

TECHNICAL SUMMARY

CATIA-ENOVIA-AVEVA Quality Assurance (QA) and Quality Control (QC)

Call for Nomination

Purpose

The present summary defines the needs of Design Office (DO) in CATIA/ENOVIA/AVEVA QA and QC tasks as well as in the implementation of DO processes such as CAD collaboration, storage in SMDD/PLM and Catalogues production for a duration of 5 years: 4 firm years and 1 additional optional year.

Background

ITER Organization produces in house and receives a substantial amount of CAD data from their Domestic Agencies, Contractors and Suppliers. One of the main mission of the Design Office is to ensure the high quality and coherency of this data and to maintain the reliability of the databases.

For this purpose, the ITER Organization is looking for a Contractor with relevant experience in the field to support their missions in terms of CAD data Quality Assurance and Quality Control.

Scope of Work

The scope of the task is to provide experimented contribution in the management of the IO CAD data, in particular with regards to the CAD databases (ENOVIA, AVEVA, and SMDD)

The scope is based on the following Areas:

- a. CATIA/ENOVIA/AVEVA QA and QC tasks
- b. Implementation of specific IO CAD & QA/QC Processes
- c. Contribution to issue solving and associated report drafting;
- d. CAD Conversion (Maintenance of Multi-CAD Context)

The Task envisaged for these services are:

1. CATIA/ENOVIA/AVEVA QA/QC, DO processes related to DECO. These task are: CATIA/ENOVIA Cursory Checks, AVEVA QA Check in E3D, 2D-3D Coherency Check, data promotion in the relevant database, Context branch update, 3DXML context creation from ENOVIA and AVEVA,CAD, integration correction / update, AVEVA QA Correction for Support in E3D, AVEVA Support Drawing Clean and Data collection, reporting and coaching among others.
2. CAD Collaboration based on DET procedure: Procedure for ITER CAD Data Exchanges (ANNEX 1)
3. CAD catalogues production, based on Tickets assigned to contractor from the 3D Catalogue Request Tickets, Produce or modify CATIA Plant Catalogue to fulfil ticket request.

The overall scope deals with all IO CAD data; therefore, the tasks will be performed directly in the IO's databases.

All the services shall be performed at IO premises, in order to ensure the same access to the database than Design Coordinators (DECOs) and secure the quick reaction time (blockers and critical tickets).

Timetable

The tentative timetable for setting up the contract is as follows:-

- Call for nomination : March 2019
- Pre-Qualification: May 2019
- Call for Tender: June 2019
- Award of the Contract: September 2019

Conflict of interest

- As the main part of the task consists in CAD data checking on behalf of IO, the contractor shall not be involved in any other CAD activity in IO.
- The contractor selected will not be able to participate to any tender process related to any other CAD task for IO and will be disqualified.

Experience

The main part of the contractual scope being related to CATIA / ENOVIA, and due to the criticality of the task and the expertise required contractor shall be able to provide:

- Minimum 4 PBS architects (referred as PBSA for IO) as part of the main team:

Requirements / knowledge:

- Full knowledge of ENOVIA (Review all ENOVIA concepts, Variant/Alternative data structure and creation)
 - Good English, DES-A previous Certification;
 - Mechanical: Reference Skeleton creation
 - Plant: N/A
- Minimum 1 PBSA as back up
 - Minimum 3 Advanced Designers (referred as DESA for IO) with more than 6 months experience as DESA as back-up

Requirements / knowledge:

- ENOVIA functionalities and Advanced CAD methodologies;
- Advanced ENOVIA objects, Advanced VPMNav interface, Advanced CAD properties ,
- Advanced ENOVIA assembly types, Advanced CAD data quality, Advanced lifecycle.

Aiming at covering the AVEVA QA/QC actions, the contractor shall be able to provide:

- Minimum 1 user with 1 years' experience in AVEVA E3D
- Minimum 1 user with 6 months' experience in AVEVA Diagram

Aiming at covering the tasks related to file preparation for analysis, the contractor shall be able to provide:

- Minimum 1 user already trained in SpaceClaim.

Candidature

Participation is open to all legal persons participating either individually or in a grouping (consortium) which is established in an ITER Member State.

The UK is not a party to the ITER Agreement but part of EURATOM. In the most likely scenario of a BREXIT without a withdrawal agreement between the EU and the UK or a delay of the BREXIT date (no deal BREXIT), then until 30 March 2019, the UK remains a full member of the EU and until that date UK entities retain the right to participate in IO procurement procedures. However, as from 30 March 2019, any UK bidding as a prime contractor or consortium partner, will be rejected from the procurement procedures as UK entities will no longer have the right to participate in IO procurement procedures.

A legal person cannot participate individually or as a consortium partner in more than one application or tender. A consortium may be a permanent, legally-established grouping or a grouping, which has been constituted informally for a specific tender procedure. All members of a consortium (i.e. the leader and all other members) are jointly and severally liable to the ITER Organization. The consortium cannot be modified later without the approval of the ITER Organization.

Legal entities belonging to the same legal grouping are allowed to participate separately if they are able to demonstrate independent technical and financial capacities. Bidders' (individual or consortium) must comply with the selection criteria. IO reserves the right to disregard duplicated references and may exclude such legal entities from the tender procedure.

Reference

Further information on the ITER Organization procurement can be found at: <http://www.iter.org/org/team/adm/proc/overview>