SFHRT10
Carry out routine repairs to custom made devices

Overview

This standard covers the actions required to routinely repair a custom made device. It requires an assessment of the condition of the device to enable the appropriate corrective action to be identified and carried out. This standard is relevant to any rehabilitation technician engaged in the repair of custom made devices. Users of this standard will need to ensure that practice reflects up to date information and policies.

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Performance criteria

You must be able to:

P1 confirm device against the job sheet/order and identify when the device was made and who it was made for

P2 ensure that the device and components are sufficiently clean to allow you to work on them safely and report to the relevant person for decision:
- P2.1 on any device that needs to be returned to the service user for decontamination
- P2.2 on any device that may be decontaminated in-house

P3 assess the device and make a justifiable decision as to whether:
- P3.1 it is repairable
- P3.2 it is beyond repair

P4 report any devices beyond repair to the relevant person in line with organisational

P5 handle devices in a manner which minimises the likelihood of losing or mixing components with components from other devices

P6 form into the correct relationship those components of the device which it is possible to reassemble and fix them together

P7 replace any components that are not capable of being reused from the damaged device

P8 assemble the components and fix them securely together

P9 use an appropriate method to achieve the optimum repair in line with organisational requirements and manufacturers specification

P10 confirm that the repaired device:
- P10.1 complies with the prescription
- P10.2 is clean
- P10.3 is free of defects

P11 use working methods and systems throughout the process which:
- P11.1 promote health and safety
- P11.2 reduce the risk of infection and contamination
- P11.3 are consistent with the assessed risks

P12 clearly and accurately identify the device with the service user's unique reference and date of repair

P13 make complete, accurate and up-to-date records relating to the repair and store records in the correct location consistent with relevant legislation

P14 prepare and package the repaired device safely for despatch and return it to the relevant person at the agreed time

P15 report any adverse incidents in line with organisational requirements

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Knowledge and understanding

You need to know and understand:

K1 the reasons for maintaining records throughout the process and of clearly identifying the products during the manufacturing process

K2 the organisational procedures and requirements for the recording of information about incoming work, work in progress and work delivered, and the purpose of this

K3 quality audit systems, their purpose, nature and procedures, impact of the relevant regulatory body, currently the Medicine and Healthcare Regulatory Authority, on the recording of incoming work, the detailed design and manufacturing specification and the recording of materials and processes

K4 the principles of quality assurance, processes and procedures for quality assurance in your workplace

K5 the methods used for setting and calibrating equipment and of testing that this is correct

K6 the effects of modifying manufacturers' components and products to meet production/usage requirements on the physical properties of the components/products and the legal implications

K7 the relevant regulatory body, currently the Medicine and Healthcare Regulatory Authority, in monitoring the progress of devices through the production process

K8 health and safety at work legislation and related procedures and liability, principles of, and how to apply legislation and regulations

K9 the characteristics, properties and the processing of the following commonly used materials:

- K9.1 metals
- K9.2 plastics: thermoforming, thermosetting, composites
- K9.3 wood
- K9.4 leather
- K9.5 plaster of Paris
- K9.6 adhesives
- K9.7 fabrics
- K9.8 foams
- K9.9 other materials

K10 the following:

- K10.1 hand tools: their selection, use and maintenance
- K10.2 measuring instruments: use and methods of application
- K10.3 machine tools: selection, installation, use and maintenance
- K10.4 welding processes and equipment for metals and plastics
- K10.5 sewing machines: selection, use and maintenance
- K10.6 general equipment: ovens, compressors, vacuum formers, fume and dust extraction apparatus

K10.7 workshop layout
K10.8 health and safety regulations and practice
K10.9 computers, including CAD/CAM

K11 basic awareness of the musculo-skeletal system

K12 anatomical terminology in relation to prosthetics/orthotics/special seating

K13 the pathological conditions giving rise to prosthetic/orthotic/special seating provision and the relevant terminology

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Additional Information

External links

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: HWB9 Equipment and devices to meet health and wellbeing needs

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