

# IO1439 CAD Technician PSE-331 to 374

## General information

Job category	Standard
Status	Published
Department	DIP/Plant System Chief Engineer

## Job description

Main job	Computer Science - Computer Aided Design
Title of the position	CAD Technician PSE-331 to 374
Job family	Technician - 1 or 2
Grade	G2 or G3
Direct employment	Required
	[Job offer for 3 or 5 year contract]
	44 openings to be filled at G2 or G3 levels
Purpose	<p>Important notice: If you are interested in this vacancy, please fill in your application in the E-recruiting system of the IO website. Thereafter, you will receive a questionnaire within one week after your application is completed. To be eligible after nomination by the Domestic Agency, the applicant must complete the on-line questionnaire regarding technical skills &amp; experience within 5 calendar days after having received the email request from the ITER Organization. Your application will be considered as not valid if you do not answer the questionnaire within the given timeframe.</p> <p>Note: if you are also applying for PSE-375 to 384, the questionnaire shall be filled in only once.</p>
Main duties / Responsibilities	<p>To execute design and engineering tasks on a range of mechanical and/or plant systems under the instruction of the Plant Breakdown Structure (PBS) Responsible Officer;</p> <p>To apply best industrial practices in the area of Computer Aided Design (CAD) manufacture-ability, design integration, installation, commissioning and maintainability;</p> <p>To support design activities performed in a remote design collaboration manner;</p> <p>To implement CAD Quality Assurance (QA) requirements and measures;</p> <p>To implement Quality Control (QC) requirements and measures (G3 only).</p> <p>Supports the PBS Responsible Officer in the execution of technical studies, change requests and design reviews involving multi-discipline schematics, configuration models, detailed models and drawings for mechanical or/and plant equipment/systems;</p> <p>Supports the PBS Responsible Officer in the procurement follow-up via the contribution to the fast and efficient assessment of design change requests and non-conformities, and to the checking of manufacturing drawings;</p> <p>Produces General Arrangements, layout drawings, room bookings, bills of materials, support and interface drawings, isometrics, 3D simulations, tagging and other CAD data to support the final design, the procurement, the pre-assembly, the installation and the commissioning of the equipment;</p> <p>Alerts on new issues and any deviation;</p> <p>Supports integration, interface clarification and solving of design issues;</p> <p>Develops / converts files for dedicated analysis;</p> <p>Supports CAD design Work Packages performed in a remote design collaboration manner;</p> <p>Updates and maintains CAD data and related databases;</p> <p>Supports design activities associated to: standardization and catalogues, CAD data exchanges, maintenance of the context and configuration branches;</p> <p>Implements CAD Quality Assurance (QA) requirements and measures;</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> <p>Specific duties for CAD Technician at G3 level:</p>

Measures of effectiveness	Supports CAD Quality Control including CAD data cursory check, collision check, coherence checking between schematics and 3D, compliance with project specifications (scope of work, design parameters & codes), best industry practices and CAD Manual.
	Works under the technical coordination of the Plant Breakdown Structure Responsible Officer; Acts as an interface with other internal and external resources for the final design, the procurements, the pre-assembly and the installation of the equipment; In response to requests from the Director-General and/or Plant System Engineering (PSE) Directorate Director, or proactively, informs the DG/PSE Directorate Director 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.
	Provides accurate technical input to effectively support the equipment design, procurement, installation and testing within the defined time schedule; Produces CAD deliverables in a timely manner with a high quality standard; Produces the required reports on time and in accordance with a high quality standard; Performs multi-tasking while adjusting quickly to new systems, issues and working environments.
	Project Construction Phase

## Applicant criteria

Level of study	At least Post-Secondary Degree or equivalent
Diploma	Technical Engineering field or other relevant
Level of experience	Please refer to G2 or G3 specific requirements
Technical experience	Technical Engineering field refers to electro-mechanical, civil & industrial buildings, fluidic proc., power-supply & control, QA, and CAD. Experiences considered as an advantage: In multi-national projects, preferably in fusion and/or nuclear energy involving large components and structures, support systems, high-power circuits & buildings and complex interfaces; In a remote design collaboration environment; In 3D tolerance studies; In control of deliverables from international contractors with regards to technical requirements and CAD quality; In design support activities: CAD data exchanges, catalogue development and maintenance, software administration and support, CAD QA;
	For G2 level, basic expce in a Design Office covering at least 8 of the topics described in the questionnaire required (see purpose);
	For G3 level, at least 3 years' expce in a Design Office covering at least 12 of the topics described in the questionnaire required (see purpose).
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
General skills	Technical Engineering field refers to: electro-mechanical, civil & industrial buildings, fluidic processes, power-supply & control, Quality Management, and Computer Aided Design
Languages	English (Working)
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)  Computer and IT skills: Knowledge of MS Office standard (Word, Excel, Visio, PowerPoint, and Outlook) is required;
Others	For G2 level, basic experience in design work involving an advanced CAD system, including CATIA V5, and experience in at least 2 of the CAD tools described in the questionnaire (link) are required;
	For G3 level, at least 2 years' experience in design work involving an advanced CAD system, including CATIA V5, and experience in at least 4 of the following CAD tools described in the questionnaire (link) are required.