

## 152152-2026 - Competition

Switzerland – Laboratory, optical and precision equipments (excl. glasses) – Measuring device for Internet of Things (IoT)

OJ S 44/2026 04/03/2026

Contract or concession notice – standard regime

Supplies

### 1. Buyer

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#### 1.1. Buyer

Official name: Federal Office for Defence Procurement armasuisse

Email: [wto@armasuisse.ch](mailto:wto@armasuisse.ch)

Legal type of the buyer: Body governed by public law, controlled by a central government authority

Activity of the contracting authority: Defence

### 2. Procedure

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#### 2.1. Procedure

Title: Measuring device for Internet of Things (IoT)

Description: The procurement includes the purchase of one (1) measuring device for the Internet of Things (IoT) as a complete system – from the antenna to protocol analysis, including the associated computer. The reception range must at least meet the requirements of the protocol used over the air (OTA). The frequency range should be between 137 MHz and 7 GHz. The system must be transportable and installable by one person.

Procedure identifier: d49058be-6584-4144-b37e-9d8d633bd1a8

Type of procedure: Open

The procedure is accelerated: no

##### 2.1.1. Purpose

Main nature of the contract: Supplies

Main classification (cpv): 38000000 Laboratory, optical and precision equipments (excl. glasses)

##### 2.1.4. General information

**Legal basis:**

Directive 2014/24/EU

##### 2.1.6. Grounds for exclusion

Sources of grounds for exclusion: Notice

Analogous situation like bankruptcy, insolvency or arrangement with creditors under national law: Further details in the official publication on [simap.ch](http://simap.ch)

### 5. Lot

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#### 5.1. Lot: LOT-0000

Title: Measuring device for Internet of Things (IoT)

Description: The procurement includes the purchase of one (1) measuring device for the Internet of Things (IoT) as a complete system – from the antenna to protocol analysis,

including the associated computer. The reception range must at least meet the requirements of the protocol used over the air (OTA). The frequency range should be between 137 MHz and 7 GHz. The system must be transportable and installable by one person.

#### **5.1.1. Purpose**

Main nature of the contract: Supplies

Main classification (cpv): 38000000 Laboratory, optical and precision equipments (excl. glasses)

Additional classification (cpv): 32352000 Aerials and reflectors, 38430000 Detection and analysis apparatus, 38433300 Spectrum analyser, 38552000 Electronic meters, 48000000 Software package and information systems

##### **Options:**

Description of the options: - Option 1 Additional measurement systems: Procurement of a maximum of four (4) additional measurement systems for IoT in accordance with the technical requirements - Option 2 Automatic bearing: Expansion of the system with the specified functionality - Option 3 I/Q data: Expansion of the system to include TX replay functionality - Option 4 LoRa protocol variants: In addition to the basic LoRa protocol, common protocol variants such as LoRaWAN, Meshtastic, MeshCore and MeshCom are also supported - Option 5 Value retention: Value retention includes the expansion of the measurement systems with additional protocols, new hardware and/or software functions

#### **5.1.2. Place of performance**

Town: Biel / Bienne

Postcode: 2503

Country subdivision (NUTS): Bern / Berne (CH021)

Country: Switzerland

#### **5.1.3. Estimated duration**

Start date: 01/07/2026

Duration end date: 31/12/2036

#### **5.1.4. Renewal**

Maximum renewals: 0

#### **5.1.6. General information**

##### **Reserved participation:**

Participation is not reserved.

The names and professional qualifications of the staff assigned to perform the contract must be given: Not yet known

Procurement Project not financed with EU Funds.

The procurement is covered by the Government Procurement Agreement (GPA): yes

#### **5.1.9. Selection criteria**

Sources of selection criteria: Notice

Criterion: Other economic or financial requirements

Description of selection criterion: The criteria are defined in the official publication on simap.ch.

Criterion: Enrolment in a trade register

Description of selection criterion: The criteria are defined in the official publication on simap.ch.

Criterion: Relevant educational and professional qualifications

Description of selection criterion: The criteria are defined in the official publication on simap.ch.

#### 5.1.10. Award criteria

**Criterion:**

Type: Price

Name: Z1 Price

Description: The total price according to the document 'Annex II.1 Price sheet' is assessed using the asymptotic price evaluation method. Evaluation:  $\text{Points} = 30 * (P_{\min} / P)^2$

Category of award weight criterion: Weight (percentage, exact)

Award criterion number: 30

**Criterion:**

Type: Quality

Name: A2 Efficiency in protocol implementation

Description: The protocols required in the Technical Requirements TR4 (document Annex I.1 Technical requirements) will be implemented as specified within shorter time frames.

Evaluation  $\leq 6$  months (20 points) |  $\leq 12$  months (10 points) |  $> 12$  months (0 points)

Category of award weight criterion: Weight (percentage, exact)

Award criterion number: 20

**Criterion:**

Type: Quality

Name: A3 Battery mode

Description: The batteries can be exchanged during operation (hot swap) without the measurement device having to be interrupted or restarted. Evaluation Hot-swap functionality available (10 points) | No hot-swap functionality available (0 points)

Category of award weight criterion: Weight (percentage, exact)

Award criterion number: 10

**Criterion:**

Type: Quality

Name: A4 Automatic direction finding

Description: After identification of the transmission, the system offers filtered direction finding based on the ID. Evaluation Automatic bearing (10 points) | Manual bearing (0 points)

Category of award weight criterion: Weight (percentage, exact)

Award criterion number: 10

**Criterion:**

Type: Quality

Name: A5 I/Q data: TX replay

Description: The system can be extended by the functionality of TX replay. This includes both a hardware extension as well as a corresponding software implementation. Here, it must be ensured that the system can deal with different channel bandwidths of WiFi signals. Evaluation TX replay functionality available (10 points) | No TX replay functionality available (0 points)

Category of award weight criterion: Weight (percentage, exact)

Award criterion number: 10

**Criterion:**

Type: Quality

Name: A6 Bandwidth

Description: The system offers an extended real-time bandwidth of up to 40 MHz. Evaluation 0,5 points per MHz.

Category of award weight criterion: Weight (percentage, exact)

Award criterion number: 10

**Criterion:**

Type: Quality

Name: A7 Framework contract, Contract for work and materials: Article 5.1 Material guarantee  
Description: The provider confirms how many months guarantee it gives on the system.  
Evaluation  $\geq$  60 months (10 points) |  $\geq$  48 months (7 points) |  $\geq$  36 months (5 points) |  $>$  24 months (3 points) |  $\leq$  24 months (0 points)  
Category of award weight criterion: Weight (percentage, exact)  
Award criterion number: 10

#### 5.1.11. Procurement documents

Access to certain procurement documents is restricted  
Information about restricted documents is available at: <https://www.simap.ch/de/redirect?context=eyJwYWdlIjoicHJvamVjdCIsInJvbGUlOm51bGwslm9yZ0kljpudWxsLCJwcm9qZWN0SWQ>  
**Ad hoc communication channel:**  
Name: Simap.ch

#### 5.1.12. Terms of procurement

##### Terms of submission:

Electronic submission: Allowed  
Address for submission: <https://www.simap.ch/de/redirect?context=eyJwYWdlIjoicHJvamVjdCIsInJvbGUlOm51bGwslm9yZ0kljpudWxsLCJwcm9qZWN0SWQ>  
Languages in which tenders or requests to participate may be submitted: German, French, Italian, English  
Electronic catalogue: Not allowed  
Variants: Not allowed  
Tenderers may submit more than one tender: Not allowed  
Deadline for receipt of tenders: 13/04/2026 23:59:00 (UTC+02:00) Eastern European Time, Central European Summer Time  
Duration during which the tender must remain valid: 180 Days

##### Terms of contract:

The execution of the contract must be performed within the framework of sheltered employment programmes: Not yet known  
Conditions relating to the performance of the contract: Further details in the official publication on simap.ch  
Electronic invoicing: Required  
Electronic ordering will be used: no  
Electronic payment will be used: yes  
Financial arrangement: Further details in the official publication on simap.ch

#### 5.1.15. Techniques

##### Framework agreement:

No framework agreement

##### Information about the dynamic purchasing system:

No dynamic purchase system

#### 5.1.16. Further information, mediation and review

Review organisation: Tribunal administratif fédéral  
Information about review deadlines: Instructions on legal remedies In accordance with Article 56 paragraph 1 of the Public Procurement Act (PPA), a written appeal against this decision can be lodged with the Federal Administrative Court, P.O. Box, 9023 St. Gallen, Switzerland, within 20 days of notification. Any appeal is to be submitted in duplicate and must include what is being sought, the grounds for appeal, evidence and the signature of the person lodging the appeal or his or her representative. A copy of this decision and available evidence must be

included. The provisions of the Administrative Procedure Act (APA) on legal holidays do not apply in accordance with Article 56 paragraph 2 of the PPA.  
Organisation providing additional information about the procurement procedure: Federal Office for Defence Procurement armasuisse

## 8. Organisations

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### 8.1. ORG-0001

Official name: Federal Office for Defence Procurement armasuisse  
Registration number: 1251a41e-7d56-4f5e-add6-4531f4de049f  
Postal address: Guisanplatz 1  
Town: Bern  
Postcode: 3003  
Country subdivision (NUTS): Bern / Berne (CH021)  
Country: Switzerland  
Email: [wto@armasuisse.ch](mailto:wto@armasuisse.ch)  
Telephone: +41584632323

**Roles of this organisation:**

Buyer  
Organisation providing additional information about the procurement procedure

### 8.1. ORG-0002

Official name: Tribunal administratif fédéral  
Registration number: BVGER  
Postal address: Postfach  
Town: St. Gallen  
Postcode: 9023  
Country subdivision (NUTS): St. Gallen (CH055)  
Country: Switzerland  
Email: [info@bvger.admin.ch](mailto:info@bvger.admin.ch)  
Telephone: +41584652626  
Internet address: <https://www.bvger.ch>

**Roles of this organisation:**

Review organisation

### 8.1. ORG-0003

Official name: Simap.ch  
Registration number: CH001  
Postal address: Holzikofenweg 36  
Town: Bern  
Postcode: 3003  
Country subdivision (NUTS): Bern / Berne (CH021)  
Country: Switzerland  
Email: [support@simap.ch](mailto:support@simap.ch)  
Telephone: +41584646388  
Internet address: <https://www.simap.ch>

**Roles of this organisation:**

TED eSender

## Notice information

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Notice identifier/version: 943d0ba6-5fcf-4a69-9d12-a0e714b41677 - 01

Form type: Competition

Notice type: Contract or concession notice – standard regime

Notice subtype: 16

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