procurement to be performed within the defined cost and schedule;</p> <p>Ensures the accurate implementation of QA requirements;</p> <p>Develops and maintains effective communication with the DAs and within the ITER Organization.</p>
	<p>SAP id 50000336</p> <p>Project construction phase</p>

Applicant criteria

Level of study	Master or equivalent degree
Diploma	Engineering

Level of experience	At least 5 years
Technical experience	Experience in a similar position in a large multidisciplinary project; Ability to perform CFD, thermo-mechanical and structural analysis using ANSYS; Good organizational ability for monitoring technical tasks while working with international colleagues; Knowledge of the blanket design and requirements would be highly advantageous.
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit, Ability to communicate effectively
General skills	High level of reliability and dependability; Good organizing skills and co-ordination skills will the ability to set priorities and meet deadlines; Ability to work towards predefined goals with a high level of autonomy.
Languages	English (Working)
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)