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Ref. IO1158 - 12/18/2011

**Divertor Engineering Officer TKM-078**

<b>Main job</b>	Generalist
<b>Department</b>	DIP/Directorate for Tokamak
<b>Division</b>	TKM / Internal Components Division
<b>Section</b>	TKM / INC / Divertor Section
<b>Job Family</b>	Project engineering
<b>Application Deadline</b>	31/Jan/2012
<b>Grade</b>	P3
<b>Direct employment</b>	Not required
<b>Purpose</b>	To monitor the design & manufacture of Divertor components and related materials; To follow up with the integration of associated systems, diagnostics and instrumentation; To monitor related research and development (R&D) and qualification in the relevant Domestic Agencies.
<b>Main duties / Responsibilities</b>	<ul style="list-style-type: none"> <li>• Supervises the work carried out by the concerned Domestic Agencies in preparation for the design &amp; manufacture of the Divertor components;</li> <li>• Assists in the preparation of the procurement specifications of the Divertor components, including materials;</li> <li>• Assists in preparation of Neutronic analysis of the Full-W Divertor;</li> <li>• Supervises the production of the concerned drawings;</li> <li>• Monitors the R&amp;D and qualification tests by the concerned Domestic Agencies;</li> <li>• Monitors the design &amp; manufacture of the Divertor components and related materials during the ITER construction in close relation with the Procurement &amp; Contract Division;</li> <li>• Monitors the interfaces and Quality Assurance (QA) procedures of the Divertor components in close relation with the Quality Assurance Division;</li> <li>• Performs other duties linked to the above purpose upon management request, as necessary;</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 manufacture of divertor 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 communication within the ITER Organization.</li> </ul>
<b>Level of study</b>	Master or equivalent degree
<b>Level of experience</b>	At least 8 years
<b>Technical experience</b>	<ul style="list-style-type: none"> <li>- At least 8 years' experience in the follow up of procurement of high heat flux components for an Ultra High Vacuum (UHV) and/or nuclear devices.</li> <li>- Experience in the fusion technologies for plasma-facing components would be highly advantageous.</li> <li>- Previous experience in welding technologies, non-destructive inspections and in the practical application of QA procedures 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 Ability to work in a team and to promote team spirit
<b>Specific skills</b>	MS Office standard (Word, Excel, PowerPoint, Outlook)
<b>Free criteria</b>	Direct Supervisor and Interfaces: <ul style="list-style-type: none"> <li>• Reports to the Internal Components Division Head,</li> </ul>

under the supervision of the Tungsten Divertor Section Leader;

- Interfaces with all other Sections in the ITER Organization, as required.

**Languages** English (Working)

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