

Technical Note

## MAINTAINING HEARTSTART AEDS

SUPPLEMENTAL INFORMATION FOR TECHNICAL PROFESSIONALS

### BACKGROUND

Technical professionals occasionally request supplemental information about maintaining the HeartStart (also branded as Heartstream) FR series (ForeRunner and FR), FR2 series (FR2 and FR2+), FRx series, and HSI series (HeartStart Defibrillator, Home, and OnSite) defibrillators. This document is intended to supplement the user information for AED use and maintenance provided in the *Instructions for Use/Owner's Manual/User's Guide*.

This Supplemental Technical Information is intended for use by technical professionals and addresses:

- Calibration requirements and intervals
- Maintenance testing
- Verification of energy discharge
- Service/Maintenance and Repair Manuals

### CALIBRATION REQUIREMENTS AND INTERVALS

Users frequently ask about the requirement to calibrate and/or verify energy delivery. This document serves as evidence that the FR, FR2, FRx, or HSI series defibrillators do not require user calibration or verification of energy delivery prior to placing them in service. Further, the FR, FR2, FRx, or HSI series do not require periodic user calibration.

### MAINTENANCE TESTING

Maintenance testing is unnecessary as the FR, FR2, FRx, and HSI series defibrillators automatically perform daily self-tests to help ensure readiness for use. Readiness for use can also be verified by performing Battery Insertion Tests (see *Instructions for Use/Owner's Manual/User's Guide*).

This document serves as evidence that when the Status Indicator displays a flashing hourglass (FR and FR2 series) or green status light (FRx and HSI series), daily, weekly or monthly self-tests are operating as scheduled and the unit has passed its most recently performed self-test.

## VERIFICATION OF ENERGY DISCHARGE

This document serves as evidence that the FR, FR2, FRx, and HSI series defibrillators do not require manual verification of energy delivery because monthly automatic self-tests verify the waveform delivery system. However, a qualified technical professional can test FR, FR2, FRx, or HSI series defibrillator energy delivery, using instructions supplied by Philips Medical Systems. Please contact Philips Customer Service (US) for additional information at 800.263.3342.