

FAR 52.211-6 Brand Name or Equal (Aug 1999)

(a) If an item in this solicitation is identified as “brand name or equal,” the purchase description reflects the characteristics and level of quality that will satisfy the Government’s needs. The salient physical, functional, or performance characteristics that “equal” products must meet are specified in the solicitation.

(b) To be considered for award, offers of “equal” products, including “equal” products of the brand name manufacturer, must—

(1) Meet the salient physical, functional, or performance characteristic specified in this solicitation; **Biamp, Vocola network, Ethernet based paging system**, with the following salient characteristics.

Message Server

- Recorded message storage and playback
- Event scheduling
- Storage of logged system data
- VoIP paging interface
- Email reporting
- Inter-world paging support
- System configuration storage and service
- Time server support
- Remote third party control capability via IP or RS232 using Vocola Text Protocol (VTP)
- Status LED
- Separate Ethernet ports for TCP/IP Control, CobraNet and VoIP
- Rotary switches for unit identification
- Rack mountable (1RU)
- CE marked, UL listed and RoHS compliant

Control Interface

- High reliability switches for Local Sounder Silence, System Test and System Fault Reset
- High level sounder for Fault and Alarm warning
- Dual 24V DC power inputs with uninterrupted failover on power loss
- Provides terminating resistors for Alarm and Fault Inputs for LSI-16 and LSI-16e Life Safety interface devices

- Provides terminating resistors for any unused monitored outputs for Vocia Life Safety Interface devices
- Current limited reference voltage output
- Rack mountable (1RU)
- CE marked, UL listed and RoHS compliant

Life Safety Interface

- Parallel I/O ports for direct interface with fire alarm and emergency equipment
- 8 monitored I/O and 8 control inputs
- Redundant network connection and power supply options
- Power and data over a single Ethernet cable
- Web interface for emergency device reporting
- Local storage of configuration data
- Rotary switches for unit identification
- Accepts the Interface Module 16 (IM-16) for 16 additional general purpose inputs
- Use the GPIO-1 for additional inputs/outputs
- Up to 500 virtual inputs via RS232 port or Ethernet
- Status LEDs
- Rack mountable (1RU)
- Up to 4 discrete emergency inputs
- EN 54-16 certified, CE marked, UL listed and RoHS compliant
- EN 60849 and AS 60849 verified

Live Audio Interface

- Up to 8 analog mic/line or CobraNet inputs
- 4 relay Control Outputs
- 8 Control Inputs
- Device status monitoring via Control Input and Output
- Power via dual 24V DC inputs (redundant inputs)
- Software-configurable signal processing including volume control, filters, compressor/limiting
- Rack mountable (1RU)
- CobraNet control over a single Ethernet cable
- Device monitoring
- Dual CobraNet ports for redundancy
- Rotary switches for device identification
- IP30 compliant, CE marked, UL listed and RoHS compliant

Audio Interface

- Four sets of dual RCA connectors, plus terminal block connectors for line-level inputs
- Two microphone/line inputs with phantom power
- Four control inputs and four control outputs
- Four auxiliary paging inputs supporting the VAM-1 and VPSI-1
- Software-configurable local audio signal processing, including gain, filters, and compressor/limiter
- Rotary switches for unit identification
- CobraNet audio/control with dynamic use of available bundles, plus power over single Ethernet cable
- Status LEDs to indicate signal and clip
- CE marked, UL listed and RoHS compliant

VoIP Interface

- Configurable with two or four VoIP lines
- Multiple codec support
- Device monitoring
- Power via dual 24V DC inputs (redundant inputs)
- Software-configurable signal processing
- Rack mountable (1RU)
- CobraNet® control over a single Ethernet cable
- Dual CobraNet ports for redundancy
- Rotary switches for device identification
- IP30 compliant
- CE marked, UL listed and RoHS compliant

Desktop / Wall Mounted Paging Station

- Push-to-talk button with status indication
- Up to 999 user-configurable page codes
- Local digital signal processing, including gain, filters and compressor/limiter
- Local storage of configuration data
- Local storage of default and/or custom preambles
- Built-in store and forward functionality
- CobraNet® audio/control with dynamic use of available bundles, plus power over single Ethernet cable

- Backlit liquid crystal display (LCD) technology
- Optional PIN to restrict unauthorized use
- Auxiliary Port provides connection for power, line-level audio, and bi-directional RS232 for transmitting Vocia Text Protocol (VTP) commands
- High-quality gooseneck cardioid microphone
- Sturdy component housing
- Rotary ID switches for unit identification
- Monitored, high-quality, dynamic cardioid microphone capsule
- CE marked and RoHS compliant

Chassis Based Amplifier with 7:1 Fail Over

- Modular based design
- Amplification modules have software configurable power levels/load options
- 8 amplification modules per frame with 100 to 600 Watts per module
- 70V or 100V with direct drive capability, or low-impedance (4 or 8 Ω) operation
- Maximum of 2400 Watts of power in a device
- Failover capability between channels and amplifiers
 - Device-to-Device
 - 1:1
 - Dual 3:1 (VFOM-1 module required)
 - 7:1 (VFOM-1 module required)
- LED Indication:
 - Amplifier failure
 - Clip present
 - Fan stuck-rotor
 - Heat sink temperature fault
- Signal peak
- Signal present Local non-volatile storage of emergency messages
- Software Monitoring Features:
 - Amplifier failure
 - Excessive clipping
 - Fan stuck rotor
 - Heat sink temperature fault
 - Peak present
 - Short circuit on output
- Software-configurable signal processing including volume control, filters, compressor/limiting, delay, speaker equalization, and output sensitivity
- CobraNet audio and control data over a single Ethernet cable
- Dual Ethernet ports for redundancy
- Rotary switches for unit identification
- Rack mountable (3RU)
- CE marked, UL listed & RoHS compliant

Two Channel Amplifier

- Two channels of 60W RMS per channel
- Transformer coupled outputs, low impedance (4 or 8Ω) or 25V, 70V or 100V (hardware selectable)
- Comprehensive failover: Device-to-device and all-to-1 channel
- Supports Page Active Relay (PAR), ELD-1 and ANC-1
- Local non-volatile storage of emergency messages
- Software-configurable signal processing including volume control, filters, compressor/limiting, delay, speaker equalization, and output sensitivity
- LED status and signal indication
- CobraNet audio/control with dynamic use of available bundles
- Dual Ethernet ports for redundancy
- Rotary switches for device identification
- Rack mountable (2RU)
- EN 54-16 certified, CE marked, UL listed and RoHS compliant
-

(2) Clearly identify the item by—

(i) Brand name, if any; and

(ii) Make or model number;

(3) Include descriptive literature such as illustrations, drawings, or a clear reference to previously furnished descriptive data or information available to the Contracting Officer; and

(4) Clearly describe any modification the offeror plans to make in a product to make it conform to the solicitation requirements. Mark any descriptive material to clearly show the modification.

(c) The Contracting Officer will evaluate “equal” products on the basis of information furnished by the offeror or identified in the offer and reasonably available to the Contracting Officer. The Contracting Officer is not responsible for locating or obtaining any information not identified in the offer.

(d) Unless the offeror clearly indicates in its offer that the product being offered is an “equal” product, the offeror shall provide the brand name product referenced in the solicitation.

(End of provision)