**THE PROVISION OF AUTOMATIC EXTERNAL DEFIBRILLATORS (AEDs), MINI AED TRAINING UNITS AND ASSOCIATED CONSUMABLES**

**MINIMUM TECHNICAL SPECIFICATIONS**

**Category - General**.

1. The device must be easily transportable in its case with all accessories.
2. The device must have a water ingress protection (IP) rating of 4 or above (as defined in accordance with BS EN 60529:1992 or equivalent).
3. The device must be able to be stored at 0 - 40 degrees C.
4. The device must be able to operate at 0 - 40 degrees C.
5. The device must be able to operate at non-condensing relative humidity levels of 10 - 95%.
6. The device must incorporate a realtime clock and/or the associated software must provide the ability for events to be time-stamped.
7. The device must have a life expectancy of at least 5 years.
8. Replaceable batteries and/or any other replaceable power sources for the device must have a shelf life of at least 3 years.
9. Replaceable batteries and/or any other replaceable power sources for the device must have a life expectancy of at least 2 years once inserted into the defibrillator.
10. The device must carry out analysis during CPR with no need to pause. There should be no requirement for delays in CPR for heart analysis to take place

**Category - Power**.

1. The device must be able to operate on a battery only basis.
2. The device must have a battery shock capacity minimum of 30 full discharges at the maximum energy your device operates at throughout the standard life of the battery.
3. The initial analysis time plus the time to charge and be ready to deliver initial shock must be a maximum of 15 seconds.

**Category - Warranty**.

1. The device must have a warranty of at least 4 years.
2. The battery and/or any other replaceable power source for the device must have a warranty of at least 3 years.

**Category - Data / Memory**.

1. The device must have the capability to store data on at least one of the following: PC Data Card or internal memory.

**Category - Facilities**.

1. The device must have simple controls which can be understood by a non-expert.
2. The device must have voice prompt ability in English including a safety message.
3. The device must have visual prompt ability.
4. The device must have biphasic waveform or a waveform of comparable efficacy.
5. The device must have automatic discharge control to safely discharge unit if charge not used (i.e. when device charged but patient not shocked).
6. The device must be able to shock VF and VT above 150 BPM.
7. The device must have impedance control.
8. The device must have a low battery level alarm or low battery level indicator.
9. The device must have an indicator confirming self-test success - i.e. indicates safe to use.
10. The device must be able to withstand daily cleaning with a detergent wash and disinfection using a range of nationally available generic disinfection agents without any detrimental effect.
11. There must be a carry case available for the device and related accessories.
12. The device must be compatible with the most recent Resuscitation Council (UK) and / or European Resuscitation Council Guidelines.
13. Average time from notification of unit error to repair, replacement or provision of a loan unit/consumables must be no more than five working days.
14. The device must not require any chargeable maintenance during its standard warranty period.

**Category - Accessories**.

1. The shelf life of the self-adhesive pads for this device for use on patients must be a minimum of 24 months from date of supply.
2. The pads must have the ability to be pre-connected.
3. The purchase price must include (as a minimum) one set of pads
4. Outdoor cabinets must have a minimum IP rating of IP65.