TITLE: Mechanical Engineer – Building Systems Civil Construction and Site Support		CCS 003
REPORTS TO LINE MANAGER: Head, Civil Construction and Site Support Office		
Direct Employment: Not Required	**Grade:P4**	
DATE WRITTEN: October, 2006	**DATE REVISED:**	**DATE REVISED:**

Purpose:
Support the HCCSSO in all matters related to mechanical engineering of the building systems for nuclear, seismically qualified buildings, steel frame buildings, as well as Cadarache site infrastructure. This includes: HVAC; fire protection; main crane; lifts, cranes, hoists and elevators; cooling towers and associated pumping stations; all liquid piping in tunnels throughout the site. Assists in defining and documenting the interfaces between these buildings and the related technical systems contained inside.

Provides assistance and guidance to the Architect Engineer responsible for detailed design and layout of mechanical engineering of site infrastructure facilities. Provides technical support to the civil and mechanical construction contractor and manages cost effective implementation. Assists the HCCSSO in liaison with the European Legal entity in matters of mechanical engineering during construction.

Major Duties/Responsibilities:

- Supports HCCSSO in all matters related to mechanical engineering and construction activities for the Cadarache site buildings.
- Reports the work scope, schedule and cost information to the HCCSSO in support of project office reporting, on a monthly basis.
- Assists in coordinating the technical interface between the on-site construction and the technical subsystem responsible officers.
- Monitors the contractors QA and Safety program with the AE and subcontractors.
- Maintains interface documentation and keeps it up to date.
- Responsible for change control for the site infrastructure facilities mechanical engineering, including design changes, costs, schedules, and variances.
- Identifies risks and manages them.
- Shows strong commitment to the ITER safety program and enforces it through individual behaviour and in his/her organization.
- Maintains a strong commitment to the implementation and perpetuation of ITER values and ethics.

Qualifications Required:
At least 15 years experience in construction of large technical or science facilities, and in particular, in the successful completion of large power or chemical plant facilities in Europe. Expertise in interface management with technically complex systems. Knowledgeable of permitting procedures and legal environmental requirements in construction. Excellent safety record on previous construction jobs. Experience in project management and the use of modern management tools. Experience in effective

QA management and implementation. Possibility of staying in the project for more than 5 years.

Work Direction and Interfaces:
Reports to the HCCSSO. Interfaces with all technical divisions to support excellent integration. Implements and enforces Tier's QA program. Interfaces with the construction design team on building requirements and with the construction manager on cost effective implementation. Handles labour relations with civil construction workforce. Interfaces with domestic authorities on permits and environmental impact. Implements ITER safety program on the construction site.

Authority/Approval Levels:
Has authority and approval levels defined by the HCCSSO for his/her scope of work.

Measures of Effectiveness:
Successfully manages interface between technical system leaders and the design team for mechanical engineering of the Cadarache site infrastructure. Develops and maintains interface documentation.
Successfully manages budgets for the mechanical engineering construction of site facilities.
Successfully manages interface with Architect Engineer and the European Legal Entity.