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Technical Note

RECONFIGURING THE HEARTSTART FRx TO MEET AHA 2005 GUIDELINES

BACKGROUND

All existing FRx Defibrillators can be reconfigured by the user to adapt to the major elements of the American Heart Association Guidelines 2005, with the exception of default CPR Coaching. Customers who require CPR Coaching with a 30:2 compression:ventilation ratio may call Philips regarding a revision to defibrillator software.

Philips expects to be shipping FRx devices with software designed for default configuration compliance with the AHA Guidelines 2005 in the summer of 2006. Customers who purchased FRx Defibrillators before publication of the Guidelines (11/28/05) are invited to exchange their devices for reprogrammed FRx units for a nominal service charge (order p/n 861339, expires 12/31/07). Customers who purchased FRx Defibrillators after publication of the Guidelines (11/28/05) are eligible to exchange their devices for reprogrammed FRx units at no cost (order p/n 861338, expires 12/31/06).

Medical directors should consider their programs and – if the decision is made to reconfigure the defibrillator – train users to the new protocol before revising the defibrillator settings.

The following modifications to default configuration will allow current FRx units to conform to the major elements of the Guidelines. After modifying device configuration, verify that the new settings are in effect; these changes will override any previous changes.

PARAMETER	NEW SETTING	CHANGE FROM DEFAULT
Shock Series	1	Changes the 3-shock sequence to a 1-shock sequence.
Protocol Pause Timer	2.0	Changes the protocol pause interval to 2 minutes. The pause automatically starts after voice instruction is given when a shock series is completed. After the pause, the defibrillator returns to rhythm analysis.
NSA Timer	2.0	This changes the CPR pause after a "No Shock Advised" decision to 2 minutes.
NSA Pause Type	Standard NSA Pause	Modifies the behavior of the HeartStart so that it does not perform rhythm analysis during the NSA pause.

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The CPR Coaching parameters can be modified in either of two ways to meet the Guidelines: no CPR Coaching or compressions-only CPR Coaching. As detailed in the table below, the first option requires a change only to the CPR Prompt parameter setting; the second requires changes to the CPR Prompt, Adult Ventilation Instruction, and Infant/Child Ventilation Instruction settings.

NO CPR COACHING	SETTING	CHANGE
CPR Prompt	CPR1 (short prompt)	Shortens the voice prompts after a shock or a No Shock Advised decision, by eliminating the instructions to check for circulation and breathing. *Note: This change also turns off CPR Coaching.*
COMPRESSIONS-ONLY CPR COACHING	**SETTINGS (3 changes required)**	**CHANGE**
CPR Prompt	CPR3 (short prompt with coaching)	Shortens the voice prompts after a Shock or a No Shock Advised decision, by eliminating the instructions to check for circulation and breathing.
Adult CPR Ventilation Instruction	NO	Changes the ventilation default instructions from twice every 15 compressions to compressions only.
Infant/Child CPR Ventilation Instruction	NO	Changes the ventilation default instructions from once every 5 compressions to compressions only.

METHOD

Reconfiguring the FRx defibrillator requires use of data management software available from Philips. Either of two software packages can be used:

- M3834A Philips HeartStart Event Review 3.2

  This software is for use on a personal computer (not provided) with infrared communication (IrDA) capability or using an IrDA cable such as the Philips HeartStart ACT-IR. Instructions for changing the protocols are detailed in the Instructions for Use included with the Event Review software.

- 989803143041 Philips HeartStart Configure 1.0

  This software is for use with a handheld computer (not provided) using Palm OS. Instructions for changing the protocols are detailed in the Instructions for Use included with the HeartStart Configure software.

If you require additional assistance, please contact Philips Medical Systems at 1-800-263-3342 or your local Philips representative.

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