

**JOB DESCRIPTIONS OF OPEN POSITIONS
IN EFDA CSU CULHAM**

For application, please contact the Head of Research Unit of your
Association

Application should include a CV and a letter of motivation (mentioning the
title of the position) and should be sent to:

Catherine Soltane (Head of Administration)

Tel: +44(0)1235 46 46 21

E-mail: Catherine.soltane@jet.efda.org

JET Department

TITLE OF THE POSITION: RESPONSIBLE OFFICER IN CODAS & DIAGNOSTICS GROUP

This position is for a Responsible Officer in the CODAS & Diagnostics Group of the JET Department of the EFDA Close Support Unit. The JET Department is responsible for coordination of the preparation and implementation of the JET work programme, for the supervision of the work done by the JET task forces, for the technical supervision of the JET Operation Contract in interaction with the JET Operator and for the implementation of JET enhancement projects. The CODAS & Diagnostics group monitors the status of operating diagnostics and CODAS infrastructures. The group is also responsible for initiating and following new enhancement projects related to diagnostics, acquisition and plasma systems.

The Officer will have the following responsibilities:

- Assist the Group Leader in assuring an adequate diagnostic support to JET experimental programme.
- Monitor the activities related to existing diagnostic enhancements.
- Other duties with regard to JET new diagnostic enhancements as defined in agreement with the Group Leader and the Department Head.

A Responsible Officer will have to use technical and scientific abilities as well as human skills to help resolve difficult issues when they arise. An understanding of contractual issues would be an advantage. Familiarity with the JET programme and its existing set of diagnostics is considered a prerequisite. Experience in project management, implementation of diagnostics and in integration of diagnostics in real time and protection systems are also to be considered qualifying elements.

The Responsible Officer reports to the Leader of the CODAS & Diagnostics Group.

DATE OF VACANCY: IMMEDIATE – APPLICATION REQUESTED BY 16TH MARCH 2012:

CONTACT: Lorne Horton (Head of JET Department)

Tel: +44(0)1235 46 4980

E-mail: Lorne.Horton@jet.efda.org

TITLE OF THE POSITION: RESPONSIBLE OFFICER FOR FUSION TECHNOLOGY

This position is for a Responsible Officer for Fusion Technology (FT) in the Programme & Analysis Group of the JET Department of the EFDA Close Support Unit. The JET Department is responsible for coordination of the preparation and implementation of the JET work programme, for the supervision of the work done by the JET task forces, for the technical supervision of the JET Operation Contract in interaction with the JET Operator and for the implementation of JET enhancement projects. The Programme & Analysis Group is responsible for programme priorities in collaboration with the task force leaders, the interface to the EFDA Associates for S/T participation in JET, the task force interface for analysis and publication plans, programme monitoring and fusion technology.

The JET fusion technology programme covers R&D areas that can provide relevant contributions to the research programme of both ITER and JET. The programme is presently divided into six topics: Tritium in the Tokamak, Tritium Process and Waste Management, Plasma Facing Components, Engineering, Neutronics & Safety and Test Beds.

The Officer will have the following responsibilities:

- Yearly update the JET Operation Implementation Document.
- Monitor the JET Test Bed activities.
- Assist the Fusion Technology Task Force Leaders in defining the objectives and priorities of the JET FT programme.
- Initiation, monitoring and final endorsement of JET Fusion Technology tasks.
- Liaise with the Operator in all the steps related to JET FT Tasks which involve the use of the JET facilities.
- Maintain the FT web pages.
- Prepare, in liaison with the FT Task Force Leaders, the relevant committee documents.
- Participate, as scientific secretary, in the joint Operator-CSU Radioactive Waste Management Working Group.

Candidates should have experience in fusion-related technology activities. Experience of working in an international environment and in project management would be advantageous.

The Responsible Officer reports to the Leader of the Programme & Analysis Group.

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CONTACT: Lorne Horton (Head of JET Department)
Tel: +44(0)1235 46 4980
E-mail: Lorne.Horton@jet.efda.org

TITLE OF THE POSITION: RESPONSIBLE OFFICER IN OPERATION GROUP

This position is for a Responsible Officer in the Operation Group of the JET Department of the EFDA Close Support Unit. The JET Department is responsible for coordination of the preparation and implementation of the JET work programme, for the supervision of the work done by the JET task forces, for the technical supervision of the JET Operation Contract in interaction with the JET Operator and for the implementation of JET enhancement projects. The Operation Group is responsible for optimising, in collaboration with the Operator and the Programme & Analysis Group, the execution of the experimental programme defined by the JET Programme Execution Committee, participating in experimental sessions during campaigns and restart, preparing the restart activities during shutdown and supervising scientific activities in the area of plasma control.

The Officer will have the following operation-related responsibilities:

- Monitor the activities related to the operation of machine subsystems.
- Define in collaboration with the operator the requirements for JET operation in the medium to long term, in particular the preparations for future shutdowns and deuterium-tritium operation.
- Assist the Group Leader in proposing specific measures to improve the availability and reliability of the JET operation in the medium to long term as well as monitoring their implementation.
- Support the execution of the JET restart, high level commissioning and experimental campaigns in the role of session leader.

A Responsible Officer will have to use technical and scientific abilities as well as human skills to help resolve difficult issues when they arise. The successful candidate will have to demonstrate flexibility in an evolving, complex environment with many actors with different perspectives. Familiarity with JET operations is considered a prerequisite. Experience in project management is an important element.

The Responsible Officer reports to the Leader of the Operation Group.

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CONTACT: Lorne Horton (Head of JET Department)
Tel: +44(0)1235 46 4980
E-mail: Lorne.Horton@jet.efda.org

TITLE OF THE POSITION: RESPONSIBLE OFFICER IN PROGRAMME & ANALYSIS GROUP

This position is for a Responsible Officer in the Programme & Analysis Group of the JET Department of the EFDA Close Support Unit. The JET Department is responsible for coordination of the preparation and implementation of the JET work programme, for the supervision of the work done by the JET task forces, for the technical supervision of the JET Operation Contract in interaction with the JET Operator and for the implementation of JET enhancement projects. The Programme & Analysis Group develops the JET programme priorities in collaboration with the JET Task Force Leaders, coordinates the manning of the JET experimental campaigns, monitors programme execution including follow-up analysis and provides the JET interface to the EFDA Integrated Tokamak Modelling Task Force, to the International Tokamak Physics Activities and to the IEA Cooperation on Tokamak Programs.

The Officer will have the following responsibilities:

- Assist the Group Leader in coordinating international activities involving the use of the JET facilities.
- Monitor the activities of the JET Operator in maintaining and upgrading the suite of high level analysis codes. Assist the Group Leader in setting priorities for the development of these codes.
- Coordinate and manage the license agreements for the use of JET analysis codes on other machines and by non-EFDA parties.
- Contribute to the organisation and monitoring of the EFDA Associates' participation in the JET experimental campaigns.
- Maintain the P&A branch of the JET Users Web Page.

A Responsible Officer will have to use technical and scientific abilities as well as human skills to help resolve difficult issues when they arise. Familiarity with the JET programme is considered a prerequisite. Experience in working in an international environment and in project management would also be valuable.

The Responsible Officer reports to the Leader of the Programme & Analysis Group.

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