

## **FN9F 04 (GEN 77) Perform first line calibration on clinical equipment to ensure it is fit for use**

### **About this Unit**

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.

Your **knowledge and understanding** will be specifically related to legal requirements and codes of practice and conduct applicable to your job, and the NHS Knowledge and Skills Framework. This will relate to your work activities; the job you are doing, and the setting, eg in hospital and community, domiciliary, residential care, and the individuals you are working with.

**Values** — the values underpinning this Unit are embedded within the 2009 NHS Code of Conduct for Health Care Support Workers. These are stated in full within the Assessment Strategy and Guidance document for the awards.

**Key Words and Concepts** — a glossary of definitions, key words and concepts used in this Unit is contained in the Assessment Strategy and Guidance document.

In occupational standards it is quite common to find words or phrases used which you will be familiar with, but which, in the detail of the standards, may be used in a very particular way. **You should read the Assessment Strategy and Guidance document before you begin working with the standards and refer to it if you are unsure about anything in the Unit.**

**FN9F 04 (GEN 77) Perform first line calibration on clinical equipment to ensure it is fit for use**

**Specific Evidence Requirements for the Unit**

**It is essential that you adhere to the Evidence Requirements for this Unit**

<b>SPECIFIC EVIDENCE REQUIREMENTS FOR THIS UNIT</b>
<b>Simulation:</b>
◆ Simulation is <b>NOT</b> permitted for any part of this Unit.
◆ <b>The following forms of evidence ARE mandatory:</b>
◆ <b>Direct Observation:</b> Your assessor or expert witness must observe you in real work activities. Their confirmation of your practice will provide evidence for a significant amount of the performance criteria in this Unit. <b>For example</b> , how you run tests, calibrate equipment and notify others of the outcomes. Your assessor may use a <b>checklist</b> to record this.
◆ <b>Professional discussion:</b> Describes your actions in a particular situation and reflect on the reason(s) why you practice that way. <b>For example</b> , how you record calibration and what to do if equipment does not meet the standards.
<b>Competence of performance and knowledge could also be demonstrated using a variety of evidence from the following:</b>
◆ <b>Reflective Account:</b> These are written pieces of work which allow you to reflect on the course of action you took in a specific situation to identify any learning from the piece of work and to describe what you might do differently in the light of your new knowledge.
◆ <b>Questioning/professional discussion:</b> May be used to provide evidence of knowledge, legislation, policies and procedures which cannot be fully evidenced through direct observation or reflective accounts. In addition your assessor/mentor or expert witness may also ask questions to clarify aspects of your practice.
◆ <b>Expert Witness:</b> A designated expert witness, eg a senior member of staff, may provide a direct observation of your practice, or record a professional discussion they have held with you on a specific piece of practice.
◆ <b>Witness Testimony:</b> Can be a confirmation or authentication of the activities described in your evidence which your assessor or mentor has not seen.
◆ <b>Products:</b> These can be any record that you would normally use within your normal role, eg you should not put confidential records in your portfolio; they can remain where they are normally stored and be checked by your assessor and internal verifier.
◆ <b>Prior Learning:</b> You may be able to use recorded prior learning from a course of training you have attended within the last two years. Discussion on the relevance of this should form part of your assessment plan for each Unit.
◆ <b>Simulation:</b> There may be times when you have to demonstrate you are competent in a situation that does not arise naturally through your work role, eg dealing with violent or abusive behaviour. The Evidence Requirements in each Unit provide specific guidance regarding the use of simulation.
<b>GENERAL GUIDANCE</b>
◆ Prior to commencing this Unit you should agree and complete an assessment plan with your assessor which details the assessment methods you will be using, and the tasks you will be undertaking to demonstrate your competence.
◆ Evidence must be provided for ALL of the performance criteria, ALL of the knowledge.
◆ The evidence must reflect the policies and procedures of your workplace and be linked to current legislation, values and the principles of best practice within the Health Care sector. This will include the National Service Standards for your areas of work.
◆ All evidence must relate to your own work practice.

**FN9F 04 (GEN 77) Perform first line calibration on clinical equipment to ensure it is fit for use**

**KNOWLEDGE SPECIFICATION FOR THIS UNIT**

Competent practice is a combination of the application of skills and knowledge informed by values and ethics. This specification details the knowledge and understanding required to carry out competent practice in the performance described in this Unit.

When using this specification **it is important to read the knowledge requirements in relation to expectations and requirements of your job role.**

**You need to provide evidence for ALL knowledge points listed below. There are a variety of ways this can be achieved so it is essential that you read the 'knowledge evidence' section of the Assessment Guidance.**

<b>You need to show that you know, understand and can apply in practice:</b>	<b>Enter Evidence Numbers</b>
1 Relevant statutory, regulatory and legislative requirements, national standards and guidance.	
2 The relevant standard operating procedures, policies and their importance.	
3 Limits of responsibility and when and where to seek advice.	
4 How and why to communicate effectively with appropriate others.	
5 The intended purpose, operational status and range of use of equipment.	
6 The importance of both accuracy and precision within calibration.	
7 The methods of first line calibration, and quality assurance.	
8 Relevant reference materials.	
9 The significance of keeping calibration documentation.	
10 How to check for validity and reliability of tests conducted.	
11 The importance of comparisons between old and new techniques and related reference ranges, where relevant.	
12 The common faults in equipment and relevant corrective action.	
13 How to recognise factors which affect safety or risk associated with equipment use and relevant corrective action.	

**FN9F 04 (GEN 77) Perform first line calibration on clinical equipment to ensure it is fit for use**

Performance Criteria		DO	RA	EW	Q	P	WT	PD
		1	Run appropriate tests to confirm the operational status of equipment.					
2	Calibrate equipment for operation: (a) using appropriate reference materials (b) to within correct parameters for intended purpose (c) against appropriate approved standards (d) in line with required schedule							
3	Verify accuracy, precision and operational effectiveness of equipment following appropriate procedures.							
4	Record the validity and reliability of calibration procedure conducted.							
5	Confirm that equipment is suitable and ready for intended use.							
6	Correctly identify equipment that does not meet calibration standards and take appropriate action to prevent inadvertent use.							
7	Notify appropriate others of the status of equipment on completion of calibration.							
8	Work within the limits of your competence and seek advice where necessary.							

*DO = Direct Observation*

*RA = Reflective Account*

*Q = Questions*

*EW = Expert Witness*

*P = Product (Work)*

*WT = Witness Testimony*

*PD = Professional Discussion*

**FN9F 04 (GEN 77) Perform first line calibration on clinical equipment to ensure it is fit for use**

*To be completed by the candidate*

**I SUBMIT THIS AS A COMPLETE UNIT**

Candidate's name: .....

Candidate's signature: .....

Date: .....

*To be completed by the assessor*

*It is a shared responsibility of both the candidate and assessor to claim evidence, however, it is the responsibility of the assessor to ensure the accuracy/validity of each evidence claim and make the final decision.*

**I CERTIFY THAT SUFFICIENT EVIDENCE HAS BEEN PRODUCED TO MEET ALL THE ELEMENTS, PCS AND KNOWLEDGE OF THIS UNIT.**

Assessor's name: .....

Assessor's signature: .....

Date: .....

**Assessor/Internal verifier feedback**

*To be completed by the internal verifier if applicable*

***This section only needs to be completed if the Unit is sampled by the internal verifier***

Internal verifier's name: .....

Internal verifier's signature: .....

Date: .....