



## JOINT CHEMICAL, BIOLOGICAL, RADIOLOGICAL AND NUCLEAR DEFENCE CENTRE OF EXCELLENCE

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### **TENDER TITLE: Modelling & Simulation Enhancement to CBRN Reachback Capability – Digitalization/Upgrade of Audio-Video Presentation Equipment**

Reference No. Annex A to PCD 2017/097

Launch Date: 6 June 2017

Closing Date: 21 June 2017

### **TECHNICAL SPECIFICATION**

An Audio and Video solution that requires the following services:

- Provision of all new equipment
- Engineering of the solution
- Installation of the equipment
- Commissioning of the equipment
- Programming of the described system
- Training of Operators

The solution should consist of a Display and its Control Unit. The solution should be interoperable with the current installations and equipment already in use. The solution should support as minimum 6 A/V inputs from operators' personal computers or other sources (including one from the adjacent room).

**Audio Visual Display.** A large interactive multi-touch “smart” display with the ability to share images distributed from the available sources. The display must be capable of supporting the following inputs: minimum 2xHDMI inputs, the maximum resolution 3840x2160 HDMI. The display should have a 16:9 LED panel with a minimum diagonal 75". The display must be capable of interactive work and simultaneous collaboration of minimum 2 users. The wall-mounted display should sustain 12 hour daily mode.

The system must be capable of supporting the following:

- USB 2.0 and 3.0
- 1 audio output to speakers
- Bluetooth 4.0

**Audio Visual Display Control and Signal Distribution System.** A display control and signal distribution system with a touch-screen display, controller, matrix switch

and necessary cabling. The switching system should have at least 50% possible expansion capacity. Potential additional inputs are permitted to be specified during the development. The system must be technologically uniform and must be equipped with application software for interactive collaboration.

**Sound System.** The current but amended sound reproduction system consisting of an amplifier and a pair of speakers is required to be integrated to the solution. Sound needs to be controlled via the aforementioned control system.