



IDM UID <b>92VWFY</b>
VERSION CREATED ON / VERSION / STATUS <b>25 Jul 2023 / 1.8 / Approved</b>
EXTERNAL REFERENCE / VERSION

**Technical Specifications (In-Cash Procurement)**

**Technical Specifications for the contract to Purchase  
Codes&Standards via an OPEN TENDER**

Technical Specifications for ITER Codes & Standards

## Table of Contents

<b>1</b>	<b>Subject .....</b>	<b>2</b>
<b>1.1</b>	<b><i>Responsibilities .....</i></b>	<b>2</b>
<b>1.2</b>	<b><i>Contract Execution and Duration.....</i></b>	<b>2</b>
<b>1.2.1</b>	<b><i>Outline of Contract Implementation.....</i></b>	<b>2</b>
<b>1.2.2</b>	<b><i>Time Schedule .....</i></b>	<b>2</b>
<b>2</b>	<b>Scope of Supply .....</b>	<b>3</b>
<b>3</b>	<b>Technical Requirements.....</b>	<b>3</b>
<b>3.1</b>	<b><i>Description .....</i></b>	<b>3</b>
<b>3.2</b>	<b><i>Requirements .....</i></b>	<b>3</b>
<b>4</b>	<b>Delivery.....</b>	<b>3</b>
<b>4.1</b>	<b><i>Requirements for Labelling, Packaging, Handling, Shipment and Storage.....</i></b>	<b>3</b>
<b>4.1.1</b>	<b><i>Scope of application.....</i></b>	<b>4</b>
<b>4.1.2</b>	<b><i>Handling/Access .....</i></b>	<b>4</b>
<b>4.1.3</b>	<b><i>Delivery to the ITER Site.....</i></b>	<b>4</b>
<b>5</b>	<b>Applicable and Reference Documents .....</b>	<b>5</b>
<b>5.1</b>	<b><i>Applicable Documents.....</i></b>	<b>5</b>
<b>6.</b>	<b>Quality Assurance (QA) requirements .....</b>	<b>5</b>
<b>7.</b>	<b>CAD Design Requirements (if applicable).....</b>	<b>5</b>
<b>8.</b>	<b>Safety Requirements.....</b>	<b>6</b>
<b>9.</b>	<b>Applicable and Reference Documents.....</b>	<b>6</b>
	<b>Applicable Documents &amp; List of Standard Appendices.....</b>	<b>7</b>
	<b>Acronyms.....</b>	<b>7</b>

# 1 Subject

ITER access to Codes & Standards (C&S) is based upon the organization daily need to consult norms for the design and construction of the ITER facility. ITER seeks to rent an online platform with a multi-license agreement to access standards for IO Staff.

**Supply Contract:** The Contractor is responsible for providing access to an online platform to access, read, download and print standards from selected publishers, which includes but it is not limited to the following: ASTM, EN, IEC, ISO and NF. The product should meet the acceptance criteria defined in this Technical Specification.

## Responsibilities

The responsibilities between the Parties is summarised in Table 1 (below) and is further detailed in the following sections.

Activity	IO	Contractor
Rental of an online platform to access Codes and Standards	A	R

**Table 1 Summary of the Responsibilities between the IO and the Contractor**

R = Responsible for organizing, performing and for the content

A = Review/Comment/Accept/Approve

## 1.1 Contract Execution and Duration

### 1.1.1 Outline of Contract Implementation

*The overall procurement cycle is divided into four (4) main phases:*

- *Access to the platform for ITER*
- *Onsite testing*
- *Acceptance of the C&S by ITER once verified compliance with the requirements*
- *Provision of online access to standard catalogues*

### 1.2.2 Time Schedule

The duration of the Framework Contracts will be four (4) years, with one (1) option to extend the Framework Contracts for up to one (1) year. The decision for extension shall be solely taken by the IO.

The work scope will be ordered through individual Task Orders, which will define scope and specific durations for each task ordered within the Framework Contract. Task Orders shall be communicated to the Contractor and formalized accordingly.

No Task Order shall have a duration beyond the end date of the Framework Contracts.

## 2 Scope of Supply

The IO requests to rent a dedicated platform for the supply of Codes & Standards that may include the following publishers: ASTM, EN, IEC, ISO and NF.

ITER IO already owns several norms included in the consolidated list of codes and standards. As such, every effort should be made by tenderers to avoid duplication of C&S already included in the consolidated list. The IO will not pay twice for the same standard should any duplicate still exists unless tenderers supply latest editions of existing standards.

## 3 Technical Requirements

### 3.1 Description

ITER Codes & Standards are established norms or requirements about technical systems that relate to ITER final designs and Procurement Arrangements (PAs).

#### 3.1.1 Requirements

The purchase of the ITER C&S will meet the following requirements:

1. C&S content shall be provided in English (wherein multi-language is acceptable as long as an English translation is present).
2. C&S content shall be provided in electronic format free of DRMs.
3. The supplier shall provide IO staff content that includes but it not limited to the following publishers: ASTM, EN, IEC, ISO and NF.
4. The Contractor shall provide content that is in line with ITER IO needs and requirements. An International Classification for Standards (ICS) list is available to guide the supplier to define the scope and needs of the organization. Additionally, ITER owns a large number of standards that do not need to be part of the scope of this request (both available in the list of Appendices).
5. The Contractor shall provide online access to search and access multi-users license standards with the ability for ITER to either read, download, and print the standards and / or read and print the standards. The estimated service volume for this access is expected to be <200.
6. The Contractor shall provide ITER administrator the role of granting and managing access to the platform.
7. The Contractor shall provide the ability to access the platform uninterruptedly to guarantee continuity of service and should communicate and solve eventual access/maintenance issues. Specifically, the contractor should ensure:
  - Availability of platform  $\geq 99.5\%$
  - Disaster Recovery (Recovery Point objective and Recovery Time Objective)
    - RPO = Up to 36 Hours
    - RTO = Up to 36 Hours of Continuous Support
    - Monday – Friday 9:00 – 17:00
    - A target response time between 3 and 24 hours per issue.

8. The Contractor will enable the platform with strong reporting capabilities to allow ITER administrator to monitor the usage of the platform to, possibly, adjust the list of C&S to the ITER IO needs.

9. The Contractor will describe the capabilities and integration requirement of the system to integrate with existing authentication mechanism (SAML supported) to enhance the user experience.

10. The Contractor devises a system to provide access, via the platform, to a predetermined number of tokens per year for the delivery of C&S to any of the ITER Domestic Agencies (DAs). (**Base unit of 35 tokens**). This is intended to gauge the C&S needs of ITER's domestic agencies and it will be triggered / revised with quantities annually.

## 4 Delivery

### 4.1 Requirements for Delivery

#### *Scope of application*

The following generic requirements apply for the access to the online platform from the Contractor to the ITER Site. The equipment shall be subject to control and inspection, as defined below.

#### 4.1.1 Delivery/Access

The Contractor will certify that the access to electronic standards and codes corresponds to the IO's List of Deliverables in Appendix 1, and that the licensing and usage corresponds to the requirement of IO staff.

#### 4.1.2 Delivery to the ITER Site

The files shall exclusively be made available through an online platform to the ITER Staff under the responsibility of the Contractor. The access to the online platform will be checked by the administrator assessing:

- The functionality of the platform: precision and recall;
- The type of files accessible online;
- The enclosed documentation;
- The integrity of the files.

In the case of anomalies of the online platform, the IO administrator shall make any additional relevant remark on the inspection. A decision will be made by the IO.

The signature of the final contract is an IO Hold Point. The original of the Delivery Report shall be kept by the IO and a copy of it shall be kept by the Contractor.

The online platform for the provision of C&S shall use Appendix I as a perimeter reference for the provision of codes. However, IO and the Contractor shall modify the list as they see it fit during the contract implementation.

## 6. Quality Assurance (QA) requirements

The organisation conducting these activities should have an ITER approved QA Program or an ISO 9001 accredited quality system.

The general requirements are detailed in [ITER Procurement Quality Requirements \(ITER\\_D\\_22MFG4\)](#).

Prior to commencement of the task, a Quality Plan must be submitted for IO approval giving evidence of the above and describing the organisation for this task; the skill of workers involved in the study; any anticipated sub-contractors; and giving details of who will be the independent checker of the activities (see [Procurement Requirements for Producing a Quality Plan \(ITER\\_D\\_22MFMW\)](#)).

Documentation developed as the result of this task shall be retained by the performer of the task or the DA organization for a minimum of 5 years and then may be discarded at the direction of the IO. 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 [Quality Assurance for ITER Safety Codes \(ITER\\_D\\_258LKL\)](#).

## 7. CAD Design Requirements (if applicable)

For the contracts where CAD design tasks are involved, the following shall apply:

The Supplier shall provide a Design Plan to be approved by the IO. Such plan shall identify all design activities and design deliverables to be provided by the Contractor as part of the contract.

The Supplier shall ensure that all designs, CAD data and drawings delivered to IO comply with the Procedure for the Usage of the ITER CAD Manual ([2F6FTX](#)), and with the Procedure for the Management of CAD Work & CAD Data (Models and Drawings [2DWU2M](#)).

The reference scheme is for the Supplier to work in a fully synchronous manner on the ITER CAD platform (see detailed information about synchronous collaboration in the ITER [GNJX6A](#) - Specification for CAD data production in ITER Contracts.). This implies the usage of the CAD software versions as indicated in CAD Manual 07 - CAD Fact Sheet ([249WUL](#)) and the connection to one of the ITER project CAD data-bases.

Any deviation against this requirement shall be defined in a Design Collaboration Implementation Form (DCIF) prepared and approved by DO and included in the call-for-tender package. Any cost or labour resulting from a deviation or non-conformance of the Supplier with regards to the CAD collaboration requirement shall be incurred by the Supplier.

## 8. Safety requirements

ITER is a Nuclear Facility identified in France by the number-INB-174 (“Installation Nucléaire de Base”).

For Protection Important Components and in particular Safety Important Class components (SIC), the French Nuclear Regulation must be observed, in application of the Article 14 of the ITER Agreement.

In such case the Suppliers and Subcontractors must be informed that:

The Order 7th February 2012 applies to all the components important for the protection (PIC) and the activities important for the protection (PIA).

The compliance with the INB-order must be demonstrated in the chain of external contractors.

In application of article II.2.5.4 of the Order 7th February 2012, contracted activities for supervision purposes are also subject to a supervision done by the Nuclear Operator.

For the Protection Important Components, structures and systems of the nuclear facility, and Protection Important Activities the contractor shall ensure that a specific management system is implemented for his own activities and for the activities done by any Supplier and Subcontractor following the requirements of the Order 7th February 2012 [20].

## 9. Applicable and Reference Documents

### *Applicable Documents*

#### *List of Appendices:*

#### **Appendix 1:**

- ICS ITER families – most standards families used at ITER according to the International Classification for Standards.
- ITER list of already owned standards - purchased in the past and legally owned by ITER
  - ITER\_ISO\_norms
  - ITER\_IEC\_norms
  - ITER\_EN\_norms

## Acronyms

ASME	The American Society of Mechanical Engineers
ASTM	American Society for Testing Materials
C&S	International Codes and Standards
EN	European Standards
IEC	International Electrotechnical Commission
IO	ITER Organization
ISO	International Organization for Standardization
NF	Norme Française
PA	Procurement Arrangements
PR	Project Requirements
R	Review
RO	Responsible Officer