

# IO1238 Mechanical Eng.for Blanket First Wall TKM-119

## 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	Mechanical Eng.for Blanket First Wall TKM-119
Job family	Engineer - 2
Grade	P3
Direct employment	Not required
Purpose	<p>To be responsible for the procurement of Blanket First Wall panels and related materials provided by the concerned Domestic Agencies;</p> <p>To be responsible for the integration of associated systems, diagnostics and instrumentation;</p> <p>To be responsible for the related design and qualification tests.</p>
Main duties / Responsibilities	<p>Manages the work carried out by the concerned Domestic Agency in preparation for the procurement of the Blanket First Wall panels;</p> <p>Is responsible for the related design and production of the concerned 3D models and 2D drawings;</p> <p>Manages the related R&amp;D and supervises the qualification tests;</p> <p>Is responsible for the procurement of the Blanket First Wall panels and related materials by the concerned Domestic Agency during the ITER construction in close relation with the Procurement &amp; Contract Division;</p> <p>Manages the interfaces and Quality Assurance (QA) procedures of the Blanket First Wall panels 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>In response to requests from the Director-General and/or Tokamak Director, or proactively, informs the DG/Tokamak 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>Completion of the design and procurement of Blanket First Wall panels within the prescribed specifications;</p> <p>Generation and maintenance of coherent, comprehensive and understandable design documentation for the Blanket First Wall panels;</p> <p>Maintenance of effective communication within the ITER Organization as required by this position.</p> <p>Project Construction Phase.</p>

## Applicant criteria

Level of study	At least Master's Degree or equivalent
Diploma	Engineering field or other relevant discipline
Level of experience	<p>At least 10 years</p> <p>Experience in the design and construction and integration of mechanical components, preferably in an international environment</p>

Technical experience	Experience in the fusion technologies and/or Ultra High Vacuum (UHV) applications and/or nuclear devices would be highly advantageous. Previous experience in components subject to high heat fluxes, beryllium technologies, welding technologies, non-destructive inspections and in the practical application of QA procedures would be an advantage.
Project experience	3 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)