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## JOB DETAIL

Ref. IO2102 - 4/30/2019

### Central Control Integrat. Section Leader SCOD-033

**Main job** Control system

**Department** SCOD / Science & Operations Department

**Division** SCOD / Control System Division

**Job Family** Section Leader

**Application Deadline  
(MM/DD/YYYY)** 06/12/2019

**Grade** P5

**Direct employment** Not required

**Purpose** To lead and manage the Central Control Integration (CCI) Section, which is responsible for ensuring the integration into the ITER integrated control system of individual plant control systems and commissioning of the integrated control system itself;  
To coordinate and manage interfaces and communication with other Sections, Domestic Agencies and Suppliers responsible for delivering local plant control systems;  
To manage the development of application software, implementation of corrections and enhancements required during commissioning and operation;

**Background information:**

The Control System Division is responsible for developing the central control systems and associated infrastructure required for the ITER machine and facility operation. The Division is also responsible for integrating local plant control systems, supplied in-kind by the ITER members, and deliver a fully integrated control system to Operation. After takeover the Division is in charge of implementing improvements as well as maintenance of the integrated control system.

Please note that an organizational restructuring is planned in accordance with the needs of the organization and the evolution of the project phases. In this context, the unit of assignment of the present position may be updated in late 2019, early 2020.

**Main duties / Responsibilities** Coordinates task assignments, budget planning and execution, follow-up and scheduling of the CCI Section's activities;  
Manages the CCI staff, providing an effective leadership for the Section ensuring team members are motivated and constantly developing their skills and experience;  
Organizes a smooth collaboration between Sections, Domestic Agencies and Suppliers delivering plant systems to ensure the integration in the central control system;  
Manages the planning and execution of plant system Site Acceptance Tests from the integrated control system point of view;  
Deploys and maintains plant system applications software from software repository during Site Acceptance Test, Commissioning and Operation;  
Reviews and approves the software configuration control of all production systems;  
Monitors the delivery of the plant systems integrated in the central control system to operation at the end of commissioning;  
Manages the creation, use and maintenance of test-beds used to debug plant systems and their integration in the central control system;  
Manages proactively the improvement of software to facilitate integrated operation;  
Promotes the standards used by the ITER control system, maintains and manages the updates of standardization documentation available for operation and maintenance;  
Manages and monitors contracts supporting the activities of the Section;  
May be required to perform on-call service and to work outside normal working hours, including nights, weekends and public holidays;  
May be requested to be part of any of the project team and perform other duties.

**Measures of effectiveness** Establishes good collaboration and maintains effective communication with all plant system suppliers;  
Develops and executes cost effective integration, site acceptance and commissioning plans within schedule;  
Takes proactive actions to anticipate issues during integration, site acceptance and commissioning and develops corrective solutions;  
Maintains properly configuration control of all deployed

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production software;  
 Delivers systems to operation within the defined quality, cost and schedule;  
 Maintains constantly and improves regularly control systems under operation;  
 Responsible for Section deliverables that meet safety standards, quality schedule and cost requirements.

<b>Level of study</b>	Master or equivalent degree
<b>Diploma</b>	Science, Engineering or other relevant discipline
<b>Level of experience</b>	At least 10 years
<b>Technical experience/knowledge</b>	At least 10 years' experience in a research environment; Experience within an international environment would be an advantage; Hands-on experience in integrating large heterogeneous control systems; Hands-on experience in control system commissioning and bringing a facility into operation; Very good Project Management is required, applying well-known/recognized methodologies; At least 5 years' experience in supervising a team; Ability to provide effective leadership; Ability to motivate and develop the team members' skills and experience; The required education degree may be substituted by extensive professional experience involving similar work responsibilities and/or additional training certificates in relevant domains.
<b>People management experience</b>	At least 5 years
<b>General skills</b>	Collaborate: Ability to dialogue with a wide variety of contributors and stakeholders; Communicate Effectively: Ability to adjust communication content and style to deliver messages to work effectively in a multi-cultural environment; Drive results: Ability to persist in the face of challenges to meet deadlines with high standards; Manage Complexity: Ability to gather multiple and diverse sources of information to define problems accurately before moving to proposals; Instill trust: Ability to apply high standards of team mind-set, trust, excellence, loyalty and integrity.
<b>Others</b>	Proficiency of Linux and Microsoft Office tools; Experience in state-of-the-art networking; Knowledge of EPICS middleware will be an asset.
<b>Languages</b>	English (Fluent)

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