

Carlton Scroop and Normanton-on-Cliffe Parish Council

Policy & Procedures Automated Emergency Defibrillator (AED)

This document is not a CPR or AED Training Manual more information on the use of AEDS and CPR can be found on the Parish website

2024

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1. Introduction

This document provides details of the Carlton Scroop and Normanton-on-Cliffe Parish Council (hereafter referred to as The Parish Council) Automated External Defibrillators (AED) installation and arrangements for its ongoing maintenance.

This document acts as an AED reference for occasions when village support personnel change – for example when Parish Councillors retire at the end of their periods of office, or different volunteers become involved in providing AED support.

There are three AED's installed in the Parish;

Normanton-on-Cliffe;

in a disused BT telephone kiosk located on Main Street, Normanton-on-Cliffe, NG32 3BH

Carlton Scroop;

Number 1 on the wall of the golf course building located on Charity Street, Carlton Scroop, NG32 3AT

Number 2 on the wall of the Village Hall, Newark Lane Carlton Scroop, NG32 3AR

The defibrillators are registered with the British Heart Foundation Circuit and as such East Midlands Ambulance Service (EMAS). EMAS can access, via the Circuit, the security cabinet digital lock release code. On receipt of an appropriate '999' call they will release the code to the requester.

The AED is publicised in the village using the Parish Council website alongside some first aid training video's .

The AED's employed in Carlton Scroop are 2x **LIFEPACK CR PLUS** manufactured by PHYSIO Control (now owned by Stryker) and supplied by aadefib.com.

The AED employed in Normanton-On-Cliffe is a **BENEHEART C2 Semi auto** manufactured by Mindray and supplied by aadefib.com.

2. Purpose of an AED

Sudden Cardiac Arrest (SCA) is a condition that occurs when the electrical impulses of the human heart malfunction, causing a disturbance in the heart's electrical rhythm called ventricular fibrillation (VF). This is an erratic and ineffective electrical heart rhythm which causes complete cessation of the heart's normal function of pumping blood, and if untreated will result in sudden death.

The most effective treatment for this condition is the administration of an electrical current to the heart by a defibrillator, delivered within a short space of time of the onset of VF.

If a shockable rhythm is detected, the AED will charge to the appropriate energy level and advise the operator when to deliver a shock. When the AED is connected to a patient, the

device automatically acquires and analyses the electrocardiogram (ECG) of the patient for the presence of Ventricular Fibrillation or Ventricular Tachycardia (also known as shockable rhythms). If a shockable rhythm is detected, the device automatically charges itself. Defibrillating shock is delivered when the SHOCK button is pressed.

3. The AED Installation

During 2015 the Parish Council agreed to assume responsibility for the AED's by undertaking to provide funding for its maintenance, and when required, its eventual replacement. The AED's have a warranty of 8 years (Carlton Scroop expiry March 2023, Normanton expiry 2031) appendix E. The asset is included on the Parish Register for insurance purposes.

Day to day support for the maintenance of the AED is provided by a group of village volunteers who form a *Village Defib Group*. Member details are provided in Appendix B.

The AED's are housed within a temperature controlled secure cabinet. Access to the cabinet is via a touch pad digital lock. (Appendix D) When the AED is required in emergencies the lock access code is provided by making a '999' telephone call to Emergency Services.

The lock code is also held by *Village Defib Group*, and the Parish Clerk. The code should not be put in the public domain.

The AED installation comprises the following components:

Normanton-on-Cliffe;

- Mindray Beneheart C2 Semi Automated Defibrillator. The operators manual can be found in Appendix C.
- Secure Cabinet, known as an Outdoor Defibrillator Store fitted with a stainless steel key pad lock. (Appendix D) The cabinet contains a low power heater to ensure the AED temperature is maintained.
- Telephone kiosk, which was purchased from BT complete with roof light and 240v mains supply for the AED cabinet.
- Various accessories. Appendix F provides further details.

Carlton Scroop – Charity Street and Village Hall

- LIFEPAK CR PLUS Automated External Defibrillator. The operators manual can be found in Appendix C.
- Secure Cabinet, known as an Outdoor Defibrillator Store fitted with a stainless steel key pad lock. (Appendix D) The cabinet contains a low power heater to ensure the AED temperature is maintained.
- Various accessories, such as replacement electrode pads. Appendix F provides further details.

4. Procedures

The Parish Council oversees the *Village Defib Group* who undertake a number of support tasks on a voluntary basis as detailed below:

(a) Record Keeping

Records will be kept of:

- Monthly maintenance checks – to be kept for 24 months
- Emergency defibrillator deployments for audit and evaluation purposes
- Details of any untoward incidents or concerns that may affect the overall integrity of the system.

At minimum a summary of the above should be provided annually to the Parish Clerk. The report should be made available for the Annual Village Meeting which is normally held during May.

(b) AED Maintenance

The AED 's performs a test on a weekly basis and each time it's turned on. In addition, it performs a more extensive monthly check to ensure its ready for use. However, it is vital that the AED, cabinet and AED accessories are checked monthly by a member of the *Village Defib Group* in accordance with the AED manufacturer's instructions.

Records of these checks are kept on a form as shown in Appendix F.

Each monthly check ensures at minimum that:

AED Cabinet

- The opening of the secure cabinet using the code
- The AED cabinet light works
- The AED Cabinet heater is available
- The AED cabinet is clean

The AED

- The AED is functioning and has no warnings on show
- The AED is clean and undamaged
- The AED has:
 - One set of in date defibrillation electrodes connected to the device

One Resuscitation kit containing;

- Gloves
- Razor
- Trauma shears

- Towel/Sponge
- 5 In date Skin Wipes
- Facemask

Following each check the individual should update the British Heart Foundation Circuit.

If the AED shows a fault or there is cabinet mains supply failure it must be reported to the Parish Clerk immediately.

Purchasing consumables, such as electrodes and batteries, can be obtained by contacting the supplier aadefib via the Parish Clerk. Consumables should be ordered 3-6 months in advance to allow time for delivery and ensure maximum availability of the defibrillators.

(c) Reinstating the AED after deployment

When the AED is deployed in an emergency it may be used by any member of the public or the Ambulance Service. They may therefore not be village residents in attendance during an emergency. The AED may also be used outside the village.

Whenever a '999' call for the release of the AED is made EMAS access the Circuit and provide the requester with the security cabinet digital lock release code. The Circuit has a real-time computer database for tracking AEDs and their current states – 'Available' or 'Unavailable'. When an AED is deployed it is immediately recorded as 'Unavailable'. This will automatically trigger an email alert to the relevant AED Guardian (Appendix B). This should be notified to the Parish Clerk and the Parish website updated indicating the defibrillator is 'Unavailable'.

EMAS will normally be in attendance following a '999' cardiac arrest call. They will take control of the AED and normally transfer the individual to an EMAS defibrillator. However, sometimes EMAS will take the defibrillator with them. There is a sticker on each defibrillator stating the contact details where this defibrillator needs to be returned to. EMAS will contact this individual to arrange return.

When the defibrillator is returned it must be made ready for use again. Therefore, before the AED is reinstated, it must be cleaned, tested, and all consumables used must be replaced. The AED contains an SD memory card. This is not used.

Once all the checks are completed satisfactorily the member of the *Village Defib Group* undertaking this must;

- Update the Circuit that it is back at its normal location and 'Available' for deployment;
- Inform the Parish Clerk with a summary of the actions taken and the requirement to order any further consumables;
- Inform villagers via the Parish Council website

The Guardian, in conjunction with the *Village Defib Group*, will use best endeavours to ensure maximum AED availability.

(d) Management of AED Faults

The appliance has several self-testing routines for determining the operational status of the defibrillator. If such tests continually fail and the AED is in a permanent alarm state, then the following actions must be undertaken by the relevant member of the *Village Defib Group*:

- Follow the instructions in the operating manual (Appendices C) and if this fails contact aadefib via the Parish Clerk to arrange a repair;
- Update the Circuit to advise them that the AED is not in working order and/or been returned to the manufacturer and is 'Unavailable';
- Inform the Parish Clerk;
- Alert villagers to the issue using Parish Council website.

When the AED is back in operational use:

- Update the Circuit that it is back at its normal location and 'Available' for deployment;
- Inform the Parish Clerk with a summary of the actions taken and the likely cost, if known;
- Inform villagers via the Parish Council website.

(e) Telephone Kiosk Maintenance

Undertake checks on the integrity of the telephone kiosk, its cleaning, and mains supply. This should be undertaken monthly and forms part of the monthly checks in appendix G.

(f) AED User Training

The use of the AED does not require formal training however, information on CPR and the AED use are available on the Parish Council website. This website provides details of CPR training using a website link to the St Johns Ambulance Service videos.

5. Legal Issues

This guidance is provided primarily for members of the Parish Council. Information is based on material published by the Resuscitation Council UK in April 2018 (Appendix A).

*For the management of people suffering sudden cardiac arrest (SCA):
CPR and the use of an automated external defibrillator (AED) can significantly increase survival chances in these circumstances if performed promptly. AEDs are often provided in*

public places and can be safely used by untrained members of the public while waiting for an ambulance.

The likelihood of causing harm by performing CPR or using an AED is very small indeed. Nevertheless, there has been some concern that should an attempt to resuscitate someone having a suspected SCA result in harm, a legal claim could be brought against the rescuer. To date, there has been no reported successful claim to this effect.

The Resuscitation Council (UK) states that to minimise liability risks we should follow good practice.

From a Parish Council perspective the following are of particular relevance:

- Keep training and associated support material up to date;
- Keep equipment well maintained in accordance with the manufacturer's recommendations;
- Ensure TPC public liability insurance covers the use of an AED for resuscitation.

6. Appendix A: References

1. The Circuit - Individual Village defib members have their own logins. Jo Worrell is the current guardian. (N0cCsLifepak!)
2. Supplier – aadefib contact details aadefib.com, Andrew Deptford, The Barns, Swaton, Sleaford Lincolnshire NG34 0JP. Tel: 01529 421111 Email: andrew@aadefib.com
3. East Midlands Ambulance Service Contact: Conor McClland County Co-ordinator and Training Officer Lincolnshire and Northamptonshire. Tel: 07817 454417 Email: conor.mcclland@emas.nhs.uk or conor.mcclland@nhs.net
4. Newark Community First Aid Tel: 07973904808 Email: newarkcommunityfirstaiders@hotmail.com Website: www.newarkcommunityfirstaid.co.uk

5. Normanton- on- Cliffe Defibrillator

| | |
|-------------------------------------|--|
| Make | MINDRAY |
| Model | BENEHEART C2 Semi auto |
| Manufacturer | SHENZHEN MINDRAY BIO-MEDICAL ELECTRONICS CO., LTD. |
| Manufacture date | 03/01/2023 |
| Product Number | 0654B-XA00003 |
| Serial Number | AE7-2C074045 |
| Supplier | aadefib |
| Location | disused BT telephone kiosk located on Main Street, Normanton-on-Cliffe, NG32 3BH |
| Cabinet | Outdoor Model 4000 Polycarbonate Defibrillator Cabinet DFS4KLLE-V |
| Cabinet Manufacturer | CE TEK |
| Cabinet serial Number | DFS4K-22-8133 |
| Cabinet and emergency key lock code | C159X |

6. Carlton Scroop Defibrillator – Charity Street

| | |
|-------------------------------------|--|
| Make | LIFEPAK |
| Model | CR Plus |
| Manufacturer | PHYSIO CONTROL |
| Manufacture date | 2015 |
| REF | 99403-000164 |
| Product Number | 3200731-029 |
| Serial Number | 43300329 |
| Supplier | aadefib |
| Location | wall of the golf course building located on Charity Street, Carlton Scroop, NG32 3AT |
| Cabinet | Outdoor Model 4000 Polycarbonate Defibrillator Cabinet DFS4K442LLE-Y |
| Cabinet Manufacturer | Defib store |
| Cabinet serial Number | DFS4K-24-15908 |
| Cabinet and emergency key lock code | C159X |

Carlton Scroop – Village Hall

| | |
|-------------------------------------|---|
| Make | LIFEPAK |
| Model | CR Plus |
| Manufacturer | PHYSIO CONTROL |
| Manufacture date | 2015 |
| REF | 99403-000164 |
| Product Number | 3200731-029 |
| Serial Number | 43300337 |
| Supplier | aadefib |
| Location | Village Hall Carlton Scroop |
| Cabinet | Outdoor Model 4000 Polycarbonate Defibrillator Cabinet DFS4K442LLE-Y |
| Cabinet Manufacturer | Defib store |
| Cabinet serial Number | DFS4K-24-15909 |
| Cabinet and emergency key lock code | C159X |

7. *AED Guide* -pub' by ResuscitationCouncil (UK)AED_Guide_01-08-17.pdf

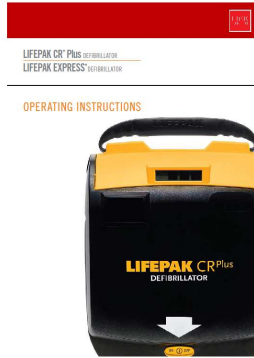
8. *Cardiopulmonary resuscitation, automated defibrillators and the law* – pub by Resuscitation Council UK (2018) CPR_AEDS_and_the_law.pdf

7. Appendix B: Village Defib Group members

Members Email address

| Name | Email | Village |
|--------------------------------------|-------------------------------------|---------------------|
| Jo Worrell (Also the named Guardian) | Jo@carltonscroopnormanton-pc.gov.uk | Normanton-on-Cliffe |
| Nigel Hill | nhillpms@aol.com | Carlton Scroop |
| | | |
| | | |
| | | |
| | | |

8. Appendix C: AED Operational Manual Physio Control LIFEPAK



Mindray Beneheart C2




BeneHeart-C-and-S-series-ops-manual-(En)

9. Appendix D: AED Cabinet Information



Ce-Tek Cabinet
Model 4000 (Poly) Ins

10. Appendix E: AED Warranty Information Physio Control - LIFEPAK

|  Limited Warranty | |
|---|--|
| US/Latin America/South America <small>Subject to the limitations and exclusions set forth below, the following Physio Control products which are purchased from authorized Physio Control representatives or authorized resellers for use in the United States of America, Latin America and South America and are used in accordance with the instructions, will be free from defects in material and workmanship appearing under normal service and use as defined below.</small> | |
| Equipment: <ul style="list-style-type: none"> New LIFEPAK CR Plus automated external defibrillator and internal battery system | |
| Five Year: <ul style="list-style-type: none"> New LIFEPAK-15 monitor/defibrillator, manual, used in clinic and hospital settings exclusively with no use in mobile applications New LIFEPAK-10 defibrillator/manual, used in clinic and hospital settings exclusively with no use in mobile applications New LIFEPAK-20 defibrillator/monitor family of products, used in clinic and hospital settings exclusively with no use in mobile applications New LIFEPAK-1000 defibrillator New LIFEPAK EXPRESS automated external defibrillator and internal battery system | |
| Two Year: <ul style="list-style-type: none"> Charging system "kit only" for use with the LIFEPAK EXPRESS defibrillator/monitor New LIFEPAK 1000 (only) | |
| One Year: <ul style="list-style-type: none"> New LIFEPAK-10 monitor/defibrillator system, which includes use in rural and mobile applications New LIFEPAK-1000 Chest Compression System New LIFEPAK-500T (only) New LIFEPAK-500 (only) New Internal Battery System for LIFEPAK-20 defibrillator/monitor family of products New Battery charging systems and power adapters New defibrillator and battery packs, including CHARGE-PRO Charging Kit New Maximo 1000 Hospital grade battery system New TuoCPR™ Coaching Device | |
| 180 Days: <ul style="list-style-type: none"> New Maximo patient cables and Maximo SET (up to) my reusable sensors | |
| 90 Days: <ul style="list-style-type: none"> New CHARGE-PRO Charging Kit (external system) for LIFEPAK CR Plus defibrillator Installed customer repair parts All other product accessories | |
| 30 Days: <ul style="list-style-type: none"> New Internal packs and internal packs/handles <small>(continued on back)</small> | |

stryker

11. Appendix F: AED Maintenance Checklist – Monthly Carlton Scroop

| UNIT - | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AED CABINET | | | | | | | | | | | | |
| The opening of the secure cabinet using the code | | | | | | | | | | | | |
| The AED cabinet is clean | | | | | | | | | | | | |
| The AED cabinet heater is working | | | | | | | | | | | | |
| AED | | | | | | | | | | | | |
| The AED is clean and undamaged | | | | | | | | | | | | |
| The AED is functioning and has no warnings on show | | | | | | | | | | | | |
| One set of in date defibrillation electrodes connected to the device | | | | | | | | | | | | |
| Gloves | | | | | | | | | | | | |
| Razor | | | | | | | | | | | | |
| Trauma Shears | | | | | | | | | | | | |
| Towel/sponge | | | | | | | | | | | | |
| Skin Wipes | | | | | | | | | | | | |
| Facemask | | | | | | | | | | | | |
| BHF Circuit updated | | | | | | | | | | | | |

Comments/Corrective actions

Name

Signature

Date

Appendix F: AED Maintenance Checklist – Monthly Normanton-on-Cliffe

| UNIT - | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AED CABINET | | | | | | | | | | | | |
| The opening of the secure cabinet using the code | | | | | | | | | | | | |
| The AED cabinet is clean | | | | | | | | | | | | |
| The AED cabinet heater is working | | | | | | | | | | | | |
| AED | | | | | | | | | | | | |
| The AED is clean and undamaged | | | | | | | | | | | | |
| The AED is functioning and has no warnings on show | | | | | | | | | | | | |
| One set of in date defibrillation electrodes connected to the device | | | | | | | | | | | | |
| Gloves | | | | | | | | | | | | |
| Razor | | | | | | | | | | | | |
| Trauma Shears | | | | | | | | | | | | |
| Towel/sponge | | | | | | | | | | | | |
| Skin Wipes | | | | | | | | | | | | |
| Facemask | | | | | | | | | | | | |
| TELEPHONE KIOSK | | | | | | | | | | | | |
| Clean and Dry | | | | | | | | | | | | |
| Electrical works are appropriately protected | | | | | | | | | | | | |
| BHF Circuit updated | | | | | | | | | | | | |

Comments/Corrective actions

Name

Signature

Date

