

# IO1282 Magnets Technician TKM-129

## General information

Job category	Standard
Status	Published
Department	DIP/Directorate for Tokamak
Division	TKM / Magnet Division
Section	TKM / MAG / PF Coil Section

## Job description

Main job	Engineering - Mechanics
Title of the position	Magnets Technician TKM-129
Job family	Experienced Technician - 1
Grade	G4
Direct employment	Required
Purpose	<p>To assist in the assessment and correction of PF coil procurement and quality control documents. To participate in Poloidal Fiel (PF) coil manufacturing design, approving of manufacturing drawings and maintaining consistency with the ITER approved models and drawings.</p> <p>To assist in the monitoring for all magnet areas of the Catia model quality and work organization, preparing work orders and supervising/supporting contract designers. To assist in the follow up for all magnet areas of manufacturing change requests, ensuring they are implemented in the ITER configuration control models</p> <p>To assist in monitoring the status / progress of PF procurement activities.</p>
Main duties / Responsibilities	<p>Follows up procurement for the PF coils, in the technical areas of High Voltage insulation, vacuum / cryogenic technology, superconductivity;</p> <p>Assists in the assessment and correction of PF coil manufacturing procedures, manufacturing and inspection plans and quality control documentation;</p> <p>Contributes to administration of magnet design office by liaising with DO, prepares work orders, advises and assists contract designers with specialized knowledge of magnet design, advises on maintaining continuity of work from contract designers;</p> <p>Follows manufacturing change requests with the Domestic Agencies and their industries throughout magnet procurement area, ensures changes are recorded and implemented into ITER Organization approved Catia models, liaises with CAD &amp; Design Coordination 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 PF Coil Section Leader;</p> <p>Interfaces with members in other sections in the Magnet Division, with other departments as required by operation of the Catia system and integration of the magnet design, and with the Domestic Agencies and their industries regarding manufacturing drawings and change monitoring;</p> <p>In response to requests from the Director-General and/or Director of Tokamak (TKM) Directorate, or proactively, informs the DG/ Director of TKM Directorate 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>Efficient tracking of magnet manufacturing changes in DAs and maintaining up to date ITER approved Catia models;</p> <p>Contributes to providing good quality CAD models and drawings by IO;</p> <p>Maintains know-how and continuity from the CAD contract designers;</p> <p>Performs PF coil procurement follow up during fabrication;</p> <p>Contributes to assessment of PF coil manufacturing procedures.</p>
	Project Construction Phase

Applicant criteria

Level of study	Bachelor or higher degree
Diploma	Mechanical Engineering
Level of experience	At least 5 years
Technical experience	Experience as a technical designer or project engineer in a large multidisciplinary project or institute; Experience with welding and Non Destructive Testing procedures; Familiarity with mechanical design codes and standards such as ASME or EN; Experience in supervising fabrication of components in industry;  Industrial manufacturing experience is required.
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
General skills	Demonstrated ability to write good quality technical reports.
Languages	English (Working)
Specific skills	CATIA, Computer Aided Design, MS Office standard (Word, Excel, PowerPoint, Outlook)