



CHS208 Repair medical devices, equipment and associated systems within healthcare

OVERVIEW

This standard relates to the repair activities following the diagnosis of remedial faults for the range of equipment, medical devices and their associated systems within a range of environments. It may be performed by a healthcare individual or an external contractor. Individuals will be assessed against the standard for each type of equipment within the scope of their normal work activity. Users of this standard will need to ensure that practice reflects up to date information and policies. Version No 1

KNOWLEDGE AND UNDERSTANDING

You will need to know and understand:

1. your own level of competence, authority and specialist knowledge base related to the repair of diagnosed faults
2. the range of stakeholders involved, their information needs, roles and responsibilities
3. the range of health and safety measures, infection prevention and control, environmental factors and personal protective equipment, their importance and application in the repair process
4. the principles of operation of equipment, medical devices and the associated systems, their intended use, capabilities and limitations within your responsibility
5. the expected performance parameters, capabilities and limitations and the common faults of the range of items within your area of responsibility
6. how to access the recommended repair strategies based on the diagnosed faults on the whole item or component parts
7. the factors affecting decisions on the repair activity including urgency, time, impact on services and other available equipment
8. the procedures for withdrawing an item of equipment or medical device for repair where required and the contingency plans in place to support clinical effectiveness
9. how to communicate effectively in the appropriate medium to meet the individuals' needs and preferences when an item requires repair or needs to be withdrawn from service
10. the range of technologies and measurements required within the repair schedule, and the relevant protocols and procedures applicable to the conducting the repair within your work practice
11. the expected performance parameters of item or component part being repaired
12. the importance of and the type and range of records required for documenting repair

- activities and how to do this
13. how to seek advice or support from relevant others when the required repair activity and associated costs falls outside your competence and level of responsibility
 14. the current national legislation, guidelines, local policies and protocols which affect your work practice
 15. the policies and guidance that clarify your scope of practice, accountabilities and the working relationship between yourself and others

PERFORMANCE CRITERIA

You must be able to do the following:

1. work within your level of competence, responsibility and accountability
2. apply appropriate health and safety measures, infection prevention and control and personal protective equipment during the repair process
3. check the decontamination status of the item prior to acceptance for repair
4. confirm all the necessary documentation is complete and available for the item to be repaired, where applicable remove item to repair environment
5. clarify any issues affecting the required repair and their impact on delivery of services with relevant stakeholders
6. where appropriate, suggest alternative contingency arrangements to maintain clinical services whilst the item is out of service
7. access relevant data from technical or supporting manuals to assist with the repair
8. check all component parts are available for the repair and take appropriate action for ordering any specific components parts
9. identify the required tools and equipment and check they are in a safe working order
10. repair the item or component using the appropriate methodology and tools in line with local policies and protocols
11. test the repaired equipment against expected operational parameters to confirm operational status of equipment
12. carry out suitable decontamination /cleaning procedures post repair and inform the user that the item is ready for re-issue
13. where applicable, inform users of reasons for fault, action taken and how to avoid re-occurrence
14. maintain full, accurate and legible records of information and store in correct location in line with current legislation, guidelines, local policies and protocols

ADDITIONAL INFORMATION

This National Occupational Standard was developed by Skills for Health. This standard links with the following dimension within the NHS Knowledge and Skills Framework

(October 2004):Dimension: EF1 Systems, vehicles and equipmentThis standard has replaced HCS_EMD7, HCS_RC4 and HCS_REHAB5