

## SFHGEN73 - SQA Code HD1G 04

### Prepare and reproduce permanent radiographic images



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#### Overview

This standard covers your role in relation to processing radiographic images, post-processing activities and quality assurance in relation to processing equipment and procedures. It includes the production and reproduction of original and duplicate images (such as copies, slides and miniatures) for all radiographic imaging modalities. This standard is designed to be applicable in all settings where permanent radiographic images are produced.

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 equipment is in good working order and fully operational prior to use
  - P2 operate and handle equipment, materials or systems safely and consistent with their purpose in a manner which will not damage them or increase the risk of defects in permanent radiographic images
  - P3 correctly select image production and reproduction processes and materials or systems according to the modality by which the image was acquired, the type of permanent radiographic image required and the materials or systems on which it is to be produced or stored
  - P4 monitor and maintain heating, lighting, ventilation and humidity at correct levels for the process and the materials being used
  - P5 identify and take immediate attention to remedy faults or minimise damage to equipment and materials where faults or breakdowns occur in equipment during use, and inform the appropriate person promptly
  - P6 confirm the quality of permanent radiographic images produces as meeting optimal standards
  - P7 investigate and record the reasons where the quality of permanent radiographic images does not meet optimal standards and take appropriate remedial action
  - P8 clearly and accurately label images where they are not automatically identified
  - P9 validate automatically generated labels against the individual's details
  - P10 prepare radiographic images correctly for distribution and sent promptly to the correct location

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### Knowledge and understanding

*You need to know and understand:*

- K1 the current European and National legislation, national guidelines, organisational policies and protocols in accordance with Clinical/Corporate Governance which affect your work practice in relation to preparing and reproducing permanent images
- K2 your responsibilities and accountability in relation to the current European and National legislation, national guidelines and local policies and protocols and Clinical/Corporate Governance
- K3 the duty to report any acts or omissions in care that could be detrimental to yourself, other individuals or your employer
- K4 the purpose of quality assurance monitoring
- K5 the types of faults which may appear in radiographic images during processing, the likely causes and remedial action which should be taken when poor images are produced
- K6 why images and other materials must be handled carefully and why images must be correctly identified and labelled
- K7 the types and amounts of materials to use with different processors and how these should be prepared and used
- K8 the appropriate equipment, materials and systems to use for different radiographic image production and reproduction processes and requirements, including different types and sizes of films and digital systems
- K9 why the quality of processing equipment and procedures must be regularly monitored
- K10 different image presentation and storage formats and when and how these should be used
- K11 the correct conditions such as light and ventilation for using and handling different image production and reproduction equipment and materials
- K12 the way in which different radiographic images react to light, the safe-light conditions for different films and how this relates to film emulsions
- K13 the purpose of different radiographic image processing methods and circumstances in which they should be used
- K14 the different stages of film processing and preparation
- K15 procedures associated with using different radiographic image production and reproduction equipment and materials
- K16 how to identify faults/breakdowns and the appropriate action to take
- K17 methods used to package radiographic images for distribution

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### Additional Information

#### External Links

This standard links with the following dimension within the NHS Knowledge and Skills Framework (October 2004):

Dimension: HWB6 Assessment and treatment planning

The candidate and assessor must only sign below when all Performance Criteria and Knowledge points have been met.

**Unit assessed as being complete**

<b>Candidate's Name:</b>	
<b>Candidate's Signature:</b>	
<b>Date submitted to assessor as complete:</b>	

<b>Assessor's Name:</b>	
<b>Assessor's Signature:</b>	
<b>Date assessed as complete:</b>	

**Internal Verification —**

to be completed in accordance with centre's IV strategy

<b>Evidence for this Unit was sampled on the following date/s:</b>	<b>IV's Signature</b>	<b>IV's Name</b>

This Unit has been subject to an admin check in keeping with the centre's IV strategy.

<b>Date of admin check</b>	<b>IV's Signature</b>	<b>IV's Name</b>

**Unit completion confirmed**

<b>IV's Name:</b>	
<b>IV's Signature:</b>	
<b>Date complete:</b>	