

# IO1951 Mechanical Coordinator - TED-228

## General information

Job category	Standard
Status	Published
Department	TED / Tokamak Engineering Department
Division	TED / Internal Components Division

## Job description

Main job	Engineering - Mechanics
Title of the position	Mechanical Coordinator - TED-228
Job family	Engineer - 1
Grade	P2
Direct employment	Not required
Purpose	<p>To monitor the design evolution and progress of the Divertor and Blanket Systems over the entire life-cycle of the concerned components (from design to machine operation) under the instruction of the relevant Responsible Officer(s);</p> <p>To assist the Internal Components Division in integration, configuration and physical interfaces;</p> <p>To support the Internal Components Division Responsible Officers in following up the manufacturing activities in the Domestic Agencies.</p> <p>To ensure harmonization among the mechanical design of the different Divertor and Blanket Systems.</p>
Main duties / Responsibilities	<ul style="list-style-type: none"><li>-Manages the interfaces of the Divertor and Blanket Systems with the interfacing systems and follows up their implementation over the design, manufacturing and installation phase;</li><li>-Supervises the manufacturing design to ensure consistencies with the interfaces and with the technical requirements;</li><li>-Studies, reviews and proposes manufacturing solutions;</li><li>-Prepares the installation and maintenance documentation of the Divertor and Blanket systems;</li><li>-Supports the Responsible Officers in the monitoring of procurement activities with the concerned Domestic Agencies;</li><li>-May be required to work outside normal working hours, including nights, weekends and public holidays;</li><li>-Implements the technical control of the Protection Important Activities, as well as their propagation to the entire supply chain;</li><li>-May be requested to be part of any of the project/construction teams and to perform other duties in support of the project schedule;;</li><li>-Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</li></ul> <p>Special notice: May be requested to work on beryllium-containing components. In this case, you will be required to follow the established ITER Beryllium Management Program for working safely with beryllium. Full training and support will be provided by the ITER Organization.</p> <ul style="list-style-type: none"><li>-Reports to the Internal Components Division Head;</li><li>-Interacts on a daily basis with the relevant ITER Component Responsible Officers (in charge of the technical solutions), the Integration Responsible Officers (in charge of the configuration control), Design Office Management and Support Team and Design Coordinators and Designers aiming at the required level of quality and at an efficient development of the design.</li><li>-In response to requests from the Director-General (DG) and/or Tokamak Engineering Department (TED) head, or proactively, informs the DG/TED Head 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.</li></ul>
Measures of effectiveness	<ul style="list-style-type: none"><li>-Successfully contributes to an effective development, hamonization and maintenance of the mechanical design of the internal components within the defined schedule;</li><li>-Manages interfaces and ensure a good integration of the Divertor and Blanket Systems;</li><li>-Successfully contributes to the procurement of internal components within the prescribed specifications, cost and schedule;</li></ul>

-Maintains effective communication within the ITER Organization and the Domestic Agencies as required by this position.

Project Construction Phase  
SAP-ID: 50000981

## Applicant criteria

Level of study	Bachelor or equivalent degree
Diploma	Mechanical Engineering or Computer-Aided Design
Level of experience	At least 7 years
Technical experience/knowledge	<ul style="list-style-type: none"><li>-At least 7 years' experience in the implementation of engineering activities (requirement definition; conceptual, pre-detailed and detailed studies; definition of complex interface systems; preliminary sizing; contribution to the development of manufacturing specifications);</li><li>-Good experience in the design of complex high heat flux components, preferably in the fusion and/or nuclear field, and involving large components and structures, support systems, complex interfaces with cooling systems, diagnostics, assembly and remote handling tools would be advantageous;</li><li>-Good experience in manufacturing technologies and follow up of manufacturing activities, including witnessing of Control Points and Quality Controls;</li><li>-Extensive experience in similar jobs (involving similar work responsibilities) and/or additional training certificates in relevant domains may be considered a reasonable substitute for the required educational degree.</li></ul>
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
General skills	<ul style="list-style-type: none"><li>-Ability to adjust communication content and style to deliver messages;</li><li>-Ability to work towards predefined goals with a high level of autonomy while sustaining a high working pressure;</li><li>-Ability to comply with high standards of team mindset, trust, excellence, loyalty and integrity.</li></ul>
Languages	English (Fluent)
Specific skills	CATIA, Computer Aided Design, MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	<ul style="list-style-type: none"><li>-Good command of the Microsoft Office package;</li><li>-Experience in design work involving an advanced CAD system, past experience with CATIA v5 is an asset;</li><li>-Experience with ENOVIA LCA - VPM5 and experience with previous versions of VPM or with other integrated database systems would be advantageous.</li></ul>