SFHRT17
Carry out non-routine finishing of custom made devices

Overview

This standard covers the making of any non-routine adjustments identified at the fitting stage and with carrying out non-routine finishing processes to the device to make it ready for the delivery stage. The adjustments and finishing processes may be concerned with cosmetic appearance, comfort for the user and function to be performed. 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 that the device and supporting documentation are for the same service user
- P2 select methods, materials and equipment for finishing the final device that are appropriate to the type of device and the materials used to make it
- P3 assess the device and confirm that it is meets the prescription
- P4 make any necessary adjustments to achieve the prescription
- P5 finish the device to the required dimensions consistent with relevant anatomical features
- P6 examine the fit surface and remove any processing anomalies and rough surfaces that could cause discomfort to the service user
- P7 evaluate the finished device for:
  - P7.1 its quality and freedom from defects
  - P7.2 functional effectiveness to the design
  - P7.3 fit to the model
  - P7.4 compliance with the prescription
  - P7.5 cosmesis/aesthetic appearance
- P8 ensure all adjustments comply with the manufacturers specification
- P9 use working methods and systems throughout the process which:
  - P9.1 promote health and safety
  - P9.2 reduce the risk of infection and contamination
  - P9.3 are consistent with the assessed risks
- P10 correctly identify the finished device with the service user's unique reference and date of production
- P11 make complete, accurate and up-to-date records relating to the finishing of the device and store the records in the correct location consistent with relevant legislation
- P12 effectively clean the finished device, prepare and package it safely for despatch together with instructions for the service user and relevant person

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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 polystyrene;
- K9.10 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 the roles and responsibilities of the interdisciplinary team
K12 ethical considerations in rehabilitation technical services
K13 prosthetics/orthotics/special seating care systems in the UK
K14 the musculo-skeletal system
K15 anatomical terminology in relation to prosthetics/orthotics/special seating

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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: HWB10 Products to meet health and wellbeing needs

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