

# CITY OF DENTON

## POLICY/ADMINISTRATIVE PROCEDURE/ADMINISTRATIVE DIRECTIVE

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| SECTION: HUMAN RESOURCES/RISK MANAGEMENT                 | REFERENCE NUMBER:<br>409.10         |
| SUBJECT: AUTOMATED EXTERNAL DEFIBRILLATOR (AED)          | INITIAL EFFECTIVE<br>DATE: 02/05/16 |
| TITLE: AUTOMATED EXTERNAL DEFIBRILLATOR (AED)<br>PROGRAM | LAST REVISION DATE:                 |

### ADMINISTRATIVE DIRECTIVE:

It is the goal of the City of Denton to promote the accessibility of automated external defibrillators for victims who experience sudden cardiac arrest.

The greatest chance of survival from cardiac arrests occurs when there is early Recognition and Access to the EMS system, early CPR, early Defibrillation, and early Advanced Medical care.

### ADMINISTRATIVE PROCEDURES:

#### I. *Scope*

These guidelines are for City of Denton departments utilizing this AED program with AED trained personnel.

#### II. *Definitions*

- A. "AED or Automated External Defibrillator" is an electronic medical device approved by the United States Food and Drug Administration which is capable of recognizing the presence or absence of cardio ventricular fibrillation or rapid cardio ventricular tachycardia; is capable of determining, without interpretation of cardiac rhythm by an operator, whether defibrillation should be performed and, on determining that defibrillation should be performed, automatically charges and requests the operator to deliver an electrical impulse to an individual's heart.
- B. "CPR or Cardiopulmonary Resuscitation" – is a lifesaving procedure involving closed chest compressions and artificial respiration to an individual who is pulseless and apneic or who is experiencing agonal respiration. Initiating CPR even without the AED present will provide the body's vital organs with oxygenated blood and increase the victim's chance of survival.

#### III. *Maintenance and Procurement*

AED's will be maintained and tested by the department that purchased the AED per the manufacturers guidelines and according to the rules and regulations established by the Texas Department of State Services and the Health and Safety Code.

**POLICY/ADMINISTRATIVE PROCEDURE/ADMINISTRATIVE DIRECTIVE (Continued)**

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| TITLE: AUTO EXTERNAL DEFIBRILLATOR (AED) PROGRAM | REFERENCE NUMBER:<br>409.11 |
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All AED's will be inspected on a monthly basis in accordance with the manufacturer's guidelines and according to the rules and regulations established by the Texas Department of State Health Services and the Health and Safety Code. The attached inspection checklist (Appendix A and B) shall be maintained by the department in which the AED is located. Inspection records shall be maintained a minimum of three years.

All procurement of AED's should be routed through Risk Management and the Denton Fire Department Emergency Medical Services Battalion Chief to ensure compatibility and continuity throughout the City. If a department elects to purchase an AED, the department shall notify Risk Management and the Fire Department of the existence and location of the AED. Each department is responsible for the procurement and maintenance costs for the AED's.

Departments electing to procure an AED should encourage employees to obtain certification in CPR through the City's Employee Training Program. The registration process for this is posted on the HR Intranet or by contacting Risk Management or Utility Safety and Training.

#### IV. *Training*

A person requesting and/or using an AED shall successfully complete a training course in CPR and AED operation in accordance with the guidelines established by the device's manufacturer and a course approved by the Texas Department of State Health Services. All training courses shall be approved by the Fire Department's Medical Control Physician.

#### V. *Procedures*

Always call or have someone call 911 in a medical emergency including the use of an AED.

AED's shall be used by individuals trained in CPR and AED use. They should only be applied to victims who are unconscious, not breathing, and showing no signs of circulation such as normal breathing, coughing or movement. The AED will analyze the heart rhythm and advise the operator if a shockable rhythm is detected. If a shockable rhythm is detected, the AED will charge to the appropriate energy level and advise the operator to deliver a shock.

A delay in accessing an AED should not hinder a person from initiating CPR if indicated.

All activities concerning the AED must be fully documented, including those cases where the unit is activated but a "no shock advised" message is given.

After an incident, defibrillator pads and supplies must be replaced immediately.

The City's Emergency Medical Services Battalion Chief shall be notified promptly but not later than 24 hours of the AED being used to assist a victim.

## City of Denton AED Inspection Checklist - Cardiac Science Powerheart in Utilities - Appendix B

Unit Serial Number: \_\_\_\_\_

Year: \_\_\_\_\_

Department/Location: \_\_\_\_\_

| Instruction   | Recommended<br>Corrective Action | Date     |     |     |     |     |     |     |     |     |      |     |     |     |
|---|----------------------------------|----------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|
|   |                                  | Initials | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sept | Oct | Nov | Dec |
| 1. Open the Powerheart AED lid.   |                                  |          |     |     |     |     |     |     |     |     |      |     |     |     |
| 2. Observe the change of the "Status" indicator to <b>RED</b> .                   |                                  |          |     |     |     |     |     |     |     |     |      |     |     |     |
| 3. Within 5 seconds, verify that the "Status" indicator returns to <b>Green</b> . |                                  |          |     |     |     |     |     |     |     |     |      |     |     |     |
| 4. Listen for voice prompts.  |                                  |          |     |     |     |     |     |     |     |     |      |     |     |     |
| 5. Check expiration date on electrodes.   |                                  |          |     |     |     |     |     |     |     |     |      |     |     |     |
| 6. Close lid and confirm the "Status" indicator remains <b>Green</b> .            |                                  |          |     |     |     |     |     |     |     |     |      |     |     |     |
| Comments:   |                                  |          |     |     |     |     |     |     |     |     |      |     |     |     |

