



Australian Government

Assessment Requirements for MSTAT4023

Interpret textile information and make production calculations

Release: 1

Assessment Requirements for MSTAT4023 Interpret textile information and make production calculations

Modification History

Release 1. Unit Code, Title and Application changed. Elements and Performance Criteria simplified with Elements 1 and 4 removed. Foundation Skills field populated. Range of Conditions removed with relevant information moved to Knowledge Evidence. Assessment Requirements clarified with generic foundation skills statements moved to appropriate section and duplication with Performance Criteria removed. Supersedes and is equivalent to MSTTX4001 Interpret and apply textile calculations and specifications.

Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- interpret specifications and make production calculations for at least three different textile products which collectively involve the use of formulas and graphs.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- textile industry terminology
- international specification standards
- information resources and research techniques
- yarn analysis specifications, including:
 - mean variation
 - count or linear density
 - ply
 - dye weight
 - moisture or regain
 - winding speed
- fabric analysis specifications, including:
 - mass or unit area
 - thread density
 - dimensional change
- systems and formulas used in textile calculations, including:
 - calculation of percentages
 - calculation of fractions
 - conversion between systems
 - reading and constructing graphs

- weight–length ratio
- practical application of calculations
- recording and reporting practices.
-

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - textile specifications
 - textile information sources.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Companion Volume implementation guides are found in VETNet -

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