



# How NAMDET proposes to establish national competencies

# Back again

Here in 2013 talking about

- Self assessment.
- The landscape for medical device training.
- Variations in the life of medical device trainers and educators.
  - authority to influence
  - clinical experience & qualifications
  - teaching experience & qualifications
  - confidence to challenge the status quo

# We found

Self assessment is almost universally used as an assessment solution within health care organisations.

**MD2-Infusiasm-Hydrator-Volumetric-Pump**  
**Self-verification-of-competency**

**This form must be passed to your manager when complete and stored at Ward/Departmental Level.**

Surname: <input type="text"/>	Forename(s): <input type="text"/>
Title (Mr/Mrs/Miss/Dr etc): <input type="text"/>	Site/Dept/Ward etc: <input type="text"/>
Job title/designation: <input type="text"/>	Manager's name: <input type="text"/>

**Equipment type: Volumetric Pump Manufacturer: Infusiasm Model(s): Hydrator**

Course code	Course type	Description	Risk	Tick
C00	MD2/SVC		High	<input type="checkbox"/>

Self-verification of competence is undertaken by assessment against the following statements. The statements are designed to indicate competence to use the device. Responsibility remains with the user. If any doubt exists, consult your manager to arrange training.

**You must be able to answer YES to all applicable statements before considering yourself to be competent.**

**You must read and understand the device instructions for use.**

Questions to ask for self-verification of competence	Yes	No	N/A
Knows and have read the manufacturers direction for use manual?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Appropriate pump and equipment for clinical use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Safely set up and prepare the infusion device ready for use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Performs of all the safety checks prior to use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Describe the key functions and can demonstrate proficiency of use during clinical application?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
How to alter running rates in accordance with prescription?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
How to follow ANTT and perform safe action to change a solution bag?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Know all the additional features and how to use them appropriately?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
How to interpret and respond to alarm codes, warnings and prompts and take appropriate corrective action?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clearly understand the infection control and decontamination procedures of the Device?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Knows how to store the device?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Understand the procedure for requesting equipment servicing/repair?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Understand the Guidelines for Epidural preparation and delivery?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Statement: I declare that I am competent in the use of this device according to the theory worksheet and practical competency documents that are provided by the manufacturer.**

Signature:  Date:

**The above questions are provided in more detail on the continuing pages to assist you with your decision**

**If the answer to any of the questions is NO then you MUST NOT use this equipment**

Questions to tick

Statement to sign

How is the assessment quality assured

Where is the detail and explanation of terms?

**Questions to ask for self-verification of competence:**

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Appropriate pump and equipment for clinical use?			
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Is this educationally sound

How come you ask about that and we don't?

# Overwhelming concern was

- Are these documents clear enough to demonstrate the range of knowledge, skills, and performance implied by the assessment?
- In other words

**Do they offer assurance**

# The obvious solution

- Trusts already have documents
- Set up a folder – Dropbox or Web site
- Everyone can submit documents
- Members can access and use documents from the file
- No need for every Trust to develop one when there is one already available for use.

**However**

# What about the quality

- **Sufficiency** - who decides whether the documents are detailed enough to work within a range of clinical situations
- **Currency** - who will decide the frequency of document updates, and how will that be formally undertaken
- **Authenticity** - what involvement will Corporate teams have had in ensuring self assessment criteria is consistent with other assessment methods for particular devices
- **Reliability** - who will ensure that the document is clear enough for any user to know the range of knowledge, skills, and performance implied by the assessment
- **Validity** - what will be the rubric by which ability is judged/ suitability of self assessment is determined/definition of terms contained within the document/limitations of self assessment

# The less obvious solution

- Is not just having a series of documents available – we already have many....
- It's about the process – a quality process or system that is educationally robust
- **It's about having a national template for self assessment for use of medical devices that is as good as it can be.**

Quality process

Anyone develops a self assessment document by completing an agreed template

Submit the document to the a quality team

New documents and amendments are examined by a quality team – an educator and an industry expert

The document is accepted or returned with feedback

If a document is already available, option to review the existing document –propose amendments or just use it

All documents are given a review date that will flag in advance of the expiry date

All relevant users are informed of changes to existing documents or of new documents added

Superseded document versions are archived

# For this to work we need to

- Recruit a willing quality assessment team that includes corporate and healthcare
- Consider who will do all of that administration?
- Consider what contingencies we need to plan for?

# Benefits

- consistency and transparency
- common core content across all medical device user assessments
- a national structure for suggesting what equipment lends itself to self verification/self assessment (or not)
- valuable partnership working between industry and care providers
- more thorough evaluation of the efficacy of self assessment
- a recognised transferable assessment of competence.
- less well resourced organisations have equal access to equipment specific assessment tools

# Next steps

- Review the template agreed in 2013
- Recruit quality assurers from within the regions
- Test existing documents against the template and quality process
- Trial WordPress plugins for the website
- Pilot period