

## SFHRT7

### Carry out routine finishing of custom made devices



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#### Overview

This standard covers the making of any routine adjustments identified at the fitting stage and with carrying out 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 service user and function to be performed. This standard links with RT6 'Design and manufacture custom made devices to fitting stage to meet the prescription' – RT6 and RT7 may be carried out concurrently. 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 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

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- 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 basic awareness of 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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**Relevant occupations** Health and Social Care; Healthcare and Related Personal Services

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**Suite** Rehabilitation Technical Services

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