

Bid Specifications: SAFECONNECT Belt-Bridge

PHYSICAL CHARACTERISTICS

Size	Unit shall not exceed 4.5"W x 6.5"H x 2.5"D in total size.
Weight	Unit shall not exceed 1.2 lbs.
Ingress Protection Rating	IP54 rated; defined as protected against limited dust ingress and water sprayed from all directions.

ENVIRONMENTAL

Temperature	-20° to +50°C (-4° to +122°F)
Humidity	Operating humidity range 0-95% RH, non-condensing

OPERATION

Keypad	The unit shall operate with single on/off button operation.
LED Status	3 LEDs shall be present continuously providing status of battery power, communications, and GPS indication.
Wireless interface	Shall utilize a 900 Mhz, 1W, spread spectrum, frequency-hopping radio
Communication Range	Unit shall be capable of providing mission critical information up to 2 miles line of site back to command station.
GPS Location	Unit shall possess GPS location as standard option.
Repeater Capability	Radio shall have the ability to be configured as a repeater.
Command Center	Command center shall the MSA SAFECOM Command Center.

POWER REQUIREMENTS

Battery Type	Unit shall operate using 4 standard AA NiMH Rechargeable or Alkaline batteries.
Battery Charge Time	Batteries shall be able to fully charge in 15 minutes or less.
Battery Runtime	AA NiMH rechargeable batteries must provide 12 hour minimum runtime (battery runtime may be affected at temperatures below 0°C or above +40°C).

WARRANTY

Full Replacement Warranty	Instrument shall have one year parts and labor standard warranty with extended five year warranty available.
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Bid Specifications: Sirius Wireless Interface

PHYSICAL CHARACTERISTICS

Size	Unit shall not exceed 3.5"W x 2.1"H x 1.0"D
Weight	Unit shall not exceed 0.15 lbs.
Ingress Protection Rating	IP54 rated; defined as protected against limited dust ingress and water sprayed from all directions.

ENVIRONMENTAL

Temperature	-20° to +50°C (-4° to +122°F)
Humidity	Operating humidity range 0-95% RH, non-condensing

OPERATION

User Interface	The unit shall operate with single LINK button activation only.
Wireless interface	Shall utilize Bluetooth technology to communicate information to the belt-bridge and IRDA communication to the instrument.
Communication Range	Unit shall be capable of communicating up to 6' to the instrument.

POWER REQUIREMENTS

Battery Type	Unit shall operate using 1 CR2477 1000mAH replaceable coin cell
Battery Runtime	CR2477 1000mAH coin cell shall provide up to 18 months of 50 hours per week operation (battery runtime may be affected at temperatures below 0°C or above +40°C).

WARRANTY

Full Replacement Warranty	Instrument shall have one year parts and labor standard warranty with extended five year warranty available.
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