VOCIA AUDIO INPUTS

VI-6

The audio input device shall be designed exclusively for use with Biamp® Vocia® systems. The audio input device shall be rack mountable (1RU) and provide audio and control via CobraNet®. The audio input device shall receive Power over Ethernet (PoE) utilizing a single (CAT5) network cable to a rear panel RJ-45 connector. The audio input device shall provide four sets of dual RCA connectors plus removable terminal block connectors for line-level inputs, two microphone/line inputs with phantom power, six CobraNet outputs, four control inputs, and four control outputs. The input device shall provide local digital audio signal processing and local storage of configuration data. The input device shall indicate signal and clip with LEDs on the front panel. The input device shall be UL listed, CE marked and compliant with the RoHS directive. Warranty shall be 5 years. The input device shall be a Vocia VI-6.

VI-8

The audio input device shall be designed exclusively for use with Biamp® Vocia® systems. The audio input device shall allow microphone level, line level, or CobraNet® audio signals to be inserted in to a Vocia system to access live infinite paging functions. Standard and emergency Vocia page codes shall be able to be specified. Front panel indicators shall be provided for chassis power, fault, and status as well as signal present indication for each input. The unit shall support eight inputs with software configurable level controls. Signal processing shall include five-band parametric equalization, compression, automatic gain control with SpeechSense™ and VOX threshold control. The unit shall have control inputs and control outputs with the ability for one input and one output to be configured as status monitor indicators to external systems. Control inputs shall have the ability to be associated with per channel paging or Vocia control input events. Control outputs shall have the ability to be associated with Vocia control output events as well as Barrier Gateway and System Trouble outputs. Full logging of the unit status shall be reported to the Vocia network. The audio input device shall be CE marked, UL listed, and compliant with the RoHS directive. Warranty shall be 5 years. The audio input device shall be a Vocia VI-8.

DS-4

The desktop paging station shall be designed exclusively for use with Biamp® Vocia® systems. The desktop paging station shall provide paging audio and control data via CobraNet® and receive Power over Ethernet (PoE), utilizing a single (CAT5) network cable to a rear panel RJ-45 connector. Four buttons shall be provided on the front panel for assigning page codes with preambles. Multiple desktop paging stations may be connected to a Vocia system by means of Ethernet switches. Four software configurable non-emergency priority paging levels shall be available. The desktop paging station shall include override, store and forward, and lock-out capabilities. Each desktop paging station shall provide local digital audio signal processing, local storage of configuration data, and standard and uploaded preambles in .WAV format. Desktop paging stations shall have a backlit LCD screen, PIN code accessibility and a gooseneck cardioid microphone. The desktop paging station shall be CE marked and compliant with the RoHS directive. Warranty shall be 5 years. The desktop paging station shall be a Vocia DS-4.

DS-10

The desktop paging station shall be designed exclusively for use with Biamp® Vocia® systems. The desktop paging station shall provide paging audio and control data via CobraNet® and receive Power over Ethernet (PoE), utilizing a single (CAT5) network cable to a bottom panel RJ-45 connector. Ten buttons shall be provided on the front panel for recalling page codes with preambles. Multiple desktop paging stations may be connected to a Vocia system by means of Ethernet switches. Four software configurable priority paging levels shall be available. The desktop paging station shall include override, store and forward, and lock-out capabilities. Each desktop paging station shall provide local digital audio signal processing, local storage of configuration data and standard and uploaded preambles in .WAV format. Desktop paging stations shall have a backlit LCD screen, PIN code accessibility and a gooseneck cardioid microphone. The desktop paging station shall be CE marked and compliant with the RoHS directive. Warranty shall be 5 years. The desktop paging station shall be a Vocia DS-10.

WS-4

The wall-mounted paging station shall be designed exclusively for use with Biamp® Vocia® systems. The wall-mounted paging station shall provide paging audio and control data via CobraNet® and receive Power over Ethernet (PoE), utilizing a single (CAT5) network cable to a rear panel RJ-45 connector. Four buttons shall be provided on the front panel for assigning page codes with preambles. Multiple wall-mounted paging stations may be connected to a Vocia system by means of Ethernet switches. Four software configurable non-emergency priority paging levels shall be available. The wall station shall include override, store and forward, and lock-out capabilities. Each wall-mounted paging station shall provide local digital audio signal processing, local storage of configuration data, and standard and uploaded preambles in .WAV format. Wall-mounted paging stations shall possess a backlit LCD screen, PIN code accessibility, and a high-quality handheld microphone. The wall-mounted paging station shall be CE marked and compliant with the RoHS directive. Warranty shall be 5 years. The wall-mounted paging station shall be a Vocia WS-4.

WS-10

The wall-mounted paging station shall be designed exclusively for use with Biamp® Vocia® systems. The wall-mounted paging station shall provide paging audio and control data via CobraNet® and receive Power over Ethernet (PoE), utilizing a single (CAT5) network cable to a rear panel RJ-45 connector. Ten buttons shall be provided on the front panel for recalling page codes with preambles. Multiple wall-mounted paging stations may be connected to a Vocia system by means of Ethernet switches. Four software configurable non-emergency priority paging levels shall be available. The wall mounted paging station shall include override, store and forward, and lock-out capabilities. Each wall-mounted paging station shall provide local digital audio signal processing, local storage of configuration data, and standard and uploaded preambles in .WAV format. Wall-mounted paging stations shall possess a backlit LCD screen, PIN code accessibility, and a high-quality handheld microphone. The wall-mounted paging station shall be CE marked and compliant with the RoHS directive. Warranty shall be 5 years. The wall-mounted paging station shall be a Vocia WS-10.

EWS-4

The wall-mounted paging station shall be designed exclusively for use with Biamp® Vocia® systems. The wall-mounted paging station shall provide paging audio and control data via CobraNet® and receive Power over Ethernet (PoE), utilizing a single (CAT5) network cable to a rear panel RJ-45 connector. Four buttons shall be provided on the front panel for assigning page codes with preambles. Multiple wall-mounted paging stations may be connected to a Vocia system by means of Ethernet switches. Four software configurable emergency priority paging levels shall be available. The wall station shall include override, store and forward, and lock-out capabilities. Each wall-mounted paging station shall provide local digital audio signal processing, local storage of configuration data, and standard and uploaded preambles in .WAV format. Wall-mounted paging stations shall possess a backlit LCD screen, PIN code accessibility, and a high-quality handheld microphone. The wall-mounted paging station shall be EN 54-16 certified, CE marked and compliant with the RoHS directive. Warranty shall be 5 years. The wall-mounted paging station shall be a Vocia EWS-4.

EWS-10

The wall-mounted paging station shall be designed exclusively for use with Biamp® Vocia® systems. The wall-mounted paging station shall provide paging audio and control data via CobraNet® and receive Power over Ethernet (PoE), utilizing a single (CAT5) network cable to a rear panel RJ-45 connector. Ten buttons shall be provided on the front panel for recalling page codes with preambles. Multiple wall-mounted paging stations may be connected to a Vocia system by means of Ethernet switches. Four software configurable emergency priority paging levels shall be available. The wall mounted paging station shall include override, store and forward, and lock-out capabilities. Each wall-mounted paging station shall provide local digital audio signal processing, local storage of configuration data, and standard and uploaded preambles in .WAV format. Wall-mounted paging stations shall possess a backlit LCD screen, PIN code accessibility, and a high-quality handheld microphone. The wall-mounted paging station shall be EN 54-16 certified, CE marked and compliant with the RoHS directive. Warranty shall be 5 years. The wall-mounted paging station shall be a Vocia EWS-10.

POTS-1

The POTS telephone paging adapter device shall be designed exclusively for use with Biamp® Vocia® systems. The telephone paging adapter device shall integrate with standard analog (POTS) telephony communications via an RJ-11 connector. Each line shall support two–wire to four-wire hybrid (Line and Set) functions. Front panel fault and status indicators shall be provided as well as line and hook indicators for each telephone line. The unit shall support two or four telephone lines with software configurable telephone line echo cancellation, caller ID, and level controls for inputs, preambles, and prompts. Signal processing shall include five-band parametric equalization, compression, and PIN code access per line. The device shall permit call actions to be associated with Vocia virtual control actions to enable DTMF control of Vocia control events. Programmable voice-prompts shall be available for menu-driven call prompts. The device shall permit paging preambles to be applied and shall support page stacking and store-and-forward functionality. Full logging of the unit status shall be reported to the Vocia network. The telephone paging adapter device shall be CE marked, UL listed and compliant with the RoHS directive. Warranty shall be 5 years. The telephone paging adapter device shall be a Vocia POTS-1.

VoIP-1

The VoIP paging adapter device shall be designed exclusively for use with Biamp® Vocia® systems. The VoIP paging adapter device shall integrate with SIP-based VoIP call managers as a third-party SIP extension. Front panel indicators shall provide fault and status indications as well as status and in-use indication for each VoIP line. The unit shall support two or four VoIP lines with software-configurable level controls for inputs, preambles, and prompts. Signal processing shall include five-band parametric equalization, compression, and PIN code access per line. The device shall permit call actions to be associated with Vocia virtual control actions to enable DTMF control of Vocia control events. Programmable voice prompts shall be available for menu-driven call prompts. The device shall allow paging preambles to be applied and shall support page stacking and store-and-forward functionality. Full logging of the unit status shall be reported to the Vocia network. The VoIP paging adapter device shall be CE marked, UL listed, and compliant with the RoHS directive. Warranty shall be 5 years. The VoIP paging adapter device shall be a Vocia VoIP-1.

PSKIT-1

The paging station kit device shall be designed exclusively for use with Biamp® Vocia® systems. The paging station kit device shall provide the functionality of a networked paging station with PTT, general purpose input-output (GPIO) and RS-232 serial data interfaces in lieu of user controls. Audio connections shall be provided externally for a dynamic microphone and internally for a monitored, dual capsule dynamic microphone. The paging station kit device shall be powered from a 24V DC power source or by Power over Ethernet (PoE) via the network port. The paging station kit device shall have twelve GPIO inputs suitable for dry contact connections and three outputs suitable for driving LEDs. The paging station kit device shall appear in Vocia software as a ten-button wall-station paging device. The paging station kit device shall be a surface mount device. The paging station kit device shall be CE marked, UL listed and compliant with the RoHS directive. Warranty shall be 5 years. The paging station kit device shall be a Vocia PSKIT-1.

VAM-1

The auxiliary microphone shall be designed exclusively for use with Biamp® Vocia® systems. The Vocia Auxiliary Microphone 1 (VAM-1) shall provide a direct physical connection to Vocia DS-4/10, WS- 4/10, EWS-4/10 or VI-6 paging stations and analog audio input devices. The auxiliary microphone shall be powered from compatible Vocia host devices over standard CAT5e/6 cable. The auxiliary microphone shall support standard single gang back box mounting. The auxiliary microphone shall support visual indication of zone status via LEDs. The auxiliary microphone shall be UL listed and compliant with the RoHS directive. Warranty shall be 5 years. The auxiliary microphone shall be a Vocia VAM-1.

VOCIA AUDIO INPUTS (CONTINUED)

VPSI-1

The paging station interface shall be designed exclusively for use with Biamp® Vocia® systems. The paging station interface shall provide a direct physical connection to Vocia DS-4/10, WS-4/10, EWS-4/10 or VI-6 paging stations and analog audio input devices. The paging station interface shall be powered from compatible Vocia host devices over standard CAT5e/6 cable. The paging station interface device shall provide breakout connections for balanced audio, RS-232 control, push-to-talk (PTT) and visual feedback LED driver power. The paging station interface shall support user selectable audio sensitivity. The paging station interface device shall be CE marked, UL listed and compliant with the RoHS directive. Warranty shall be 5 years. The paging station interface device shall be a Vocia VPSI-1.

VOCIA AUDIO OUTPUTS

VA-2060

The networked amplifier shall be designed exclusively for use with Biamp® Vocia® systems. The amplifier shall support 2 channels of 60 Watts RMS per channel and 25V, 70V and 100V transformer-coupled capability, or low-impedance (4 or 8Ω) operation. The amplifier shall provide control data and digital audio over CobraNet®. The amplifier shall provide dual Ethernet ports for redundant network connection. The amplifier shall provide front panel LED identification of amplifier and card failure, signal present, clip present, fan stuck rotor fault, heat sink temperature fault and provide additional software monitoring features including short circuit on output fault. The amplifier shall be rack mountable (2RU) and feature software-configurable signal processing including volume control, filters, compressor/limiting, delay, speaker equalization and output sensitivity. The amplifier shall support channel-to-channel and chassis-to-chassis failover. The amplifier shall be EN 54-16 certified, CE marked, UL listed and compliant with the RoHS directive. Warranty shall be 5 years. The amplifier shall be a Vocia VA-2060.

VA-2060e

The networked amplifier shall be designed exclusively for use with Biamp® Vocia® systems. The amplifier shall support 2 channels of 60 Watts RMS per channel and 25V, 70V and 100V transformer-coupled capability or low-impedance (4 or 8Ω) operation. The amplifier shall provide control data and digital audio over CobraNet®. The amplifier shall provide a single analog mic/line background source input per channel. The amplifier shall provide dual Ethernet ports for redundant network connection. The amplifier shall provide dual power supplies (mains and 24V DC). The amplifier shall provide front panel LED identification of amplifier and card failure, signal present, clip present, fan stuck rotor fault, heat sink temperature fault and provide additional software monitoring features including short circuit on output fault. The amplifier shall be rack mountable (2RU) and feature software-configurable signal processing including volume control, filters, compressor/limiting, delay, speaker equalization and output sensitivity. The amplifier shall support channel-to-channel and chassis-to-chassis failover. The amplifier shall be EN 54-16 certified, CE marked, UL listed and compliant with the RoHS directive. Warranty shall be 5 years. The amplifier shall be a Vocia VA-2060e.

VA-4030

The networked amplifier shall be designed exclusively for use with Biamp® Vocia® systems. The amplifier shall support 4 channels of 30 Watts RMS per channel and 25V, 70V and 100V transformer-coupled capability or low-impedance (4 or 8Ω) operation. The amplifier shall provide control data and digital audio over CobraNet®. The amplifier shall provide dual Ethernet ports for redundant network connection. The amplifier shall provide front panel LED identification of amplifier and card failure, signal present, clip present, fan stuck rotor fault, heat sink temperature fault and provide additional software monitoring features including short circuit on output fault. The amplifier shall be rack mountable (2RU) and feature software-configurable signal processing including volume control, filters, compressor/limiting, delay, speaker equalization and output sensitivity. The amplifier shall support channel-to-channel and chassis-to-chassis failover. The amplifier shall be EN 54-16 certified, CE marked, UL listed and compliant with the RoHS directive. Warranty shall be 5 years. The amplifier shall be a Vocia VA-4030.

VA-4030e

The networked amplifier shall be designed exclusively for use with Biamp® Vocia® systems. The amplifier shall support 4 channels of 30 Watts RMS per channel and 25V, 70V and 100V transformer-coupled capability or low-impedance (4 or 8Ω) operation. The amplifier shall provide control data and digital audio over CobraNet®. The amplifier shall provide a single analog mic/line background source input per channel. The amplifier shall provide dual Ethernet ports for redundant network connection. The amplifier shall provide dual power supplies (mains and 24V DC). The amplifier shall provide front panel LED identification of amplifier and card failure, signal present, clip present, fan stuck rotor fault, heat sink temperature fault and provide additional software monitoring features including short circuit on output fault. The amplifier shall be rack mountable (2RU) and feature software-configurable signal processing including volume control, filters, compressor/limiting, delay, speaker equalization and output sensitivity. The amplifier shall support channel-to-channel and chassis-to-chassis failover. The amplifier shall be EN 54-16 certified, CE marked, UL listed and compliant with the RoHS directive. Warranty shall be 5 years. The amplifier shall be a Vocia VA-4030e.

VA-8600

The modular amplifier shall be designed exclusively for use with Biamp® Vocia® systems. The amplifier shall be modular and support software configurable power levels/load options of 8 amplification modules per frame with 100 to 600 Watts per module (maximum of 2400W per chassis) and 70V or 100V with direct drive capability, or low-impedance (4 or 8Ω) operation. The amplifier shall provide control data and digital audio over CobraNet®. The amplifier shall provide dual Ethernet ports for redundant network connection. The amplifier shall provide front-panel LED identification of amplifier and card failure, signal present, clip present, fan stuck rotor fault, heat sink temperature fault and provide additional software monitoring features including impedance monitoring, output short circuit and output fault. The amplifier shall be rack mountable (3RU) and feature software-configurable signal processing including volume control, filters, compressor/limiting, delay, speaker equalization, and output sensitivity. The amplifier shall support channel-to-channel and chassis-to-chassis failover. The amplifier shall be CE marked, UL listed and compliant with the RoHS directive. Warranty shall be 5 years. The amplifier shall be a Vocia VA-8600.

VA-8600c

The modular amplifier shall be designed exclusively for use with Biamp® Vocia® systems. The amplifier shall be modular and support software configurable power levels/load options of 8 amplification modules per frame with 100 to 600 Watts per module (maximum of 2400W per chassis) and 70V or 100V with direct drive capability, or low-impedance (4 or 8Ω) operation. The amplifier shall provide control data and digital audio over CobraNet®. The amplifier shall provide dual Ethernet ports for redundant network connection. The amplifier shall provide front-panel LED identification of amplifier and card failure, signal present, clip present, fan stuck rotor fault, heat sink temperature fault and provide additional software monitoring features including impedance monitoring, output short circuit, output ground fault and output fault. The amplifier shall be rack mountable (3RU) and feature software-configurable signal processing including volume control, filters, compressor/limiting, delay, speaker equalization, and output sensitivity. The amplifier shall support channel-to-channel and chassis-to-chassis failover. The amplifier shall be EN 54-16 certified, UL listed and compliant with the RoHS directive. Warranty shall be 5 years. The amplifier shall be a Vocia VA-8600c.

VA-8150CV

The networked amplifier shall be designed exclusively for use with Biamp® Vocia® systems. The amplifier shall support 8 channels of 150 Watts per channel and 70V or 100V constant voltage outputs. The amplifier shall provide control data and digital audio over CobraNet®. The amplifier shall provide dual Ethernet ports for redundant network connection. The amplifier shall have 100-240V AC power supply and dual 48V DC input. The amplifier shall provide front panel LED identification of amplifier and card failure, signal present, clip present, fan stuck rotor fault, heat sink temperature fault and provide additional software monitoring features including short circuit on output fault. The amplifier shall be rack mountable (2RU) and feature software-configurable signal processing including volume control, filters, compressor/limiting, delay, speaker equalization and output sensitivity. The amplifier shall support channel-to-channel and chassis-to-chassis failover. Warranty shall be 5 years. The amplifier shall be a Vocia VA-8150CV.

VA-4300CV

The networked amplifier shall be designed exclusively for use with Biamp® Vocia® systems. The amplifier shall support 4 channels of 300 Watts per channel and 70V or 100V constant voltage outputs. The amplifier shall provide control data and digital audio over CobraNet®. The amplifier shall provide dual Ethernet ports for redundant network connection. The amplifier shall have 100-240V AC power supply and dual 48V DC input. The amplifier shall provide front panel LED identification of amplifier and card failure, signal present, clip present, fan stuck rotor fault, heat sink temperature fault and provide additional software monitoring features including short circuit on output fault. The amplifier shall be rack mountable (2RU) and feature software-configurable signal processing including volume control, filters, compressor/limiting, delay, speaker equalization and output sensitivity. The amplifier shall support channel-to-channel and chassis-to-chassis failover. Warranty shall be 5 years. The amplifier shall be a Vocia VA-4300CV.

VO-4

The audio output device shall be designed exclusively for use with Biamp® Vocia® systems. The audio output device shall be rack mountable (1RU) and provide audio and control via CobraNet®. The audio output device shall receive Power over Ethernet (PoE) utilizing a single (CAT5) network cable to a rear panel RJ-45 connector. The output device shall provide four removable terminal block connectors for line-level audio outputs, four control inputs, and four control outputs. The audio output device shall provide local digital audio signal processing and local storage of configuration data. The audio output device shall indicate signal and clip with LEDs on the front panel. The audio output device shall be CE marked, UL listed and compliant with the RoHS directive. Warranty shall be 5 years. The output device shall be a Vocia VO-4.

VO-4e

The audio output device shall be designed exclusively for use with Biamp® Vocia® systems. The audio output device shall support audio and monitoring connections to 3rd party amplifiers. The audio output device shall support the use of Vocia ANC-1 ambient noise compensation devices and ELD-1 end of line devices for automatic level control and speaker line supervision monitoring. The audio output device shall support CobraNet® outputs to supported 3rd party CobraNet enabled amplifiers and/or audio/digital signal processors such as Biamp AudiaFLEX and Tesira. The audio output device shall support relay input connections for supervision of 3rd party amplifiers or powered speakers. The audio output device shall be CE marked, UL listed and compliant with the RoHS directive. Warranty shall be 5 years. The output device shall be a Vocia VO-4e.

VOCIA MODULES

PARM-1

The relay module shall be designed exclusively for use with Biamp® Vocia® systems. The relay module shall be mountable in the VA-8600 amplifier and provide eight SPDT relay contact connections. A relay shall be energized when paging is active on the corresponding AM-600 amplifier channel. The relay device shall be compliant with the RoHS directive. Warranty shall be 5 years. The relay device shall be a Vocia PARM-1.

VFOM-1

The failover module shall be designed exclusively for use with Biamp® Vocia® systems. The failover module shall be mountable in the VA-8600/VA-8600c amplifier and provide selectable 3:1, 7:1, or dual 3:1 channel failover. The failover module shall be EN 54-16 certified, CE marked and compliant with the RoHS directive. Warranty shall be 5 years. The failover module shall be a Vocia VFOM-1.

VOCIA CONTROLLERS

ANC-1

The ambient noise compensation device shall be designed exclusively for use with Biamp® Vocia® systems and shall employ an adaptive algorithm to determine appropriate responses to ambient noise in the presence of signals and for a variety of acoustic spaces. The ambient noise compensation device shall accept ambient noise inputs either from one or two standard high-quality sensing microphones or one or two line-level sources, and adjust amplifier output levels via CobraNet®. The ambient noise compensation device shall receive Power over Ethernet (PoE), utilizing a single (CAT5) network cable to a rear panel RJ-45 connector. The input gain and ANC parameters of the device shall be user-configurable via the Vocia software interface. The ambient noise compensation device shall be CE marked and compliant with the RoHS directive. Warranty shall be 5 years. The ambient noise compensation device shall be a Vocia ANC-1.

CI-1

The control interface shall be designed exclusively for use with Biamp® Vocia® systems in conjunction with the Vocia Life Safety Interface. The control interface shall provide a sounder to deliver audible notification of alarm, fault or trouble conditions. The control interface shall provide switches for local sounder silence, system test and system fault reset and shall provide pass-through interconnections for connection of the Life Safety Interface to fire detection equipment, connections for Ethernet fault and power supply fault signals, required termination resistors and summing for dual 24V power supplies. The life safety interface shall be EN 54-16 Certified Product 082-CPD-1401, UL listed and compliant with the RoHS directive. Warranty shall be 5 years. The control interface shall be a Vocia CI-1.

ELD-1

The end of line device shall be designed exclusively for use with Biamp® Vocia® systems. The end of line device shall be wall mountable and receive Power over Ethernet (PoE), utilizing a single (CAT5) network cable to an RJ-45 connector. The end of line device shall not rely on the speaker cable for powering. The end of line device shall be CE marked, UL listed and compliant with the RoHS directive. Warranty shall be 5 years. The end of line device shall be a Vocia ELD-1.

GPIO-1

The general purpose input/output device shall be designed exclusively for use with Biamp® Vocia® systems. The general purpose input/output device shall provide a networked emergency interface to third party emergency and alarm systems as well as standard logic control systems. The general purpose input/output device shall have redundant power supply and network connections. The general purpose input/output device shall be powered from a certified 24V DC power source or by Power over Ethernet (PoE) via either of two network ports. The general purpose input/output device shall have sixteen monitored inputs and 16 outputs. The general purpose input/output device shall work in conjunction with the Vocia enhanced life safety interface (LSI-16e) for emergency systems. The general purpose input/output device shall also function independently for integrating with standard logic control systems. The general purpose input/output device shall be EN 54-16 certified, CE marked, UL listed and compliant with the RoHS directive. Warranty shall be 5 years. The general purpose input/output device shall be a Vocia GPIO-1.

LSI-16

The life safety interface shall be designed exclusively for use with Biamp® Vocia® systems. The life safety interface shall provide a networked emergency interface to third-party emergency and alarm systems. The life safety interface shall have redundant power supply and network connections. The life safety interface shall be powered from a certified 24V DC power source or by Power over Ethernet (PoE) via either of two network ports. The life safety interface shall have eight monitored I/O and eight control inputs and control up to four emergency zones. The life safety interface shall be EN 54-16 certified, CE marked, UL listed and compliant with the RoHS directive. Warranty shall be 5 years. The life safety interface shall be a Vocia LSI-16.

LSI-16e

The enhanced life safety interface shall be designed exclusively for use with Biamp® Vocia® systems. The enhanced life safety interface shall provide a networked emergency interface to third-party emergency and alarm systems. The enhanced life safety interface shall have redundant power supply and network connections. The enhanced life safety interface shall be powered from a certified 24V DC power source or by Power over Ethernet (PoE) via either of two network ports. The enhanced life safety interface shall have eight monitored I/O and eight control inputs. The enhanced life safety interface shall offer up to 20 discrete emergency inputs, 16 of which shall be programmable to play an emergency message, enable a zone reset or zone silence. The enhanced life safety interface shall provide up to 10 inputs per emergency zone. The enhanced life safety interface shall be EN 54-16 certified, CE marked, UL listed and compliant with the RoHS directive. Warranty shall be 5 years. The enhanced life safety interface shall be a Vocia LSI-16e.

VOCIA CONTROLLERS (CONTINUED)

PLD-1

The passive end of line device shall be designed exclusively for use with Biamp® Vocia® systems. The passive end of line device shall not require any additional cabling. The passive end of line device shall be plenum rated. The passive end of line device shall be CE marked, UL listed and compliant with the RoHS directive. Warranty shall be 5 years. The passive end of line device shall be a Vocia PLD-1 or PLD-2.

WR-1

The wall remote shall be designed exclusively for use with Biamp® Vocia® systems. The wall remote shall be surface mountable to a flat wall or to typical international back boxes. The wall remote shall receive Power over Ethernet (PoE), utilizing a single (CAT5) network cable to a rear panel RJ-45 connector. The wall remote shall feature a backlit graphical LCD screen and be software configurable to provide volume, source selection and page inhibit settings. The wall remote shall be CE marked and compliant with the RoHS directive. Warranty shall be 5 years. The wall remote shall be a Vocia WR-1.

VOCIA SERVERS

MS-1e

The message server shall be designed exclusively for use with Biamp® Vocia® systems. The server shall be rack mountable in one rack space (1RU) and shall support advanced paging functionalities such as recorded message storage and playback, system configuration storage, inter-world support, event scheduling, time server support, storage of logged system data, VoIP triggered paging, email notification, and remote third party control capability. The server shall feature a status LED and separate ports for TCP/IP Control and CobraNet. The message server shall be CE marked, UL listed and compliant with the RoHS directive. Warranty shall be 2 years. The message server shall be a Vocia MS-1e.

TTS-1e

The text-to-speech server shall be designed exclusively for use with Biamp Vocia systems. The text-to-speech server shall be rack mountable in one rack space and shall provide conversion from text to voice announcements in multiple languages and voices. The text-to-speech server shall support user-defined templates and send the resulting voice announcements digitally over CobraNet to the requested destinations. The text-to-speech server shall feature a status LED and separate ports for TCP/IP control and CobraNet. The text-to-speech server shall be CE marked and compliant with the RoHS directive. Warranty shall be 2 years. The text-to-speech server shall be a Vocia TTS-1e.

TTS-1nce

The text-to-speech server shall be designed exclusively for use with Biamp Vocia systems. The text-to-speech server shall be rack mountable in one rack space and shall provide conversion from text to voice announcements in multiple languages and voices. The text-to-speech server shall support user-defined templates and send the resulting voice announcements digitally over CobraNet to the requested destinations. The text-to-speech server shall feature a status LED and separate ports for TCP/IP control and CobraNet. The text-to-speech server shall interface with Rauland-Borg Nurse Call Responder 5 systems. The text-to-speech server shall be CE marked and compliant with the RoHS directive. Warranty shall be 2 years. The text-to-speech server shall be a Vocia TTS-1nce.