

## CONFERENCE UNIT ARCHITECT SPECIFICATIONS

The conference unit shall provide fully digital audio transmission for the DIS DCS 6000 Digital Conference System. The unit shall be flush-mounted and operational as a delegate unit. It shall feature a microphone on/off button, a mute button, five voting buttons, a chip-card reader, a 3.5 mm female socket stereo headphone jack, a high quality loudspeaker and a lockable XLR gooseneck microphone connector.

The unit shall connect to the DCS-LAN in a daisy-chain topology using shielded CAT 5e (or higher) F/UTP, or U/FTP cables. The DCS-LAN protocol shall transport power, audio, and control data across a chain of conference units including a proprietary codec algorithm to prevent unauthorized listening to the audio signal.

The conference unit shall support the following microphone operation modes in the DCS 6000 system: Automatic, FIFO, Manual and VOX (voice activation). The unit shall support three microphone interrupt modes.

An LED shall be provided on the speak button. It shall illuminate red to indicate that the microphone is on, and illuminate green to indicate it is in the request queue. The unit shall support light-ring gooseneck microphones in the DIS GM 6xxx series. The microphone LED ring shall illuminate red when the microphone is on.

A 3-pin XLR socket shall provide connection to the DIS GM 6xxx series gooseneck microphones. The XLR socket shall have a lock that is accessible from a small hole beside the socket and locked with a 2 mm hex key.

A loudspeaker shall be integrated into the unit to listen to the floor audio. When the microphone is not on, the floor channel shall be distributed through the built-in loudspeaker. When the microphone is activated, the loudspeaker shall turn off to avoid feedback. It shall have a frequency response of 150 Hz-15 kHz. The loudspeaker shall have a power maximum of 3.0 W RMS.

The left button shall be used to temporarily mute the microphone. The speaker shall retain speaking rights while the microphone is muted. During this time, the microphone LED shall turn off.

The unit shall provide access to any interpretation channel in the DCS 6000 system. The unit shall provide a headphone jack, channel selector, and volume controls. The headphone frequency response shall be 65 Hz-16 kHz.

The unit shall provide voting buttons for attendance check and voting. Five buttons shall be provided, supporting three- or five-button voting. The integrated chip card reader shall provide quick, secure login for the user.

The conference unit shall measure 90 mm in height, 235 mm in width and 62.6 mm in depth. The panel cut-out shall be 82 mm in height x 215 mm in width. The unit shall be made of black anodized aluminum and weigh 900g, with an operating temperature range of 5° to 40° C.

The conference unit shall be a DIS DM 6680 F.