

## 外部委託業者の募集

References: IO/24/OT/10028966/VML

### "Multi-CAD Platform Development"

(マルチ CAD プラットフォームの開発)

IO 締め切り 2024 年 7 月 12 日(金)

#### 〇はじめに

本事前情報通知 (PIN) は、作業契約の入札授与および実行につながる公開入札調達プロセスの最初のステップです。

本文書の目的は作業範囲と入札プロセスに関する技術的な内容の基本的な要約を提供することです。

#### 〇背景

ITER は平和利用の核融合発電の科学的小および技術的な実現可能性の実証を目的とした、国際共同研究開発プロジェクトです。ITER 機構の 7 つのメンバーは、;欧州連合 (EURATOM が代表)、日本、中華人民共和国、インド、大韓民国、ロシア連邦、および米国です。

ITER の敷地はフランス南東部のブーシュデュローヌ地区にあり、ITER 本社 (HQ) もあるフランス CEA サン・ポール・レ・デュランス に近いところに位置しています。詳細については、ITER のウェブサイト <http://www.iter.org> を参照して下さい。

#### 〇作業範囲

現在の入札プロセスは、以下の目的でマルチCADプラットフォーム開発のサービス契約を設立することを目指しています：

- IO公認CADツール間での効率的なCADおよびエンジニアリングメタデータの交換を確保すること
- CAD設計者がマルチCAD環境で作業できるようにすること (同時設計...)
- Navisworksを導入することにより、複数の利害関係者がマルチCAD環境でアクセスして表示できるようにすること (CADデータの閲覧)
- 

作業範囲およびすべての要件は、技術仕様書「ITER\_D\_A4YEQ6 v1.2」(このPINに添付されています) で定義されています。

#### 〇調達プロセスと目的

目的は、競争入札プロセスを通じて供給契約を落札することです。

この入札のために選択された調達手続きは公開入札手続きと呼ばれます。

オープン入札手順は、次の 4 つの主要なステップで構成されています。

- ステップ 1-事前情報通知 (PIN)

事前情報通知は公開入札プロセスの第一段階です。IO は、関心のある候補企業に対し、以下

の概略日程に示された期日までに担当調達担当官に添付の関心表明フォームで以下の情報を提出し、競争プロセスへの関心を示すよう正式に要請します。

- 会社名
- 登録の国名
- 担当者名、email アドレス、肩書および電話番号

**特に注意:**

関心のある候補企業は、IO Ariba の電子調達ツール「IPROC」に登録してください（まだ登録していない場合）。手順については、

<https://www.iter.org/fr/proc/overview>

を参照してください。

Ariba (IPROC) に登録する際には、お取引先様に最低 1 名の担当者の登録をお願いします。この連絡担当者は、提案依頼書の発行通知を受け取り、必要と思われる場合は入札書類を同僚に転送することができます。

➤ ステップ 2-入札への招待

PIN の発行から 10 作業日経過後、提案依頼書 (RFP) を「IPROC」に掲載します。この段階では、担当の調達担当者に関心を示し、かつ IPROC に登録している関心のある候補企業は、RFP が公表された旨の通知を受けることができます。その後、RFP に詳述されている入札説明書に従って提案書を作成し、提出します。

このツールに登録されている企業のみが入札に招待されます。

➤ ステップ 3-入札評価プロセス

入札者の提案は、IO の公平な評価委員会によって評価されます。入札者は、技術的範囲に沿って、かつ、RFP に記載された特定の基準に従って作業を実施するために、技術的遵守を証明する詳細を提供しなければなりません。

➤ ステップ 4-落札

認定は、公開されている RFP に記載されている、コストに見合った最適な価格または技術的に準拠した最低価格に基づいて行われます。

## ○概略日程

概略日程は以下の通りです：

マイルストーン	暫定日程
事前指示書 (PIN) の発行	2024 年 6 月 28 日
関心表明フォームの提出	2024 年 7 月 12 日

iPROC での入札への招待（ITT）の発行	2024 年 7 月 22 日
明確化のための質問の締め切り	2024 年 8 月 30 日
明確化のための質問への回答締め切り	2024 年 9 月 13 日
入札提出	2024 年 10 月 18 日
契約授与	2024 年 11 月 15 日
契約調印	2025 年 1 月 1 日

## ○契約期間と実行

ITER機構は2024年の11月ごろ供給契約を授与する予定です。予想される契約期間は36か月の予定です。

## ○経験

契約者は、IO の規則と安全性の要求に十分に準拠する能力と経験を持っていることを示す必要があります。

## ○候補

参加は、個人またはグループ/コンソーシアムに参加するすべての法人に開放されます。法人とは、法的権利及び義務を有し、ITER 加盟国内に設立された個人、企業又は機構をいいます。ITER 加盟国は欧州連合(EURATOM メンバー)、日本、中華人民共和国、インド共和国、大韓民国、ロシア連邦、アメリカ合衆国です。

法人は、単独で、またはコンソーシアムパートナーとして、同じ契約の複数の申請または入札に参加することはできません。共同事業体は、恒久的な、法的に確立されたグループ又は特定の入札手続のために非公式に構成されたグループとすることができます。

コンソーシアムのすべての構成員(すなわち、リーダーと他のすべてのメンバー)は、ITER 機構に対して連帯して責任を負います。

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指名されたコンソーシアムのリーダーは、入札段階で、コンソーシアムのメンバーの構成を説明する予定です。その後、候補者の構成は、いかなる変更も ITER 機構に通知することなく変更してはなりません。かかる認可の証拠は、すべてのコンソーシアムメンバーの法的に授権された署名者が署名した委任状の形式で、しかるべき時期に IO に提出しなければなりません。

どのコンソーシアムメンバーも IPROC に登録する必要があります。

【※ 詳しくは添付の英語版技術仕様書「**Multi-CAD Platform Development**」をご参照ください。】

ITER 公式ウェブ <http://www.iter.org/org/team/adm/proc/overview> からもアクセスが可能です。

「核融合エネルギー研究開発部門」の HP : <http://www.fusion.qst.go.jp/ITER/index.html>  
では ITER 機構からの各募集（IO 職員募集、IO 外部委託、IO エキスパート募集）を逐次更新しています。ぜひご確認ください。

## イーター国際核融合エネルギー機構からの外部委託 に関心ある企業及び研究機関の募集について

### ＜ITER 機構から参加極へのレター＞

以下に、外部委託の概要と要求事項が示されています。参加極には、提案された業務に要求される能力を有し、入札すべきと考える企業及び研究機関の連絡先の情報を ITER 機構へ伝えることが求められています。このため、本研究・業務に関心を持たれる企業及び研究機関におかれましては、応募書類の提出要領にしたがって連絡先情報をご提出下さい。



china eu india japan korea russia usa

Route de Vinon-sur-Verdon - CS 90 046 - 13067 St Paul Lez Durance Cedex - France

# **PRIOR INDICATIVE NOTICE (PIN)**

## **OPEN TENDER SUMMARY**

for

OT 10028966 - Multi-CAD Platform - VML

### **“Multi-CAD Platform Development”**

#### **Abstract**

The purpose of this summary is to provide prior notification of the IOs intention to launch a competitive Open Tender process in the coming weeks. This summary provides some basic information about the ITER Organisation, the technical scope for this tender, and details of the tender process for the provision of Technical Support Services for Equipment Qualification to the ITER Organization.

## **1 Introduction**

This Prior Indicative Notice (PIN) is the first step of an Open Tender Procurement Process leading to the award and execution of a Service Contract.

The purpose of this document is to provide a basic summary of the technical content in terms of the scope of work and the tendering process.

The Domestic Agencies are invited to publish this information in advance of the forthcoming tender giving companies, institutions or other entities that are capable of providing these services prior notice of the tender details.

## **2 Background**

The ITER project is an international research and development project jointly funded by its seven Members being the European Union (represented by EURATOM), Japan, the People’s Republic of China, India, the Republic of Korea, the Russian Federation and the USA. ITER is being constructed in Europe at St. Paul–Lez-Durance in southern France, which is also the location of the headquarters (HQ) of the ITER Organization (IO).

For a complete description of the ITER Project, covering both organizational and technical aspects of the Project, visit [www.iter.org](http://www.iter.org).

### 3 Scope of Work

The present tender process is aiming to set up a Service Contract for Multi-CAD platform development aiming at:

- Ensuring efficient CAD and Engineering Meta data exchanges between the IO authoring CAD tools
- Allowing CAD designers to work in a Multi-CAD environment (concurrent design...)
- Allowing several stakeholders to access and view in a Multi-CAD environment (CAD data viewing) by implementing Navisworks

The scope of work and all requirements are defined in the technical specifications ref. ITER\_D\_A4YEQ6 v1.2 (attached to this PIN).

### 4 Procurement Process & Objective

The objective is to award a Service Contract through a competitive bidding process.

The Procurement Procedure selected for this tender is called the Open Tender procedure.

The Open Tender procedure is comprised of the following four main steps:

- **Step 1- Prior Indicative Notice (PIN):**  
The Prior Indicative Notice is the first stage of the Open Tender process. The IO formally invites the Domestic Agencies to publish information about the forthcoming tender in order to alert companies, institutions or other entities about the tender opportunity in advance. **Interested tenderers are kindly requested to return the expression of interest form (Annex I) by e-mail by the date indicated in the procurement timetable below.**
- **Step 2 - Invitation to Tender (ITT):**  
Within 14 days of the publication of the Prior Indicative Notice (PIN), the Invitation to Tender (ITT) will be advertised. This stage allows interested bidders, who have seen the PIN, to obtain the tender documents and to prepare and submit their proposals in accordance with the tender instructions.
- **Step 3 – Tender Evaluation Process:**  
Tenderers' proposals will be evaluated by an impartial, professionally competent technical evaluation committee of the ITER Organization. Tenderers must provide details demonstrating their technical compliance to perform the work in line with the technical scope and in accordance with the particular criteria listed in the invitation to tender (ITT).
- **Step 4 – Contract award:**  
A service contract will be awarded on the basis of best value for money according to the evaluation criteria and methodology described in the Invitation to tender (ITT).

#### Procurement Timetable

The tentative timetable is as follows:

Milestone	Date
Publication of the Prior Indicative Notice (PIN)	28 June 2024
Submission of expression of interest form	12 July 2024
Invitation to Tender (ITT) advertisement	22 July 2024
Clarification Questions (if any) and Answers deadline	30 August 2024

Tender Submission	13 September 2024
Tender Evaluation & Contract Award	18 October 2024
Contract Signature	15 November 2024
Contract Commencement	1 January 2025

## 5 Quality Assurance Requirements

Prior to commencement of any work under this Contract, a “Quality Plan” shall be produced by the selected Contractor and submitted to the IO for approval, describing how they will implement the ITER Procurement Quality Requirements.

## 6 Contract Duration and Execution

The ITER Organization shall award a Service Contract in November 2024. The resulting Contract will be for a period of 36 months.

The working language of ITER is English, and a fluent professional level is required (spoken and written).

## 7 Experience

The tenderer shall form a team of the dedicated staff who shall have the required experience as detailed in the attached technical specifications in order to provide the required support service.

## 8 Candidature

Participation is open to all legal entities participating either individually or in a grouping / consortium. A legal entity is an individual, company, or organization that has legal rights and obligations and is established within an ITER Member State.

Legal entities cannot participate individually or as a consortium partner in more than one application or tender of the same contract. 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.

In order for a consortium to be acceptable, the individual legal entities included therein shall have nominated a leader with authority to bind each member of the consortium, and this leader shall be authorized to incur liabilities and receive instructions for and on behalf of each member of the consortium.

It is expected that the designated consortium lead will explain the composition of the consortium members in a covering letter at the tendering stage. Following this, the Candidate’s composition must not be modified without notifying the ITER Organization of any changes. Evidence of any such authorization shall be submitted to the IO in due course in the form of a power of attorney signed by legally authorized signatories of all the consortium members.

## 9 Sub-contracting Rules



Sub-contracting is allowed under this Contract. The maximum percentage of sub-contracting is limited to 30% of the total contract value.

All sub-contractors who will be taken on by the Contractor shall be declared with the tender submission in iPROC. Each sub-contractor will be required to complete and sign forms including technical and administrative information which shall be submitted to the IO by the tenderer as part of its tender.

The IO reserves the right to approve (or disapprove) any sub-contractor which was not notified in the tender and request a copy of the sub-contracting agreement between the tenderer and its subcontractor(s). Rules on sub-contracting are indicated in the RFP itself.

## EXPRESSION OF INTEREST & PIN ACKNOWLEDGEMENT

To be returned by e-mail to: [Virginie.Michel@iter.org](mailto:Virginie.Michel@iter.org) copy [Kathleen.Reich@iter.org](mailto:Kathleen.Reich@iter.org)

ITER Organization / ITER Headquarters  
Procurement Division, Building 81/140B  
Route de Vinon-sur-Verdon  
CS 90 046  
13067 St. Paul Lez Durance Cedex  
France

TENDER No. **OT 10028966 - Multi-CAD Platform - VML**  
DESIGNATION of SERVICES: **Multi-CAD Platform Development**  
Officer in charge: **Virginie Michel & Kathleen Reich  
– Procurement Division, ITER Organization**

- ☐ WE ACKNOWLEDGE HAVING READ THE PIN NOTICE **FOR** THE ABOVE-MENTIONED TENDER
- ☐ WE INTEND TO SUBMIT A TENDER
- ☐ WE WILL NOT TENDER FOR THE FOLLOWING REASONS:

.....

COMPANY STAMP

Signature:

Name: .....

Position: .....

Tel: .....

E-mail: .....

Date: .....

## Technical Specifications (In-Cash Procurement)

# Technical specification for Multi-CAD platform development

The present technical specification concerns the execution of several deliverables in relation with Multi-CAD platform development aiming at: Ensuring efficient CAD and Engineering Meta data exchanges between the IO authoring CAD tools Allowing CAD designers to work in a Multi-CAD environment (concurrent design...) Allowing several stakeholders to access and view in a Multi-CAD environment (CAD data viewing) by implementing Navisworks

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### 1 Preamble

Due to its engineering multidisciplinary, the ITER project is using several 2D and 3D CAD software for the engineering design and construction planning of the project. One of the missions of the IO DO is to ensure a CAD data and engineering data consistency between the CAD tools (CAD context) and other project software.

### 2 Purpose

The present technical specification concerns the execution of several deliverables in relation with Multi-CAD platform development aiming at:

- Ensuring efficient CAD and Engineering Meta data exchanges between the IO authoring CAD tools
- Allowing CAD designers to work in a Multi-CAD environment (concurrent design...)
- Allowing several stakeholders to access and view in a Multi-CAD environment (CAD data viewing) by implementing Navisworks

### 3 Acronyms & Definitions

#### 3.1 Acronyms

The following acronyms are the main one relevant to this document.

Abbreviation	Description
<b>CAD</b>	Computer Aided Design
<b>CRO</b>	Contract Responsible Officer
<b>CV5</b>	CATIA V5
<b>DO</b>	Design Office
<b>E3D</b>	AVEVA E3D
<b>GM3S</b>	General Management Specification for Service and Supply
<b>ICP</b>	ITER Collaborative Platform
<b>IO</b>	ITER Organization
<b>PRO</b>	Procurement Responsible Officer
<b>SSD</b>	See System Design
<b>TRO</b>	Technical Responsible Officer

#### 3.2 Definitions

**Contractor:** shall mean an economic operator who have signed the Contract in which this document is referenced.

**Domestic Agencies (DA):** Stakeholders of the ITER project, including: European Union, India, Japan, the People's Republic of China, the Republic of Korea, the Russian Federation and the United States of America.

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**Design Office (DO):** A unit within the IO with the overall responsibility to manage the CAD resources, CAD Production, CAD Infrastructure and Support Contracts to enable the project to perform its Engineering and CAD activities. It also has the mission to control CAD quality and efficiency of the design activities.

**Design Office infrastructure:** All processes, procedures, hardware and software that are required to enable the Design Office to perform its duties, including CAD activities at IO, Contractor's premises and at the DA/Suppliers.

**ITER Organization (IO):** An international Organization and team located in Cadarache and responsible, in close partnership with the Domestic Agencies, for the construction, commissioning, operations and maintenance of the ITER facility. The IO is in particular responsible for the requirements definition, the design, the performance, the configuration management, the project schedule, the monitoring of the construction, the assembly the commissioning, and the operations of ITER. The IO is also responsible for establishing appropriate CAD infrastructure platform and design collaboration schemes between the IO, the Domestic Agencies and suppliers.

**Contract Responsible Officer (IO-CRO):** shall mean the IO staff person accountable for the full-cycle contract performance including initiating the procurement request according to the procurement plan(s), preparing the technical documentation, in collaboration with the Procurement Officer, supporting the tendering process, ensuring the overall quality of the input data prepared for the tender and for the contract, and being the IO's single point of accountability for the overall performance of the contract once placed.

**Technical Responsible Officer (TRO):** Any IO staff responsible to the technical definition and provision of input for any given Contract. He/she is responsible to technically validate the deliverable outputs provided by the Contractor under an associated Contract under his/her responsibility.

**Work Unit:** It is a single repetitive and identical task that is used in order to define certain repetitive activities. The Technical Specifications can formulate several Work Unit Types and the Contractor shall assign a fixed cost to each type. The Work Units per se shall not be considered deliverables. One Work Unit or Several Work Units can be delivered as part of a Ticket or request to be completed as a task, the ticket is the formalization of the client's request.

## 4 Applicable Documents & Codes and standards

### 4.1 Applicable Documents

It is the responsibility of the Contractor to identify and request for any documents that would not have been transmitted by IO, including the below list of reference documents.

This Technical Specification takes precedence over the referenced documents. In case of conflicting information, this is the responsibility of the contractor to seek clarification from IO.

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Upon notification of any revision of the applicable document transmitted officially to the contractor, the contractor shall advise within 4 weeks of any impact on the execution of the contract. Without any response after this period, no impact will be considered.

Ref	Title	IDM Doc ID	Version
1	General Management Specification for Service and Supply (GM3S)	82MXQK	0.0
2	<a href="#">ITER_D_X3QQXG - ITER Software Toolmap</a>	X3QQXG	2.0
3	<a href="#">ITER_D_2F6FTX - Procedure for the Usage of the ITER CAD Manual</a>	2F6FTX	1.1
4	<a href="#">ITER_D_86WWK9 - HOW-TO access to NAVISWORKS Freedom at IO</a>	86WWK9	1.1
5	<a href="#">ITER_D_28QDBS - ITER Numbering System for Components and Parts</a>	28QDBS	5.0
6	<a href="#">ITER_D_249WV4 - CAD Manual 08 - Collaboration Processes</a>	249WV4	2.5
7	<a href="#">ITER_D_8ZSNLV - HOW TO use the 2D-3D checker in CATIA</a>	8ZSNLV	1.0
8	<a href="#">ITER_D_8A4Y4F - HOW TO Import E3D model in ENOVIA with appropriate granularity</a>	8A4Y4F	3.0

## 4.2 Applicable Codes and Standards

It is the responsibility of the contractor to procure the relevant Codes and Standards applicable to that scope of work.

## 5 Scope of Work

This section defines the specific scope of work for the service, in addition to the contract execution requirement as defined in Ref [1].

As mentioned in previous sections, the ITER Project is using several CAD software (both 2D and 3D) to publish CAD engineering deliverables. Consequently, the IO DO needs to maintain a Multi-CAD platform allowing exchange of CAD and Engineering data between CAD applications and other project software.

Two main aspects need to be addressed by this Multi-CAD platform:

- Concurrent design: allow CAD designer to work in Multi-CAD environment, i.e. allow them to access to some data that are not coming from the same CAD software. To address this need, it is expected to develop some tools enabling such exchange. Usage of neutral CAD formats is privileged, but in some cases, some models need to be rebuilt in native format, especially for interfaces.
- Viewing: Navisworks is a CAD viewer able to absorb a wide range of CAD formats. Its main features that are clashes detection, fast model opening and capability to enrich 3d model with attributes coming from external source. It is expected to integrate Navisworks in our CAD infrastructure.

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### 5.1 Scope of work #1: User Support

The Contractor will provide support to users of the Multi-CAD platform, answering directly to users. Several categories of task are foreseen and will be managed through CAD ticket system. IO TRO will define the category. The user support will be mainly dedicated for the CAD conversion team or Navisworks users.

The Estimated effort for completion of the ticket or work Unit is encoded as follows:

Size	Estimated effort ('hour)
XS	1
S	4
M	8
L	16
XL	40

Four categories of **CAD tickets** are defined:

- **WU C1-XS:** defines an issue or a question which is recurring from time to time and the solution is known or the solution can be found without intensive investigation or test. The communication with the submitter and the documentation of the resolution can be done quickly..
- **WU C1-S:** defines an issue or a question, which was not raised previously, and/or the investigation or test requires some time because large amount of data is involved, remote connection is required, or several possible solutions have to be tested. A lot of communication with the submitter is required and the documentation of the resolution might lead to a dedicated document.
- **WU C1-M:** defines an issue, which was not raised previously, and the investigation or test may require long time because large amount of data is involved, remote connection or several possible solutions have to be tested because of the complexity. A lot of communication with the submitter is required and the documentation of the resolution leads to a dedicated document.
- **WU C1-L:** defines an issue, which was not raised previously, and the investigation or test may require long time because large amount of data is involved, remote connection or several possible solutions have to be tested because of the complexity. A lot of communication with the submitter is required and the documentation of the resolution leads to a dedicated document. Involvement of IO-IT or others end-users/ CAD support members is required to identify the root cause and to find a solution.
- **WU C1-XL:** defines an issue which was not raised previously, and the investigation or test require long time because a large amount of data is involved, remote connection or several possible solutions have to be tested because of the complexity. A lot of



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communication with the submitter is required and the documentation of the resolution leads to a dedicated document and a service request with the software editor or a specific development.

### 5.2 Scope of work #2: Multi-CAD platform enhancements, development and adaptation to project needs

The Contractor will provide support aiming at enhancing multi-CAD platform. This task consists in developing/maintaining the CAD infrastructure (tools, macros VBS, testing, associated guidelines...) related to CAD and Engineering Meta data exchanges between the tools. This scope of work is more related to allow concurrent design for CAD designers.

Several types of deliverables are expected:

- **WU C4-L – EDITOR SERVICE REQUEST:** Documentation describing a need for an enhancement or adaptation of the existing Multi-CAD platform. The specification leads to software editor task managed on its own system.
- **WU C5-S – DEVELOPMENT:** Simple development of macros (mainly in VBA) or batches aiming at exchanging CAD and metadata between CAD software. As, our CMM is managed through EV5, these developments will be mainly focused on CATIA. It is usually a small improvement of an existing macro
- **WU C5-M – DEVELOPMENT:** Medium development of macros (mainly in VBA) or batches aiming at exchanging CAD and metadata between CAD software. As, our CMM is managed through EV5, these developments will be mainly focused on CATIA.
- **WU C5-L – DEVELOPMENT:** Complex development of macros (mainly in VBA) or batches aiming at exchanging CAD and metadata between CAD software. As, our CMM is managed through EV5, these developments will be mainly focused on CATIA.
- **WU D4-XL– IT SPECIFICATION:** Documentation describing functional need for enhancement or adaptation of the existing CAD platform to new user requirements. The specification leads normally to IT task managed with Jira system.
- **WU D5-M - TEST REPORT:** shall confirm the solution provided or document remaining issues. A table recapping list of steps performed during the protocol test is expected.

### 5.3 Scope of work #3: CAD user and/or administrator documentation

CAD Software, conversion tools, CAD formats... are permanently evolving and therefore are impacting the Multi-CAD platform. All documentation describing methodologies and processes of conversion, HOW TOs need to be maintained with latest release.

- **WU D1-S – MULTI-CAD INFRASTRUCTURE Documentation:** Publication of an article in a CAD Newsletter
- **WU D1-M – MULTI-CAD INFRASTRUCTURE Documentation:** Update of documents aiming at:
  - describing Multi-CAD architecture between all CAD software used at IO with related process
  - describing a methodology to be followed by CAD users
- **WU D1-L – MULTI-CAD INFRASTRUCTURE Documentation:** Creation of documents aiming at:
  - describing Multi-CAD architecture between all CAD software used at IO with related process.
  - describing a methodology to be followed by CAD users.

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- updating of CAD Manual
- **WU Q2-L – MULTI-CAD INFRASTRUCTURE Process Monitoring:** Creation of reports aiming at tracking and/or reporting activities related to Multi-CAD platform such as tools usage, evolution of number of incidents, evolution of number of CAD documents (Diagrams, Ev5 Work Packages, E3D RVM...) extraction failures...

### 5.4 Scope of work #3: Training

- **WU T1-M – Training activities:**

Animation of workshop or training mainly on Navisworks. Purpose of this task will be to present the functionalities depending on usage of public (CAD designer, engineer...)

- **WU T1-L – Training activities:**

Creation of training material for Navisworks according to the PowerPoint Training Templates. Videos will also be required. Different levels of training will have to be deployed: from basic introduction to advanced functionalities.

- **WU T4-S - Proximity support activities:**

The daily experience shows that designers and engineers are reluctant to make a ticket if they have question/issue which can be answered or solved in max. 15 min. Therefore the proximity support activity is added to collect such kind of activity per month. A tracking list shall be delivered to document this activity.

Most of the time, for such kind of simple tasks, end-users will not open an IOCAD. They will contact the support team directly on ITER premises or by phone/Teams.

This proximity support will be recorded in a report collecting such kind of tasks per month. However, this proximity support shall not represent more than 25% of the total support activity prior TRO formal acceptance

### 5.5 Service Duration

The estimated start date of the services shall be after Contract signature by both Parties. Implementation of the activities shall only start after the Kick off Meeting (T0). The expected duration of tasks is T0 + 36 months.

T0 shall be within 4 weeks from the entry into force of the Contract.

## 6 Location for Scope of Work Execution

The services shall be rendered at the Contractor's premises (where the offices are at distance no longer than 1,500 Km from the IO Site).

The Contractor may be granted some space at the IO Premises, to facilitate the interaction of the services.

The contractor shall have at least one person on site during ITER working hours.

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The Contractor may propose partially an Off-shore scheme (More than 1,500 Km). In such case, the Contractor shall commit that the services are rendered and aligned with the timeframes and availability of the ITER Organization (8.30 a.m. – 5.30 p.m. CET / CEST resp.), this is done to guarantee the access to the Level 2 user support and to communicate with the DO Support Team.

**NOTE:** The On-Site location may be provisional and shall not be considered as an official and permanent allocation of the Contractor's staff. Presence on-site will be discussed after award and formalized during the Kick off Meeting of the Services.

In some circumstances, topics might be advantageously jointly worked on by the contractor and IO TRO or other interfaces more efficiently through in-person meeting or sessions. Should this case arise, the TRO or the contractor are both eligible to ask for these in-person sessions on IO site.

It is at the sole discretion of the IO to indicate the preferred locations for the implementation of the scope based on the locations mentioned above.

For contractor's staff located on/off site, the contract shall maintain records of activities performed and formally inform the CRO and TRO about:

- Solution foreseen to ensure work continuity and timely deliverables in the event of sick leave, staff resignation, planned training and holidays of the Contractor's personnel.

## 7 IO Documents

N/A

## 8 List of deliverables and due dates

The Supplier shall provide IO with the documents and data required in the application of this technical specification, the GM3S Ref [1] and any other requirement derived from the application of the Contract.

A minimum, but not limited to, list of documents is available hereafter with associated due dates:

Work Unit	Estimated average unitary Time (hours)	Estimated Quantities	Deliverable Description	Format
C1-XS	1	90	Ticket comment	JIRA ticket
C1-S	4	90	Ticket comment	JIRA ticket
C1-M	8	90	Ticket comment	JIRA ticket
C1-L	16	100	Ticket comment	JIRA ticket
C1-XL	40	72	Ticket comment	JIRA ticket
C4-L	16	5	Service request	service request in editor tool
C5-S	4	150	-Code -JIRA ticket	-VBA, CATScript, CAA... -JIRA ticket

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C5-M	8	200	-Code -JIRA ticket	-VBA, CATScript, CAA... -JIRA ticket
C5-L	16	180	-Code -JIRA ticket	-VBA, CATScript, CAA... -JIRA ticket
D1-S	4	36	Doc such as How to, training material,	PPT, Video, CAD data
D1-M	8	24	Doc such as How to, training material,	PPT, Video, CAD data
D1-L	16	36	Doc such as How to, training material,	PPT, Video, CAD data
D4-XL	40	36	Specification	Office Document
D5-M	8	146	Test report	Office Document
Q2-L	16	6	Report	Excel or Power Bi
T1-M	8	36	Record and transcript of the session, list of attendees	Office Document
T1-L	16	36	Document, Video, Confluence Page	Office Document, Video
T4-S	4	21	Report	Ticket system or Office document

(\*) T0 = Date of the Kick-off Meeting, to take place within 4 weeks from the entry into force of the Contract.

Supplier is requested to prepare their document schedule based on the above and using the template available in the GM3S Ref [1] appendix II.

## 9 Quality Assurance requirements

The Quality class under this contract is Design control – Class 2 and [Ref 1] GM3S section 8 applies in line with the defined Quality Class.

The use of computer software to perform a safety basis task activity such as analysis and/or modelling, etc. shall be reviewed and approved by the IO prior to its use, in accordance with ITER\_D\_258LKL - Working Instruction for the Qualification of ITER safety codes

## 10 Safety requirements

N/A

### 10.1 Nuclear class Safety

N/A

### 10.2 Seismic class

N/A

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### **11 Specific General Management requirements**

Requirement for [Ref 1] GM3S section 6 applies completed/amended with the below specific requirements:

#### **11.1 Contract Gates**

N/A

#### **11.2 Work Monitoring**

Monitoring of ticket resolution is done via ticket system during a weekly meeting.

#### **11.3 Meeting Schedule**

TRO will create a weekly meeting to review all on-going activities. During this meeting, the Contractor shall share a dashboard highlighting the performance of the CAD support, the progress on the other tasks and share the blocking points.

#### **11.4 CAD design requirements**

This contract requires for CAD activities, [Ref 1] GM3S section 6.2.2.2 applies