Architects Specifications for RTS Intercoms

RTS ADAM

The intercom system shall be capable of supporting multiple type of communications including point to point, party-line, IFB and ISO communications. Configuration of the system shall be via a GUI based program running in the Microsoft Windows and Windows NT Environment. The system shall not require the presence of an external PC for sustained operation, and shall include internal non-volatile memory to retain all setup and communications path information in the event of primary ac power failure.

The Intercom matrix shall be equipped with dual redundant controllers and dual redundant power supplies with independent primary feeds. Automatic switching of power supplies and controllers will occur in the event of failure, with no interruption of service.

Audio paths shall support both direct connection to intercom panels and external balanced audio sources and destinations interchangeably. The audio performance of the matrix shall provide a minimum of 75 dB of dynamic range and a bandwidth of at least 25 Hz to 19 kHz within 1 dB. Nominal audio level for inputs and outputs shall be adjustable from –10 dB to +16 dB at a minimum.

Interconnection of intercom panels to the matrix shall be possible via 3 pair twisted cable connected by modular telephone (RJ12) or 9 pin d-subminiature connectors.

The intercom matrices shall provide support for intelligent automated Trunking of no fewer than 20 independent matrices.

The intercom matrix shall be expandable from 8 to 1,000 ports.

The intercom system shall be RTS ADAM Digital Matrix Intercom System.

RTS ADAM-CS

The intercom system shall be capable of supporting multiple type of communications including point to point, party-line, IFB and ISO communications. Configuration of the system shall be via a GUI based program running in the Microsoft Windows Environment. The system shall not require the presence of an external PC to operate, and shall include internal non-volatile memory to retain all setup and communications path information in the event of primary power failure.

The Intercom matrix shall be equipped with dual redundant controllers and dual redundant power supplies with independent primary feeds. Automatic switching of power supplies and controllers will occur in the event of failure, with no interruption of service.

Audio paths shall support both direct connection to intercom panels and external balanced audio sources and destinations interchangeably. The audio performance of the matrix shall provide a minimum of 75 dB of dynamic range and a bandwidth of at least 25 Hz to 19 kHz within 1 dB. Nominal audio level for inputs and outputs shall be adjustable from –10 dB to +16 dB at a minimum.

Interconnection of intercom panels to the matrix shall be possible via 3 pair twisted cable.

The intercom matrices shall provide support for intelligent automated Trunking of no fewer than 20 independent matrices.

The intercom matrix shall be expandable from 8 to 64 ports.

The intercom system shall be RTS ADAM-CS Digital Matrix Intercom System.

RTS ZEUS

The intercom system shall be capable of supporting multiple type of communications including point to point, party-line, IFB and ISO communications. Configuration of the system shall be via a GUI based program running in the Microsoft Windows Environment. The system shall not require the presence of an external PC to operate, and shall include internal non-volatile memory to retain all setup and communications path information in the event of primary power failure.

Audio paths shall support both direct connection to intercom panels and external balanced audio sources and destinations interchangeably. The audio performance of the matrix shall provide a minimum of 85 dB of dynamic range and a bandwidth of at least 25 Hz to 19 kHz within 1 dB. Nominal audio level for inputs and outputs shall be adjustable from –10 dB to +16 dB at a minimum.

Interconnection of intercom panels to the matrix shall be possible via 3 pair twisted cable.

The intercom matrices shall provide support for intelligent automated Trunking of no fewer than 20 independent matrices.

The intercom matrix shall be a fixed size of 24 ports.

The intercom system shall be RTS ZEUS Digital Matrix Intercom System.

RTS TW

The intercom system shall be a party-line or conference based system with capability of providing PL, IFB, and ISO communications.

User stations shall be available in a variety of configurations including beltpacks, rack mount, console mount, wall mount and desktop stations. User stations in each configuration shall be available which derive all operating power from the intercom line, and not require local AC power to operate. All user stations shall provide headset connections via female XLR type connectors.

Interconnection of user stations to each other and system power supply shall be via standard microphone cable terminated with XLR type connectors. Each 3 conductor microphone cable shall provide 2 separate intercom channels and required power for the user stations.

The system shall support remote mic kill and call signaling for user stations utilizing inaudible tones imposed on the intercom audio.

The Intercom system shall be RTS TW.