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**INTEGRATED AIR AND MISSILE DEFENCE
CENTRE OF EXCELLENCE**



IFB FINCON 23-07

“Supply of Conference Discussion Units”

PART III

**SPECIAL PROVISIONS & TECHNICAL SPECIFICATIONS
(STATEMENT OF WORK)**

September 2023

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NATO UNCLASSIFIED
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1.1 The current Statement of Work (SOW) covers the general requirements and technical specifications that shall be covered by the Contractor for the item requested.

2. General Requirements

2.1 The brand of the requested conference discussion units should be "Bosch", type: "CCSD-DL Discussion Device with long microphone", and of the chairperson & priority buttons: "CCSD-TCD Chairperson & Priority Buttons" in order to be integrated into the existing discussion system of the Centre ("CCS 1000 D Digital Discussion System").

2.2 The type of transport cases should be "CCSD-TCD Transport case for 10x CCSD-D" in order to store up to ten (10) discussion units per case.

2.2 The equipment to be procured shall be brand new (not refurbished).

3. Technical Requirements/Specifications - Deliverables**3.1 Discussion Device:**

3.1.1 Requested quantities: Twenty (20) discussion devices with long microphone.

3.1.2 The Discussion Device shall enable participants to take part in a discussion by speaking into a microphone and listening to proceedings on a loudspeaker. The device shall have the following features:

3.1.2.1 Plug-and-play functionality;

3.1.2.2 Compact, attractive, ergonomic design, with LED indicator in the Discussion Device and in head of microphone;

3.1.2.3 Long fixed microphone with flexible stem;

3.1.2.4 Loudspeaker integrated into front of device;

3.1.2.5 Built-in headphone socket with output level control;

3.1.2.6 Automatic level reduction when microphone is activated (configurable via web browser application of Control Unit): prevents acoustic feedback from headphone to microphone;

3.1.2.7 Configurable as a participant or chairperson's device: changeable microphone buttons and concealed slide switch at the bottom of the device for configuration purposes;

3.1.2.8 GSM immunity.

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3.1.3 The device shall have the following user controls and indicators:

3.1.3.1 Microphone button;

3.1.3.2 Color-coded LED indicator above microphone button for showing the status of the device:

3.1.3.2.1 White ("Possible-To-Speak") shall indicate that the microphone will be active immediately after pressing the microphone button;

3.1.3.2.2 Green shall indicate that the participant has pressed the microphone button and the request to speak has been added to the waiting list;

3.1.3.2.3 Green flashing shall indicate that the participant is first in the waiting list, i.e. next in line to speak;

3.1.3.2.4 Red shall indicate that the microphone is active.

3.1.3.3 Color-coded light-ring indicator in head of microphone: green shall indicate that a request-to-speak has been added to the waiting list; green flashing shall indicate that the participant is first in the waiting list; red shall indicate that the microphone is active;

3.1.3.4 Rotary thumbwheel on side of device for adjusting volume of connected head-phones;

3.1.3.5 Concealed initialization button at base of device for re-assigning the network address;

3.1.3.6 Concealed slide-switch at base of Discussion Device for configuring device as a participant device or chairperson's device. To prevent accidental operation, it shall only be possible to set the switch with a tool, i.e. bent paperclip;

3.1.3.7 Chairperson's configuration only - separate microphone button and priority button.

3.1.4 The chairperson's device shall enable the user to function as the chairperson at a conference or meeting. The chairperson's microphone shall be activated when the priority button is pressed and held in. All currently active participant microphones shall be muted, allowing the chairperson to take control of the meeting. A chime shall be sounded to announce that the chairperson is about to speak. The devices shall have the following connections:

3.1.4.1 1 x 6-pole circular female connector at rear of device with cable locking recess;

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3.1.4.2 1 x 3.5 mm (0.14 in) stereo headphone socket on side of device;

3.1.4.3 1 x 2 m (78.7 in) cable with a 6-pole circular male connector with cable lock.

3.1.5 The Discussion Device shall cover the following (minimum) technical specifications:

Electrical - Acoustical

Frequency response	30 Hz to 20 kHz
Headphones load impedance	> 32 ohms < 1k ohm
Loudspeaker nominal output	72 dB SPL

Mechanical

Dimensions device without microphone (H x W x D)	64 x 203 x 146 mm (2.5 x 8.0 x 5.7 in)
Height with microphone in horizontal position	130 mm (5.1 in)
Length of microphone from mounting surface	CCSD-DS (31cm) CCSD-DL (48mm)
Weight	Approx. 1 kg (2.2 lb)
Mounting	Tabletop (portable or fixed)
Material (top)	Plastic ABS+PC
Material (base)	Metal ZnAl4
Colour (top)	Traffic black (RAL 9017) matt-gloss

Environmental

Operating temperature	0 °C to +35 °C (+32 °F to +95 °F)
Storage temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Relative humidity	15% to 90%
Air pressure	600 to 1100 hPa

3.2 Transport Case:

3.2.1 Requested quantities: Two (2) transport cases for 10x CCSD-D discussion units.

3.2.2 The transport case shall have the following Technical Specifications:

3.2.2.1 Capacity: Store up to ten (1) discussion devices (any combination of CCSD-DS or CCSD-DL devices to be possible).

3.2.2.2 The suitcase shall have specially shaped interior to securely hold discussion devices. The suitcase shall have a handle on the top and side,

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and two wheels on the underside for ease of transportation. There shall be two separate locks for locking the case. The keys shall be included.

3.2.2.3 The (minimum) mechanical specifications are as follows:

Dimensions (H x W x D)	560 x 795 x 235 mm (22.0 x 31.3 x 9.3 in)
Weight (empty)	6 kg (13.2 lb)
Material (body)	3 mm (0.12 in) ABS
Material (rim)	Aluminium
Colour (body)	Black (RAL9004)
Colour (rim)	Silver

3.3 Chairperson & Priority Buttons:

3.3.1 Requested quantities: Two (2) chairperson & priority buttons (for CCSD-TCD).

3.3.2 These buttons shall have the following Technical Specifications:

3.3.2.1 When pressed the priority button causes all currently active delegate microphones to be temporarily or permanently muted;

3.3.2.2 The “chairperson priority” button can be set to mute delegate microphones on a temporary or permanent basis. On the temporary setting, delegate microphones are muted only as-long as the chairperson has the priority button pressed down. On the permanent setting delegates must reactivate their microphone after a “chairperson priority” announcement by pressing the “microphone on” button on their delegate unit.

4. **Warranty**

4.1 The equipment shall have at least a 24-months warranty from the date of the purchase, for operating conditions and use based on the official instructions of the manufacturer.

5. **Delivery - Shipping Costs**

5.1 Under the Contractor’s responsibility, the requested equipment shall be delivered to the IAMD COE premises (Greece, Chania, Akrotiri, Souda Air Base, 73100 - Camp 115 Combat Wing) without any additional charges for the Centre. Any delivery - shipping charges should be incorporated in the price proposal and shall be covered by the Contractor.

6. **Delivery Time - Deadline**

6.1 The requested items shall be delivered by 15 December 2023.

6.2 If the Contractor fails to deliver the requested items within the time specified above, he may pay the IAMD COE (after a documented decision of the Director)

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liquidated damages of the respective supply based on the provisions and considering any exemptions according to the Articles 206 and 207 of Hellenic Law No 4412/2016, and par. 14 of Part II of this IFB.

7. Contractor's Standards

7.1 The Contractor shall establish, document and implement a Quality Management System with procedures that satisfy the ISO 9001 requirements.

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