



Australian Government

MEM15022 Verify reference standards

Release: 1

MEM15022 Verify reference standards

Modification History

Release 1. Supersedes and is equivalent to MEM15022B Verify reference standards.

Application

This unit of competency defines the skills and knowledge required to verify reference standards used for legal purposes and applies to those performing verification of reference standards in a verifying authority organisation. This work would mainly occur under laboratory conditions.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Band: B

Unit Weight: 8

Pre-requisite Unit

MEM09002 Interpret technical drawing

MEM11011 Undertake manual handling

MEM12003 Perform precision mechanical measurement

MEM12023 Perform engineering measurements

MEM13015 Work safely and effectively in manufacturing and engineering

MEM16006 Organise and communicate information

MEM18001 Use hand tools

Competency Field

Quality

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Determine job requirements	1.1 Follow standard operating procedures (SOPs) 1.2 Comply with work health and safety (WHS) requirements at all times 1.3 Identify the categories of reference standards that the organisation is

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<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	authorised to verify 1.4 Identify the classes of reference standards required to verify a range of standards 1.5 Identify tolerances for reference standards within organisation's scope
2. Maintain suitable environmental conditions to facilitate verification of reference standards	2.1 Record reference standard details in accordance with organisational guidelines 2.2 Identify sources of possible operational procedures errors in the verification of reference standards 2.3 Apply required atmospheric conditions for the verification of reference standards 2.4 Assess environmental conditions to determine whether verification can be conducted
3. Examine the design and required markings for a range of reference standards	3.1 Locate and interpret the identification marking required for reference standards 3.2 Identify and apply design features of reference standards 3.3 Interpret and apply the function of major components of reference standards 3.4 Identify the fundamental features of reference standards
4. Perform verification of reference standards	4.1. Verify a variety of reference standards. 4.2. Apply uncertainty and tolerances for reference standards. 4.3. Document results of verification, and issue certificate of verification in accordance with organisational procedures, legislation and policies.

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.

Reference standards include one or more of the following:	<ul style="list-style-type: none"> • mass • volume • density • area • length • master meters • temperature.
Sources of verification procedures include one or more of the following:	<ul style="list-style-type: none"> • manufacturers' specifications • industry guidelines • Australian Standards • legislation • organisational procedures and guidelines.
Legislation and policies include one or more of the following:	<ul style="list-style-type: none"> • enabling legislation • organisational procedures and guidelines.
WHS considerations include one or more of the following:	<ul style="list-style-type: none"> • storage and transportation of test equipment • handling of test equipment • handling of hazardous materials • site/premises conditions • safety clothing • manual handling techniques.
Documentation includes one or more of the following:	<ul style="list-style-type: none"> • fees • verification work sheets • certificate of verification.

Unit Mapping Information

Release 1. Supersedes and is equivalent to MEM15022B Verify reference standards.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>