



CATIA / ENOVIA V5 & 3DExperience Advanced Support

Summary Technical Specification

1 BACKGROUND AND OBJECTIVE

ITER Organization (IO) is using CATIA/ENOVIA V5 and 3DExperience from Dassault Systems in order to support design & engineering activities. In order to have it integrated, those systems must be adapted based on the needs and requirements from Design Office and IT.

The IO IT section is looking for consultant(s) to provide solutions of well-defined task orders that will address complex enhancements, bug fixing and development of top level architectures of solutions for the existing CATIA/ENOVIA V5 and 3DExperience.

The objective of this call for tender is:

- To select a provider recognized for its expertise in CATIA / ENOVIA & 3DExperience customization and enhancement;
- To conclude a framework contract that will supply services in CATIA / ENOVIA & 3DExperience advanced customization and platform support.

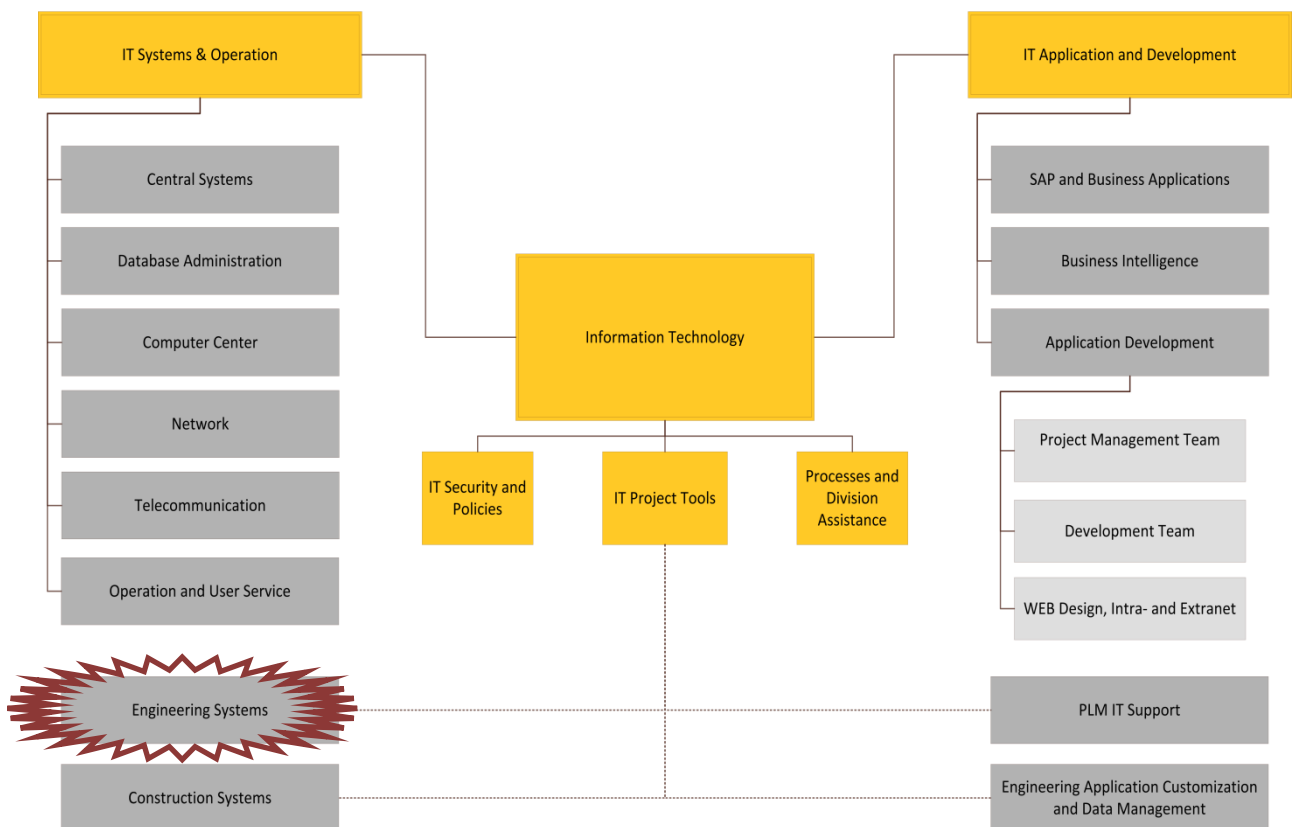
2 REQUIRED EXPERIENCE

The candidate companies shall have demonstrated capabilities in CATIA / ENOVIA V5 & 3DExperience, for large and complex organizations, preferably in an international environment and in a complex contractual and organization setup (comparable to the ITER project).

IOs cost containment objectives also favour companies with a proven track record of delivering projects on time and within budget. The specific experience and qualities sought by IO include:

- Higher diploma or certificates in Engineering, Computer Science or equivalent for the resources being proposed by the company;
- At least 5 years' experience and outstanding skills in CATIA/ENOVIA V5 & 3DExperience implementation and customization;
- Proven expertise in the technical fields listed in part 4;
- Proven track record of delivering successful same type of service;
- Ability to respond rapidly to changing resource requirements, to accommodate peak demands, and to provide specific expertise;
- Capability to mobilise and manage centralised, site-based resources.

3 INFORMATION SYSTEM AND IT LANDSCAPE



The scope of this call for tender is highlighted in red.

4 SCOPE OF WORK

The scope of work is divided in 3 main areas of support:

- Implementation of CATIA/ENOVIA V5 & 3DEXperience customizations based on functional and technical specifications submitted by IO, testing, and deployment of the tools. This also includes fixing of the reported bugs and enhancement of ITER specific custom features based on defined needs.
- Customization / configuration needed for integration with other design office tools including DELMIA, 3Dlive, 3DVia composer, drawing title block generation tool, Q-checker, CADENAS, etc.
- Customization needed for integration with other enterprise tools deployed by ITER. This includes but is not limited to ICP (ITER Collaborative Platform), data warehouse and business intelligent tools, SmartPlant solutions, etc. This also includes the maintenance of integration tools already implemented and to be implemented.

This also includes the processes integration, testing and bug hunting, technical documentation, data management, data analysis and data migration/correction by scripts.

Technical scope

The contractor and its personnel shall have adequate experience in software engineering with CATIA/ENOVIA V5 & 3DEXperience. This includes but is not limited to:

- Data Model customization
- Software Development in C++ and other languages
- Software development with CAA
- Life-cycle management
- Development of processes, methodologies...
- ENOVIA LCA Viewer
- 3D.map, file-introspection system
- ENOVIA LCA Replication module (up to 8 concurrent sites)
- Mechanical and Equipment & Systems Catalogues
- Interfaces with other external software (DELMIA, analysis...)
- Interfaces with external DB such as Share-Point and SPM (IGE-XAO)
- Contribution to the interfaces with the IT office and software Editors
- Interfaces with Windows Servers
- Software customization support consulting for other ITER-like complex systems
- Collaborative design with remote design Partners
- Testing new software, software modules & functionalities
- Complying with Quality Assurance standards
- Demonstrated ability to produce high quality consultancy results
- Flexibility and adaptability to new requirements and work methodologies

- A high level of autonomy and neutrality
- Capability to efficiently work within a team
- Very good active and passive knowledge of written and spoken English

5 QUALITY ASSURANCE REQUIREMENTS

For the entire duration of the framework contract, Contractors shall hold, and maintain, a valid and relevant ISO 9001 and 14001 certification or comparable.

The missions and tasks executed under this framework contract shall be carried out in compliance with the ITER IT policies, and the IO Quality Requirements.

6 CONTRACT BASIS AND EXECUTION

The duration of the framework contract shall be 1 years. The IO may exercise the option to extend these services for 4 times 1 year. Such option shall be exercised by written notice to the contractor no later than 30 days before the expiration of the initial term of the contract or of the additional period.

This Framework Contract will be implemented by means of “Task Orders” (TO), signed by the Supplier and the IO. The TOs will be organized in work packages (WP) reflecting the ITER needs. We have defined for this framework contract, the following 4 WP types:

- Type 1: New features implementation
- Type 2: Bug fixing or enhancement of already implemented features
- Type 3: Top level architecture design, data migration and correction script.
- Type 4: Mentoring and coordination of team members (coaching and training)

7 PREQUALIFICATION REQUIREMENTS

The pre-selection criteria for this Call for Tender shall include, but shall not necessarily be limited to the following requirements, supported by appropriate references:

Established Company with a minimum of 5 years demonstrated experience in providing similar services to large complex international or public organizations

Proven track record of delivering services on time and within budget.

Demonstrated experience in the successful implementation of providing the services and expertise listed in part 4.

More information on ITER Organization Procurement process can be found at:

<https://www.iter.org/org/team/adm/proc/Pages/Welcome.aspx>