

SFHGEN77 - SQA Code HD48 04

Perform first line calibration on clinical equipment to ensure it is fit for use



Overview

This standard relates to first line calibration of specific equipment prior to clinical use. Individuals will be able to calibrate equipment for use in their own healthcare context. Individuals can use the standard for each type of equipment within the scope of their normal work activity. This is not intended for use following major repair or service.

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 run appropriate tests to confirm the operational status of equipment
 - P2 calibrate equipment for operation:
 - P2.1 using appropriate reference materials
 - P2.2 to within correct parameters for intended purpose
 - P2.3 against appropriate approved standards
 - P2.4 in line with required schedule
 - P3 verify accuracy, precision and operational effectiveness of equipment following appropriate procedures
 - P4 record the validity and reliability of calibration procedure conducted
 - P5 confirm that equipment is suitable and ready for intended use
 - P6 correctly identify equipment that does not meet calibration standards and take appropriate action to prevent inadvertent use
 - P7 notify appropriate others of the status of equipment on completion of calibration
 - P8 work within the limits of your competence and seek advice where necessary

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Knowledge and understanding

You need to know and understand:

- K1 relevant statutory, regulatory and legislative requirements, national standards and guidance
- K2 the relevant standard operating procedures, policies and their importance
- K3 limits of responsibility and when and where to seek advice
- K4 how and why to communicate effectively with appropriate others
- K5 the intended purpose, operational status and range of use of equipment
- K6 the importance of both accuracy and precision within calibration
- K7 the methods of first line calibration, and quality assurance
- K8 relevant reference materials
- K9 the significance of keeping calibration documentation
- K10 how to check for validity and reliability of tests conducted
- K11 the importance of comparisons between old and new techniques and related reference ranges, where relevant
- K12 the common faults in equipment and relevant corrective action
- K13 how to recognise factors which affect safety or risk associated with equipment use and relevant corrective action

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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: EF1 Systems, vehicles and equipment

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

Unit assessed as being complete

Candidate's Name:	
Candidate's Signature:	
Date submitted to assessor as complete:	

Assessor's Name:	
Assessor's Signature:	
Date assessed as complete:	

Internal Verification —

to be completed in accordance with centre's IV strategy

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

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

Date of admin check	IV's Signature	IV's Name

Unit completion confirmed

IV's Name:	
IV's Signature:	
Date complete:	