



PREHOSPITAL PARAMEDIC ELECTROCARDIOGRAPHY EQUIPMENT

APPROVED: 

EMS Medical Director



EMS Administrator

1. Purpose
 - 1.1 This policy lists acceptable electrocardiography equipment functions for Paramedic personnel.
2. Electrocardiography Equipment (EKG Monitor/Recorder/Defibrillator)
 - 2.1 Rapidly interchangeable battery system (operator installable) (new and replacement units)
 - 2.2 EKG recorder shall be an integral part of the monitor/defibrillator instrument and not a stand-alone instrument requiring electrical cabling interconnection to provide patient data.
 - 2.3 Provide a continuously adjustable energy range from 0-360 delivered joules or a series of discreet energy steps from 20-360 joules when delivered into a 50 ohm load
 - 2.4 The defibrillator shall have a maximum charge time (to 360 joules) of 15 seconds or less.
 - 2.5 The unit shall be capable of synchronized cardioversion with a visual indication of activation of the synchronizer. Synchronization marker shall appear on the monitor when the cardioversion mode of the defibrillator is activated. The unit must switch back to defibrillation after each cardioversion attempt.
 - 2.6 Have push button discharge controls on both paddle handles which must be simultaneously activated for the firing of the unit. Hands free permitted
 - 2.7 The defibrillator shall be deactivated and discharged upon storage of the defibrillator paddles.
 - 2.8 Low battery warning light or detector system

Issue Date: April 1, 2002
Effective Date: April 1, 2002
Review Date: April 2004

- 2.9 The unit shall have a battery charging system (internal or a separate unit) that will have the following capabilities:
 - 2.9.1 Recharge battery to 90% capacity within 90 minutes (at 25EC) - recommended
 - 2.9.2 Battery status shall be provided by appropriate indicator lights, for any battery being charged.
- 2.10 Battery discharger - recommended