



# Notice of Contract Purchase Agreement

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
ONE CAPITOL HILL  
PROVIDENCE RI 02908

ZOLL MEDICAL CORP  
269 MILL RD  
CHELMSFORD, MA 01824  
United States

AUTOMATED EXTERNAL DEFIBRILLATORS (MPA-370) 4/1/14 - 12/31/18	
<b>Award Number</b> 3359305	<b>Effective Period:</b> 01-APR-14 - 31-DEC-18

<b>S H I P  T O</b>	MASTER PRICE AGREEMENT SEE BELOW RELEASE AGAINST,RI MPA United States	<b>I N V O I C E</b>	MASTER PRICE AGREEMENT SEE BELOW RELEASE AGAINST,RI MPA United States

<b>Date:</b> 02-JAN-14
<b>Buyer:</b> C Mellillo
<b>Shipping:</b> Paid
<b>Terms:</b> NET 30
<b>Vendor#:</b> 22436

Department	Type of Requisition	Bid Number	Requisition Number
		N/A	

4/1/14 - 12/31/18  
MPA-370

AUTOMATED EXTERNAL DEFIBRILLATORS PER SPECIFICATIONS AND DOCUMENTS OF PUBLIC BID #7563676.

AUTOMATIC EXTERNAL DEFIBRILLATORS TO BE USED BY THE DEPARTMENTS AND AGENCIES OF THE STATE, CTIES AND TOWNS, SCHOOL DISTRICTS, GOVERNMENTAL SUBDIVISIONS AND THE COLLEGES (RI COLLEGE AND CCRI) AND UNIVERSITY (URI) WITHIN THE STATE OF RHODE ISLAND

ATTACHED ARE PRICE LISTS FOR THE MODELS AND ACCESSORIES THAT VENDOR WILL MAKE AVAILABLE.  
\* ZOLL

SHIPPING IS TO BE PART OF PRICE.  
SUBMIT NEW PRODUCT LIST AS EQUIPMENT IS UPDATED.  
PRICES MAY BE ADJUSTED AT THE END OF THE SECOND (2ND) AND FOURTH (4TH) YEARS BY SUBMITTING UPDATED PRICE LISTS.  
VENDOR MUST BE AN AUTHORIZED DISTRIBUTOR

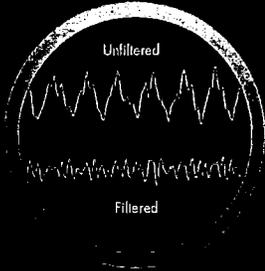
SUPPLIER CONTACT: GENE MCAULIFFE  
CHANNEL PARTNER MGR  
(978) 697-4942  
gmcauliffe@zoll.com

STATE PURCHASING AGENT
Lorraine A. Hynes

This Notice of Award/Purchase Order is issued in accordance with the specific requirements described herein and the State's Purchasing Regulations and General Conditions of Purchase, copies of which are available at [www.purchasing.ri.gov](http://www.purchasing.ri.gov). Delivery of goods or services as described herein shall be deemed acceptance of these requirements

## RescueNet® Link

Sense'n Sync™ technology automatically uploads data from the E Series® monitor/defibrillator, RescueNet ePCR, CommCAD and Navigator vehicle mapping in real time to a large screen.

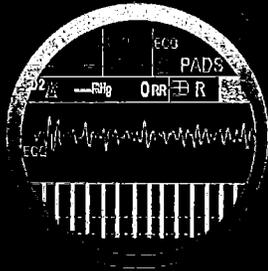


## See-Thru CPR®

Artifact filtering shows underlying rhythm without stopping compressions – minimizes pausing.

## Real CPR Help®

The original real-time rate and depth feedback – improves compression quality.

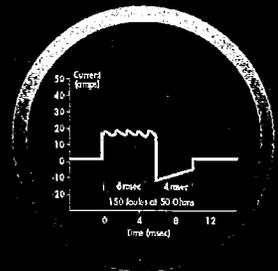


## AutoPulse®

Load-distributing band (LDB) delivers clinically proven compressions and does not have to be paused during patient movement. Also safer for rescuers in a moving vehicle.

## Rectilinear Biphasic™

High current/low energy waveform: the only defibrillation waveform allowed by the FDA to claim superiority over monophasic.



# Section – III.

# Price List

## AED Plus Packages

### Semi-Automatic AED Plus Packages

Part Number	Description	List Price	State of RI
8000-004000-01	Option #1 AED Plus with Medical Prescription: ZOLL AED Plus with AED Cover, PlusRX Medical Prescription, CPR-D-padz® Electrode, pack of 10 CR123a batteries, and Carry Case	\$2,100	\$1,375.00
8000-004003-01	Option #2 AED Plus with PlusTrac Professional1: ZOLL AED Plus with AED Cover, PlusTrac Professional1*, CPR-D-padz® Electrode, pack of 10 CR123a batteries, and Carry Case	\$2,299	\$1,510.00
8000-004004-01	Option #3 AED Plus with PlusTrac Professional5: ZOLL AED Plus with AED Cover, PlusTrac Professional5*, CPR-D-padz® Electrode, pack of 10 CR123a batteries, and Carry Case	\$2,599	\$1,700.00

### Fully Automatic AED Plus Packages

Part Number	Description	List Price	State of RI
8000-004007-01	Option #4 Fully Automatic AED Plus with Medical Prescription: ZOLL Fully Automatic AED Plus with AED Cover, PlusRX Medical Prescription, CPR-D-padz® Electrode, pack of 10 CR123a batteries, and Carry Case	\$2,100	\$1,375.00
8000-004010-01	Option #5 Fully Automatic AED Plus with PlusTrac Professional1: ZOLL Fully Automatic AED Plus with AED Cover, PlusTrac Professional1*, CPR-D-padz® Electrode, pack of 10 CR123a batteries, and Carry Case	\$2,299	\$1,510.00
8000-004011-01	Option #6 Fully Automatic AED Plus with PlusTrac Professional5: ZOLL Fully Automatic AED Plus with AED Cover, PlusTrac Professional5*, CPR-D-padz® Electrode, pack of 10 CR123a batteries, and Carry Case	\$2,599	\$1,700.00

		<b>AED Plus Package - EMS Option</b>	<b>\$1,458.20</b>
2 0 1 0 0 0 0 0 1 0 1 0 1 1 0 1 0 1.		<b>Package includes:</b>	
		<b>AED Plus with Graphical Cover</b>	<b>\$1,275.00</b>
		<small>Includes: LCD screen showing voice prompt messages, device advisory messages, elapsed time, shock count and chest compression graph. Supplied with Public Safety PASS Cover, Software, Operator's Guide and (5) five year limited warranty.</small>	
8000-0807-01	2.	Type 123 Lithium Batteries, quantity of ten (10) with storage sleeve	\$80.00
8900-0801-01	3.	stat-padz II Adult Multi-Function Electrodes (1 pair)	\$47.20
8900-0810-01	4.	pedi-padz® II Pediatric Multi-Function Electrodes	\$76.00
		<small>Designed for use with the AED Plus. The AED recognizes when pedi-padz II are connected and automatically proceeds with a pediatric ECG and adjusts energy to pediatric levels. Twenty four (24) month shelf life. One pair.</small>	

**ZOLL AED Plus - EMS / Public Safety Series**

List Price State of RI

**AED Plus ®**

Includes: LCD screen showing voice prompt messages, device advisory messages, elapsed time, shock count and chest compression graph. Supplied with Public Safety PASS Cover, Softcase, Operator's Guide and (5) five year limited warranty.

Option Fields

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
2	0	1	0	0	0	0	0	0	1	0	1	0	1	1	0	1	0
2	0	1	0	0	0	0	0	0	1	0	2	0	1	1	0	1	0
2	0	1	0	0	0	0	0	3	0	2	0	1	1	0	1	0	0
2	0	6	0	0	0	0	0	1	0	1	0	1	1	0	1	0	0
2	0	7	0	0	0	0	0	1	0	1	0	1	1	0	1	0	0
2	0	5	0	0	0	0	0	1	0	2	0	1	1	0	1	0	0

AED Plus with Graphical Cover

\$1,995 \$1,275.00

AED Plus with AED Cover

\$1,995 \$1,275.00

AED Plus with Professional Interface (no circle of icons)

\$1,995 \$1,275.00

AED Plus and Small Pelican Case

\$2,095 \$1,375.00

AED Plus and Large Pelican Case

\$2,145 \$1,425.00

AED Plus with AED cover and Police Carry Case

\$1,995 \$1,275.00

**Fully Automatic AED Plus ®**

Includes: LCD screen showing voice prompt messages, device advisory messages, elapsed time, shock count and chest compression graph. Supplied with AED Cover, Type 123 Lithium Batteries quantity of ten (10), CPR-D-padz, Operator's Guide and (5) five year limited warranty.

Option Fields

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
2	1	4	0	0	7	1	0	7	0	2	0	1	1	0	1	0	0
2	2	2	0	0	7	1	0	7	0	2	0	1	1	0	1	0	0

Fully automatic AED Plus with AED Cover

\$2,095 \$1,375.00

Fully automatic AED Plus with AED Cover and Medical Prescription

\$2,095 \$1,375.00

**Fully Automatic AED Plus ®**

Includes: LCD screen showing voice prompt messages, device advisory messages, elapsed time, shock count and chest compression graph. Supplied with PASS Cover, Softcase, Operator's Guide and (5) five year limited warranty.

Option Fields

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
2	2	3	0	0	7	0	0	7	0	1	0	1	1	0	1	0	0
2	2	3	0	0	7	0	0	7	0	2	0	1	1	0	1	0	0

Fully Automatic AED Plus with Graphical Cover

\$1,995 \$1,275.00

Fully Automatic AED Plus with AED Cover

\$1,995 \$1,275.00

**AED Plus with VOICE RECORDING**

Includes: Built-in digital voice recording, LCD screen showing voice prompt messages, device advisory messages, elapsed time, shock count and chest compression graph. Supplied with Public Safety PASS Cover, Softcase, Operator's Guide and (5) five year limited warranty.

Option Fields

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
2	0	1	0	0	0	0	1	1	0	1	0	1	1	0	1	0	0
2	0	1	0	0	0	0	1	1	0	2	0	1	1	0	1	0	0
2	0	1	0	0	0	0	1	3	0	2	0	1	1	0	1	0	0
2	0	6	0	0	0	0	1	1	0	1	0	1	1	0	1	0	0
2	0	7	0	0	0	0	1	1	0	1	0	1	1	0	1	0	0
2	0	5	0	0	0	0	1	1	0	2	0	1	1	0	1	0	0

AED Plus with Voice Recording and Graphical Cover

\$2,210 \$1,490.00

AED Plus with Voice Recording and AED Cover

\$2,210 \$1,490.00

AED Plus with Voice Recording and Professional Interface (no circle of icons)

\$2,210 \$1,490.00

AED Plus with Voice Recording and Small Pelican Case

\$2,300 \$1,580.00

AED Plus with Voice Recording and Large Pelican Case

\$2,345 \$1,625.00

AED Plus with Voice Recording, AED Cover, and Police Carry Case

\$2,210 \$1,490.00

## AED Plus Accessories

		List Price	State of RI
<b><u>Disposables</u></b>			
8900-0800-01	<i>CPR-D • padz</i> • one piece electrode pad with Real CPR Help®. Supplied with gloves, barrier mask, scissors, razor, wet wipe and dry wipe. Five (5) year shelf-life.	\$169	\$135.20
8900-0807-01	<i>CPR-D</i> accessory kit contains CPR barrier mask, scissors, gloves, prep razor, towel and a moist towelette in a small zip-lock pouch, one each.	\$19	\$15.20
8900-0808-01	<i>CPR-D</i> accessory kit contains CPR barrier mask, scissors, gloves, prep razor, towel and a moist towelette in a small zip-lock pouch, one case of 50 each.	\$800	\$640.00
8900-0810-01	<i>pedi • padz</i> • II Pediatric Multi-Function Electrodes - Designed for use with the AED Plus. The AED recognizes when <i>pedi • padz</i> II are connected and automatically proceeds with a pediatric ECG and adjusts energy to pediatric levels. Twenty four (24) month shelf-life. One pair.	\$95	\$76.00
<b><u>Battery Support</u></b>			
8000-0807-01	Type 123 Lithium Batteries, quantity of ten (10) with storage sleeve	\$75	\$60.00
Note: Batteries & Electrodes must be purchased separately.			
** Contact Local Representative for quantity requirements.			
<b><u>Miscellaneous</u></b>			
7771-000013-01	AED Plus 2010 Guidelines Upgrade, CD ONLY. Includes ZOLL Administrative Software (ZAS), AED Plus upgrade instructions and a software update acknowledgement card.	\$10	\$10.00
7771-000011-01	AED Plus 2010 Guidelines Upgrade, Single Kit (CD and One Overlay Label Set). Includes AED Plus upgrade instructions, ZOLL Administrative Software (ZAS) and one overlay label set for modifying icons on the face of the AED Plus, overlay label placement instructions and a software update acknowledgement card.	\$10	\$10.00
7771-000010-01	AED Plus 2010 Guidelines Upgrade, Ten Kit (CD and Overlay Label Sets). Includes AED Plus upgrade instructions, ZOLL Administrative Software (ZAS) and ten overlay label sets for modifying icons on the face of the AED Plus, overlay label placement instructions and a software update acknowledgement card.	\$100	\$100.00
7777-000700-01	AED Plus 2010 Guidelines Upgrade, 10 Overlay Labels. Includes 10 overlay label sets for modifying icons on the face of the AED Plus and overlay label placement instructions.	\$100	\$100.00
7777-0801-01	AED Plus 5.1 Application Software Upgrade Kit. Allows users to upgrade their AED Plus ® to the latest level of software. Allows the AED Plus ® to recognize <i>Pedi Padz II</i> and perform pediatric rescue. Includes Admin Guide and Upgrade Instructions.	\$25	\$25.00
8000-0837-01	Large Pelican Case with cut-outs for AED Plus, <i>CPR-D • padz</i> and <i>pedi • padz II</i>	\$219	\$175.20
8000-0836-01	Small Pelican Case with cut-outs for AED Plus ® only	\$199	\$159.20
8000-0802-01	Replacement Softcase	\$105	\$84.00
8000-0806-01	Replacement Softcase - POLICE	\$105	\$84.00
8000-0812-01	Replacement Public Safety PASS Cover designed for <i>CPR-D Padz</i> and accessories	\$55	\$44.00
8000-0808-01	Replacement Public Access PASS Cover (Graphic Interface Label) designed for <i>CPR-D Padz</i> and accessories	\$55	\$44.00
8000-0803-01	Compact Low Profile Public Safety Cover (not for use with <i>CPR-D Padz</i> and accessories)	\$55	\$44.00
8000-0804-01	Defibrillator Analyzer Adapter Cable - connects AED Plus to defibrillator analyzer	\$105	\$84.00
8000-0819-01	Simulator/Tester -connects to AED Plus to demonstrate operation	\$239	\$191.20
8000-0809-01	Mounting Bracket (used to mount unit on the wall)	\$65	\$52.00
8000-0855	Standard Metal Wall Cabinet	\$199	\$159.20
8000-0738	Standard Metal Wall Cabinet with Strobe Light	\$229	\$183.20
8000-0817	Surface Wall Mounting Box	\$319	\$255.20
8000-0814	Recessed Wall Mounting Box	\$319	\$255.20
8000-0811	Flush Wall Mounting Box	\$319	\$255.20
8000-0856	Clear AED Plus ® Wall Cabinet	\$350	\$280.00
8000-0608-01	RescueNet Code Review Software - Physical copy	\$95	\$76.00
8000-0815	USB IrDA Adapter	\$105	\$84.00
8000-0816	RS-232 IrDA Adapter	\$105	\$84.00
9650-0300-01	Operator's Guide for individual operators or for use as wall poster **	\$6	\$4.80
9650-0301-01	Administration Guide	\$6	\$4.80
8000-0311-01	ZOLL Administration Software, CD-ROM	\$169	\$159.00
9658-0401-01	EMS / Public Safety AED Plus ® Promotional Video - Mpeg file on CD	\$25	\$20.00
9310-0738	AED Plus 3-D Wall Sign	\$14	\$11.20
8000-0825	AED Plus Wall Sign (8 1/2" x 11")	\$11	\$8.80

## AED Plus Training and Accessories

List Price State of RI

### AED Plus Trainer 2 Unit

The AED Plus Trainer2 can be used by trainers to train users of the AED Plus. Supplied with wireless Remote Controller, one set of *CPR-D* training electrodes, one pair of replacement gels, 4 D-Cell batteries, 2 AA batteries, Operators Guide, and a (6) six month limited warranty.

Option Fields

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
8	0	0	8	-	0	0	5	0	-	0	1					

AED Plus Trainer 2 Unit

\$379 \$303.20

The Fully Automatic AED Plus Trainer2 can be used by trainers to train users of the AED Plus. Supplied with wireless Remote Controller, one set of *CPR-D* training electrodes, one pair of replacement gels, 4 D-Cell batteries, 2 AA batteries, Operators Guide, and a (6) six month limited warranty.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
8	0	0	8	-	0	0	0	0	5	2	-	0	1			

AED Plus Fully Automatic Trainer 2 Unit

\$379 \$303.20

### Accessories

8900-0804-01	<i>CPR-D • padz</i> Training Electrodes (TO BE USED WITH TRAINER ONLY)-- with reusable "Z-design" electrode with CPR hand placement Indicator and one (1) pair of disposable adhesive gels. (Note: the disposable gels must be applied to the reusable pad before use.)	\$90	\$72.00
8900-0803-01	Replacement Adhesive gels for <i>CPR-D • padz</i> - Training Electrode replacements, 5 pair.	\$31	\$24.80
8900-000861-01	Trainer Electrode, pedi•padz II (6 pairs per case)	\$129	\$103.20
8008-0007	Trainer2 Wireless Remote Controller with 2 AA batteries (replacement)	\$69	\$55.20
8000-0375-01	ZOLL AED Plus Trainer / Trainer2 Carry Case.	\$85	\$68.00
** Note: Replacement D-cell and AA batteries are not available from ZOLL.			
8000-0821	Trainer Phone Cord (replacement)	\$21	\$16.80
8000-0822	Trainer US AC Adapter	\$55	\$44.00
1008-0113-01	Trainer Remote (replacement)	\$165	\$132.00
9650-0304-01	Trainer Operator's Guide (replacement)	\$11	\$8.80
9650-0850-01	AED Plus EMS and Public Safety Video - VHS	\$27	\$21.60
9650-0851-01	AED Plus First Responder Video - VHS	\$27	\$21.60
9658-0413-01	AED Plus Setup and Practice Videos. AED Plus in-service and training DVD collection. Includes videos on In-servicing your AED Plus, setting up the device, and performing single and team rescues with the AED Plus. DVD also contains WMV files allowing users who do not have the capability to play a DVD the ability to view the videos.	\$10	\$8.00

\*\* Note: Batteries & Electrodes must be purchased separately.

### AED Plus Demonstration Tools

8000-0834-01	AED Demo Kit. Includes carry bag, manikin torso with head and one <i>CPR-D</i> Demo Pad.	\$399	\$319.20
8000-0847-01	AED Plus Demo Kit Carry Bag	\$149	\$119.20
8000-0835-01	AED Plus Demo Manikin. Includes manikin torso with velcro strips attached and a separate head with hardware for attachment	\$199	\$159.20
8900-5007	<i>CPR-D</i> Demo Pad (TO BE USED WITH CLINICAL UNIT ONLY). Includes one <i>CPR-D</i> Demo Pad (with Velcro strips for attachment to manikin) and y-cable with intelligent CPR puck and connector for simulator.	\$125	\$100.00
8900-0809-01	Replacement <i>CPR-D</i> Demo Pads. Includes a pair of <i>CPR-D</i> replacement electrode pads with tabbed pull-away gel covers without the CPR puck assembly. Can be used to replace worn or frayed pads from complete <i>CPR-D</i> Demo Pad.	\$40	\$32.00
8008-0006-01	Real CPR Help Travel Trainer	\$399	\$319.20

**AED Pro®**

List Price State of RI

**AED Pro Defibrillators:**

*Option Fields*

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

9	0	1	1	0	2	0	0	4	9	9	9	9	1	0	1	0
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AED Pro® Semi-Auto/Manual.

\$3,795 \$2,770.35

Includes: Backlit LCD screen, soft carry case, rugged over-molded outer housing, multi-patient internal memory, IrDA port, operator guide, five year factory warranty, limited lifetime outer housing warranty.

*Other Options:*

9	0	1	1	0	6	0	0	4	9	9	9	9	1	0	1	0
9	0	1	1	0	4	0	0	4	9	9	9	9	1	0	1	0

AED Pro® Manual Only.

\$3,595 \$2,624.35

AED Pro® Semi-Auto Only.

\$3,595 \$2,624.35

**AED Pro Notes**

- Voice Recording can be added to AED Pro® by changing digit 8 with a "2". Add \$545.
- Batteries and Electrodes for all AED Pro® defibrillators are NOT included with device and MUST be ordered as separate line items. See AED Pro® accessories for part numbers and prices.

**AED Pro Lifetime Unconditional Outer Housing Warranty**

ZOLL Medical Corporation warrants solely to the purchaser of an AED Pro® defibrillator that if the AED Pro® injected molded enclosure is cracked or broken under normal operating conditions, that ZOLL will repair or replace the exterior upper or lower housing (at its sole option) so as to return the housing to its original factory condition. This warranty is provided for the life of the AED Pro® unit when the AED Pro® is used under normal conditions.

This warranty is the sole warranty made with respect to the AED Pro® upper and lower housing and is expressly in lieu of any other warranty either stated or implied, including any implied warranty of merchantability. ZOLL expressly disclaims all liability for any special or consequential damages. Breakage or damage to the screen, electronic or other portion of the AED Pro® defibrillator other than the injected molded enclosure is specifically excluded from this warranty.

**AED Pro ® Accessories**

List Price    State of RI

**Electrodes**

8900-0800-01	<b>CPR•D Padz</b> one piece defibrillation and CPR System Adult Electrode	\$169	\$135.20
8900-0801-01	<b>stat•padz II</b> Adult Multi-Function Electrodes (1 pair)	\$59	\$47.20
8900-0810-01	<b>Pedi•padz II</b> Pediatric Multi-Function Electrodes (1 pair)	\$95	\$76.00
8900-0003	ECG Electrodes. 3 ECG electrodes/pouch (200 pouches / 600 electrodes)	\$120	\$96.00

**Cables**

8000-0838	AED Pro ECG Cable AAMI	\$160	\$128.00
8000-0804-01	Defibrillation analyzer (universal) adapter cable	\$105	\$84.00
8000-000865	USB Clinical Event Download Cable	\$295	\$236.00

**Batteries**

8000-0860-01	AED Pro non-rechargeable lithium battery pack	\$160	\$128.00
8000-0299-01	1400/2000/1600/1700/M Series @/AED Pro Battery (not upgradeable to Smart Battery) formerly 8004-0009	\$140	\$112.00
8004-0104-01	Smart Ready Battery	\$160	\$128.00
8019-0535-01	SurePower™ Rechargeable Lithium Ion Battery Pack <ul style="list-style-type: none"> <li>▪ 5.8 Ah Capacity</li> <li>▪ High density lithium ion chemistry</li> <li>▪ RunTime™ Indicator</li> <li>▪ Automatic calibration ready</li> <li>▪ Stores history of use and maintenance</li> </ul>	\$475	\$380.00
8200-000100-01	SurePower Single Bay Charger	\$945	\$756.00

**Cases**

8000-0810-01	AED Pro Soft Carry Case	\$105	\$84.00
8000-0832-01	AED Pro Molded Vinyl Carry Case with Spare Battery Compartment	\$165	\$132.00
8000-0875-32	AED Pro Hard Case with Foam Cut-Outs	\$229	\$183.20
8000-0255-01	ZOLL AED Pro / Propaq LT Combo Carry Case	\$195	\$156.00

**Data**

8000-0608-01	RescueNet Code Review Standard software for Windows is designed for basic medical control. Included in the shipment are: installation CD and Getting Started Guide.	\$95	\$95.00
8000-0815	USB IrDA Adapter (not recommended for use on Windows 98)	\$105	\$84.00
8000-0816	RS232 IrDA Adapter (recommended for Windows 98)	\$105	\$84.00

**Simulator**

8000-0829-01	AED Pro Simulator	\$295	\$236.00
8009-0751-01	SeeThru CPR Simulator for E Series, R Series, and AED Pro.	\$495	\$396.00

**Other**

8008-0006-01	Real CPR Help Travel Trainer	\$399	\$319.20
8000-0843-01	ZOLL Administrative Software for AED Pro, CD-ROM	\$27	\$27.00
7771-000012-01	AED Pro 2010 Guidelines Upgrade Kit. Includes ZOLL Administrative Software (ZAS), AED Pro upgrade Instructions and a software update acknowledgement card.	\$10	\$10.00

**Manuals**

9650-0350-01	AED Pro Replacement Operator Guide	\$27	\$21.60
9650-0309-01	AED Pro Service Manual	\$55	\$44.00

## Plus Trac AED Program Management

Part Number	Description	List Price
8000-1110-01	PlusTrac Professional1 – One (1) year Professional AED Program solution including PlusTrac online management program for a single (1) AED, complete client implementation support, EMS registration and agency filings as well as legislative and regulatory support. An En-Pro account manager will work directly with you to ensure compliance and an effective program is established. Medical prescription included.	\$199
8000-1111-01	PlusTrac Professional5 – Five (5) year Professional AED Program solution including PlusTrac online management program for a single (1) AED, complete client implementation support, EMS registration and agency filings as well as legislative and regulatory support. An En-Pro account manager will work directly with you to ensure compliance and an effective program is established. Medical prescription included.	\$499

## **AED Plus Five-Year Limited Product Warranty**

ZOLL Medical Corporation (ZOLL) warrants to the Customer that from the date of installation, or thirty (30) days after the date of shipment from ZOLL's facility, whichever first occurs, the Equipment (constituting the Defibrillator) will be free from defects in material and workmanship under normal use and service for a period of five (5) years. The Factory Warranty covers all parts, labor, shipping and insurance costs for the repair of the Equipment. A Service Loaner is provided at no charge for use during the repair.

During such five-year period ZOLL will, at no charge to the Customer, either repair or replace (at ZOLL's sole option) any part of the Equipment found to be defective in material or workmanship. If ZOLL's inspection detects no defects in material or workmanship; ZOLL's regular service charges shall apply.

Accessories (constituting the PASS cover and electrodes) shall be warranted for ninety (90) days from date of shipment. During such period ZOLL will, at no charge to the Customer, either repair or replace (at ZOLL's sole option) any part of the accessories found by ZOLL to be defective in material or workmanship. If ZOLL's inspection detects no defects in material or workmanship; ZOLL's regular service charges shall apply.

ZOLL shall not be responsible for any Equipment defect, the failure of the Equipment to perform any specified function, or any other nonconformance of the Equipment caused by or attributable to: (i) any modification of the Equipment by the Customer, unless such modification is made with the prior written approval of ZOLL; (ii) the use of the Equipment with any associated or complementary Equipment, accessory or software not supplied by ZOLL; (iii) any misuse or abuse of the Equipment; (iv) exposure of the Equipment to conditions beyond the environmental, power or operating constraints specified by ZOLL; or (v) installation or wiring of the Equipment other than in accordance with ZOLL's instructions.

This warranty does not cover items subject to normal wear and burnout during use, including but not limited to lamps, fuses, batteries, patient cables and accessories. The foregoing warranty does not apply to software included as part of the Equipment (including software embodied in read-only memory, known as "firmware").

The foregoing warranty constitutes the exclusive remedy of the customer and the exclusive liability of ZOLL for any breach of any warranty related to the Equipment supplied hereunder.

**THE WARRANTY SET FORTH HEREIN IS EXCLUSIVE AND ZOLL EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES WHETHER WRITTEN, ORAL, IMPLIED, OR STATUTORY, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE.**

ZOLL's maximum liability arising out of the sale of the Products (Equipment and related accessories and disposables) or their use, whether based upon warranty, contract, tort or otherwise, shall not exceed the actual payments received by ZOLL in connection therewith. ZOLL shall not be liable for any incidental, special or consequential loss, damage or expense (including without limitation lost profits) directly or indirectly arising from the sale, inability to sell, use or loss of use of any Product (however caused and on any theory of liability), even if ZOLL has been

advised of the possibility of such loss. The foregoing limitations shall not apply to any claims for bodily injury or death to the extent that limitation of damages for such claims is unenforceable or against public policy under any applicable statute or rule of law.

# ZOLL®

## FREE Extended Warranty

### AED Plus® Device Registration



#### Register your AED Plus with ZOLL Medical Corporation, and receive the following benefits:

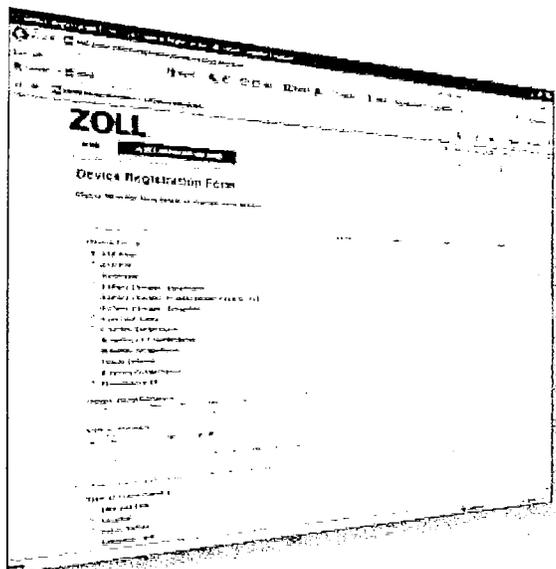
- The AED Plus' standard 5-year warranty will be extended an additional two years (once your device is registered).\*
- ZOLL Medical Corporation will be able to contact you in the event of a software update or in the unlikely event of a device recall.

#### Why register your AED Plus?

- The Food and Drug Administration requires manufacturers and end-users to maintain up-to-date records of current device locations.
- In the event of ownership transfer or changes, this will enable ZOLL to maintain end-user records for your device and be able to notify you promptly.
- Two additional years of warranty.\*

#### What does ZOLL do with the information that I provide?

All submitted information will be kept in a highly secure environment and will only be used to contact you in case of any device notices, such as upgrades or device corrective actions. This information will not be used for any marketing or sales activities whatsoever. All device owner information will be maintained by ZOLL Medical Corporation.



#### Please register your AED Plus with ZOLL Medical Corporation.

All submitted information will be kept in a highly secure environment and will only be used to contact you in case of any device notices, such as upgrades or recalls.

[www.zoll.com/registerAEDPlus](http://www.zoll.com/registerAEDPlus)

## **AED Pro Five-Year Limited Product Warranty**

ZOLL Medical Corporation (ZOLL) warrants to the Customer that from the date of shipment from ZOLL's facility, the Equipment (constituting the Defibrillator) will be free from defects in material and workmanship under normal use and service for the period of five (5) years from the date of shipment. The Factory Warranty covers all parts, labor, shipping and insurance costs for the repair of the Equipment. A Service Loaner is provided at no charge for use during the repair.

During such five-year period ZOLL will, at no charge to the Customer, either repair or replace (at ZOLL's sole option) any part of the Equipment found to be defective in material or workmanship. If ZOLL's inspection detects no defects in material or workmanship; ZOLL's regular service charges shall apply.

Accessories (constituting the carry case and electrodes) shall be warranted for 90 days from date of shipment. During such period ZOLL will, at no charge to the Customer, either repair or replace (at ZOLL's sole option) any part of the accessories found by ZOLL to be defective in material or workmanship. If ZOLL's inspection detects no defects in material or workmanship; ZOLL's regular service charges shall apply.

ZOLL shall not be responsible for any Equipment defect, the failure of the Equipment to perform any specified function, or any other nonconformance of the Equipment, caused by or attributable to: (i) any modification of the Equipment by the Customer, unless such modification is made with the prior written approval of ZOLL; (ii) the use of the Equipment with any associated or complementary Equipment, accessory or software not supplied by ZOLL (iii) any misuse or abuse of the Equipment; (iv) exposure of the Equipment to conditions beyond the environmental, power or operating constraints specified by ZOLL; or (v) installation or wiring of the Equipment other than in accordance with ZOLL's instructions.

This warranty does not cover items subject to normal wear and burnout during use, including but not limited to lamps, fuses, batteries, patient cables and accessories. The foregoing warranty does not apply to software included as part of the Equipment (including software embodied in read-only memory, known as "firmware").

The foregoing warranty constitutes the exclusive remedy of the customer and the exclusive liability of ZOLL for any breach of any warranty related to the Equipment supplied hereunder.

THE WARRANTY SET FORTH HEREIN IS EXCLUSIVE AND ZOLL EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES WHETHER WRITTEN, ORAL, IMPLIED, OR STATUTORY, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OR MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE.

ZOLL's maximum liability arising out of the sale of the Products (Equipment and related accessories and disposables) or their use, whether based upon warranty, contract, tort or otherwise, shall not exceed the actual payments received by ZOLL in connection therewith. ZOLL shall not be liable for any incidental, special or consequential loss, damage or expense (including without limitation lost profits) directly or indirectly arising from the sale, inability to sell, use or loss of use of any Product (however caused and on any theory of liability), even if ZOLL has been advised of the possibility of such loss. The foregoing limitations shall not apply to any claims for bodily injury or death to the extent that limitation of damages for such claims is unenforceable or against public policy under any applicable statute or rule of law.

# Technical Support and Service

**ZOLL Medical Corporation** provides technical assistance through our Technical Support Department. Should the ZOLL equipment require service, contact the Technical Support Department directly.

## Hours of Coverage

Technical Support is available through our Technical Support Help Desk by calling **1- 800-348-9011**, Monday through Friday from **8:30 AM to 6:00 PM EST**.

The Technical Support Representative will require the following pertinent information to open a Service Request:

- Unit Serial Number
- Description of the complaint
- Department where the equipment is being used
- Patient information if applicable
- ECG strips if available
- Purchase Order number if the device is out of warranty

This information will assist us in performing a full evaluation when the product is received at our Depot. You will be given an RMA number to track the return of your product.

## Emergency Service

Technical Support is available on an emergency basis 7 days a week during the hours not covered during a normal business day. Emergency Support is available by calling **1-800-348-9011**.

## Service Loaners

A Service Loaner is available at no charge during the repair analysis process and is shipped to arrive before 10 AM the next business day. ZOLL pays for the shipping and insurance of the Service Loaner.

## Repairs

Repair service is provided via Depot Repair at ZOLL Corporate in Chelmsford, MA.

Service is performed by factory trained Service Repair Technicians. Each unit is certified by successfully completing the 6 Month Checkout Procedure as detailed in the appropriate Service Manual, applying a Calibration sticker, and returning the product with a Warranty Repair Form indicating the work performed. As an ISO 9000 certified facility, we retain training records on each employee and are committed to providing the highest level of quality in the servicing of all ZOLL products.

## Rental Equipment

Rental Equipment is available for rental purposes on a monthly basis at a cost of \$450 per month plus initial shipping of the loaner to the customer site. This can be purchased through our Technical Support Department.

### **Non Warranty Return for Service**

If a device is out of warranty and is returned to ZOLL for service, the Service Depot will evaluate the device to determine if a repair is needed. ZOLL will perform a comprehensive evaluation which could take several hours to complete. If ZOLL's evaluation does not warrant the device to be repaired, a minimum service charge plus shipping costs shall apply.

If the evaluation warrants the device to be repaired, the total cost of the repair will include parts, labor and shipping. If you choose to decline the repair, the minimum service charge plus shipping will apply.

### **Hourly Labor Rates**

Our current Depot Repair Rate is \$150 per hour. This rate is subject to change October 1<sup>st</sup> of each year.

### **Overtime Hours and Rates**

There is no additional cost for overtime on Depot repaired items.

### **On-site Service**

Repairs are performed in our Repair Depot at ZOLL Corporate in Chelmsford, MA.

### **Guaranteed Parts Availability**

ZOLL guarantees parts for seven (7) years from the last date of manufacture.

### **Guaranteed Service Turnaround Time**

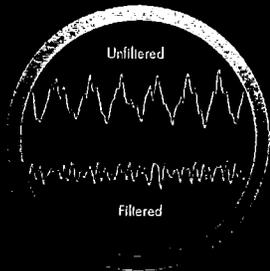
As an ISO 9000 certified facility we are constantly trying to improve our turnaround time while maintaining a high quality of repair. You can expect a less than 10 business day turnaround on repairs. A Service Loaner is available at no charge while the product is being repaired.

### **Guaranteed Equipment Uptime**

You can expect 99% uptime based on typical use and the arrival of a Free Service Loaner by 10 AM the next business day.

## RescueNet® Link

Sense'n Sync™ technology automatically uploads data from the E Series® monitor/defibrillator, RescueNet ePCR, CommCAD and Navigator vehicle mapping in real time to a large screen.

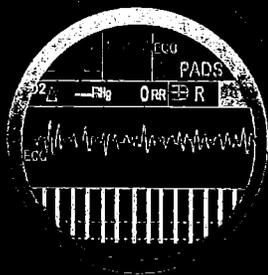


## See-Thru CPR®

Artifact filtering shows underlying rhythm without stopping compressions – minimizes pausing.

## Real CPR Help®

The original real-time rate and depth feedback – improves compression quality.

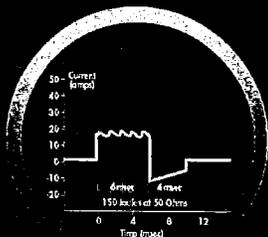


## AutoPulse®

Load-distributing band (LDB) delivers clinically proven compressions and does not have to be paused during patient movement. Also safer for rescuers in a moving vehicle.

## Rectilinear Biphasic™

High current/low energy waveform: the only defibrillation waveform allowed by the FDA to claim superiority over monophasic.



## Section – V.

# Literature/Product Information

**AED Plus®**

**ZOLL®**



*The Best Support*  
**For Rescuers**

# CPR Required

The latest American Heart Association (AHA) Guidelines issued in 2010, are clear: successful defibrillation requires high-quality CPR performed at the proper depth and rate. When it's time for CPR, the AED Plus® with Real CPR Help® provides the best support to help save a life.

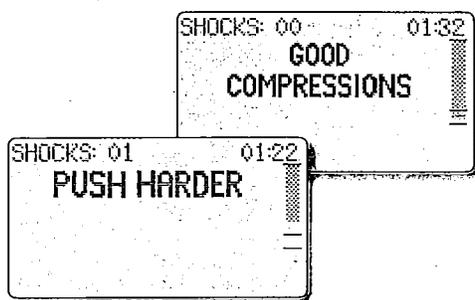


*The CPR hand-placement landmark contains a sensor that detects and measures chest compressions.*

Whether a shock is advised or not, the 2010 Guidelines say that rescuers should focus on delivering high-quality CPR.<sup>1</sup> If no shock is advised, only high-quality CPR can potentially save a victim. That's because only good CPR can restore the heart rhythm to one required for a shock to work.

Even when an AED says "Shock Advised," high-quality CPR should begin immediately after shock delivery. Once shocked, the heart struggles for blood as it tries to reorganize and restore its natural beat. By moving blood through the heart, and back into the heart

muscles themselves, CPR provides critical help to the struggling heart. Without this help, a shock alone may prove ineffective, and the victim may not be resuscitated.



Audio prompts match the displayed text.

## Knowledge Is Power

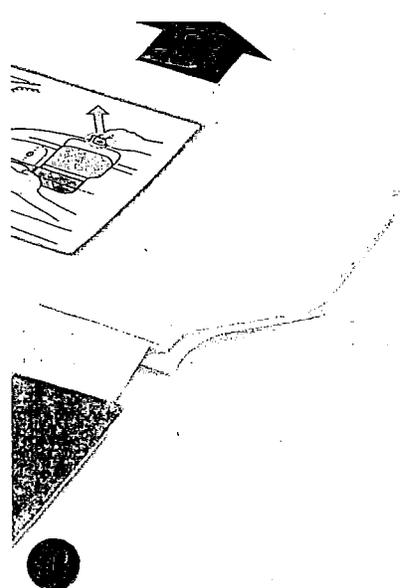
The AHA's 2010 Guidelines recommend that rescuers push hard to a depth of at least 2 inches (or 5 cm) at a rate of at least 100 compressions per minute. But how do you know you're reaching that depth and rate? You shouldn't have to guess—you should know. Only an AED that offers real-time CPR feedback provides the best support for saving a life.

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*"Rescuers should focus on delivering high-quality CPR: providing chest compressions ...of at least 2 inches."*

*- 2010 AHA Guidelines, p. S678*

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## An AED that Helps You Perform High-Quality CPR

Only ZOLL's AED Plus is equipped with Real CPR Help technology. The sensor in the pads lets the AED see each chest compression and lets you know how you're doing. It guides you, with prompts and a real-time bar gauge, to the recommended depth and rate of compressions.

## The Only Fully Compliant AED

The AED Plus fully complies with the AHA's 2010 Guidelines because it is the only AED with a Food and Drug Administration (FDA)-approved therapy that lets you know when compressions are at least two inches deep. ZOLL updated its Real CPR Help technology to comply with the new Guidelines for compression depth during CPR, reflecting the increase from 1½ to 2 inches to at least 2 inches. This modification constituted a change in therapy that necessitated FDA approval. No other AED on the market required this type of update or approval.

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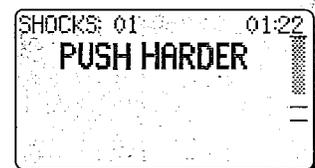
*"CPR can double or triple survival from witnessed cardiac arrest."*

*- 2010 AHA Guidelines, p. S706*

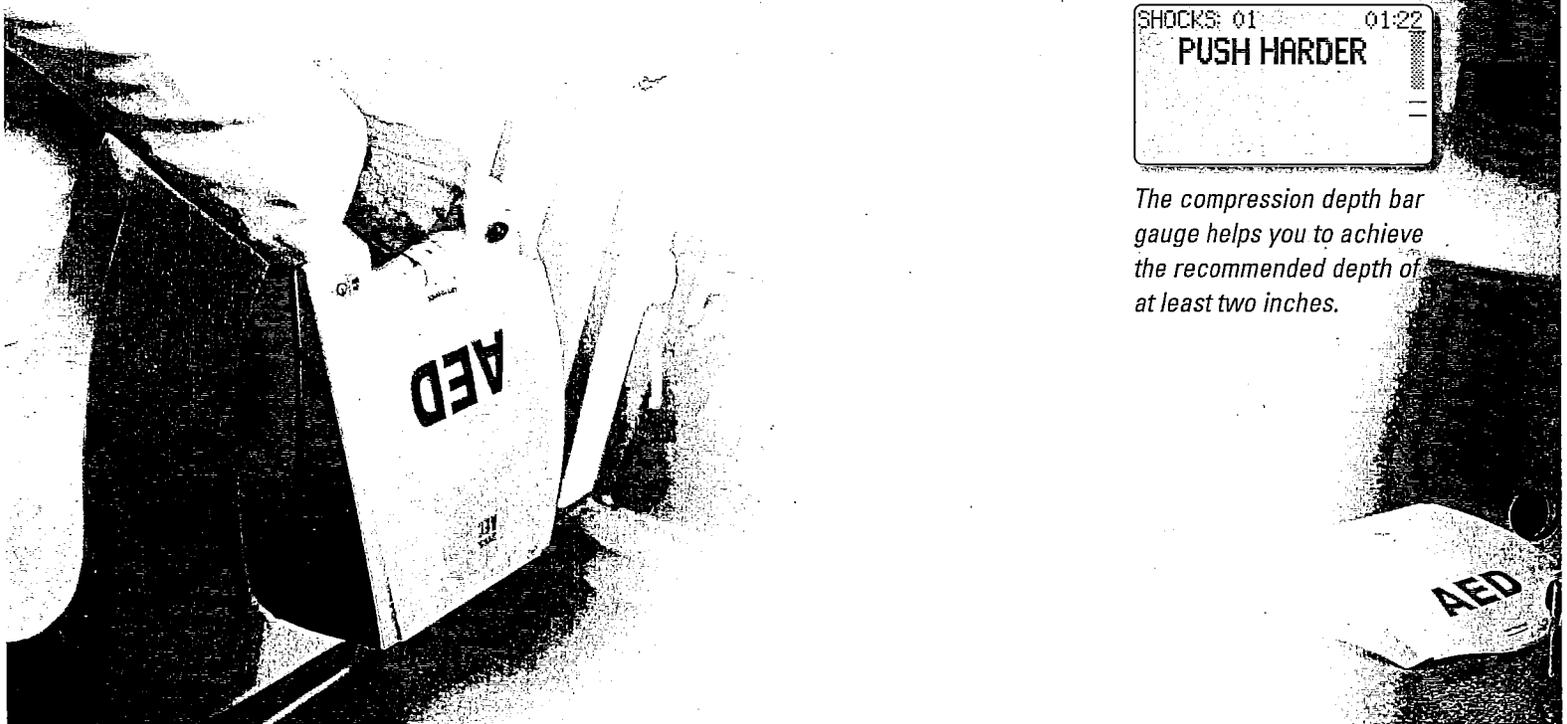
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## How It Works

- The CPR-D-padz® electrode senses and reports the motion of the chest compressions to the AED Plus.
- Audio and text prompts relay compression quality.
- The compression depth bar gauge lets you see the depth of each compression in real time.
- The adaptive metronome detects compression rate and guides you to at least 100 per minute.



*The compression depth bar gauge helps you to achieve the recommended depth of at least two inches.*



## What It Means to See

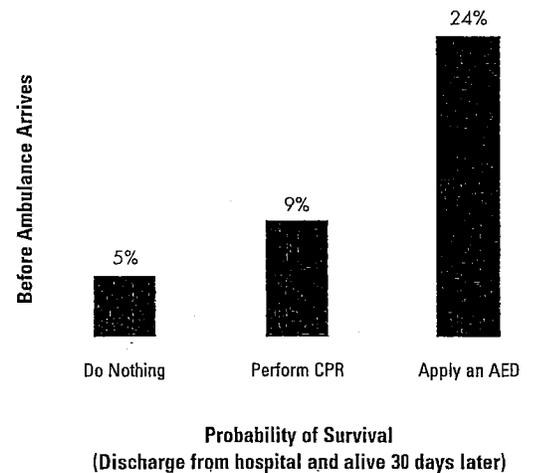
Because the AED Plus can "see" your compressions, you can see, hear, and read how well you are performing CPR.

RESCUER ACTIONS	AED PLUS SUPPORT
Not yet started?	"START CPR"
Stopped?	"CONTINUE CPR"
Too slow?	Adaptive metronome speeds you up
Not deep enough?	"PUSH HARDER"
Performing good CPR?	"GOOD COMPRESSIONS"
Want to see how you're doing?	Visible bar gauge indicates depth of compressions

# THE CASE FOR AEDs

## Survival Increases with Early Intervention

Research shows that the probability of survival goes up dramatically when CPR is performed, and when an AED is applied before an ambulance arrives.\*



## Where is the AED?

Too often, the answer is, "We don't have one." Sadly, the same research that demonstrated a nearly fivefold increase in survivability (from 5% to 24%) when an AED is used, also showed that an AED is available only 2% of the time.

\*Peberdy MA, et al. *Resuscitation*. 2009;80(10):1169-74.



## Real CPR Help Really Works

In the largest hospital caregiver study, research proved conclusively that Real CPR Help significantly increases the quality of chest compressions.<sup>2</sup>

Hospital caregivers had their chest compressions measured first without any help and then again with Real CPR Help from an AED Plus. Of all compressions delivered without any help, only 15 percent reached the proper depth and rate.

However, when these same caregivers were tested with Real CPR help, 78 percent of their compressions were in target—a fivefold increase in CPR quality.

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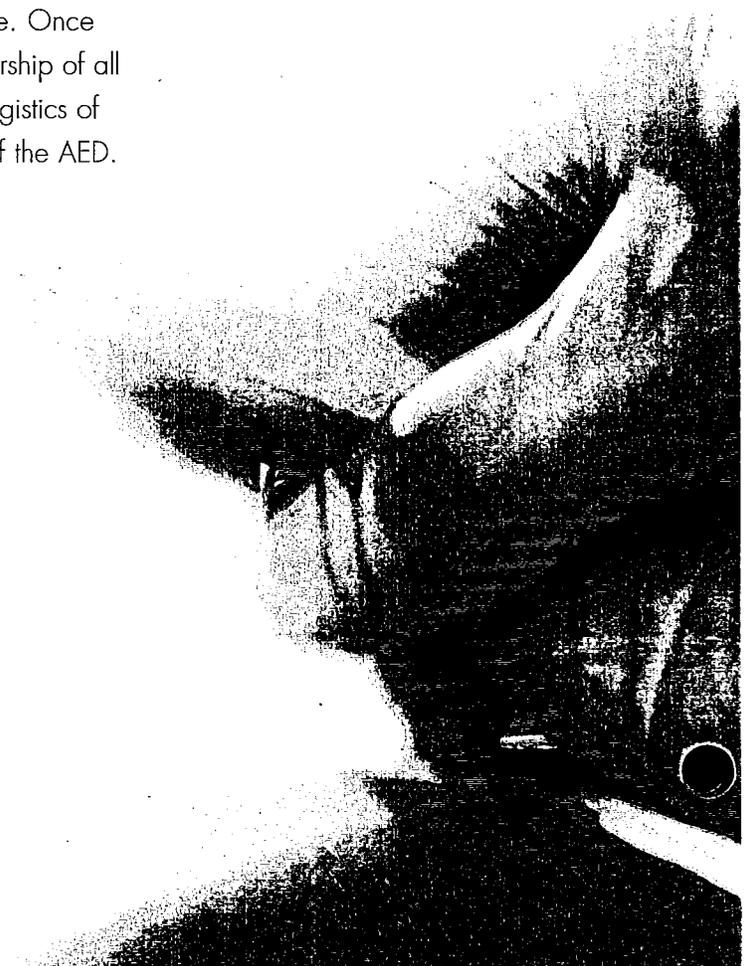
*"Several studies have demonstrated improvement in chest compression rate [and] depth...when real-time feedback or prompt devices are used to guide CPR performance."*

*"...real-time CPR prompting and feedback technology such as visual and auditory prompting devices can improve the quality of CPR (Class IIa, LOE B)." - 2010 AHA Guidelines, p. S697*

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## The Benefits of Ownership

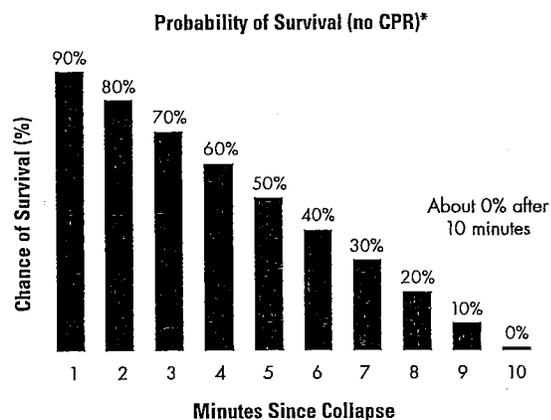
The AED Plus can help your organization's bottom line. Once installed, the AED Plus has the lowest total cost of ownership of all AEDs on the market, especially when considering the logistics of tracking and changing pads and batteries over the life of the AED. Thanks to the long shelf life of the consumables, when you compare the cost of maintenance over 10 years, this AED is the most cost-effective unit to own. The AED Plus is powered by lithium batteries (available from retail outlets) that last five years, and the CPR-D-padz last five years as well.



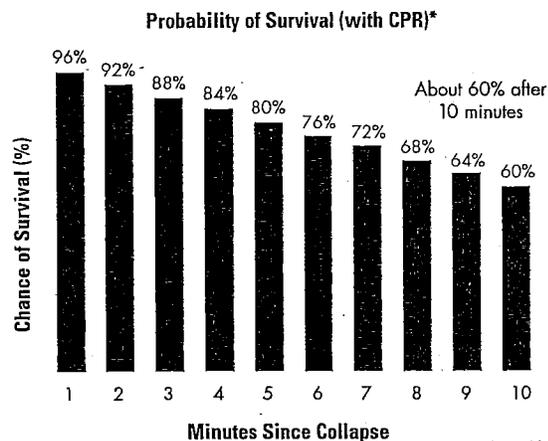
# THE CASE FOR CPR

## Quality Buys Time

The AHA's 2010 Guidelines note that if bystanders do nothing for a collapsed victim, the chance of survival drops about 10% every minute.



But if bystanders can immediately begin CPR and keep it up, then the chance of survival only drops 3% to 4% per minute. At that rate, approximately 10 minutes after collapse, the chance of survival remains at least 60%.



\*Source: 2010 AHA Guidelines for CPR and ECC. Circulation. 2010;122:S706.

## The Best Support

No other AED supports a rescuer as thoroughly as the AED Plus because it includes the following:

- A one-piece CPR-D-padz electrode for quick, easy application. Pull-tabs expose the conductive gel on each pad only when it is in direct contact with the skin, limiting the chance of gel contamination.
- A rescue accessory package attached to every CPR-D-padz that contains items critical to a successful rescue.
- A lid that acts as a "passive airway support" to maintain the victim's open airway.
- A back-lit display screen that provides simultaneous text with every audio prompt, and a circle of lighted graphical icons that show what to do.
- A display screen that presents the elapsed time and number of shocks delivered, critical information needed by EMS personnel when they arrive.
- Real CPR Help. No other AED can see the rescuers chest compressions and guide them to the required depth and rate. Other AEDs make you guess when your compressions are deep enough. Only the AED Plus lets you know.

*The rescue accessory pack comes with all the additional tools you may require during a rescue, from scissors to non-latex gloves.*



### References:

<sup>1</sup> 2010 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science. *Circulation*. 2010;122:S678.

<sup>2</sup> Weisfeldt ML, et al. *J Am Coll Cardiol*. 2010;55(16):1713-20.

ZOLL Medical Corporation, an Asahi Kasei Group company, develops and markets medical devices and software solutions that help advance emergency care and save lives, while increasing clinical and operational efficiencies. With products for defibrillation and monitoring, circulation and CPR feedback, data management, fluid resuscitation, and therapeutic temperature management, ZOLL provides a comprehensive set of technologies that help clinicians, EMS and fire professionals, and lay rescuers treat victims needing resuscitation and critical care. For more information, visit [www.zoll.com](http://www.zoll.com).

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TODAY.®**

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978-421-9655  
800-348-9011

For subsidiary addresses and fax numbers, as well as other global locations, please go to [www.zoll.com/contacts](http://www.zoll.com/contacts).

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**ZOLL**®

# AED Plus®

## Technical Specifications



### Measuring Chest Compression with Real CPR Help

The force required to depress the chest during CPR varies with the patient's size and build. The standard measure of chest compression quality, however, is not force but depth. The Real CPR Help® technology in ZOLL's CPR-D-padz® includes a hand-placement locator, an accelerometer, electronics, and a processing algorithm that work together to measure vertical displacement in space as each compression occurs.

### One Size Fits All

ZOLL's one-piece electrode design accounts for anatomical variation. Based on extensive human data, CPR-D-padz meet the anthropometric chest characteristics of 99% of the population. If needed, the lower (apex) electrode can be separated and adjusted to accommodate the remaining 1% of the population.

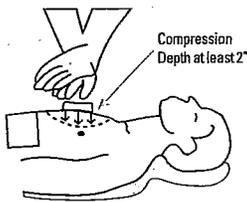
### Simplified Placement

Affixing two separate electrode pads to the patient's bare chest can be confusing to a lay rescuer. ZOLL's CPR-D-padz simplify this step by guiding placement of the red crosshairs at the center of the imaginary line connecting the patient's nipples. Once in place, the hand-locator and the two electrode pads fall naturally into optimal position for both defibrillation and CPR.

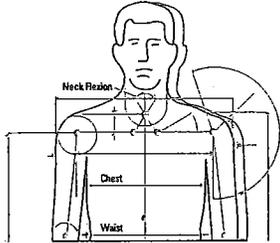
### Five-Year Shelf Life

All AED electrodes transmit defibrillating electricity into the patient via metal in close contact with a salt-infused gel that is positioned between the metal and the skin. Over time, however, the salt in the gel will corrode the metal and eventually compromise electrode functionality. ZOLL's novel electrode design includes a sacrificial element that prevents significant corrosion for five years, which is unmatched in the market today.

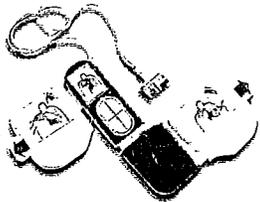
# ZOLL®



Real CPR Help® provides unique assistance to rescuers with real-time feedback on CPR compression depth and rate.



ZOLL's one-piece CPR-D-padz is designed to fit 99% of the population's chest anatomy.



CPR-D-padz offers clear anatomical placement illustrations and a CPR hand positioning landmark.



CPR-D-padz comes complete with rescue essentials, including a barrier mask, a razor, scissors, disposable gloves, and a towelette.

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## AED Plus Specifications

### Defibrillator

**Waveform:** Rectilinear Biphasic

**Defibrillator Charge Hold Time:** 30 seconds

**Energy Selection:** Automatic preprogrammed selection (120J, 150J, 200J)

**Patient Safety:** All patient connections are electrically isolated

**Charge Time:** Less than 10 seconds with new batteries

**Electrodes:** ZOLL CPR-D-padz, pedi-padz® II or stat-padz® II

**Self-test:** Configurable automatic self-test from 1 to 7 days. Default = every 7 days. Monthly full-energy test (200J).

**Automatic Self-Test Checks:** Battery capacity, electrode connection, electrocardiogram and charge/discharge circuits, microprocessor hardware and software, CPR circuitry and CPR-D sensor, and audio circuitry

**CPR: Metronome Rate:** Variable 60 to 100 CPM

**Depth:** 3/4" to 3.5"; 1.9 to 8.9 cm

**Defibrillation Advisory:** Evaluates electrode connection and patient ECG to determine if defibrillation is required

**Shockable Rhythms:** Ventricular fibrillation with average amplitude >100 microvolts and wide complex ventricular tachycardia with rates greater than 150 BPM for adults, 200 BPM for pediatrics. For ECG Analysis Algorithm sensitivity and specificity, refer to AED Plus Administrator's Guide.

**Patient Impedance Measurement Range:** 0 to 300 ohms

**Defibrillator:** Protected ECG circuitry

**Display Format:** Optional LCD with moving bar

**Size:** 2.6" x 1.3"; 6.6 cm x 3.3 cm

**Optional ECG Viewing Window:** 2.6 seconds

**Optional ECG Display Sweep Speed:** 25 mm/sec; 1"/sec

**Battery Capacity:** Typical new (20°C) = 5 years (225 shocks) or 13 hours continuous monitoring. End of life designated by Red X (typical remaining shocks = 9).

**Data Recording and Storage:** 50 minutes of ECG and CPR data. If audio recording option is installed and enabled, 20 minutes of audio recording, ECG, and CPR data. If audio recording is disabled, 7 hours of ECG and CPR data.

**PC Minimum Requirements For Configuration and Patient Data Recovery:** Windows® 98, Windows® 2000, Windows® NT, Windows® XP, Windows® 7, IBM-compatible PII with 16550 UART (or higher) computer. 64MB RAM. VGA monitor or better. CD-ROM drive. IrDA port. 2MB disk space.

### Device

**Size:** (H x W x D) 5.25" x 9.50" x 11.50"; 13.3 cm x 24.1 cm x 29.2 cm

**Weight:** 6.7 lbs; 3.1 kg

**Power:** User-Replaceable Batteries. 10 Type 123A Photo Flash lithium manganese dioxide batteries

**Device Classification:** Class II and internally powered per EN60601-1

**Design Standards:** Meets applicable requirements of UL 2601, AAMI DF-39, IEC 601-2-4, EN60601-1, IEC60601-1-2

### Environmental

**Operating Temperature:** 32° to 122°F; 0° to 50°C

**Storage Temperature:** -22° to 140°F; -30° to 60°C

**Humidity:** 10 to 95% relative humidity, non-condensing

**Vibration:** MIL Std. 810F, Min. Helicopter Test

**Shock:** IEC 68-2-27; 100G

**Altitude:** -300 to 15,000 ft.; -91 m to 4573 m

**Particle and Water Ingress:** IP-55

### CPR-D-padz

**Shelf Life:** 5 years

**Conductive Gel:** Polymer Hydrogel

**Conductive Element:** Tin

**Packaging:** Multilayer foil laminate pouch

**Impedance Class:** Low

**Cable Length:** 48 in (1.2 m)

**Sternum:** Length: 6.1 in (15.5 cm); Width: 5.0 in (12.7 cm); Length, conductive gel: 3.5 in (8.9 cm); Width, conductive gel: 3.5 in (8.9 cm); Area, conductive gel: 12.3 sq in (79.0 sq cm)

**Apex:** Length: 6.1 in (15.5 cm); Width: 5.6 in (14.1 cm); Length, conductive gel: 3.5 in (8.9 cm); Width, conductive gel: 3.5 in (8.9 cm); Area, conductive gel: 12.3 sq in (79.0 sq cm)

**Complete Assembly:** Folded Length: 7.6 in (19.4 cm); Folded width: 7.0 in (17.8 cm); Folded height: 1.5 in (3.8 cm)

**Design Standards:** Meets applicable requirements of ANSI/AAMI/ISO DF-39-1993



Specifications subject to change without notice.

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**ZOLL**®

# AED Pro®



## A Flexible AED with Advanced Features

### High-Quality CPR and Minimal Pausing, Every Time

Real CPR Help® provides you with real-time feedback on both the rate and depth of chest compressions to enhance CPR resuscitation quality. A bar graph, along with a metronome, guides you to achieve optimal compression levels. See-Thru CPR® filters CPR artifact to display a patient's underlying ECG rhythm to reduce interruptions in compressions, allowing the professional rescuer to see underlying organized rhythms during resuscitation.

### Advanced Capabilities for Professional Rescuers

Three-lead patient monitoring and manual override offer more flexibility in monitoring, analyzing, and delivering treatment.

### The Real Difference in Defibrillation

When a shock is needed, ZOLL's Rectilinear Biphasic™ waveform (RBW) provides more current, more defibrillation efficacy, and less risk. RBW was designed specifically for external defibrillation to control for variations in patient impedance.

### Reliable and Durable, Anywhere

- Exclusive IP55 dust-water ingress rating
- Passes the 1.5 meter drop test

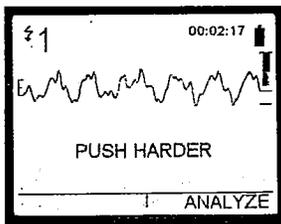
### Compatibility for Time and Cost Savings

- Complete electrode compatibility with ZOLL's AED Plus® and line of professional defibrillators
- Battery compatibility with ZOLL's E Series®, M Series®, and R Series® professional defibrillators

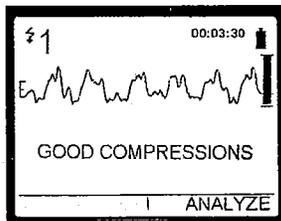
# ZOLL®

## High-Quality, Uninterrupted CPR

Real-Time CPR Feedback  
Supports Optimal Compressions



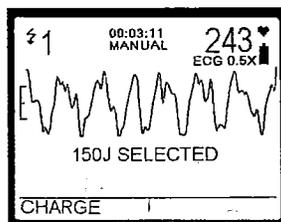
Real CPR Help's real-time rate and depth feedback improves compression quality.



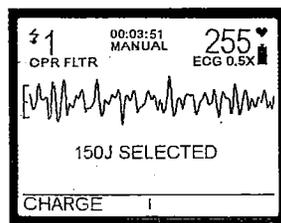
"Good Compressions" message reinforces consistent, high-quality CPR compressions.

## Artifact Filtering Displays Underlying Rhythm

Without See-Thru CPR



With See-Thru CPR



See-Thru CPR filters out compression artifact, reducing the need to stop compressions to see a patient's underlying organized rhythms.

**ADVANCING  
RESUSCITATION.  
TODAY.®**

ZOLL Medical Corporation  
Worldwide Headquarters  
269 Mill Road  
Chelmsford, MA 01824  
978-421-9655  
800-348-9011

For subsidiary addresses and fax numbers, as well as other global locations, please go to [www.zoll.com/contacts](http://www.zoll.com/contacts).

## AED Pro Specifications

### ECG Monitoring

*Patient Connection:* 3-lead ECG cable.

*Input Selection:* Fully defibrillator protected.

*ECG Size:* Automatic Gain Control (AGC) gain.

*Heart Rate:* 30-300 bpm  $\pm 5\%$ .

### Display

*Screen Type:* High-resolution LCD display.

*Screen Size:* 3.02 inches W x 2.27 inches H.

*Sweep Speed:* 25 mm/sec.

*Viewing Time:* 3 seconds.

*Displayed Information:* Heart rate, ECG waveform, text prompts, CPR bar graph, battery gauge, elapsed time, number of shocks delivered.

### Event Documentation

*Type:* Internal non-volatile memory.

*Memory Capacity:* With audio recording enabled, 20 minutes of ECG, operator and device actions; without audio recording, 1.45 hours each for 4 patient records or up to 5.8 hours for a single record of ECG and event data. Expanded external data storage and transfer available with USB memory stick (not included).

*Event Review & Reporting:* RescueNet® Code Review software version 3.30 or higher.

*Communications:* IrDA infrared wireless for communication with personal computer or external USB memory stick transfer.

### Defibrillator

*Waveform:* ZOLL Rectilinear Biphasic™ waveform.

*Energy:* 50, 70, 85 joules (pediatric); 120, 150, 200 joules (adult) preconfigured.

*Charge Time:* Less than 10 seconds with a new fully charged battery. Depleted batteries will result in a longer defibrillator charge time.

*Energy Display:* Monitor display indicates selected energy in manual mode only.

*AED Function:* Auto analyze and charge x3 with programmable auto energy level selection, screen prompts, and voice prompts.

*Electrodes:* One-piece CPR-D-padz®, CPR stat-padz®, stat-padz® II, and Pediatric pedi-padz® II. CPR-D-padz one-piece electrode and CPR stat-padz two-piece electrodes provide Real CPR Help for rate and depth of CPR chest compressions.

*Manual:* Energy selection user configurable, 120, 150, 200 joules (adult); 50, 70, 85 joules (pediatric).

*Semi-Automatic:* Evaluates electrode connection and patient ECG to determine if defibrillation is required.

*Shockable Rhythms:* Ventricular fibrillation with amplitude >100  $\mu$ V and wide complex ventricular tachycardia with rates greater than 150 bpm (adult) and greater than 200 bpm (pediatric).

*Defibrillation Pads Impedance Measurement Range:* 10-300 ohms.

*Prompts:* Audible voice prompts and text messages guide user through complete sequence of operation. Text prompts are always displayed. With ZOLL Administration Software (ZAS), user can configure voice prompts on/off.

*Controls:* ON/OFF, Shock, Softkeys.

### Configurability

*ZOLL Administration Software (ZAS):* Allows user to manually adjust the configuration of the AED Pro to desired medical protocol or direction.

*Analyze OPTIONS:* User can configure the ability to analyze a patient during the CPR period by depressing a softkey.

*CPR Duration:* User can configure CPR duration from 30 seconds to indefinite, depending on protocol.

User also has the ability to configure the AED Pro to "start with CPR", which, when turned on, will prompt the rescuer to perform CPR prior to analyzing the patient.

*Voice Prompts:* User can adjust wording (limited options) and/or turn on/off particular voice prompts. Note: Text prompts are always displayed.

*Shock Energy:* Adjust shock energy level for semi-auto mode, for both adult and pediatric modes.

### General

*Size:* 3 in (7.6 cm) x 9.2 in (23.5 cm) x 9.4 in (23.9 cm) deep.

*Weight:* < 6.5 lbs (2.9 kg) with disposable battery and electrodes.

*Design Standards:* Meets or exceeds AAMI DF-80, EN 60601-1, EN 60601-1-2.

*Patient Safety:* All patient connections are electrically isolated.

### Environmental

*Operating Temperature:* 0° C to 50° C.

*Storage and Shipping Temperature:* -30° C to 70° C.

*Humidity:* 10% to 95% relative humidity, non-condensing.

*Vibration:* MIL Std. 810F, Minimum Helicopter Test.

*Shock:* IEC 68-2-27; 100G.

*Drop Test:* 1.5m per IEC 68-2-32.

*Material/Water Ingress:* IEC 60529, IP55.

*Electromagnetic Compatibility (EMC):* CISPR; 11 Class B Rated and Conducted Emissions.

*Electromagnetic Immunity:* AAMI DF-80; IEC 60601.

*Electrostatic Discharge:* IEC 61000-4-2.

*Conducted Susceptibility:* IEC 61000-4-6.

*Options:* Vinyl foam-molded carry case for added protection; external IrDA port; wall sign.

See AED Pro operator's manuals for more detailed specifications



Specifications subject to change without notice.

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# ZOLL

**Contract Terms and Conditions**

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**Terms and Conditions****PURCHASE ORDER STANDARD TERMS AND CONDITIONS****TERMS AND CONDITIONS FOR THIS PURCHASE ORDER****QUARTERLY REPORTS**

REPORTS - The Vendor agrees to provide the State with quarterly reports describing activity against this Price Agreement. If this is a Master Price Agreement, such reports shall include usage by municipalities, quasi-public agencies, schools, etc. All reports shall contain the following data: (1) Billing volume in dollars and (2) quantity shipped for each line item in the price agreement. When there are no line items in the price agreement, vendor shall report volume by catalog order numbers, with a brief description of each order number. Reports must be submitted to the RI Division of Purchases to the attention BUYER named in this notice, identifying the Agreement number and the Reporting Period. Quarterly reports shall be due 45 calendar days after the end of each quarter. Failure to submit required reports shall be considered a breach of the contractor's obligations and may be considered, at the discretion of the State Purchasing Agent, sufficient cause for the termination of the agreement and other outstanding agreements and orders, and possible suspension from participation in additional State procurements.

**MPA BID AWARD (STATEWIDE APPLICABILITY)**

STATEWIDE APPLICABILITY - Political Subdivisions (cities, towns, schools, quasi-public agencies), as authorized by law, may participate in this Agreement. All ordering and billing shall be between the vendor and the political subdivision (only).

**DELIVERY PER AGENCY**

DELIVERY OF GOODS OR SERVICES AS REQUESTED BY AGENCY.

**MULTI YEAR AWARD**

THIS IS A MULTI-YEAR BID/CONTRACT. PER RHODE ISLAND STATE LAW 37-2-33, CONTRACT OBLIGATIONS BEYOND THE CURRENT FISCAL YEAR ARE SUBJECT TO AVAILABILITY OF FUNDS. CONTINUATION OF THE CONTRACT BEYOND THE INITIAL FISCAL YEAR WILL BE AT THE DISCRETION OF THE STATE. TERMINATION MAY BE EFFECTED BY THE STATE BASED UPON DETERMINING FACTORS SUCH AS UNSATISFACTORY PERFORMANCE OR THE DETERMINATION BY THE STATE TO DISCONTINUE THE GOODS/SERVICES, OR TO REVISE THE SCOPE AND NEED FOR THE TYPE OF GOODS/SERVICES; ALSO MANAGEMENT OWNER DETERMINATIONS THAT MAY PRECLUDE THE NEED FOR GOODS/SERVICES.

**PURCHASE AGREEMENT AWARD**

THIS IS A NOTICE OF AWARD, NOT AN ORDER. Any quantity reference in the agreement or in the bid preceding it are estimates only and do not represent a commitment on the part of the state to any level of billing activity, other than for quantities or volumes specifically released during the term. No action is to be taken except as specifically authorized, as described herein under AUTHORIZATION AND RELEASE. ENTIRE AGREEMENT - This NOTICE OF AWARD, with all attachments, and any release(s) against it shall be subject to: (1) the specifications, terms and conditions set forth in the Request/Bid Number cited herein, (2) the General Terms and Conditions of Contracts for the State of Rhode Island and (3) all provisions of, and the Rules and Regulations promulgated pursuant to, Title 37, Chapter 2 of the General Laws of the State of Rhode Island. This NOTICE shall constitute the entire agreement between the State of

Rhode Island and the Vendor. No assignment of rights or responsibility will be permitted except with the express written permission of the State Purchasing Agent or his designee. CANCELLATION, TERMINATION and EXTENSION - This Price Agreement shall automatically terminate as of the date(s) described under CONTRACT PERIOD unless this Price Agreement is altered by formal amendment by the State Purchasing Agent or his designee upon mutual agreement between the State and the Vendor.

#### **AUTHORIZATION AND RELEASE**

In no event shall the Vendor deliver goods or provide service until such time as a duly authorized release document is certified by the ordering Agency. A Direct Purchase Order (DPO) shall be created by the agency listing the items ordered, using the pricing and format set forth in the Master Blanket. All pricing shall be as described in the Master Blanket and is considered to be fixed and firm for the term of the Agreement, unless specifically noted to the contrary herein. All prices include prepaid freight. Freight, taxes, surcharges, or other additional charges will not be honored unless reflected in Master Blanket.

#### **CAMPAIGN FINANCE COMPLIANCE**

**CAMPAIGN FINANCE:** In accordance with RI General Law 17-27-2, Every person or business entity providing goods or services of \$5,000 or more, and has in the preceding 24 months, contributed an aggregate amount in excess of \$250 within a calendar year to any general officer, or candidate for general office, any member, or candidate for general assembly, or political party, is required to electronically file an affidavit regarding political contributions at:

<https://secure.ricampaignfinance.com/RhodeIslandCF/Public/VendorAffidavit.aspx>

#### **ARRA SUPPLEMENTAL TERMS AND CONDITIONS**

For contracts and sub-awards funded in whole or in part by the American Recovery and Reinvestment Act of 2009, Pub.L.No. 111-5 and any amendments thereto, such contracts and sub-awards shall be subject to the Supplemental Terms and Conditions For Contracts and Sub-awards Funded in Whole or in Part by the American Recovery and Reinvestment Act of 2009, Pub.L.No. 111-5 and any amendments thereto located on the Division of Purchases website at [www.purchasing.ri.gov](http://www.purchasing.ri.gov).

#### **DIVESTITURE OF INVESTMENTS IN IRAN REQUIREMENT:**

No vendor engaged in investment activities in Iran as described in R.I. Gen. Laws §37-2.5-2(b) may submit a bid proposal to, or renew a contract with, the Division of Purchases. Each vendor submitting a bid proposal or entering into a renewal of a contract is required to certify that the vendor does not appear on the list maintained by the General Treasurer pursuant to R.I. Gen. Laws §37-2.5-3.

#### **TERMS AND CONDITIONS OF PRICING AGREEMENT**

**SCOPE AND LIMITATIONS - This Agreement covers requirements as described herein, ordered by State agencies during the Agreement Period. No additional or alternative requirements are covered, unless added to the Agreement by formal amendment by the State Purchasing Agent or his designee.**

Under State Purchasing Law, 37-2-54, no purchase or contract shall be binding on the state or any agency thereof unless approved by the department [of administration] or made under general regulations which the chief purchasing officer may prescribe. Under State Purchasing Regulation 8.2.1.1.2, any alleged oral agreement or arrangements made by a bidder or contractor with any agency or an employee of the Office of Purchases may be disregarded and shall not be binding on the state.

**PRODUCT ACCEPTANCE** - All merchandise offered or otherwise provided shall be new, of prime manufacture, and of first quality unless otherwise specified by the State. The State reserves the right to reject all nonconforming goods, and to cause their return for credit or replacement, at the State's option.

- a) Failure by the state to discover latent defect(s) or concealed damage or non-conformance shall not foreclose the State's right to subsequently reject the goods in question.
- b) Formal or informal acceptance by the State of non-conforming goods shall not constitute a precedent for successive receipts or procurements.

Where the vendor fails to cure the defect promptly or replace the goods, the State reserves the right to

cancel the Release, contract with a different vendor, and to invoice the original vendor for any differential in price over the original contract price.

**ORDER AUTHORIZATION AND RELEASE AGAINST PRICING AGREEMENT**

**In no event shall the Vendor deliver goods or provide service until such time as a duly authorized release document is certified by the ordering Agency.**

**State Agencies shall request release as follows: All releases shall reference the Price Agreement number, the Contract Issue number, the item(s) covered, and the unit pricing in the same format as described herein.**

A Department Purchase Order (DPO) listing the items ordered shall be created by the agency. The agency may mail or fax a copy of the order to the Vendor. In some cases the agency may request delivery by telephone, but must provide the Vendor with a DPO Order Number reference for billing purposes. Vendors are encouraged to require written orders to assure payments are processed accurately and promptly.

**DELIVERY** - If this is an MPA, Vendor will obtain "ship to" information from each participating agency. This information will be contained in the DPO. APA delivery information will be contained in the Notice of Award.

**PRICING** - All pricing shall be as described herein, and is considered to be fixed and firm for the term of the Agreement, unless specifically noted to the contrary herein. All prices include prepaid freight. Freight, taxes, surcharges, or other additional charges will not be honored unless reflected herein.

**INVOICING** - All invoices shall reference the DPO Order Number(s), Price Agreement number, the Contract Issue number, the item(s) covered, and the unit pricing in the same format as described herein. If this is an MPA, Vendor will obtain "bill to" information from each participating agency. This information will be contained in the DPO. APA billing information will be contained in the Notice of Award.

**PAYMENT** - Invoices for items not received, not priced according to contract or for work not yet performed will not be honored. No payment will be processed to any vendor for whom there is no IRS W-9 on file with the State Controller.