



Australian Government

MSTGN5006 Plan and organise non-routine testing

Release: 1

MSTGN5006 Plan and organise non-routine testing

Modification History

Release 1. Supersedes and is equivalent to LMTGN5010A Plan and organise non-routine testing

Application

This unit of competency covers the skills and knowledge required to plan and organise non-routine testing within the enterprise.

The unit of competency applies to non-routine testing associated with the product and process development for textile production.

This unit of competency is applicable to all sectors of the textiles, clothing and footwear (TCF) industry.

Work may be conducted in small to large scale enterprises and may involve individual and team activities and can include liaison with specialist technicians.

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

Pre-requisite Unit

MSTTX4003 Perform routine textile testing and analyse results

Competency Field

Generic

Unit Sector

Not applicable

Elements and Performance Criteria

Elements describe the essential outcomes.

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

1 Determine job requirements

1.1 Follow standard operating procedures (SOPs)

1.2 Comply with work health and safety (WHS) requirements at all times

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| | | 1.3 | Use appropriate personal protective equipment (PPE) in accordance with SOPs |
| | | 1.4 | Identify job requirements from specifications, drawings, job sheets or work instructions |
| 2 | Plan or develop tests | 2.1 | Obtain relevant information to establish criteria for tests |
| | | 2.2 | Develop or plan test to meet criteria, including testing at set stages if required |
| 3 | Organise non-routine tests | 3.1 | Confirm requirements, as necessary |
| | | 3.2 | Obtain and prepare equipment and resources required to perform the tests |
| | | 3.3 | Test raw material, yarn, chemical mix or finished fabric against specified quality standards using prescribed testing procedures and in accordance with WHS practices and workplace procedures |
| 4 | Analyse, interpret and report results | 4.1 | Collate and analyse results of the tests |
| | | 4.2 | Interpret analysis to determine performance and acceptability for production |
| | | 4.3 | Prepare reports to document test and outcomes |

Foundation Skills

This section describes those required skills (language, literacy and numeracy) 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.

Workplace procedures include one or more of the following:

- requirements prescribed by legislation, awards, agreements and conditions of employment
- SOPs
- work instructions
- oral, written and visual communication
- quality practices, including responsibility for maintenance of own work quality and contribution to quality improvement of team or section output
- housekeeping
- tasks related to environmental protection, waste disposal, pollution control and recycling
- WHS practices

Australian Standards include:

- the relevant industry or Australian Standards that are current at the time this unit is being undertaken

Non-routine tests include, but are not limited to, one or more of the following:

- tests performed in a laboratory environment to laboratory level standards
- destructive testing

Tests include, but are not limited to, one or more of the following:

- evenness testing
- moisture content
- dry fastness
- fibre construction
- fibre identification and quantitative analyses
- moisture retention
- wicking

Equipment and resources include, but are not limited to, one or more of the following:

- weighing scales
- rulers templates
- strength testers
- conditioners or dryers
- single yarn testers
- abrasion testers
- pilling box
- chemicals

WHS practices

WHS practices must include hazard identification and control, risk assessment and implementation of risk reduction measures specific to the tasks described by this unit, and

includes one or more of the following:

- manual handling techniques
- SOPs
- PPE
- safe materials handling
- taking of rest breaks
- ergonomic arrangement of workplaces
- following marked walkways
- safe storage of equipment
- housekeeping
- reporting accidents and incidents
- other WHS practices relevant to the job and enterprise

Unit Mapping Information

Release 1. Supersedes and is equivalent to LMTGN5010A Plan and organise non-routine testing

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>