



Medical device - definition

'Medical device' means any instrument, apparatus, appliance, software, material or other article, whether used alone or in combination, including the software intended by its manufacturer to be used specifically for diagnostic and/or therapeutic purposes and necessary for its proper application, intended by the manufacturer to be used for human beings for the purpose of:

diagnosis, prevention, monitoring, treatment or alleviation of disease,
 diagnosis, monitoring, treatment, alleviation of or compensation for
 an injury or handicap.

— investigation, replacement or modification of the anatomy or of a physiological process,

— control of conception, and which does not achieve its principal intended action in or on the human body by pharmacological, immunological or metabolic means, but which may be assisted in its function by such means;







Medicines & Healthcare products Regulatory Agency	<u> ⊚ MHRA</u>	Main Content of the Guidance:
Managing Medical Devices Gutare to heathcare and local services organizations April 2015		Systems of management Acquisition and selection of devices Clinical investigations Receiving a new device Training Instructions for use Maintenance and repair Decontamination Decommissioning Legislation
The lecture is based on t	he UK Guidance	<u>Also additional activities - more detail:</u> Need and Specification Tendering Acceptance testing Quality Assurance





The device records should provide evidence of:

- a unique identifier for the device, where appropriate
- the purchase price of the equipment
- a full history, including date of purchase and where appropriate when it was put into use, deployed or installed
- any specific legal requirements and whether these have been met
- proper installation and where it was deployed
- schedule and details of maintenance and repairs
- the end-of-life date, if specified.

Healthcare organisations must ensure records are kept of training of users of medical devices. These should show that users:

- know how to use the device safely
- can carry out routine checks and maintenance
- · have been trained and had relevant refresher training
- are confident and/or competent to use devices in their areas of work.



Receiving a new device Acceptance checks/tests Record keeping Skills required for, and scope of, checks and tests Delivery checks • Paperwork • Visual inspection • Configuration • Functioning test • Calibration and measurements Safety test limits

Special considerations

- Risk assessment before first use
- Legal requirements in relation to electrical safety testing
- Other

Maintenance and repair

Management policy for medical devices

- How each device should be maintained and repaired, and by whom
- Arrangements for maintenance/repair part of the assessment process
- Arrangements for the most suitable providers to carry out the work
- Arrangements to ensure items subject to inspection, maintenance, repair or disposal should be decontaminated
- The timescale for planned maintenance
- The timescale for repairs to be completed
- Maintenance databases

Choosing appropriate maintenance and repair services

- manufacturer service organisation
- authorised service agents
- · generic/third-party service providers
- in-house maintenance departments
- users.

The service contract

• reference to manufacturer's written instructions

• availability, source and traceability of spare parts

- notification of any changes, including the use of alternative spare parts or methods
 training of staff
- quality management systems
- requirement for adequate record keeping
- who is responsible under information governance when third parties and manufacturers are taking patient data from the premises

use of sub-contractors

response times

loan devices

• disposal of obsolete devices, parts and waste.

Spare parts and other components

- the device manufacturer
- other manufacturers
- healthcare organisations
- service providers

Legislation

- pre-used.
- Planned preventive maintenance
- Legal liabilities and Insurance

Training

Policy on training

- Adequate training programmes generic and specific (periodic review).
- How will training be delivered (face-to-face, e-learning)?
- Is it competency based?
- Who should receive the training offered by the manufacturer or supplier?
- Inclusion of new staff, agency, locum staff, contractors, engineers, etc.
- Continuing professional development.
- Training for service end users and carers.
- Planned training before a new medical device is introduced to the organisation.
- Appropriate record keeping of training both centrally and by individuals.
- Access to manufacturer's instructions for all users.
- Have you considered future training needs (in-house or by the manufacturer)
- How will training updates be managed for device/software upgrades?
- How will end users or staff in the community be trained?

Training (continue) Training for professional users Training for end users Training for repair and maintenance service providers Documentation Instructions for use Decontamination Decommissioning and disposal of devices Stress in Metodal Persons and Beneroscal Ex-**MEDICAL EQUIPMENT** Planning for replacement MANAGEMENT Replacement criteria Decommissioning Disposal Sale or donation for reuse Liability issues Refurbishment Keith Willson - Keith Ison - Slavik Tahakor

