



Notice of Contract Purchase Agreement

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

BOUND TREE MEDICAL LLC
5000 TUTTLE CROSSING BLVD
DUBLIN, OH 43016
United States

AUTOMATED EXTERNAL DEFIBRILLATORS (MPA-370) 4/1/14 - 12/31/18	
Award Number 3370091	Effective Period: 01-APR-14 - 31-DEC-18

S H I P T O	MASTER PRICE AGREEMENT SEE BELOW RELEASE AGAINST,RI MPA United States
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Date: 25-MAR-14
Buyer: C Melillo
Shipping: Paid
Terms: NET 30
Vendor#: 7678

I N V O I C E	MASTER PRICE AGREEMENT SEE BELOW RELEASE AGAINST,RI MPA United States
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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.
PHILLIPS - HEARTSTART
PRICING ATTACHED
MANUFACTURERS WARRANTY

SUPPLIER CONTACT:
JERRY FLANAGAN
PHONE (774) 287-1131
jflanagan@boundtree.com

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

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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. Delivery of goods or services as described herein shall be deemed acceptance of these requirements



STATE OF RHODE ISLAND
AUTOMATED EXTERNAL DEFIBRILLATORS

BID #: 7536376

DUE: DECEMBER 5, 2013, AT 1015AM

Master Price Agreement 370 (Quote 7536376)

Bound Tree Medical

Item Number	BTM's Description	Vendor Name	Vendor Item #	U/M	Price
2748-16198	FR3 System Case, Soft, fits AED, Extra Battery, extra set of SMART Pads III	PHILIPS MEDICAL SYSTEMS HSG	989803179161	EA	\$ 92.00
2748-18198	FR3 Small Case, Soft, fits AED and extra set of SMART Pads III	PHILIPS MEDICAL SYSTEMS HSG	989803179181	EA	\$ 89.21
2748-97198	FR3 System Case, Rigid	PHILIPS MEDICAL SYSTEMS HSG	989803149971	EA	\$ 136.32
2742-98198	Defibrillation Pads, SMART Pads III, for the FR3 Defibrillator, 1 set	PHILIPS MEDICAL SYSTEMS HSG	989803149981	ST	\$ 25.34
2746-03198	FR3 Infant/Child Key	PHILIPS MEDICAL SYSTEMS HSG	989803150031	EA	\$ 54.41
2746-38986	Defibrillator, HeartStart FR3 ECG and Text Display Bundle, incl battery, SMART Pads III, and extra set of SMART Pads III	PHILIPS MEDICAL SYSTEMS HSG	861389	EA	\$ 1,897.14
2750-16198	Replacement Battery for the FR3 Defibrillator	PHILIPS MEDICAL SYSTEMS HSG	989803150161	EA	\$ 151.46
2746-38886	Defibrillator, HeartStart FR3 Text Display, incl battery, SMART Pads III, and user manual	PHILIPS MEDICAL SYSTEMS HSG	861388	EA	\$ 1,570.17
2744-31511	Fast Response Kit, FR3, incl gloves, scissors, razor, mask, paper towel	PHILIPS MEDICAL SYSTEMS HSG	989803150111	EA	\$ 28.61
2746-06198	Data Card for FR3 AED	PHILIPS MEDICAL SYSTEMS HSG	989803150061	EA	\$ 51.61
3650-18198	Replacement Training Pads III for FR3 AED Trainer 3, 1 set	PHILIPS MEDICAL SYSTEMS HSG	989803150181	ST	\$ 14.59
139281	INFANT/CHILD PADS PLACEMENT GUIDE FOR FR2+ FRX AND HSI MODELS	PHILIPS MEDICAL SYSTEMS HSG	989803139281	EA	\$ 15.71
ATM5070A	ONSITE AED AND FRX AED SPARE/REPLACEMENT BATTERY	PHILIPS MEDICAL SYSTEMS HSG	M5070A	EA	\$ 92.00
ATM5089A	MANIKIN ADAPTER TAPE, EXTERNAL, FOR ONSITE AND FRX AED TRAINER, REQUIREMENT BATTERY	PHILIPS MEDICAL SYSTEMS HSG	M5089A	PK	\$ 31.41
ATM5090A	ADULT PADS PLACEMENT GUIDE FOR ONSITE, FRX & HSI MODELS	PHILIPS MEDICAL SYSTEMS HSG	M5090A	EA	\$ 15.71
ATMACT-IR	ONSITE AED & FRX AED DATA TRANSFER CABLE	PHILIPS MEDICAL SYSTEMS HSG	ACT-IR	EA	\$ 80.22
L941311	CARRY CASE HARD PLASTIC WATERPROOF FOR ONSITE/ FR2/FRX AEDS	PHILIPS MEDICAL SYSTEMS HSG	YC	EA	\$ 123.41
139251	CARRY CASE FRX DEFIBRILLATOR	PHILIPS MEDICAL SYSTEMS HSG	989803139251	EA	\$ 80.22
139261	HEARTSTART SMART PADS II FOR FRX 1 SET	PHILIPS MEDICAL SYSTEMS HSG	989803139261	ST	\$ 30.29
139271	FRX TRAINING PADS II CONVERT FRX TO AED TRAINER	PHILIPS MEDICAL SYSTEMS HSG	989803139271	PR	\$ 46.00
139291	REPLACEMENT TRAINING PADS II FOR FRX INCLUDES PADS WIRE AND PLUG	PHILIPS MEDICAL SYSTEMS HSG	989803139291	PR	\$ 18.51
139311	INFANT/CHILD KEY FOR HS FRX	PHILIPS MEDICAL SYSTEMS HSG	989803139311	EA	\$ 58.90
861304	FRX AED, 1 Pr. Pads, 1 Battery, w/o Case	PHILIPS MEDICAL SYSTEMS HSG	861304	EA	\$ 1,115.43
861306	FRX AED TRAINER W/ CARRY CASE & TRAINING PADS; W/O BATT OR INF/CHD KEY	PHILIPS MEDICAL SYSTEMS HSG	861306	EA	\$ 207.00
989803139341	FRX PRODUCT TRAINING DVD	PHILIPS MEDICAL SYSTEMS HSG	989803139341	EA	\$ 8.98
M5088A	MANIKIN ADAPTER TAPE, INTERNAL, FOR ONSITE AND FRX AED TRAINER, REQUIREMENT BATTERY	PHILIPS MEDICAL SYSTEMS HSG	M5088A	EA	\$ 18.51
989803139321	TRAINING TOOLKIT FOR FRX AED	PHILIPS MEDICAL SYSTEMS HSG	989803139321	EA	\$ 18.51
ATM5066A	OnSite AED, 1 Pad Cartridge, 1 Battery, No Case (Medical Information Required)	PHILIPS MEDICAL SYSTEMS HSG	M5066A - OPT C04	EA	\$ 773.71
ATM5070A	ONSITE AED AND FRX AED SPARE/REPLACEMENT BATTERY	PHILIPS MEDICAL SYSTEMS HSG	M5070A	EA	\$ 92.00
ATM5071A	ONSITE AED ADULT DEFIBRILLATION PADS	PHILIPS MEDICAL SYSTEMS HSG	M5071A	EA	\$ 36.46
ATM5072A	ONSITE AED PEDIATRIC DEFIBRILLATION PADS	PHILIPS MEDICAL SYSTEMS HSG	M5072A	EA	\$ 58.90
ATM5073A	ONSITE AED ADULT TRAINING CARTRIDGE	PHILIPS MEDICAL SYSTEMS HSG	M5073A	EA	\$ 46.00
ATM5074A	ONSITE AED PEDIATRIC TRAINING PAD CARTRIDGE	PHILIPS MEDICAL SYSTEMS HSG	M5074A	EA	\$ 49.37
ATM5075A	ONSITE AED STANDARD CARRY CASE	PHILIPS MEDICAL SYSTEMS HSG	M5075A	EA	\$ 72.37
ATM5085A	ONSITE AED TRAINER WITH CARRY CASE	PHILIPS MEDICAL SYSTEMS HSG	M5085A	EA	\$ 200.83
ATM5089A	MANIKIN ADAPTER TAPE, EXTERNAL, FOR ONSITE AND FRX AED TRAINER, REQUIREMENT BATTERY	PHILIPS MEDICAL SYSTEMS HSG	M5089A	PK	\$ 31.41

Item Number	BTM's Description	Vendor Name	Vendor Item #	U/M	Price
ATM5090A	ADULT PADS PLACEMENT GUIDE FOR ONSITE, FRX & HSI MODELS	PHILIPS MEDICAL SYSTEMS HSG	M5090A	EA	\$ 15.71
ATM5093A	ONSITE AED REPLACEMENT PADS, ADULT TRAINING	PHILIPS MEDICAL SYSTEMS HSG	M5093A	PR	\$ 18.51
ATM5094A	ONSITE AED REPLACEMENT PADS, INFANT/CHILD TRAINING	PHILIPS MEDICAL SYSTEMS HSG	M5094A	PR	\$ 18.51
ATMACT-IR	ONSITE AED & FRX AED DATA TRANSFER CABLE	PHILIPS MEDICAL SYSTEMS HSG	ACT-IR	EA	\$ 80.22
1941311	CARRY CASE HARD PLASTIC WATERPROOF FOR ONSITE/ FR2/FRX AEDS	PHILIPS MEDICAL SYSTEMS HSG	YC	EA	\$ 123.41
2746-066R01	OnSite OTC AED, HS1 Ready Pack, 1 Pad Cartridge, 1 Battery PrePacked in Stand	PHILIPS MEDICAL SYSTEMS HSG	M5066A - OPT R01	EA	\$ 861.14
M5088A	MANIKIN ADAPTER TAPE, INTERNAL, FOR ONSITE AND FRX AED TRAINER, REQU	PHILIPS MEDICAL SYSTEMS HSG	M5088A	EA	\$ 18.51
9067	Quick reference guide, for HeartStart OnSite	PHILIPS MEDICAL SYSTEMS HSG	M5066-97800	EA	\$ 2.80
011806	TRAINING TOOL KIT FOR ONSITE AED	PHILIPS MEDICAL SYSTEMS HSG	M5066-89100	EA	\$ 18.51
2746-066C01	OnSite OTC AED, 1 Pad Cartridge, 1 Battery w/Standard Carry Case	PHILIPS MEDICAL SYSTEMS HSG	M5066A - OPT C01	EA	\$ 829.71
2746-066C02	OnSite OTC AED, 1 Pad Cartridge, 1 Battery w/ Slim Carry Case	PHILIPS MEDICAL SYSTEMS HSG	M5066A - OPT C02	EA	\$ 793.14
LFR2052	DEFIB ADULT TRAINING PADS PAIR FOR FR2 AED TRAINER 2	LAERDAL MEDICAL CORP.	07-10900	PR	\$ 22.87
L945004	CABLE TRAINING CONNECTS FR, FR2, FR3, FRx and MRx TO TRAINING MANIKIN,	LAERDAL MEDICAL CORP.	945006	EA	\$ 99.70
L945006	ELECTRODE ADAPTER FOR ZOLL TO HEARTSTREAM FR2	LAERDAL MEDICAL CORP.	05-10100	EA	\$ 38.41
M3871A	DEFIBRILLATOR TRAINING PADS PEDIATRIC FOR LAERDAL AED FR2 TRAINER 2 SY	LAERDAL MEDICAL CORP.	M3871A	ST	\$ 44.82
2742-58211	DEFIB PADS FOR HEARTSTART FR2, AND MRX 1PR/PK	PHILIPS MEDICAL SYSTEMS HSG	989803158211	PK	\$ 23.56
2742-58221	DEFIB PADS FOR HEARTSTART FR2, AND MRX 5PRS/BX	PHILIPS MEDICAL SYSTEMS HSG	989803158221	BX	\$ 92.56
2742-ATM3713A	ADULT MULTIFUNCTION ELECTRODE PADS FOR MRX, FR2, XLT, PLUG STYLE CON	PHILIPS MEDICAL SYSTEMS HSG	M3713A	PR	\$ 21.22
AT05-10100	ELECTRODE ADAPTER ZOLL TO HEARTSTREAM FR2 AUTOMATED EXTERNAL DEF	PHILIPS MEDICAL SYSTEMS HSG	05-10100	EA	\$ 23.56
AT05-10200	AUTOMATED EXTERNAL DEFIBRILLATOR/AED ELECTRODE ADAPTER HP FOR HEA	PHILIPS MEDICAL SYSTEMS HSG	05-10200	EA	\$ 23.56
139281	INFANT/CHILD PADS PLACEMENT GUIDE FOR FR2+ FRX AND HSI MODELS	PHILIPS MEDICAL SYSTEMS HSG	989803139281	EA	\$ 15.71
L941311	CARRY CASE HARD PLASTIC WATERPROOF FOR ONSITE/ FR2/FRX AEDS	PHILIPS MEDICAL SYSTEMS HSG	YC	EA	\$ 123.41
ATM3848A	BATTERY RECHARGEABLE FOR FR2 AUTOMATED EXTERNAL DEFIBRILLATOR/AED	PHILIPS MEDICAL SYSTEMS HSG	M3848A	EA	\$ 163.80
ATM3853A	DATA CARD TRAY FOR FR2 SERIES AUTOMATED EXTERNAL DEFIBRILLATOR/AED	PHILIPS MEDICAL SYSTEMS HSG	M3853A	EA	\$ 5.61
ATM3854A	DATA CARD AND TRAY FOR FR2 SERIES AUTOMATED EXTERNAL DEFIBRILLATOR	PHILIPS MEDICAL SYSTEMS HSG	M3854A	EA	\$ 54.98
ATM3855A-903	CHARGER FOR FR2 TRAINING AND ADMINISTRATION PACK, AED TRAINER	PHILIPS MEDICAL SYSTEMS HSG	M3855A	EA	\$ 77.41
ATM3863A	BATTERY SPARE/REPLACEMENT FOR FR2 AUTOMATED EXTERNAL DEFIBRILLATC	PHILIPS MEDICAL SYSTEMS HSG	M3863A	EA	\$ 147.54
ATM3869A	CARRY CASE VINYL FOR FR2 HEARTSTART AED	PHILIPS MEDICAL SYSTEMS HSG	M3869A	EA	\$ 80.22
ATM3870A	DEFIBRILLATOR PADS PEDIATRIC 1/PR FR2 AND FR2+ ONLY	PHILIPS MEDICAL SYSTEMS HSG	M3870A	PR	\$ 58.90
L941500	DATA CARD ADAPTER FOR FR2 TO PCMCIA	PHILIPS MEDICAL SYSTEMS HSG	SDCF-05	EA	\$ 17.39
M3864A	AED TRAINING AND ADMINISTRATION PACK FOR FR2 AED/AED SERIES	PHILIPS MEDICAL SYSTEMS HSG	M3864A	PK	\$ 123.41
M3754A	PROGRAMMING KIT FOR AED TRAINER 2 FR2 (INC CABLE & CD W/SOFTWARE	PHILIPS MEDICAL SYSTEMS HSG	M3754A	EA	\$ 18.51
M3536A1	HeartStart MRx ALS Monitor/Defibrillator (see notes for items included)	PHILIPS MEDICAL SYSTEMS HSG	M3536A	EA	\$ 6,785.37
2740-B08	*Option for MRx* Q-CPR, incl Adhesive Pads	PHILIPS MEDICAL SYSTEMS HSG	B08	EA	\$ 1,899.27
2740-B09	*Option for MRx* Q-CPR Data Capture	PHILIPS MEDICAL SYSTEMS HSG	B09	EA	\$ 126.83
2740-C03	*Option for MRx* Data Card - 256MB External Data Card	PHILIPS MEDICAL SYSTEMS HSG	C03	EA	\$ 60.24

Master Price Agreement 370 (Quote 7536376)

Bound Tree Medical

Item Number	BTM's Description	Vendor Name	Vendor Item #	U/M	Price
FR2-B1YR	AED Series: Philips FR2, Basic Service Plan - 1 year	DXE MEDICAL	FR2-B1Yr	EA	\$ 99.00
FR2-B2YR	AED Series: Philips FR2, Basic Service Plan - 2 year	DXE MEDICAL	FR2-B2Yr	EA	\$ 189.00
FR2-B3YR	AED Series: Philips FR2, Basic Service Plan - 3 year	DXE MEDICAL	FR2-B3Yr	EA	\$ 268.00
FR3- B1YR	AED Series: Philips FR3, Basic Service Plan - 1 year	DXE MEDICAL	FR3- B1Yr	EA	\$ 99.00
FR3-B2YR	AED Series: Philips FR3, Basic Service Plan - 2 year	DXE MEDICAL	FR3-B2Yr	EA	\$ 189.00
FR3-B3YR	AED Series: Philips FR3, Basic Service Plan - 3 year	DXE MEDICAL	FR3-B3Yr	EA	\$ 268.00
FRX-B1YR	AED Series: Philips FRX, Basic Service Plan - 1 year	DXE MEDICAL	FRX-B1Yr	EA	\$ 99.00
FRX-B2YR	AED Series: Philips FRX, Basic Service Plan - 2 year	DXE MEDICAL	FRX-B2Yr	EA	\$ 189.00
FRX-B3YR	AED Series: Philips FRX, Basic Service Plan - 3 year	DXE MEDICAL	FRX-B3Yr	EA	\$ 268.00
ONSITE-B1YR	AED Series: Philips Onsite, Basic Service Plan - 1 year	DXE MEDICAL	ONSITE-B1Yr	EA	\$ 99.00
ONSITE-B2YR	AED Series: Philips Onsite, Basic Service Plan - 2 year	DXE MEDICAL	ONSITE-B2Yr	EA	\$ 189.00
ONSITE-B3YR	AED Series: Philips Onsite, Basic Service Plan - 3 year	DXE MEDICAL	ONSITE-B3Yr	EA	\$ 268.00
FR2-P1YR	AED Series: Philips FR2, Premium Service Plan - 1 year	DXE MEDICAL	FR2-P1Yr	EA	\$ 200.00
FR2-P2YR	AED Series: Philips FR2, Premium Service Plan - 2 year	DXE MEDICAL	FR2-P2Yr	EA	\$ 380.00
FR2-P3YR	AED Series: Philips FR2, Premium Service Plan - 3 year	DXE MEDICAL	FR2-P3Yr	EA	\$ 540.00
FR3-P1YR	AED Series: Philips FR3, Premium Service Plan - 1 year	DXE MEDICAL	FR3-P1Yr	EA	\$ 200.00
FR3-P2YR	AED Series: Philips FR3, Premium Service Plan - 2 year	DXE MEDICAL	FR3-P2Yr	EA	\$ 380.00
FR3-P3YR	AED Series: Philips FR3, Premium Service Plan - 3 year	DXE MEDICAL	FR3-P3Yr	EA	\$ 540.00
FRX-P1YR	AED Series: Philips FRX, Premium Service Plan - 1 year	DXE MEDICAL	FRX-P1Yr	EA	\$ 200.00
FRX-P2YR	AED Series: Philips FRX, Premium Service Plan - 2 year	DXE MEDICAL	FRX-P2Yr	EA	\$ 380.00
FRX-P3YR	AED Series: Philips FRX, Premium Service Plan - 3 year	DXE MEDICAL	FRX-P3Yr	EA	\$ 540.00
ONSITE-P1YR	AED Series: Philips Onsite, Premium Service Plan - 1 year	DXE MEDICAL	ONSITE-P1Yr	EA	\$ 200.00
ONSITE-P2YR	AED Series: Philips Onsite, Premium Service Plan - 2 year	DXE MEDICAL	ONSITE-P2Yr	EA	\$ 380.00
ONSITE-P3YR	AED Series: Philips Onsite, Premium Service Plan - 3 year	DXE MEDICAL	ONSITE-P3Yr	EA	\$ 540.00
MRX3P-P1YR	Philips MRX, 3 lead w/ pacing, Premium Service Plan - 1 year	DXE MEDICAL	MRX3P-P1Yr	EA	\$ 650.00
MRX3P-P2YR	Philips MRX, 3 lead w/ pacing, Premium Service Plan - 2 year	DXE MEDICAL	MRX3P-P2Yr	EA	\$ 1,235.00
MRX3P-P3YR	Philips MRX, 3 lead w/ pacing, Premium Service Plan - 3 year	DXE MEDICAL	MRX3P-P3Yr	EA	\$ 1,755.00
MRX3P-B1YR	Philips MRX, 3 lead w/ pacing, Basic Service Plan - 1 year	DXE MEDICAL	MRX3P-B1Yr	EA	\$ 185.00
MRX3P-B2YR	Philips MRX, 3 lead w/ pacing, Basic Service Plan - 2 year	DXE MEDICAL	MRX3P-B2Yr	EA	\$ 352.00
MRX3P-B3YR	Philips MRX, 3 lead w/ pacing, Basic Service Plan - 3 year	DXE MEDICAL	MRX3P-B3Yr	EA	\$ 500.00

Bound Tree Medical is focused on providing service to meet the needs of our customers throughout the United States. We have a deep commitment to help those that help others. The specialized market that we serve drives us to create the best possible solutions for our customers. We are here to serve you.

Our nationwide toll-free Customer Service line is 800-533-0523. Bound Tree Medical routes calls by origin of the zip code of the caller which, results in more customer awareness among those agents responding to customer calls.

There are a variety of methods to place orders and verify pricing:

- 1) Internet: Customers have access to real-time pricing and stock availability 24 hours a day, 7 days a week. www.boundtree.com
- 2) Email: Orders may be emailed to customer service at customerservice@boundtree.com.
- 3) Phone: Our dedicated team of customer service representatives can answer questions or take your orders from 7:30 AM to 8:00 pm EST.
- 4) Fax: Our nationwide toll-free fax line is available 24 hours a day at 800-257-5713.
- 5) Mail: Orders may be mailed to our corporate office. An order form is included in the back of our catalog for convenience.

The Customer Service Department is comprised of 27 staff members. Customer Service Representatives respond to inbound calls and make outbound calls to customers to provide information regarding product availability, shipment and delivery schedule changes. These same representatives are available to answer questions about shipments or process returns when necessary.

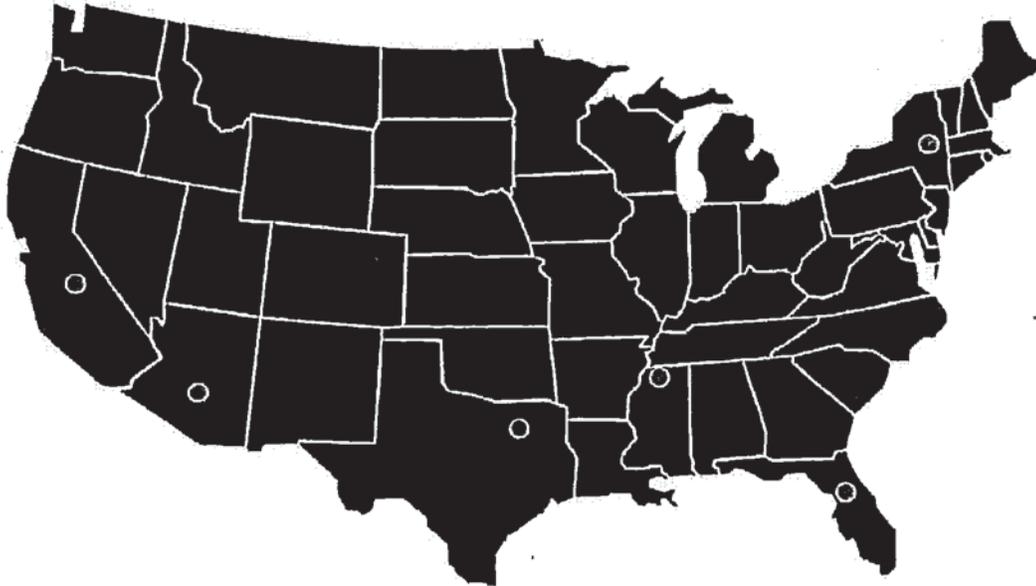
If an item goes onto a long term backorder, Bound Tree will work to find equivalent substitute items for the backorder. If it is the customer preference to approve all substituted items, Bound Tree Customer Service will seek approval prior to shipping sub items.

Bound Tree Medical is proud to offer our customers access to an Emergency Disaster Support line at 800-863-0953, which operates 24 hours/day, 7 days per week. It is staffed by on-call managers, who are accessible through routing of calls to cell phones. After leaving a message, a return call is originated within 20 minutes.

Bound Tree Medical allows customers to purchase on open account. The proper account application must be completed and submitted. Bound Tree Medical will assign an account number to each application. Each account has one billing/payables address but may have several shipping/receiving addresses.

In addition, the Federal Drug Administration (FDA) requires Bound Tree Medical to retain a Medical Director (physician) signature, contact information and license photocopy when purchasing legend items and or pharmaceuticals.

Customers may purchase by Master Card, VISA, Discover or American Express. Prepaid orders are also accepted.



—— 2 or less days standard UPS

—— 3 or more days standard UPS

- 6 Bound Tree Distribution Centers are strategically positioned for operational efficiency and disaster response.
- 96 % of all of our customers can be reached using UPS Ground within 2 business days



Making Precious Minutes Count...™

RETURN POLICY

At Bound Tree Medical, we recognize there are times when customers need to return an item. To help make the process a seamless one, please contact our customer service department to obtain a return authorization number prior to returning a product. This will help expedite your return and allow us to give you the proper credit. If we have fallen short and created the error, the product will be picked up and a full credit will be applied to your account.

If you decide you do not want the product and wish to return it, please call so we can give you a return authorization number. When calling for a return authorization number, it is extremely helpful if you have your invoice number and product number available.

We will issue a separate return authorization number for each invoice. Once you have the return authorization number, please put the number on the outside of the box and ship to the designated warehouse. If possible, please send a copy of the invoice with the package.

There will be no restocking fee if the product is returned within 30 days of the invoice date unless it is a customized item, not in the original sealed package, a non-stock item, not in new condition or if it has been more than 60 days. Items that you wish to return after 30 days from the invoice date will receive a 15% restocking fee. This will be deducted from the credited invoice.

Return authorization numbers are valid for 30 days after the date they are issued.



Making Precious Minutes Count...™

WARRANTY STATEMENT

THE MANUFACTURER'S REPRESENTATIONS AND WARRANTIES ACCOMPANYING THE PRODUCT ARE THE SOLE AND EXCLUSIVE REPRESENTATIONS AND WARRANTIES YOU WILL RECEIVE. BOUND TREE MEDICAL MAKES NO REPRESENTATIONS, WARRANTIES OR GUARANTEES OF ANY KIND WHATSOEVER; INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, NON-INFRINGEMENT OR FITNESS FOR A PARTICULAR PURPOSE.

Products &
SolutionsAutomated
External
Defibrillators

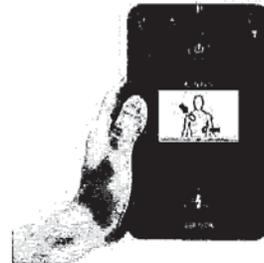
HeartStart FR3 Defibrillator

[Contact Us](#)
Online or by phone

PHILIPS

[Overview](#)
[Features](#)
[Specifications](#)
[Documents](#)

Specifications

[Defibrillator](#)
[Physical](#)
[Bluetooth 2.0 Class II Wireless Transceiver Module \(optional\)](#)
[SMART Pads III](#)
[FR3 data card \(optional\)](#)
[FR3 training battery and training pads \(optional\)](#)
[ECG Display](#)
[Environmental/physical requirements](#)
[Patient analysis system](#)
[FR3 primary battery](#)
[Infant/Child Key \(optional\)](#)
[Automated and user-activated self-tests](#)


Defibrillator

Models	861388 (text display) 861389 (ECG and text display)
Waveform	Supplied with AED, primary battery (1), SMART Pads III (1 set), printed instructions (Setup Guide) and CD-ROM (Administrative Reference) SMART biphasic Truncated Exponential waveform parameters adjust as a function of patient impedance. Adult nominal peak current 32A (150J into a 50 ohm load); pediatric nominal peak current 19A (50J into a 50 ohm load) using optional Infant/Child Key
Shock delivery	Via defibrillator pads placed in the anterior-anterior (Lead II) position for adults; anterior-posterior position for infants and children under 55 lbs (25 kg) or 8 years old
Controls	On/Off button, shock button, option buttons. Auto-On feature, when used with the optional FR3 carry case, enables FR3 to power up when case lid is opened
Indicators	High-resolution color LCD, beeper, voice prompts, tones and chirps, audio speaker, connector socket, ready light, shock button
Advanced Mode	Configurable using optional HeartStart Configure software

ECG Display

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Screen	LCD color display, 320 x 240 pixels. 2.8" x 2.1" (7.2 cm x 5.4 cm)
Bandwidth	1 Hz to 30 Hz (-3dB), nominal (non-diagnostic)
Monitored Lead	Lead II using anterior-anterior adult pads placement

Physical

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Size	2.7" high x 5.3" wide x 8.7" deep (6.9 cm x 13.5 cm x 22.1 cm)
Weight	3 lbs 8 oz (1.6 kg) with FR3 standard battery installed

Environmental/physical requirements

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Sealing	Meets IEC529 class IP55 with battery installed
Temperature	Operating/standby: 32°-122°F (0°- 50°C)
Altitude	0 -15,000 feet (0 -4,572 meters)

Shock/drop	Meets MIL-STD-810F 516.4, Procedure IV
Abuse tolerance	(After a lbe-meter drop to any edge, corner, or surface in standby mode)
Vibration	Meets MIL-STD-810F 514.5 C-17

Bluetooth 2.0 Class II Wireless Transceiver Module (optional)

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Function	Transmit retrospective event data or configuration setting wirelessly
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Patient analysis system

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ECG analysis	Evaluates impedance of defibrillator pads for proper contact with patient skin, evaluates the ECG rhythm and signal quality to determine if a shock is appropriate; also detects artifact and pacemaker
SMART CPR	Evaluates key characteristics of the presenting VF and determines the initial therapy: shock first, or CPR first quickly followed by a shock
Sensitivity/specificity	Meets AAMI DF80 requirements and AHA recommendations for adult defibrillation
Quick Shock	Typically arms in <8 seconds from the end of the "Stop CPR" prompt

FR3 primary battery

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Type	12 VDC, 4.7 Ah, lithium manganese dioxide long-life primary cells
Capacity	Typically 300 shocks or 12 hours of operating time at 77° F (25° C) when configured for monitoring after No Shock Advised (NSA)
Standby life	3 years minimum when stored under standby environmental conditions (battery installed)
Shelf life	5 years

SMART Pads III

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Applications	Disposable, multifunction defibrillation pads for adult or infant/child patients. Time-saving peel and place pads can be removed from packaging and stored in the FR3 carry case. Pads can be preconnected to FR3, which enables testing during FR3's routine self-test.
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Infant/Child Key (optional)

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Function	Selects therapy for infants or children under 55 lbs (25 kg) or 8 years old
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FR3 data card (optional)

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Function	Stores a minimum of 8 hours of ECG, event, and if configured, voice recording. Can also be used for configuring FR3.
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Automated and user-activated self-tests

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Automatic self-tests	Test internal circuitry, waveform delivery system, ECG acquisition, temperature, status (or readiness) of attached accessories (SMART Pads III and FR3 data card) and battery
Automated self-test frequency	Daily, weekly, monthly, power on, and runtime during all modes of operation
User initiated tests	Automatic self-tests plus tone, display, and button performance

FR3 training battery and training pads (optional)

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Function	Places FR3 into a scenario-based training mode and simulates shock therapy
Type	10.8 Volt, 4.5 Ah LI-ion battery

Products & Solutions

Automated External Defibrillators



HeartStart FRx Defibrillator

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Product Specifications

Model Number	861304
How Supplied	Defibrillator, battery (one, pre-installed), SMART Pads II (one set, pre-installed), Set up / Maintenance guide with expiration date tags, Owner's Manual, Quick Reference Guide. HeartStart FRx Ready-Pack option R01: Defibrillator inside carry case, battery (one, pre-installed), SMART Pads II (one set pre-installed plus spare set in carry case), Set-up/Maintenance guide with expiration date tags, Owner's Manual, Quick Reference Guide.
Waveform	Truncated Exponential Biphasic. Waveform parameters adjusted as a function of each patient's Impedance.
Therapy	Adult defibrillation peak current: 32A (150J nominal) into a 50 ohm load. Pediatric defibrillation (with optional Infant/Child Key installed): 19A (50J nominal) into a 50 ohm load.
Protocol	Protocol Device follows preconfigured settings. Defibrillation and CPR protocol can be customized using HeartStart Event Review or HeartStart Configure software.

User Interface

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Instructions	Detailed voice prompts and visual icons guide responder through use of the defibrillator
CPR Coaching	Voice coaching for adult and infant/child CPR provides Instructions and audio cues for the appropriate number, rate and depth of chest compressions, as well as for each breath.
Controls	Green On/Off button, blue i-button, orange Shock button, optional Infant/Child key.
Indicators	Ready light, blue i-button, caution light, illuminated pads, icons, Shock button lights up when shock is advised.

Physical requirements

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Size	2.4 x 7.1 x 8.9 inches (6 x 18 x 22 cm) H x D x W
Weight	With battery and pads case: 3.5 lbs (1.5 kg) Without battery or pads case: 2.6 lbs (1.2 kg)

Environmental

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Sealing	Waterjet proof IPX5 per IEC60529 Dust protected IPX5 per IEC60529
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Temperature	Operating/Standby:32° - 122° F (0° - 50° C)
Altitude	0 to 15,000 feet
Aircraft	Device:RTCA/DO-160D;1997
Crush	500 pounds
Vibration	Operating:meets MILSTD 810F Fig.514.5C-17,random; Standby:meets MILSTD 810F Fig.514.5C-18,swept sine.
EMI (Radiated/Immunity)	CISPR II Group I Class B, IEC 61000-4-3, and IEC 61000-4-8

Patient Analysis

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Patient Analysis	Evaluates patient ECG to determine if a rhythm is shockable. Rhythms considered shockable are ventricular fibrillation (VF), and certain ventricular tachy-cardias (VT) associated with lack of circulation. For safety reasons, some VT rhythms associated with circulation will not be interpreted as shockable, and some very low-amplitude or low-frequency rhythms will not be interpreted as shockable VF.
Sensitivity / Specificity	Meets AAMI DF80 guidelines and AHA recommendations for adult defibrillation (Circulation 1997;95:1677-1682).
Shock Advised	Able to deliver a shock as soon as the device indicates a shock is advised.
Quick Shock	Able to deliver a shock after the end of a CPR interval, typically in eight seconds.
Shock-to-Shock Cycle Time	Typically less than 20 seconds between shocks in a series.
Artifact Detection	Advanced signal processing allows accurate ECG analysis even in the presence of most pacemaker artifact and electrical noise sources. Other artifacts are detected and corrective voice prompts issued.

Battery

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Item Number (s)	Standard:M5070A Aviation:989803139301 (TSO C-142-U.S. only)
Type	9 Volt DC, 4.2 Ah, lithium manganese dioxide, disposable long-life primary cell.
Capacity	Minimum 200 shocks or 4 hours of operating time (EN 60601-2-4:2003).
Install-by Date	Battery is labeled with an install-by date of at least five years from date of manufacture.
Standby Life	Four years typical when battery is installed by the install by date.(Will power the AED in standby state within the specified standby temperature range, assuming one battery insertion test and no uses.

SMART PADS II

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Item Number	989803139261
How Supplied	Disposable pads case containing adhesive multifunction defibrillator pads.HeartStart plug style connector clicks into device for preconnected pads solution.
Active Surface Area	12.4 in ² (80 cm ²) each
Cable Length	48 inches (121.9 cm)
Use-by Date	Pads case is labeled with a use-by date of at least two years from date of manufacture.

Infant/Child Key

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Item Number	989803139311
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Training Pads II

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Item Number	989803139271
Function	Special pads place HeartStart FRx into training mode and disable its energy delivery capability. Features 8 real-world training scenarios.

Automated and User-activated Self-tests

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Daily Automatic Self-tests	Tests internal circuitry,waveform delivery system,pads and battery capacity.
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Pads Integrity Test	Specifically tests readiness-for-use of pads (gel moisture).
Battery Insertion Test	Upon battery insertion, extensive automatic self-tests and user-interactive test check device readiness.
Status Indicator	Blinking green "Ready" light indicates ready for use.

Data Recording and Transmission

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Infrared	Wireless transmission of event data to a PC or Palm® PDA, using the IrDA protocol..
HeartStart Event Review Software	Data management software (optional) for download and review of data retrieved through defibrillator's infrared data port.
Data Stored	Stores first 15 minutes of ECG and the entire incident's events and analysis decisions.

<http://www.healthcare.philips.com/main/products/resuscitation/products/FRx/specifications.wpd>
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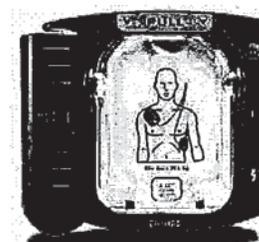
HeartStart OnSite (HS1) Defibrillator

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Specifications

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Product Specifications

Defibrillator Number	HeartStart M5066A
Defibrillator Family	HS1
How Supplied	Defibrillator, battery (one, preinstalled), SMART Pads (one, preinstalled), Set-up/Maintenance guide with expiration date tags, Owner's Manual, Quick Reference Guide. HeartStart Onsite (HS1) Ready-Pack option R01: Defibrillator inside carry case, battery (one, pre-installed), SMART Pads (one set pre-installed plus spare set in carry case), Set-up/Maintenance guide with expiration date tags, Owner's Manual, Quick Reference Guide.
Waveform	Truncated Exponential Biphasic. Waveform parameters adjusted as a function of each patient's impedance.
Therapy	Adult defibrillation peak current: 32A (150J nominal) into a 50 ohm load. Pediatric defibrillation (with optional Infant/Child SMART Pads Cartridge): 19A (50J nominal) into a 50 ohm load.
Shock-to-Shock Cycle Time	Typically less than 20 seconds between shocks in a series.
Quick Shock	Able to deliver a shock after the end of a CPR interval, typically in eight seconds.
Voice Instructions	Detailed voice messages guide responder through use of the defibrillator.
CPR Coaching	Instructions for adult and infant/child CPR available at user's option.
Shock Delivery	Via adhesive pads placed on patient's bare skin as illustrated on pads.
Controls	Green SMART Pads cartridge handle, green On/Off button, blue I-button, orange Shock button.
Indicators	Ready light; blue I-button; caution light.

Physical Requirements

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Sealing	Solid objects per EN60529 class IP2X Drip-proof per EN60529 class IPX1
Temperature	Operating: 32° - 122° F (0° - 50° C) Standby: 50° - 109° F (10° - 43° C)
Humidity	Operating: 0% to 95% relative, non-condensing Standby: 0% to 75% relative, non-condensing
Altitude	Operating: 0 to 15,000 ft (0 to 4,500 m) Standby: 0 to 8,500 ft > 48 hours and 8,500 to 15,000 feet < 48 hours
Shock/Drop Abuse	Withstands 1 meter drop to any edge, corner or surface.
Vibration	Meets EN1789 random and swept sine, road ambulance specification in operating and standby states.
EMI (Radiated/Immunity)	Meets EN55011 Group 1 Level B Class B and EN61000-4-3.

Patient Analysis System

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Patient Analysis	Evaluates patient ECG to determine if a rhythm is shockable. Rhythms considered shockable are ventricular fibrillation (VF) and certain ventricular tachycardias (VT) associated with lack of circulation. For safety reasons, some VT rhythms associated with circulation will not be interpreted as shockable, and some very low-amplitude or low-frequency rhythms will not be interpreted as shockable VF.
Sensitivity/Specificity	Meets AAMI DF80 guidelines and AHA recommendations for adult defibrillation (Circulation 1997;95:1677-1682).
Artifact Detection	The effects of pacemaker artifact and electrical noise are minimized with artifact detection.
Battery Type(M5070A)	9 Volt DC, 4.2 Ah, composed of disposable long-life lithium manganese dioxide primary cells.
Capacity	Minimum 200 shocks or 4 hours of operating time (EN 60601-2-4:2003)
Install-By-Date	Battery is labeled with an install-by date of at least five years from date of manufacture.
Standby Life	Four years typical when battery is installed by the install-by date. (Will power the AED in standby state within the specified standby Temperature range, assuming one battery insertion test and no defibrillation uses.)

SMART Pads

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Adult SMART Pads Cartridge	M5071A defibrillation pads for patients 8 years of age and older or 55 lbs. (25 kg) and over.
Infant/Child SMART Pads Cartridge	M5072A defibrillation pads for patients under 8 years of age or 55 lbs. (25 kg). Rx only.
Energy Delivered	Adult: nominal 150 Joules into a 50 ohm load Infant/Child: nominal 50 Joules into a 50 ohm load
How Supplied	Disposable cartridge, containing adhesive defibrillation pads, clicks into defibrillator for an integrated pads solution.
Active Surface Area	13.2 in ² (85 cm ²) each
Cable Length	Adult pads: 54 in (137.1 cm) Infant/Child pads: 40 in (101.6 cm)
Use-by Date	Cartridge is labeled with a use-by date of at least two years from date of manufacture.

Training Pads

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Adult Training Pads Cartridge	M5073A
Infant/Child Training Pads Cartridge	M5074A
Function	Special pads put HeartStart OnSite into training mode and disable its energy delivery capability. Training pads feature 8 real-world training scripts. Used with training mat (included) or with adapters on manikins.

Automated and User Activated Self-Tests

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Daily Automatic Self-Tests	Tests internal circuitry, waveform delivery system, pads cartridge and battery capacity.
Pads Integrity Test	Specifically tests readiness-for-use of pads (gel moisture).
Battery Insertion Test	Upon battery insertion, extensive automatic self-tests and user-interactive test check device readiness.
Status Indicator	Blinking green "Ready" light indicates ready for use. Audible "chirp" indicates need for maintenance.

Data Recording and Transmission

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Infrared	Wireless transmission of event data to a PC or Palm® PDA, using the IrDA protocol.
Data Stored	First 15 minutes of ECG and the entire incident's events and analysis decisions.

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Philips Heart Start OnSite Defibrillator

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The Philips Onsite Defibrillator is available over-the-counter (no medical prescription required) and is designed for ease-of-use. Philips AEDs are the most popular and widely used and distributed.

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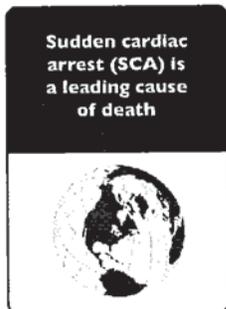
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[Owner's Manual](#)

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PHILIPS

► Sudden cardiac arrest (SCA) is a leading cause of death in the United States and many countries throughout the world. • With sudden cardiac arrest, time is critical. If you suspect that someone is in cardiac arrest, call 9-1-1 and then grab the HeartStart OnSite Defibrillator. • The HeartStart OnSite Defibrillator is designed to be fast to learn and easy to use. ◀ This demonstration illustrates the easy-to-follow, natural voice instructions provided through each step of the process.



◀ PREVIOUS || PAUSE NEXT ▶

The HeartStart OnSite Defibrillator is designed for the ordinary person in the extraordinary moment. Our innovative technology, based on extensive research and user feedback, has produced a defibrillator so easy to use that, with

Philips Heart Start OnSite Defibrillator
 Model M5066A

Price From: \$1199.00

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HeartStart Four-Year Battery , \$164.00

SMART Pads

Adult SMART Pads Cartridge , \$65.00

Adult SMART Pads Cartridge , \$65.00

Adult Training Pads Cartridge , \$82.00

Infant/Child Training Pads , \$88.00

Replacement Adult Training Pads , \$33.00

Fast Response Kits

68-PCHAT Fast Response Kit , \$45.00

Carrying Cases

Standard Carrying Case for HeartStart OnSite,HS1 , \$129.00

Slim Carrying Case for HeartStart OnSite , \$109.00

YC Waterproof AED Carrying Case , \$220.00

minimal training, you can potentially save the life of a co-worker, friend, or anyone else stricken with sudden cardiac arrest. The OnSite AED Treats the most common cause of Sudden Cardiac Arrest by delivering a shock to the heart.

OnSite comes with:

- Adult SMART Pads cartridge (lasts 2 years)
- Battery (lasts 4 years)
- 5-year warranty

Philips, the leader in defibrillation technology,* designed the HeartStart OnSite Defibrillator for the ordinary person in the extraordinary moment. Our innovative technology, based on extensive research and user feedback, has produced a defibrillator so easy to use that, with minimal training, you can potentially save the life of a co-worker, friend, or anyone else stricken with sudden cardiac arrest.

Weighing just 3.3 lbs., this small and lightweight defibrillator can be easily carried to the patient's side. Using clear, natural voice instructions, the OnSite Defibrillator guides you, the first caregiver on the scene, through each step of defibrillation and CPR. Integrated SMART Pads placed on the patient's bare skin transmit information to the defibrillator, which senses and adapts to your actions every step of the way.

HeartStart OnSite includes proven Philips technologies for heart rhythm assessment (SMART Analysis) and defibrillation energy delivery (SMART Biphasic). And like all HeartStart defibrillators, it can be used to treat infants, children and adults.

Easy to Use

- Uses clear, natural voice instructions that talk you through each step
- Senses and adapts to your actions
- Coaches you through CPR

Safe

- Based on industry-leading technology
- Uses a highly accurate algorithm to determine whether the patient's heart requires a shock
- Designed to only deliver a shock if one is needed

Reliable

- Performs comprehensive daily self tests
- Ready to use when you need it
- Check its status at a glance

Lead the well-equipped life.

With more than 175,000 devices deployed, Philips is the worldwide market leader in portable defibrillators on airplanes, and in airports, workplaces, communities, and homes. The Philips HeartStart Home Defibrillator is the *first* and *only* home defibrillator available without a prescription for use by virtually anyone to help save a life when minutes count. This award-winning defibrillator has consistently been recognized for its ease of use.

Ready When Needed

HeartStart Onsite is powered by a simple, safe, long-life (four-year) battery, the same technology used in cameras. Just click the battery in place, and the defibrillator is standing by, ready for use.

Between uses, the defibrillator performs daily, weekly, and monthly self-tests of its electrical components, subsystems, and battery to help ensure continued reliability and readiness. A pads integrity test, which checks daily that the cartridge is properly installed and that the defibrillator pads are in working order, provides an additional level of assurance.

As long as the green "Ready" light on the defibrillator is blinking, you can be certain the HeartStart OnSite is ready for use. If any part of the defibrillator needs attention, the "Ready" light turns off and the defibrillator "chirps" to alert you. Pressing the flashing blue "Information" button provides verbal guidance to help you identify and correct the situation.

Easy to Use

Using the HeartStart OnSite Defibrillator is simple. Pulling the green handle powers-up the defibrillator and activates voice instructions. These instructions are paced to your actions, to help guide you through the entire process, from placing pads on the patient to delivering a defibrillation shock.

HeartStart OnSite determines if a shock is needed, based on its automated assessment of the victim's heart rhythm:

- If a shock is needed, the defibrillator directs you to press the flashing orange "Shock" button. Then, HeartStart OnSite delivers a dose of low-energy biphasic therapy, a highly effective defibrillation waveform that is also gentle to the heart.
- If a shock is not needed, the OnSite Defibrillator instructs you to assess the patient and to perform CPR when necessary. While performing CPR, the defibrillator's voice instructions can be activated to coach you on the frequency and depth of compressions.

HeartStart OnSite also reminds you to call emergency medical services (EMS). And, should EMS need a summary of care, it can be retrieved from the defibrillator's internal memory. An EMS provider simply presses the "i-button" and HeartStart Onsite verbally recounts events from its last clinical use.

The OnSite is just one part of a well-designed emergency response plan. Any emergency response plan should be under the oversight of a physician and include CPR training. Ask your HeartStartCentral representative about Medical Direction.

HeartStart Cabinets

-  Basic Defibrillator Cabinet , \$253.00
-  Surface Mount Cabinet , \$440.00
-  Defibrillator Cabinet (semi-recessed) , \$469.00
-  Secure Pull Seal pack of 10 , \$11.00
-  AED Wall Mount , \$95.00

Heart Start OnSite Trainer

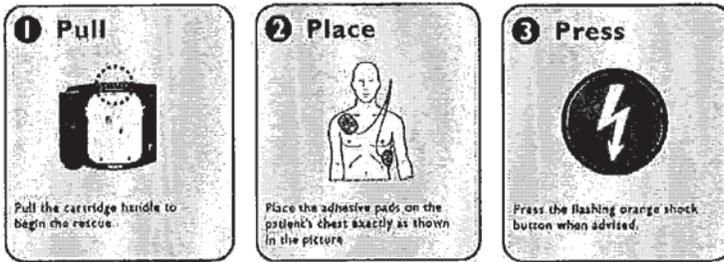
-  Heart Start Trainer , \$358.00
-  HeartStart HS1 and FR2 , \$33.00
-  Internal Manikin Adapter , \$33.00
-  External Manikin Adapter , \$56.00
-  Replacement Infant/Child Training , \$33.00
-  Quick Reference Guide , \$5.00

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Owner's Manual

[Click here for Training Materials](#)

Three Steps to Restart a Heart



Specifications:

Defibrillator Model	HeartStart M5066A
Defibrillator Family	HS1
How Supplied	Defibrillator, Owner's Manual, battery, 1 adult SMART Pads cartridge, Quick Reference Guide, Quick Start poster, and your choice of standard or slim carry case.
Waveform	Truncated Exponential Biphasic. Waveform parameters adjusted as a function of patient impedance.
Energy	Single energy output. Adults: nominal 150 Joules into a 50 ohm load. Infant/Child: nominal 50 Joules into a 50 ohm load. Automatically set based on type of SMART Pads cartridge installed.
Shock-to-Shock Cycle Time	Typically less than 20 seconds between shocks in a series.
Quick Shock	Able to deliver a shock after the CPR pause typically in eight seconds.
Voice Instructions	Detailed voice messages guide responder through use of the defibrillator.
CPR Voice Coaching	Voice instructions in adult and infant/child CPR available at user's option.
Shock Delivery	Via adhesive pads placed on patient's bare skin as illustrated on pads.
Controls	Green SMART Pads cartridge handle, Green On/Off button, Blue i-button, Orange shock button.
Indicators	Ready light; Blue i-button; Caution light.
Physical	
Size	
Height	2.8 inches (7 cm)
Width	8.3 inches (21 cm)
Depth	7.4 inches (19cm)
Weight	
With battery and pads cartridge	3.3 lbs (1.5 kg)
Without battery or pads cartridge	2.4 lbs (1 kg)
Environmental/Physical Requirements	
Sealing	Drip proof per EN60529 class IPX1. Solid Objects per EN60529 class IP2X.
Temperature	Operating: 32° - 122° F (0° - 50° C) Standby: 50° - 109° F (10° - 43° C)
Humidity	Operating: 0% to 95% relative, non-condensing Standby: 0% to 75% relative, non-condensing
Altitude	Operating: 0 to 15,000 feet Standby: 0 to 8,500 feet >48 hours and 8,500 to 15,000 feet <48 hours
Shock/Drop Abuse	Withstands 1 meter drop to any edge, corner or surface.
Vibration	Meets EN1789 random and swept sine, road ambulance specification in operating and standby states.

EMI (Radiated/Immunity)	Meets EN55011 Group 1 Level B Class B and EN61000-4-3.
Patient Analysis System	
Patient Analysis	Evaluates patient ECG and signal quality to determine if a rhythm is shockable and evaluates connection impedance for proper defibrillation pad contact. Rhythms considered shockable are ventricular fibrillation (VF), and certain ventricular tachycardias (VT) associated with lack of circulation, including ventricular flutter and polymorphic ventricular tachycardia. For safety reasons, some VT rhythms associated with circulation will not be interpreted as shockable, and some very low-amplitude or low-frequency rhythms will not be interpreted as shockable VF.
Sensitivity/Specificity	Meets AAMI DF80 guidelines and AHA recommendations for adult defibrillation(<i>Circulation</i> 1997;95:1677-1682).
Artifact Detection	The effects of pacemaker artifact and electrical noise are minimized with artifact detection.
Battery (M5070A)	
Type	9 Volt DC, 4.2 Ah, composed of disposable long-life lithium manganese dioxide primary cells.
Capacity	Minimum 200 shocks or 4 hours of operating time.
Install-By Date	Battery is labeled with an install-by date of at least five years from date of manufacture.
Standby Life	Four years typical when battery is installed by the install-by date.(Will power the AED in standby state within the specified standby temperature range, assuming one battery insertion test and no defibrillation uses.)
SMART Pads	
Adult SMART Pads Cartridge	M5071A defibrillation pads for patients 8 years of age and older or 55 lbs. (25 kg) and over.
Infant/Child SMART Pads Cartridge	M5072A defibrillation pads for patients under 8 years of age or 55 lbs. (25 kg).
Energy Delivered	Adult: nominal 150 Joules into a 50 ohm load. Infant/Child: nominal 50 Joules into a 50 ohm load.
How Supplied	Disposable cartridge, containing adhesive defibrillation pads, clicks into defibrillator for an integrated pads solution.
Active Surface Area	13.2 in ² (85 cm ²) each
Cable Length	Adult pads: 54 inch (137.1 cm) Infant/Child pads: 40 inch (101.6 cm)
Use-By Date	Cartridge is labeled with a use-by date of at least two years from date of manufacture.
Training Pads	
Adult Training Pads Cartridge	M5073A
Infant/Child Training Pads Cartridge	M5074A
Function	Special pads place HeartStart OnSite into training mode and disable its energy delivery capability. Feature 8 real-world training scripts.
Automated and User Activated Self Tests	
Daily Automatic Self-tests	Tests internal circuitry, waveform delivery system, pads cartridge and battery capacity.
Pads Integrity Test	Specifically tests readiness- for use of pads (gel moisture).
Battery Insertion Test	Upon battery insertion, extensive automatic self-tests and user-interactive test check device readiness.
Status Indicator	Blinking green Ready light indicates ready for use.
Data Recording and Transmission	

Infrared	Wireless transmission of event data to personal computer using the IrDA protocol.
HeartStart Event Review Software	Data management software (optional) for download and review of data retrieved through defibrillator's infrared data port.
Data Stored	First 15 minutes of ECG and the entire incident's events and analysis decisions.

HeartStart User Considerations:

- You cannot use the HeartStart to treat yourself.
- Users may need to perform CPR.
- Responding to cardiac arrest may require you to kneel.
- Voice instructions and enclosed materials are in English.*
- HeartStart provides audible and visible indicators when maintenance is required.

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 All other inquiries, please phone 718-339-6212
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HeartStart MRx ALS Monitor/Defibrillator

Product Specifications

Physical

Defibrillator Model	HeartStart MRx (M3536A)
Dimensions	Without external paddles: 12.4 in. (W) x 7.7 in. (D) x 11.7 in. (H) (313 mm x 195 mm x 295 mm). With external paddles: 12.4 in. (W) x 7.7 in. (D) x 13.4 in. (H) (313 mm x 195 mm x 340 mm)
Weight	13.2 lbs. (6 kg): base unit with 1 battery, pads and pads cable. 13 lbs. (5.9 kg) with optional 75 mm strip chart printer. Paddle tray and external standard paddles add less than 2.5 lbs. (1.1 kg). Carrying case adds 4.1 lbs. (1.86 kg).

Environmental and physical requirements

Solids/Water Resistance	IP24
Temperature	Operating: 32° - 113° F (0° - 45° C) Storage: -4° - 158° F (-20° - 70° C)
Humidity	Operating: 0% to 95% relative
Altitude	Operating: 0 to 15,000 ft (0 to 4,500 m) Storage: 0 to 15,000 ft (0 to 4,500 m)
Mechanical Shock	Bump: IEC 68-2-29 Freefall: IEC 68-2-32
Vibration	Operating: MIL STD 810E 514.4 Category 6 Helicopter, General Storage, UH60 Non-Operating: IEC 68-2-6 Swept Sine Vibration and IEC 68-2-64 Random Vibration
Safety	Meets EN 60601-1, UL 2601-1, CSA C22.2 No. 601-1

Display

Dimensions	8.4" diagonal (128 mm x 171 mm)
Type	TFT color LCD
Resolution	480 x 640 pixels (VGA)
Wave Viewing Time	5 seconds (ECG)

Defibrillation

Waveform	Truncated Exponential Biphasic.Waveform parameters adjusted as a function of patient impedance.
Output Energy	Manual (selected): 1-10, 15, 20, 30, 50, 70, 100, 120, 150, 170, 200 Joules into a 50 Ohm load AED Mode (single energy output): 150 Joules into a 50 ohm load.
Charge Time	Less than 5 seconds to 200 Joules with a new, fully charged lithium ion battery at 25° C
Shock Delivery	Via multifunction defib electrode pads or paddles
Shock-to-Shock Cycle Time	Typically less than 20 seconds
Patient Impedance Range	Minimum: 15 Ohm (Internal defibrillation); 25 Ohm (external defibrillation) Maximum: 180 Ohm
AED Mode	Shock advisory sensitivity and specificity meet AAMI DF-39 guidelines

Battery

Type	6.3 Ah, 14.8 V, rechargeable lithium ion
Dimensions	6.5" (H) x 3.8" (W) x 1.6" (D) (165 mm x 95 mm x 42 mm)
Weight	1.6 lb. (0.73 kg)
Charge Time	Approximately 3 hours from fully depleted to 100%, 90 minutes from fully depleted to 80%

Capacity	At least 5 hours of continuous 12-lead ECG, SpO ₂ , and CO ₂ monitoring, with NBP every 15 minutes on one new, fully charged battery. At least 3.5 hours of continuous 12-lead ECG, SpO ₂ , and CO ₂ monitoring, with NBP every 15 minutes and pacing at 180 ppm at 160 mA on one new, fully charged battery.
Battery Indicators	Battery gauge on battery, capacity indicator on display; flashing RFU indicator, chirp, and 'Low Battery' message appears on display for low battery condition, when 10 minutes of monitoring time and 6 maximum energy discharges remain (with a new battery at room temperature, 25° C)

Strip chart recorder

Recorder	Standard: 50 mm (paper width) thermal array printer Optional: 75 mm (paper width) thermal array printer
Continuous ECG Strip	Prints primary ECG lead with event annotations and measurements in real-time or with 10-second delay
Auto Printing	Recorder can be configured to print marked events, charge, shock and alarms
Reports	Event Summary, 12-Lead, Operational Check, Configuration, Status Log, and Device Information
Paper Size	1.97 in. (50 mm) W by 100 ft. (30 m) L 2.95 in. (75 mm) W by 100 ft. (30 m) L

Data storage

Internal	12 hours of continuous ECG waveforms and events, plus 50 12-lead ECG reports
Data Card	12 hours of continuous ECG waveforms and events, plus 50 12-lead ECG reports, on a CompactFlash memory card

ECG and arrhythmia monitoring

Input	Up to 4 ECG waves displayed and up to 3 ECG waves print simultaneously. Lead I, II, or III obtained through 3-lead ECG cable and separate monitoring electrodes. With 5-lead cable, obtain leads I, II, III, aVR, aVL, aVF, or V. Pads ECG obtained through 2 multifunction defibrillation electrode pads.
Lead Fault	'Lead Off' message and dashed line displayed, if an electrode or lead wire becomes disconnected
Pads Fault	Dashed line displayed if a pad becomes disconnected.
Heart Rate Display	Digital readout on display 15 to 300 bpm, accuracy ±10%
Heart Rate/Arrhythmia Alarms	HR, Asystole, VFIB/VTACH, VTACH, extreme tachycardia, extreme bradycardia, PVC rate
ECG Size	2.5, 5, 10, 20, 40 mm/mV, autogain

SpO₂ pulse oximetry

Range	0 to 100%
Resolution	1%
Alarm Range	Low Limit: 50 to 99% (Adult/Pediatric) High Limit: 51 to 100% (Adult/Pediatric)
Alarm Delay	10 seconds

Noninvasive Blood Pressure

Pressure Range	Systolic: 40 to 260 mmHg Diastolic: 20 to 200 mmHg
Initial Pressure	Adult: 160 mmHg Pediatric: 120 mmHg
Maximum Pressure	280 mmHg
Alarm Range	Systolic high limit: 30 - 270 (Adult), 35 - 180 (Pediatric) Systolic low limit: 30 - 265 (Adult), 30 - 175 (Pediatric) Diastolic high limit: 18 - 240 (Adult), 18 - 150 (Pediatric) Diastolic low limit: 10 - 240 (Adult), 10 - 145 (Pediatric)

End-tidal CO₂

Range	0 to 99 mmHg
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Resolution	1 mmHg (0.1 kPa)
Sample Size	50 ml per minute
Alarm Range	Low Limit: 10 to 95 mmHg (Adult/Pediatric) High Limit: 20 to 100 mmHg (Adult/Pediatric)

12-lead ECG

Input	12-Lead cable: leads I, II, III, aVR, aVL, aVF, V/C1-V/C6
Display View	All 12-lead ECG waves display simultaneously
Strip Recorder	All 12-leads print on the strip chart printer in 3x4 format
Transmission	CompactFlash data card; Bluetooth® dial-up Internet connection, Bluetooth® FTP

CPR feedback and measurement

Compression Depth	Target: -1.50 to -2.00 in. (-38 to -51 mm)
Compression Rate	Target: 90 to 120 cpm
Ventilation Volume	Graphic indicator: empty, 1/3-full, 2/3-full, full
Ventilation Rate	Target for breaths delivered before 60 seconds since last compression: 6 to 16 vpm Target for breaths delivered beyond 60 seconds since last compression: 9 to 16 vpm

Noninvasive pacing

Waveform	Monophasic Truncated Exponential
Current Pulse Amplitude	10 mA to 160 mA (5 mA resolution); accuracy 10 mA to 50 mA \pm 5 mA, 50 mA - 160 mA \pm 10%
Pulse Width	40 ms with \pm 10% accuracy
Rate	30 ppm to 180 ppm (10 ppm increments); accuracy \pm 1.5%
Modes	Demand or Fixed Rate
Refractory Period	340 msec (30 to 80 ppm); 240 msec (90 to 180 ppm)

http://www.healthcare.philips.com/us_en/products/resuscitation/products/mrx/mrx_als.wpd
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Bound Tree Medical offers you security and peace of mind with our new service plans for your new or recertified medical devices. A basic preventive maintenance plan and a premium comprehensive repair plan is available for most monitor/defibrillators, AEDs, ventilators, infusion pumps and other general medical devices.

Comprehensive Support

Our biomedical service plans provide industry-leading support for critical medical devices. In conjunction with strategically located service facilities across the county, we provide annual reports on performance repairs, thorough maintenance records and a reminder program to help you maintain and track your equipment.*

Trusted Technicians

Our biomedical team consists of over 10 experienced Biomedical Technicians with responsibility for maintaining more than 2500 devices annually.

Affordable

Keeping your equipment covered after the factory warranty expires and performing factory-recommended testing and maintenance is critical for quality patient care*. Our affordable service plans enable you to recognize greater return on your overall investment.

Convenient

Simply send your equipment to one of our service facilities and our in-house biomedical team will take it from there. We can even provide you with a loaner device if needed**. With our premium comprehensive repair plan, the shipping cost to return your device is also included.

Timely Turnaround on Repairs

Ship us your equipment and we will repair, calibrate, clean and return it to you promptly and ready for check in. Expedited service is available through our premium comprehensive repair plan.

Bound Tree Medical is your one source for sales and service of both new and recertified critical medical devices. If you have questions or if you would like additional information, please call us toll free at 800-764-0636, Monday through Friday between 7:00am PST and 5:00pm PST, to speak with a representative.

*Product software maintenance is NOT included with 2nd Life service. Service plans do not cover upgrades to new standards.

**Loaner devices are based on availability.



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BOUND TREE MEDICAL 2nd LIFE SERVICE PLANS



Service Provided	Premium	Basic
Comprehensive repair coverage on device while under contract	✓	
Preventative Maintenance / Calibration	✓	✓
Free Loaners (freight not included)	✓	*
Asset management		
• Annual device repair history report	✓	✓
• Upgrade notifications	✓	✓
• FDA notifications	✓	✓
Life cycle liquidation services	✓	
Priority service repair turnaround	✓	
Free shipping (on return of customer unit)**	✓	
Year-end report on performance repairs on covered parts	✓	
* Loaner available for fee under Basic plan		
** Shipping of customer unit to DXE not included		
Note: Basic Plan allows for Time & Materials based on current hourly rate, plus parts cost		



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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.

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.