MSFFDM4018 Research and organise product inspection and testing

Release: 1

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Modification History

Release 1. Unit code and title changed. Application changed. Substantial changes to Elements and Performance Criteria. Range of Conditions removed and relevant information moved to Assessment Requirements. Assessment Requirements changed to remove duplication with Performance Criteria and include volume/frequency of evidence. Supersedes and is not equivalent to MSFFT4007 Sample, inspect and text products to specifications.

Application

This unit describes the skills and knowledge required to identify specifications and test procedures for products, identify and organise the application of authorised testing procedures, interpret test results and report findings within a furnishing or similar workplace.

This unit applies to individuals working in a manufacturing or design studio environment who engage with quality and other control measures relating to products, either alone or as part of an internal or external team.

No licensing or certification requirements apply to this unit at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Competency Field

Project management and professional development

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential *outcomes.*	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Identify product specifications and test and inspection requirements	1.1 Read and interpret product quality specifications and drawings to inform test requirements
	1.2 Identify test parameters from product quality specifications and drawings
	1.3 Identify test methods for each required test parameter and select most effective and efficient method according to workplace procedures
	1.4 Identify design features that may impact testing methods, results and inspection procedures
2. Develop inspection	2.1 Identify appropriate standards, reference materials, test methods or

Elements	Performance Criteria
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
and testing procedures	procedures that may be applicable
	2.2 Assess suitability of available standards, reference materials, test methods and/or procedures against testing requirements
	2.3 Identify workplace hazards associated with inspection and testing of product for inclusion in procedures
	2.4 Identify the need for specific equipment, specialised facilities, expert personnel or training needs
	2.5 Select appropriate test methodology consistent with testing requirements and resource availability
	2.6 Identify any changes required to workplace procedures to implement testing or inspection procedures
	2.7 Identify an appropriate sample size of conforming and potentially nonconforming products, materials for testing according to workplace requirements
3. Document procedures	3.1 Write procedures based on identified requirements for specific product and in accordance with workplace documentation standards
	3.2 Perform test of procedures to ensure suitability of method and accuracy of test procedures
	3.3 Ensure safety, sample preparation, testing, data handling or evidence gathering and reporting procedures are in place
4. Organise testing or inspection of product	4.1 Ensure all required personnel are available and approved for participation in work area in accordance with workplace procedures
	4.2 Ensure tests are conducted in accordance with documentation and workplace procedures
	4.3 Analyse results of testing to ensure validity of procedures
	4.4 Modify test or inspection procedures as required to ensure quality of results
5. Report findings	5.1 Document findings of tests in accordance with procedures
	5.2 Recommend resolutions for identified potential or existing problems with tested product in accordance with workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

- Numeracy skills to interpret technical information.
- Reading skills to interpret product specifications and drawings.
- Writing skills to record and report on product inspection and testing results.

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

Unit Mapping Information

Release 1. Supersedes and is not equivalent to MSFFT4007 Sample, inspect and test products to specifications.

Links

Companion Volume implementation guides are found in VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73