

ITER 국제기구 공모 직위 직무기술서 (제191차)

○ 2개 직위

구분	분야	소속	직위	Job No.	등급
①	중앙통합 (CIO)	Design Office Division CAD Section	Design Coordinator/CAD Technician	CIO-083	G3/G4
②				CIO-125	

IO1832 Design Coordinator/CAD Technician CIO-083/125

General information

Job category	Standard
Status	Published
Department	CIO/ Central Integration Office
Division	CIO / Design Office Division
Section	CIO / DO / CAD Section

Job description

Main job	Engineering - Design
Title of the position	Design Coordinator/CAD Technician CIO-083/125
Job family	Technician
Grade	G3 or G4
Direct employment	Required
Purpose	<ul style="list-style-type: none">-To coordinate and/or execute design activities related to mechanical & plant systems;-To apply best industrial practices in the area of Computer Aided Design (CAD) manufacture-ability, design integration, components, circuits & interfaces, installation, commissioning and maintainability;-To support the deliverable-based approach & remote design collaboration;-To implement CAD Quality Assurance (QA), Quality Control (QC) requirements & measures.
Main duties / Responsibilities	<ul style="list-style-type: none">-Supervises and/or produces CAD deliverables, in accordance with the CAD Work-plan, such as: General arrangement/layout drawings, schematics, 3D models, assembly/part drawings, isometrics, interface & composite drawings, bills of materials, 3D simulations, tagging & all CAD data to support all project phases;-Performs the execution of technical studies, impact assessment and implementation of changes requests and design review preparations in compliance with CAD QA and QC rules;-Design coordinator only : supports CAD design Work Packages performed in a remote design collaboration manner & supports the Project in the procurement follow up via assessing speedily and efficiently design change requests and non-conformities, and checking manufacturing drawings;-Alerts on new issues and any deviations and makes proposals for the design coordinator;-Supports integration, interface clarification and solving of design issues;-Supervises and/or supports design activities associated to standardization and catalogues, CAD data exchanges, maintenance of the context and configuration branches;-Preserves component and system knowledge related to design updating and CAD data and related databases; Design coordinator only: implements the CAD Coordination Missions (Supervises CAD activities and delivers Key Performance Indicators, Coordinates the development & maintenance of the CAD Work-Plans, performs CAD QC including best industrial practices and CAD Manual, supports the best usage of the CAD Infrastructure);-Performs other duties in support of the project schedule;-May be requested to belong to any project / construction team and perform other duties;-Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics. <ul style="list-style-type: none">-Reports to the CAD Section Leader;-CAD Technician performs CAD activities under the technical guidance of Responsible Officers; <ul style="list-style-type: none">-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 Central Integration Office Head, or proactively, informs the DG/CIO 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. <ul style="list-style-type: none">-Contributes to design & integration solutions and CAD QC with a high level of autonomy;-Produces the required deliverables on time, within quality & cost containment

Measures of effectiveness	<ul style="list-style-type: none"> -Performs multi-tasking while adjusting quickly to new complex activities and working environment; -Interacts efficiently with different team members (IO, DA & Suppliers) on multi-disciplines topics; <p>In addition for Design Coordinator:</p> <ul style="list-style-type: none"> -Contributes to CAD Work Plan maintenance, CAD coordination & supervision, EVM & KPI; -Supports the proper usage of the CAD infrastructure by ITER Organization (IO) & non-IO Users; -Ensures CAD Quality Control (QC) and supervises corrective measures; -Proposes improvements aiming at enhancing efficiency & quality. -Promotes team spirit;
	Project Construction Phase

Applicant criteria

Level of study	Bachelor or equivalent degree
Diploma	Technical Engineering field
Level of experience	At least 5 years <ul style="list-style-type: none"> -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.
Technical experience/knowledge	<ul style="list-style-type: none"> -At least 5 years' experience (3 years for CAD technician) in Design Office in mechanical / plant / assembly area: Mechanical / Plant design, geometrical configuration & integration, manufacturing CAD data/drawings, inspection technics, assembly / installation of Plant and mechanical components, knowledge on components of nuclear facilities; -At least 4 years' experience (3 for CAD technician) in one of the following: CAD QA, Functional tolerances, Ultra-high vacuum technology, Cryogenic technology, Remote maintenance, Nuclear environment & requirements, Remote design collaboration;
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"> -For Design Coordinator, at least 2 years' experience in design activities coordination: definition & control of CAD Work-Plan, CAD activities supervision, Key Performance Indicators, management of the geometrical configuration, advanced CAD data-base management, CAD QC of internal & external deliverables, support of the proper usage of the CAD infrastructure; -Experience in multi-national projects involving large components and structures, support systems, high-power circuits & buildings and complex interfaces would be an advantage; -Experience in design support activities would be an advantage: CAD data exchanges, catalogue development and maintenance, software administration and support, CAD QA.
Languages	English (Fluent)
Specific skills	<p>CATIA, Computer Aided Design, MS Office standard (Word, Excel, PowerPoint, Outlook)</p> <ul style="list-style-type: none"> -Knowledge of MS Office standard (Word, Excel, Visio, PowerPoint, and Outlook) is required; -Knowledge of Adobe Reader is required;
Others	<ul style="list-style-type: none"> -At least 5 years' experience (3 years for CAD technician) experience in design work involving an advanced CAD system, including CATIA V5, is required; -The experience with CATIA Equipment & Systems, advanced CAD data-bases like ENOVIA V5, Visio-based schematics software like See-System-Design and/or an advanced schematics driven 3D design software like and AVEVA/PDMS would be an advantage.