



Australian Government

MSMTMREF301 Use and maintain reference standards

Release: 2

MSMTMREF301 Use and maintain reference standards

Modification History

Release 2. Adjustments to Application and Range of Conditions. Adjustment to Assessment Conditions. Equivalent.

Release 1. Supersedes and is equivalent to MSATMREF301A Use and maintain reference standards

Application

This unit of competency covers the ability to select and use appropriate reference standards of measurement in accordance with standard procedures and industry best practice. It also involves storing and transporting reference standards correctly and maintaining their integrity during all trade measurement activities.

This unit of competency is applicable to trade measurement inspectors appointed under national measurement legislation who may use reference standards of measurement for inspecting a range of pre-packaged products, trading practices or measuring instruments as part of their allocated duties. The unit also covers verifiers operating under a servicing licence who use reference standards of measurement to test and verify specific classes of measuring instruments used for trade. Inspectors and verifiers must work safely and this may require applying basic first aid, entering confined spaces, working with heavy machinery and site safety induction.

While no specific licensing or certification requirements apply to this unit at the time of publication, all inspection activity is legislated under the *National Measurement Act 1960*.

Pre-requisite Unit

Nil

Competency Field

Trade measurement

Unit Sector

Elements and Performance Criteria

Elements describe the essential outcomes

Performance criteria describe the performance needed to demonstrate achievement of the element

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| 1 | Maintain reference | 1.1 | Identify environmental issues that may impact on reference standard integrity and implement appropriate |
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standard integrity		control strategies	
		1.2	Store, transport and handle reference standards in accordance with organisational procedures and industry best practice
		1.3	Quarantine and report damaged or compromised reference standards in accordance with organisational procedures
		1.4	Plan and organise reference standard maintenance and calibration in accordance with legislative requirements and organisational procedures
		1.5	Update maintenance and calibration records in accordance with organisational procedures
		1.6	Ensure that personnel assisting with the activity use correct handling procedures for reference standards
2	Select appropriate reference standards	2.1	Identify the scope and expected outcomes of the planned activity
		2.2	Identify and access reference standards appropriate to the activity
		2.3	Evaluate reference standard limitations associated with the activity and operating environment
		2.4	Validate reference standard suitability against the activity scope and expected outcomes in accordance with legislative requirements and organisational policy and procedures
3	Use reference standards	3.1	Review the expected outcomes for the activity
		3.2	Access and interpret reference standard Certificates of Verification and measurement reports
		3.3	Condition the reference standard as required to produce consistent and accurate measurements
		3.4	Identify, interpret and apply reference standard corrections as required
		3.5	Assess the results of the activity against the prescribed

		performance criteria
	3.6	Analyse any variances from the expected outcomes to identify any isolated or systemic problems linked to the reference standard or its use
4	Maintain a safe work environment	<p>4.1 Use established safe work practices and personal protective equipment to ensure personal safety and that of other personnel</p> <p>4.2 Identify relevant local workplace, health and safety issues and implement appropriate control strategies</p> <p>4.3 Handle reference standards safely in accordance with applicable legislation and organisational procedures</p>

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Procedures include one or more of:

- National Instrument Test Procedures prescribed by the NMI
- article measurement procedures
- any other test procedure prescribed by the NMI

Regulatory requirements include:

- Regulation 13 or 48 Certificates for each reference standard

Legislation includes:

- national measurement legislation
- applicable Commonwealth, state and territory work/occupational health and safety (WHS/OHS) legislation

- NMI guidance includes:**
- bulletins
 - instructions
 - determinations
 - updates
- WHS/OHS and environmental management requirements include:**
- complying with WHS/OHS and environmental management requirements at all times, which may be imposed through state/territory or federal legislation. These requirements must not be compromised at any time
 - applying standard precautions relating to the potentially hazardous nature of material/product measured
 - applying any necessary hygiene controls

Unit Mapping Information

Release 2. Adjustments to Application and Range of Conditions. Adjustment to Assessment Conditions. Equivalent.

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Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=d1287d36-dff4-4e9f-ad2c-9d6270054027>