

TITLE: Magnet Database Technician		TKM-084
REPORTS TO LINE MANAGER: Leader of the Superconductor Systems and Auxiliaries Section, Magnet Division, Department for Tokamak		
DIRECT EMPLOYMENT: REQUIRED		GRADE RANGE: G4-G5
DATE WRITTEN: July 2008	DATE REVISED: July 2008	DATE REVISED:

Purpose:

To participate in the development of software tools for the monitoring of ITER conductor and magnet production.

Major Duties/Responsibilities:

- Participates in the development and maintenance of the information system for the ITER conductor production follow up;
- Participates to the development and exploitation/maintenance of other information systems for the follow up of ITER magnet production;
- Participates in the development/maintenance of information systems at the CN, EU, JA, KO, US, RF Domestic Agencies;
- Participates in the definition and development of information system for electronic traveller treatment;
- Participates to the electronic archival of ITER magnet technical documentation;
- Maintains a strong commitment to the implementation and perpetuation of ITER safety program, values and ethics.

Qualifications and experience:

- **Education:**
 - Recognized qualification (degree, diploma or similar) in Mathematics, Computational Science or a related discipline.
- **Experience:**
 - At least 10 years' experience in relational database applications creation;
- Good knowledge of RDBMS Oracle, SQL, PL/SQL;
- Knowledge and work experience in VPD (Virtual Private Database) technology would be advantageous;
- Knowledge of Application Express and HTML would be an asset;
- Knowledge of Oracle9i Forms, Java and working experience with Oracle Application Server would be an asset;
- Demonstrated ability to produce high quality results;
- Strong interpersonal skills to work effectively in an international environment;
- Ability to work with a high level of autonomy.
- **Language requirements:**
 - Good communication skills in written and spoken English.

Work Direction and Interfaces:

- Reports to the Leader of the Superconducting Systems and Auxiliaries Section;

- Interacts with members of the Magnet Division, with the sub-contractor responsible for conductor database development, and members of the Domestic Agencies using the conductor database.

Authority/Approval Levels:

Has authority and approval levels generally defined by the DDG for Tokamak for his/her scope of work.

Measures of Effectiveness:

- Successfully provides efficient and high quality service to the Magnet Division members;
- Successfully establishes a good collaborative relationship with all members of the Division, with other divisions and departments and their counterparts in the Domestic Agencies.