

Dated: 29 November 2021

STATEMENT OF USER REQUIREMENT**1. Title:**

To purchase Heartsine 360P (fully automatic) defibrillators (AED) to fulfil the Force D13.1 / D13.2 first aid kit requirements.

2. Need:

AED are required within D13.1 and D13.2 kits for each of the MDP's current operationally deployed vehicle and vessels. In addition, Firearms training teams have a requirement for operational and training kits to support firearms training events.

3. Customer Sponsor:

Ministry of Defence Police - Assistant Chief Constable (OD&C / Ops)

4. Users:

All uniformed armed officers of the Ministry of Defence Police (MDP) from Police Constable (PC) to Chief Inspector.

5. Background:

a. The MDP currently does not have sufficient D13 kits to cover all its operational deployments and training events, this creates a force risk due to the fact that should officers be required to engage with potentially lethal force, they have a duty of care under Article 2 of the Human Rights Act, to any colleagues, members of the public or subjects and will be expected to provide emergency first aid. All AFOs are trained to give such first aid, but currently many do not have the equipment to support this.

b. The same is true for firearms training events, either tactics training or live fire ranges. NFIs are required to provide emergency first aid to anyone injured during training.

c. Both of the above scenarios are a significant presentational risk to the force, the public and our customers expect that officers deployed operational or attending training will have access to the correct first aid equipment.

6. Requirement:

- a. Procurement of 154 defibrillators and 4 training units.

	Quantity	Unit costs	Total ex VAT
Defibrillators	154	£675	£103,950
Spare pads	308	£36	£11,088
Training units	4	£135	£540

Total including VAT = £138,693

7. Physical Characteristics:**a. Material:**

- Defibrillator housing / HeartSine Gateway: ABS, Santoprene
- Electrodes: Hydrogel, Silver, Aluminium and Polyester
- Disposable single-use combined 18V battery: Lithium manganese dioxide (LiMnO₂).

b. Dims/Weight: With Pad-Pak inserted and HeartSine Gateway, with batteries, attached size: 9.21 in x 7.25 in x 1.9 in (23.4 cm x 18.4 cm x 4.8 cm) / maximum weight 1.285kg**c. Features:**

- a. Easy-to-understand visual and voice prompts guide the rescuer through the entire resuscitation process, including CPR—a key link in the chain of survival.
- b. Analyses heart rhythm and automatically delivers a shock (if needed), eliminating the need for the rescuer to push a shock button.
- c. Sealed unit so there is no need for maintenance or loss of internal components.
- d. SCOPE biphasic technology, a low-energy escalating waveform, automatically adjusts for differences in patient impedance.
- e. IP56 rating - for protection against dust and water.
- f. Drop tolerance to 1m.
- g. Integrated battery and electrode single-use cartridge with a single expiration date.
- h. Self-test daily / weekly / monthly.
- i. Manufacturers indemnification.

8. Life expectancy of the requirement:

The AED has no manufacturers stated life expectancy but is covered by an 8-year manufacturer's warranty. The Pad-Pak — an integrated battery and electrode single-use cartridge has a single expiration date of 4 years.

9. Repair and maintenance:

Any repairs to be carried out under manufacturer's warranty.

10. In-service cleaning/maintenance:

HeartSine defibrillators come with a Pad-Pak — an integrated battery and electrode single-use cartridge with one expiration date, which simplifies AED maintenance.

11. Deployment approach:

Part of D13.1 / D13.2 first aid kits.

12. Disposal:

Current MOD approved and agreed process, for all AED. All serviceable AED can be re-issued as required.

13. Delivery:

All purchased equipment will be delivered to MDP Main Stores who will be responsible for issuing equipment to stations within Force. the delivery address is:

Main Stores
Building 84
Wethersfield
Braintree
Essex
CM7 4AZ.