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## SUMMARY

### Call For Tender IO/19/CFT/17766/ERA

#### **Manufacturing design and procurement of ACS and CCM subsystems**

##### **Purpose**

The ACS-CCM system will perform on ITER:

- Access Control,
- Intrusion Detection,
- Video Surveillance.

The purpose of the contract is to perform the ACS-CCM manufacturing design, procurement, manufacturing, configuration, installation, integration, commissioning and training.

##### **Background**

ITER is a joint international research and development project for which initial construction activities have recently started. The project aims to demonstrate the scientific and technological feasibility of fusion power for peaceful purposes. The seven Members of the ITER Organization are 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 will be constructed in Europe, at Cadarache, in southern France, where the ITER Organization (IO) has its headquarters.

ITER is a 180-hectare site with more than 30 buildings. The facility is a nuclear research site and a Basic Nuclear Installation (INB according to French wording).

The ACS-CCM system shall ensure the security of that site and support the safety and operation of the facility.

ITER has selected the products for the system:

- AEOS NEDAP for the Access Control System,
- Milestone Xprotect for the Video Management System.

##### **Scope of work**

The scope of the work to be performed by the Contractor covers the following activities for the complete ACS-CCM Sub-systems:

- Manufacturing Design;
- Manufacturing Readiness Review (MRR) organization, and MRR meeting execution until success;
- Procurement of all components part of this Contract specifications;
- Creation of a test platform;
- Components pre-integration at contractor's premises;
- Testing in factory;
- Packaging and shipping;
- Installation;
- Components integration in buildings;
- System integration with Central Components (servers);
- Testing on site;
- Commissioning;
- Warranty;
- Complete documentation of all components and systems delivered within this Contract.

The main hardware components to deliver are (provisional list with orders of magnitude):

- Cubicles equipped with power supplies, doors controllers and cables marshalling for security field devices (about 40),
- Wall Mounted Panels equipped with power supplies, doors controllers and cables marshalling for security field devices (about 30),
- Door Controllers (about 80),
- Badge Readers (about 150),
- Cameras (about 140),
- Motion sensors (about 30),
- Full height turnstiles (about 10),
- Key Boxes (about 10),
- Enrolment stations peripherals and badge printers and encoders,
- Video Wall (1),
- All associated software licences.

The hardware components listed below are not in the scope of the contract:

- Servers hardware,
- PC, screen, keyboard, mouses for all operator stations/clients,
- Network switches,
- Firewalls,
- Door locks and door's opening sensors and associated junction boxes (already installed),
- Cabling between components and enclosures.

The software components listed below are not in the scope of the contract:

- Windows base software
- SQL software,
- Software related to IT base services (AD, Radius...).

### **Contract schedule**

The Contract is scheduled to come into force end of 2020 for a duration of four (4) years. It will be phased as following:

1. **Phase 1:** Manufacturing design;
2. **Phase 2:** ACS, CCM installation and commissioning of Central Components (up to mid 2022);
3. **Phase 3:** Switch over from legacy access control and video management system to new ones (mid 2022);
4. **Phase 4:** Buildings components installation, acceptance and commissioning (up to 09/2024);
5. **Phase 5:** Overall Final Acceptance (up to end 2024).

### **Procurement timetable**

The tentative timetable is as follows:

Call for Nomination Release	August 2019
Receipt of Nominations	September 2019
Issuance of Pre-qualification Application	October 2019
Receipt of Prequalification Application	November 2019
Notification of Prequalification Results	January 2020
Issuance of Call for Tender	February 2020
Tender Proposals Due Date:	April 2020
Estimated Contract Award Date:	End October 2020
Estimated Contract Start Date:	01/01/2021

### **Experience**

The company's experience shall cover a broad range as listed below.

- Design of security systems for large sites requiring high security level,
- Access Control and Intrusion Detection based on EOS NEDAP product,
- Video Surveillance based on Milestone Xprotect product,
- Experience of deployment of security systems on complex worksites.

## **Candidature**

Participation is open to all legal persons participating either individually or in a grouping (consortium). All legal persons including all consortium members should be established in an ITER Member State. 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.

The Contract will be a Contract involving elaboration, handling and storage of French Classified Information by the Contractor. Candidate shall be familiar with the Instruction Générale Interministérielle n° 1300 dated 30 November 2011 which covers its obligations resulting from having knowledge or possession of French Classified Information and media falling under French national defence confidentiality measures. A Security Annex will be included in the Contract.

In particular, some work premises of the Contractor shall be configured in order to guarantee French national defence confidentiality under the conditions defined in the Instruction Générale Interministérielle n° 1300.

In order to participate in this tender, any non-French supplier must be legally registered in a State which has signed a security agreement with the French State for exchanging French Classified Information.

## **Reference**

Further information on the ITER Organization procurement can be found at:  
<https://www.iter.org/proc/generalinfo>.