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Ref. IO1062 - 12/17/2009

Structural Analysis Technical Officer -CIE/PRO-050

Main job	Mechanics
Type of contract	Fixed term contract
Grade	G4
Purpose	To support the System Analysis & Standard (SYSA) Section of the Central Integration & Engineering (CIE) Office in the preparation of finite element (FE) models, development of software or interface programs, and in performing structural analyses of ITER components following requirements and priorities defined by the CIE management.
Main duties / Responsibilities	<ul style="list-style-type: none"> • Prepares finite element models of ITER components; • Performs structural (mechanical and thermal) analyses for the verification of the integrity of the ITER components following requirements and priorities defined by the PO management and in support of requests from other Divisions; • Develops programs, macros and software routines to interface programs for common use across the project; • Develops and improves the interface of FE programs with Computer Aided-Design (CAD) system; • Prepares detailed and summary analysis reports; • Contributes to updating and recording the FE model developed inside the ITER Organization and by the DA's; • Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.
Direct employment	Required
Measures of effectiveness	<ul style="list-style-type: none"> • Successfully provides support to the SYSA Section in achieving its defined objectives; • Provides comprehensive reports and summaries of the performed and revised analyses; • Provides FE models developed for the analyses; • Successfully generates and maintains trustworthy, up-to-date information related to the machine's technical scope; • Successfully maintains effective communication with all Organizations interfacing with ITER.
Level of study	Bachelor, equivalent or higher degree
Diploma	Engineering field or other relevant discipline
Level of experience	5 to 7 years
Technical experience	<ul style="list-style-type: none"> - At least 5 years of relevant experience, including some years of experience in the use of finite element programs; - Knowledge of engineering aspects of the design and analysis of components.
Social skills	Ability to work effectively in a multi-cultural environment Ability to work in a team and to promote team work
Specific skills	- Capable of working in a team and interfacing with other ITER groups and Divisions;
Languages	English (Fluent) French (Working)
General skills	MS Office professional applications (Access, Project, Publisher, Visio) MS Office standard applications (Word, Excel, Powerpoint, Outlook)

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