

IO1259 Seismic Requirements & Analysis Coordinator CIE251

General information

Job category	Standard
Status	Published
Department	DIP/Directorate for Central Integration & Engineering
Division	CIE / Technical Integration Division
Section	CIE / TI / Systems Engineering, Analysis and Standards Section

Job description

Main job	Engineering - Mechanics
Title of the position	Seismic Requirements & Analysis Coordinator CIE251
Job family	Engineer - 2
Grade	P3
Direct employment	Not required
Purpose	<ul style="list-style-type: none">-To coordinate and control the specifications of the seismic requirements for nuclear and non-nuclear components and systems;-To coordinate the global seismic analysis of the main tokamak components;-To verify that nuclear and non-nuclear safety seismic requirements are met.
Main duties / Responsibilities	<ul style="list-style-type: none">-Specifies the seismic requirements for the ITER systems and provides guidelines on how these requirements can be met;-Verifies that the seismic requirements are properly implemented in ITER Organization (IO) documents and properly propagating to Domestic Agencies (DAs), contractors and sub-contractors;-Coordinates and performs seismic analyses of the main tokamak components ensuring the timely execution of the work: this is achieved by performing analyses or by planning and following-up external contacts and deliverables;-Verifies with each system Responsible Officer (RO) that systems are properly modelled and all complex interfaces are properly taken into account following the design evolution and the final manufacturing;-Interacts with the ROs of the ITER civil constructions to verify that building seismic analyses are performed following ITER requirements;-Provides support to IO Directorates on the completion of the seismic qualification of systems before and after equipment installation;-Supports the ITER licencing process in preparing documents on matter related to seismic requirements, seismic analysis, and structural safety margins;-Performs technical supervision of seismic analysis activities provided by DA's;-Reviews and verifies seismic analyses performed by other divisions and by DA's;-Prepares detailed and summary analysis and progress reports;-Contributes to the update and record of the Finite Element (FE) model developed inside the ITER Organization and by the DAs;-Performs other duties in support of the project schedule as described in the Detailed Work Schedule or Strategic Management Plan;-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.-Reports to the System Engineering, Analysis & Standard Section Leader;-Interfaces with all other ITER Departments and Divisions;-In response to requests from the Director-General and/or the Technical Integration Division Head, or proactively, informs the DG/ the Technical Integration Division 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.
Measures of effectiveness	<ul style="list-style-type: none">-Supports the System Engineering, Analysis & Standard Section in achieving the defined objectives.-Provides comprehensive reports and summaries of the performed and revised analyses.-Provides FE models developed for the analyses.

- Generates and maintains trustworthy, up to date information related to the machine technical scope.
- Maintains effective communications with all organizations interfacing with ITER.
- SAP Id: 50000122
- Project Construction Phase.

Applicant criteria

Level of study	At least Master's Degree or equivalent
Diploma	Mechanical or civil engineering
Level of experience	At least 10 years
Technical experience	<ul style="list-style-type: none"> -Relevant experience in performing and coordinating seismic, dynamic and structural analyses; -Experience in using finite element programs; -Basic Project Management experience is required; -Knowledge of engineering activities - design, configuration, procedures - related to the main tokamak systems would be an advantage.
Social skills	<p>Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit</p> <ul style="list-style-type: none"> -Excellent communication and negotiation skills; -Experience in coordinating analysis activities, in control of timely execution of tasks and in definition of priorities is required;
General skills	<ul style="list-style-type: none"> -Effective communication skills; -Ability to coordinate the work of different teams and to interface with other groups and Divisions; -Openness to collaboration.
Languages	English (Working)
Others	-Good skill in Microsoft Office software and Finite Elements codes (preference is given for analysis codes available in IO).