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## JOB DETAIL

Ref. IO1978 - 5/6/2018

### Vacuum Technician PED-156

**Main job** Vacuum technologies

**Department** PED / Plant Engineering Department

**Division** PED / Fuel Cycle Engineering Division

**Section** PED / FCED / Vacuum Section

**Job Family** Coordinating Technician

**Application Deadline  
(MM/DD/YYYY)** 06/17/2018

**Grade** G5

**Direct employment** No

**Purpose** To support engineering activities for the procurement, pre-manufacture and subsequent installation of ITER vacuum systems.  
To develop and maintain installation & commissioning procedures required for the installation of vacuum equipment / systems.  
To coordinate teams performing and providing surveillance of vacuum leak tests.

**Main duties / Responsibilities**

- Provides technical support in the design, installation and subsequent commissioning of ITER vacuum systems;
- Develops installation sequences and prepares construction documentation required for the installation of vacuum systems;
- Coordinates vacuum teams supporting ITER machine & plant assembly, and surveillance of vacuum leak testing teams;
- Prepares procedures for vacuum leak testing – performs vacuum leak testing;
- Prepares resource loaded schedules for installation and commissioning activities;
- Prepares commissioning procedures and maintenance plans and performs vacuum system commissioning;
- Manages contracts for installation and testing jigs and mockups;
- Reviews Contractor installation procedures for the installation of vacuum systems;
- May be required to work outside ITER Organization reference working hours, including nights, weekends and public holidays;
- May be requested to be part of any of the project/construction teams and to perform other duties in support of the project schedule;
- Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.

Special notice: May be requested to work on beryllium-containing components. In this case, you will be required to follow the established ITER Beryllium Management Program for working safely with beryllium. Full training and support will be provided by the ITER Organization.

- Reports to the Vacuum Section Leader;
- Acts as an interface between Vacuum and other technical Sections in the ITER Organization (IO) and with Domestic Agencies (DAs) and contractors;
- In response to requests from the Director-General and/or Plant Engineering Department (PED) Head, or proactively, informs the DG/Director of Head of PED 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**

- Clarity and thoroughness of reports;
- Quality and timeliness of work products;
- Quality of communication with personnel associated with interfacing systems and management;
- Ability to work effectively in teams and contribute to the overall success of the ITER project;
- Performing work safely and with regard for safety in designs.

**Level of study** Bachelor or equivalent degree

**Diploma** In Engineering or other relevant discipline

**Level of experience** At least 7 years

**Technical experience/knowledge** At least 7 years' experience in engineering activities for vacuum systems;  
Experience in contract management, procurement process, manufacturing and installation surveillance of a large

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vacuum facility;  
Extensive experience in similar jobs as well as similar work responsibilities in Vacuum System installation and commissioning; additional training certificates in relevant domains may be considered a reasonable substitute for the required educational degree.

**Social skills** Ability to work effectively in a multi-cultural environment  
Ability to work in a team and to promote team spirit  
Ability to communicate effectively  
Collaborative

**Specific skills** Computer Aided Design  
MS Office standard (Word, Excel, PowerPoint, Outlook)

**General skills** Ability to facilitate dialogue with a wide variety of contributors and stakeholders;  
Ability to listen and adjust communication content and style to deliver messages;  
Ability to apply high standards of team mindset, trust, excellence, loyalty and integrity.

**Languages** English (Fluent)

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