

Divertor Engineering Officer TKM-078

Main job	Generalist
Department	DIP/Directorate for Tokamak
Division	TKM / Internal Components Division
Section	TKM / INC / Divertor Section
Job Family	Project engineering
Application Deadline	31/Jan/2012
Grade	P3
Direct employment	Not required
Purpose	<p>To monitor the design & manufacture of Divertor components and related materials;</p> <p>To follow up with the integration of associated systems, diagnostics and instrumentation;</p> <p>To monitor related research and development (R&D) and qualification in the relevant Domestic Agencies.</p>

Main duties / Responsibilities	<ul style="list-style-type: none">• Supervises the work carried out by the concerned Domestic Agencies in preparation for the design & manufacture of the Divertor components;• Assists in the preparation of the procurement specifications of the Divertor components, including materials;• Assists in preparation of Neutronic analysis of the Full-W Divertor;• Supervises the production of the concerned drawings;• Monitors the R&D and qualification tests by the concerned Domestic Agencies;• Monitors the design & manufacture of the Divertor components and related materials during the ITER construction in close relation with the Procurement & Contract Division;• Monitors the interfaces and Quality Assurance (QA) procedures of the Divertor components in close relation with the Quality Assurance Division;• Performs other duties linked to the above purpose upon management request, as necessary;• Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.
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Measures of	<ul style="list-style-type: none">• Successfully completes the design and manufacture of divertor
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effectiveness	<p>components with the prescribed quality, in a timely manner and within defined costs;</p> <ul style="list-style-type: none"> • Successfully generates and maintains coherent, comprehensive and understandable design documentation; • Successfully maintains effective communication within the ITER Organization.
Level of study	Master or equivalent degree
Level of experience	At least 8 years
Technical experience	<ul style="list-style-type: none"> – 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. – Experience in the fusion technologies for plasma-facing components would be highly advantageous. – Previous experience in welding technologies, non-destructive inspections and in the practical application of QA procedures would be an advantage.
Project experience	1 to 2 years
Social skills	<p>Ability to work effectively in a multi-cultural environment</p> <p>Ability to work in a team and to promote team spirit</p>
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)
Free criteria	<p>Direct Supervisor and Interfaces:</p> <ul style="list-style-type: none"> • Reports to the Internal Components Division Head, under the supervision of the Tungsten Divertor Section Leader; • Interfaces with all other Sections in the ITER Organization, as required.
Languages	English (Working)