

BID PACKAGE

for

BID 2014-02

Automatic External Defibrillators—AEDs

August 15, 2013

TOWN OF LEDYARD

INVITATION TO BID – 2014-02

The Town of Ledyard seeks sealed bids for thirty six (36) Automatic External Defibrillators (AED) that meet or exceed the attached technical specifications. Responses to this bid should include all relevant documentation including technical specifications of the device to be provided and all applicable warranties. Responses should also include any available information for trade in or environmentally friendly disposal of the AED units currently possessed by the Town's ambulance service. Bidding documents may be obtained online at www.ledyardct.org or in person at the Ledyard Town Hall, 741 Colonel Ledyard Highway, Ledyard, CT 06339, between the hours of 9:00 a.m. and 4:00 p.m.

Sealed proposals will be received until 2 P.M. on Thursday, August 29, 2013, at the above address, at which time they will be publicly opened and read aloud in Town Hall. Proposals received after that time will not be accepted and will be returned to the bidder unopened. Sealed proposals must be clearly marked "2014-02 – Automatic External Defibrillators--AEDs."

Questions about the bid process may be directed to Marcia Hancock at 860-464-3235 or by email at finance.director@ledyardct.org.

The Town of Ledyard reserves the right to waive technical defects in the bids, to reject any bids which do not conform to terms and conditions described in the specifications, to reject any or all bids and again invite bids, and to waive informalities or irregularities in the bidding process.

The award of a contract, if awarded, will be to the lowest responsible bidder, provided that the bid is reasonable, and provided that it is in the best interest of the Town of Ledyard to accept such bid, and subject to any choice by the Town of Ledyard as to any alternate specifications as may be agreed upon.



Marcia Hancock
Director of Finance

INSTRUCTIONS

For the requirements listed in each worksheet of these Bid Specifications, Respondent must enter “Yes” or “No” under the “Comply” column in order to indicate whether or not the AED meets the requirements.

If the AED does not meet a particular requirement, the Respondent must provide, on a separate page titled “Exceptions” an explanation for why the AED should be considered nonetheless. The Respondent shall use the listed Specification Number as a reference for each Exception.

AED PERFORMANCE		
Spec #	Specifications	Comply (Yes/No)
1.1	AED shall deliver therapy using a biphasic waveform and automatically adjust parameters as a function of chest impedance during the delivery of the waveform.	
1.2	Item should include protective case with all necessary accessories to be fully operational, including battery, cables (if separate from pads), two sets/pairs of adult pads, and one set of pediatric pads (if applicable).	
1.3	AEDs shall be approved for use on Adults and Children (with appropriate adaptive equipment)	
1.4	AED shall meet current performance standards for the defibrillators as dictated by the Connecticut Department of Public Health Office of Emergency Medical Services as well as current Connecticut and Federal statutory regulations.	
1.5	AED shall be able to deliver a minimum 150 Joules of energy to a 50-ohm load.	
1.6	AED shall provide clearly understandable, high-fidelity voice prompts. The first voice prompt must be within 4 seconds of power-on.	
1.7	AED shall have voice and visual prompts to guide user through the rescue process in a simple step-by-step manner based on the 2010 AHA/ECC guidelines for CPR and defibrillation.	
1.8	AED shall achieve full charge within 10 seconds of shock advised.	
1.9	AED shall be semi-automatic.	
1.10	The AED shall disarm the capacitor internally under any of the following conditions: <ul style="list-style-type: none"> • No shock decision is reached • The AED is turned off • 30 seconds after arming if the shock button is not pressed • The defibrillator pads are removed from the patient, or the pads connector is disconnected from the AED. 	
1.11	The AED patient analysis algorithm shall derive Shock/No Shock decisions based on a combination of the following ECG data criteria: Conduction, Rate, Amplitude, and overall Stability.	
1.12	The AED shall analyze the heart rhythm without requiring the user to initiate analysis.	

AED MAINTENANCE AND TESTING		
Spec #	Specifications	Comply (Yes/No)
2.1	AED shall conduct an automated self-test, where every component is tested, at each of the following intervals/events: <ul style="list-style-type: none"> • Daily; • Weekly; • Monthly; • Following the insertion of the battery. 	
2.2	AED shall be capable of performing a minimum of a partial energy discharge test as part of its automotive and periodic self-testing routine.	
2.3	AED shall provide an active visual indicator that it has passed all internal self-tests and is ready for deployment.	
2.4	AED shall provide a visual and audible indicator when <ul style="list-style-type: none"> • An error is detected during self-testing • The battery is low, depleted or missing 	
2.5	The AED shall not require routine calibration by service personnel.	
2.6	The AED shall not require an external self-testing device.	

AED SIZE, WEIGHT AND DURABILITY		
Spec #	Specifications	Comply (Yes/No)
3.1	AED shall be designed for storage and transportation in vehicle trunks or compartments, and be capable of withstanding year-round Connecticut temperatures.	
3.2	AED shall be designed to withstand a drop of 1 meter to any edge, corner, or surface and remain operational, per MEL-STD-819E 516.4 or 5.	
3.3	AED shall meet or exceed vibration standards of MIL-STD-810.	
3.4	AED shall meet or exceed IEC-529 DPX4 for water resistance.	
3.5	AED shall meet minimum operational temperature range of 0 degrees Celsius to 50 degrees Celsius.	
3.6	AED shall be capable of operating in a relative humidity of 10% to 95%.	

AED ENERGY SOURCE		
Spec #	Specifications	Comply (Yes/No)
4.1	AED shall utilize a single sealed, non-rechargeable, Lithium battery.	
4.2	The battery shall provide an operating capacity of no fewer than 200 discharges at standard operating temperature.	
4.3	Expected shelf life of a new battery shall be five (5) years from the date of manufacture.	
4.4	Battery shall be warranted for a minimum of one (1) year from the date of installation.	

AED DEFIBRILLATOR PADS AND CABLE		
Spec #	Specifications	Comply (Yes/No)
5.1	Two (2) sets of adult pads (if pads are differentiated based on age) shall be provided with each unit.	
5.2	Defibrillation pads shall include an integrated, disposable connector to the AED.	
5.3	Pads shall be installed and ready to use in AED prior to rescue.	
5.4	Comprehensive placement icons shall appear on each defibrillation pad.	
5.5	Adult defibrillation pads shall be compatible with other manufacturers' defibrillators with adapters to connect to an Advanced Life Support Defibrillator.	
5.6	One (1) set of Pediatric defibrillation pads (if needed) must be available and included with the AED.	
5.7	Defibrillation cables shall be at least 3 feet in length.	

AED CASES AND ACCESSORIES		
Spec #	Specifications	Comply (Yes/No)
6.1	Eighteen (18) Waterproof Pelican style cases shall be provided. Attach product description to bid.	
6.2	Eighteen (18) soft-sided cases shall be provided. Attach product description to bid.	
6.3	Cases shall be capable of holding AED and all included accessories.	
6.4	Thirty Six (36) "Ready kits" shall be provided. Kits are to be zippered pouches and contain the following items: Disposable Nitrile Gloves, CPR Pocket Mask, Paramedic Scissors, Disposable Razor, and Absorbent Towel.	

AED TRAINING		
Spec #	Specifications	Comply (Yes/No)
7.1	Training shall be made available via a stand-alone training unit which closely matches the actual operation of the deployed unit.	
7.2	Training electrodes shall be capable of applications to standard training mannequins.	

AED COLLECTION AND REVIEW		
Spec #	Specifications	Comply (Yes/No)
8.1	AED shall provide a minimum of 15 minutes of internal event documentation.	
8.2	AED shall have an internal clock that can be synchronized to PC clock via the PC connection.	
8.3	AED shall provide the means to collect and store event, use, and diagnostic test data.	
8.4	AED shall be able to store and display information about its historical use.	
8.5	Software designed to transfer defibrillator incident data, that is Windows based and PC compatible, must be available, and three (3) sets of PC licenses and connection equipment must be provided. Software shall be capable of storing, writing to disc, and printing event and diagnostic test data.	
8.6	All software must comply with State and Federal reporting requirements.	
8.7	Vendor shall notify the using agency of any upgrades or changes to the software for the life of the AED. These upgrades and changes shall be provided free of charge for the warranty period of the AED.	
8.8	Vendor shall provide support for the software, free of charge, during the warranty period of the AED.	

AED MAINTENANCE AND TESTING SPECIFICATIONS		
Spec #	Specifications	Comply (Yes/No)
9.1	Manufacturer shall provide (free of charge) a warranty of no less than 5 years in length with guaranteed product replacement within 72 hours.	
9.2	A point of contact for service or related questions shall be available 24 hours per day, 7 days per week.	
9.3	Vendor shall provide a problem resolution/escalation procedure that details how system problems are resolved and service calls are dispatched. (Respondent must attach this procedure to this bid).	
9.4	Manufacturer shall offer technical assistance via a toll-free number help line for the life of the AED.	
9.5	Respondent or manufacturer shall provide local manufacturer representative and online product information.	
9.6	Manufacturer shall be capable of providing service or replacement for all warranty related problems within 72 hours.	
9.7	All AEDs, batteries and accessories shall be manufactured new upon purchase. Refurbished, used, or repaired equipment is not acceptable.	