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## JOB DETAIL

Ref. IO1121 - 6/7/2011

**Mechanical Responsible Officer - TKM-039**

<b>Main job</b>	Mechanics
<b>Department</b>	DIP/Directorate for Tokamak
<b>Division</b>	TKM / Internal Components Division
<b>Section</b>	TKM / INC / Test Blankets Section
<b>Job Family</b>	Project engineering
<b>Application Deadline</b>	10/Jul/2011
<b>Grade</b>	P3
<b>Direct employment</b>	Not required
<b>Purpose</b>	To design and follow up with the procurement of the Test Blanket Module (TBM) frame and Dummy TBM components as well as of other internal components; To follow up with the integration of associated systems, diagnostics and instrumentation; To monitor related research and development (R&D) and qualifications in the relevant Domestic Agencies.
<b>Main duties / Responsibilities</b>	<ul style="list-style-type: none"> <li>• Supervises the work carried out by the ITER Organization in preparation for the procurement of the TBM frame and Dummy TBM components as well as of other internal components. This includes: the follow up of Computer Aided Design (CAD) activities, the supervision of the design supporting analysis and of the R&amp;D programme;</li> <li>• Assists in the preparation of the components' procurement specifications, including 2D drawings with required tolerances and Quality Assurance (QA) documents, and incorporates modifications as a result of reviews made with the Members and with the suppliers;</li> <li>• Monitors the procurement of the related components, including: witnessing of critical manufacturing operations, welding procedure qualifications, non-destructive examination, assessment of QA documents and procedures;</li> <li>• Monitors the interfaces, follows up on the Remote Handling compatibility assessment, and prepares design reviews;</li> <li>• Prepares presentations, memos, and documents, as required within the Division;</li> <li>• Interacts on a daily basis with members of the ITER Organization as well as external organizations;</li> <li>• Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</li> </ul>
<b>Measures of effectiveness</b>	<ul style="list-style-type: none"> <li>• Successfully completes the design and procurement of internal components with the prescribed quality, in a timely manner and within defined costs;</li> <li>• Successfully generates and maintains coherent, comprehensive and understandable design documentation;</li> <li>• Successfully maintains effective communications within the ITER Organization.</li> </ul>
<b>Level of study</b>	Master or equivalent degree
<b>Level of experience</b>	At least 10 years
<b>Technical experience</b>	<ul style="list-style-type: none"> <li>- At least 10 years' experience in the design and procurement of steel components;</li> <li>- Previous experience in ultra-high vacuum and/or nuclear components would be an advantage;</li> <li>- Previous experience in welding technologies, non-destructive inspections of the steel structures, and in the practical application of QA procedures would be an advantage;</li> <li>- Previous experience in a similar position in a large multi-disciplinary project performed in an international environment would be an advantage.</li> </ul>
<b>Project experience</b>	1 to 2 years
<b>Social skills</b>	Ability to work effectively in a multi-cultural environment

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My job alert

Ability to work in a team and to promote team spirit  
Ability to communicate effectively  
Collaborative

**Specific skills** Computer and IT skills  
– Good knowledge of computer software related to Project Management (e.g. Microsoft Office Project) and to other Microsoft Office software (Excel, PowerPoint, etc.);  
– Working knowledge of CAD software like Catia V5.

**Languages** English (Working)

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