Schola Europaea
European School of Mol
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Date: 28/09/2026

TENDER SPECIFICATIONS

- TECHNICAL - part 2

Procedure No 2026_01

SUPPLY AND MAINTENANCE OF AUTOMATED EXTERNAL DEFIBRILLATORS (AED)

Type of procedure: **Negotiated procedure for low-value contracts**

Estimated Value: **60.000,00€**

Award method: **best value for money**

Type of contract: **framework contract**

Contracting authority: **European School of Mol (ESMOL)**

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1. PURPOSE AND SCOPE

The contracting authority of the European School Mol intends to purchase and maintain **eight (8) automated external defibrillators (AEDs)** for use in a school environment, including indoor and outdoor areas.

The contract shall include:

- Supply of a minimum of 12 AED units.
- Supply of all accessories and consumables.
- Delivery and installation.
- Initial functional testing.
- User documentation and signage.
- Warranty and after-sales support.
- Preventive and corrective maintenance.
- Replacement of consumable components during the contract period.

The equipment shall be suitable for use by trained school staff and other authorised users in emergency situations.

2. GENERAL REQUIREMENTS

Each AED shall:

- Be a new, unused medical device.
- Be suitable for use in educational and public-access environments.
- Be available in either semi-automatic or fully automatic configuration.
- Be designed for use by trained non-medical personnel.
- Provide clear audio and visual instructions throughout the resuscitation procedure.
- Be capable of operating in Dutch and English.
- Allow the user to select or change the operating language in accordance with the manufacturer's approved configuration.
- Be supplied with all components necessary for immediate operation.
- Comply with all applicable European Union legislation and technical requirements applicable on the date of delivery.

3. MINIMUM TECHNICAL REQUIREMENTS

3.1 Defibrillation function

The AED shall:

- Automatically analyse the patient's cardiac rhythm.
- Determine whether a defibrillation shock is indicated.
- Prevent the delivery of a shock when the analysed rhythm is not shockable.
- Provide audible and visual instructions during rhythm analysis, charging, shock delivery and cardiopulmonary resuscitation.
- Use an energy delivery profile appropriate for adult patients and compliant with applicable medical-device requirements.
- Provide a controlled and clinically appropriate escalation or adjustment of energy where required by the device algorithm.

- Include safeguards against unintended shock delivery.

The device shall comply with applicable standards and regulatory requirements for automated external defibrillators.

3.2 Cardiopulmonary resuscitation guidance

The AED shall provide real-time or step-by-step guidance for cardiopulmonary resuscitation, including, where applicable:

- Instructions to commence or resume chest compressions.
- Guidance concerning compression rate.
- Guidance concerning compression depth, where supported by the device.
- Audible and/or visual prompts.
- Clear indication of when the user must refrain from touching the patient.

Where the device provides feedback on CPR performance, that feedback shall be understandable to a trained lay rescuer and shall not interfere with the safe operation of the AED.

3.3 Patient electrodes

Each AED shall be supplied with:

- At least one complete set of adult electrodes.
- A compatible solution for use with paediatric patients, either through dedicated paediatric electrodes or an integrated paediatric operating mode.
- Electrodes that are clearly identified and easy to apply.
- Electrodes supplied in sealed packaging.
- Electrodes with an expiry date clearly indicated on the packaging.
- Electrodes compatible with the supplied AED without the need for adapters or additional equipment.

The contractor shall state the expected shelf life of the electrodes and the recommended replacement interval.

3.4 battery

Each AED shall be supplied with a battery suitable for emergency use and shall:

- Include a battery-status indicator.
- Provide a clearly identifiable low-battery warning.
- Support the device's automatic self-test functions.
- Have a minimum expected standby life of four years under normal storage conditions, or the longest period technically available for the proposed device.
- Be replaceable without requiring specialised tools, unless the contractor clearly demonstrates an equivalent or superior solution.
- Be accompanied by instructions for safe storage, replacement and disposal.

The contractor shall state:

- The expected standby life.

- The expected number of shocks or operating duration.
- The replacement price.
- The recommended replacement interval.
- Whether the battery is rechargeable or non-rechargeable.

3.5 Automatic self-testing

The AED shall perform automatic self-tests at appropriate intervals, including, as applicable:

- Battery condition.
- Electronic circuits.
- Defibrillation system.
- Electrode connection or availability.
- Internal software and operational readiness.

The equipment shall provide a visible and/or audible indication of operational readiness and shall clearly identify a fault condition.

The contractor shall describe the self-test frequency and the alerts generated in the event of a malfunction.

3.6 Data recording and transfer

The AED shall record relevant event data, including, where applicable:

- Date and time of activation.
- Cardiac rhythm analysis.
- Device warnings and prompts.
- Defibrillation shocks delivered.
- CPR-related information.
- Technical or error messages.

The device shall be capable of storing at least **90 minutes of event data**, or the maximum capacity available for the proposed equipment if greater.

Recorded data shall be exportable using a standard or commonly available data-transfer method. Any required software, cable or interface shall be supplied at no additional cost where necessary to access the recorded information.

The contractor shall specify:

- The format of the stored data.
- The method of data transfer.
- Any software requirements.
- Any applicable data-protection and cybersecurity measures.

3.7 Environmental protection

The AED shall be suitable for use in indoor and outdoor school environments and shall have:

- A minimum ingress protection rating of **IP55**, or an equivalent or higher level of protection against dust and water.
- An operating temperature range suitable for the intended installation locations.
- A storage temperature range suitable for the intended installation locations.
- Resistance to normal handling, transport and relocation within the school premises.

The contractor shall specify the applicable operating and storage conditions.

3.8 Dimensions and weight

The equipment shall be sufficiently compact and lightweight to permit rapid transport and use by trained school staff.

The contractor shall provide:

- External dimensions.
- Weight including battery and standard adult electrodes.
- Weight including all normally installed accessories.
- Any restrictions concerning wall mounting, carrying cases or storage cabinets.

No specific dimension or weight is prescribed, provided that the proposed AED is practical for the intended school environment.

3.9 languages

The AED shall provide operational instructions in:

- Dutch.
- English.

The instructions shall be available in both audio and visual form were supported by the equipment.

The user documentation shall also be supplied in Dutch and English, either in printed or electronic format.

4. ACCESSORIES AND SUPPLEMENTARY EQUIPMENT

Each AED shall be supplied with the following, as a minimum:

- One complete set of adult electrodes.
- One compatible paediatric solution.
- One operational battery.
- Carrying case or protective storage solution.
- First-aid kit containing, as a minimum:
    - Disposable gloves.
    - Resuscitation face shield or pocket mask.
    - Scissors.
    - Absorbent wipes or suitable cleaning materials.
    - Disposable razor or equivalent equipment where necessary for electrode application.
- Wall or location signage.

- Instructions for use.
- Quick-reference guide.
- User manual in Dutch and English.
- Maintenance and inspection instructions.
- Equipment identification label.
- Any accessories necessary for immediate and safe operation.

If the AED requires a specific wall cabinet, mounting system, alarm, heating element or environmental protection accessory for the proposed installation location, the contractor shall identify and include it in the tender price.

5. REGULATORY AND CONFORMITY REQUIREMENTS

The contractor shall provide evidence that the proposed AED:

- Bears the applicable CE marking.
- Complies with the applicable provisions of the European Union Medical Device Regulation and any other relevant EU legislation in force at the time of delivery.
- Is supplied with an EU Declaration of Conformity.
- Is supported by instructions for use and safety information.
- Is legally marketed and authorised for the intended use within the relevant European Economic Area market.
- Is accompanied by the applicable conformity-assessment documentation.

The contracting authority may request copies of technical documentation, certificates, declarations or other evidence demonstrating compliance.

6. DELIVERY, INSTALLATION AND COMMISSIONING

Delivery shall take place within **eight (8) to twelve (12) weeks** of the contract award or receipt of the purchase order, unless another period is agreed in writing.

The supplier shall:

- Coordinate delivery with the safety officer of the school.
- Deliver the equipment to the locations specified by the contracting authority.
- Install or position the AEDs where required.
- Carry out an operational and functional test for each unit.
- Verify battery and electrode status.
- Verify language settings.
- Verify the self-test and readiness indicators.
- Provide basic instructions concerning activation, storage and reporting of faults.
- Remove packaging and delivery waste.
- Provide a delivery and commissioning report.

The delivery report shall include, as a minimum:

- Equipment description.
- Serial number of each AED.
- Battery and electrode expiry dates.
- Date of delivery.

- Date of commissioning.
- Warranty start date.
- Location of each device.
- Name of the person responsible for the installation or commissioning.
- Any identified limitations or recommendations.

7. WARRANTY

The AEDs shall be covered by a manufacturer's or supplier's warranty of at least **eight (8) years**, commencing on the date of acceptance or commissioning.

The warranty shall cover, at a minimum:

- Defects in materials and workmanship.
- Electronic and mechanical failures.
- Replacement or repair of defective equipment.
- Labour and transport costs.
- Technical support related to warranty-covered failures.

The contractor shall state clearly:

- The duration and scope of the warranty.
- Any exclusions.
- The procedure for reporting a defect.
- The applicable response and repair times.
- Whether a loan unit will be provided when repair cannot be completed within the agreed period.

8. MAINTENANCE SERVICES

The supplier shall provide full preventive and corrective maintenance for all the period of four 4 (three (3) years remaining after installation), with the possibility of annual renewal up to a maximum period of eight years, subject to the applicable contractual and budgetary provisions.

The maintenance service shall include:

- Annual inspection of each AED.
- Verification of operational readiness.
- Verification of battery condition.
- Verification of electrode condition and expiry dates.
- Verification of self-test results.
- Inspection of accessories and protective equipment.
- Functional testing in accordance with the manufacturer's instructions.
- Application of software or firmware updates where applicable.
- Replacement of consumable items before expiry.
- Replacement of defective or exhausted batteries and electrodes.
- Corrective intervention following a reported malfunction.
- Maintenance records for each individual AED.
- Annual maintenance report for the contracting authority.

The supplier shall not charge additional costs for parts, labour, travel or transport where those costs are included in the agreed full-service price.

9. SERVICE LEVELS

The supplier shall provide a support service available **24 hours a day, seven (7) days a week** for critical failures affecting the operational availability of an AED.

The following minimum response times shall apply:

- Critical failure: response within four hours of notification.
- Non-critical failure: response within 48 hours of notification.

For the purposes of this specification, a critical failure includes:

- Inability to switch on the AED.
- Failure of the self-test indicating that the device is not ready for use.
- Failure of the defibrillation function.
- Missing or unusable electrodes.
- Battery failure preventing operation.
- Any fault that prevents the safe use of the equipment in an emergency.

Where an AED cannot be returned to service within the agreed period, the supplier shall provide a replacement unit of equivalent or superior functionality at no additional cost.

The contracting authority may include contractual service credits or penalties for failure to meet the agreed response times.

10. TRAINING AND INFORMATION

The supplier shall provide an initial familiarisation session for designated school staff.

The session shall cover, at a minimum:

- Safe activation and use of the AED.
- Recognition of the device's audio and visual instructions.
- Application and replacement of electrodes.
- Use of the paediatric function or paediatric electrodes.
- Battery and electrode expiry monitoring.
- Daily or routine visual checks.
- Reporting of faults.
- Storage and environmental requirements.
- Procedure for accessing recorded event data.

The contractor shall indicate:

- The proposed training format.
- The duration of the session.
- The maximum number of participants per session.
- Whether additional sessions are available.
- The cost of any additional training.

11. CONTRACT ADMINISTRATION

The initial contract term shall be **four (4) years**.

The contracting authority may renew the maintenance services annually, subject to:

- Satisfactory performance.
- Availability of budget.
- Continued operational need.
- Compliance with the applicable procurement and contractual rules.

Any renewal shall be confirmed in writing by the contracting authority.

The notice period for non-renewal shall be three months before the end of the current contractual period, unless otherwise provided in the contract.

The supplier shall nominate a contract manager and provide:

- Name and contact details.
- Emergency telephone number.
- Email address for service requests.
- Procedure for reporting failures.
- Escalation procedure for unresolved incidents.

12. PRICE SUBMISSION

The contractor shall submit a clear and detailed financial offer.

The price shall be stated:

- AED unit, including required accessories, delivery and installation, initial commissioning and testing, training, software, licences, cables or data-transfer equipment required for normal operation, taxes, duties, transport and other charges, etc. (Estimated first purchase: 12 units)
- For annual preventive and corrective maintenance, including replacement batteries and electrodes.

The contractor shall also provide:

- The price of an additional AED unit.
- The price of replacement adult electrodes.
- The price of the paediatric solution.
- The price of a replacement battery.
- The price of any additional training session.
- The price of any optional cabinet, alarm or mounting equipment.
- Any price-indexation mechanism applicable during the renewal periods.