



Australian Government

MSTFD5003 Analyse fit model

Release: 1

MSTFD5003 Analyse fit model

Modification History

Release 1. Supersedes and is equivalent to LMTFD5003B Analyse fit model

Application

This unit of competency covers the skills and knowledge required to analyse and select the fit model used to present sample garments and derive garment fit and size standard.

The unit of competency applies to representations that are required in the design, manufacture and retail of fashion garments to ensure that the targeted customer population is addressed in size range and appropriate data is obtained from research. This data also provides a solid basis for design, pattern derivation and garment construction for a sizing system.

Work may be conducted in small to large scale enterprises and may involve individual and team activities.

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

Pre-requisite Unit

Nil

Competency Field

Fashion design and technology

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
- 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

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|---|-------------------------------------|-----|---|
| 2 | Plan to analyse fit model | 2.1 | Obtain profile of target market |
| | | 2.2 | Identify characteristics of market population |
| | | 2.3 | Establish intended purpose of the design |
| | | 2.4 | Interpret design brief and select appropriate sizing system and fit model to represent target population |
| | | 2.5 | Communicate with relevant people to confirm plans |
| 3 | Measure fit model | 3.1 | Obtain tools and equipment and prepare fit model for measurement and image capture |
| | | 3.2 | Establish and mark body reference points |
| | | 3.3 | Take and record body measurements |
| | | 3.4 | Consult designer and product development team to analyse measurements |
| | | 3.5 | Assess body characteristics and compare to standard body |
| | | 3.6 | Identify unique features, assess for potential problems in fit and record all information |
| 4 | Finalise and check fit model | 4.1 | Identify types of dress forms or 3-D avatars available to designers and technicians and evaluate options according to resources |
| | | 4.2 | Compare to fit model and select appropriate representation |

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
Target market includes one or more of the following:	• plus sizes • petit sizes • teen • mature age • baby • toddler
Sizing system includes one or more of the following:	• women's sizes, such as 10, 12, 14, 16, and so on • men's sizes, such as 92, 95, 98, and so on • women's bra, sizes such as 12A, 12B, 12C, 12D, 12DD, and so on • children's sizes, such as 5, 6, 7, 8, 9, 10, and so on • babies' sizes such as 0000, 000, 00, 0, and so on
Confirm plans includes the following:	• clarify design brief with designer, if required • gain approval of stakeholders for selected fit model • liaise with fit model to develop schedule for measurement

taking, fittings and presentation of garments

Standard body includes one or more of the following:

- Australian Standards, international standards and recommended size charts
- proprietary data developed in-house or through external sources which define the figure as proportional, aligned and falling within appropriate weight for age parameters for target population

Unique features include one or more of the following:

- common postural faults, such as forward head, rounding of shoulders, anterior/posterior pelvic tilts, sway back and flat back
- prominent features, such as protruding abdomen, bust or seat
- spinal and pelvic rotation
- foot alignment, such as supinated or pronated foot
- arm types, such as very thin or heavy
- leg types, such as bow legs or knock knees
- neck length, such as long or short

Unit Mapping Information

Release 1. Supersedes and is equivalent to LMTFD5003B Analyse fit model

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for MSTFD5003 Analyse fit model

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include:

- reading and following work instructions, standard operating procedures (SOPs) and safe work practices
- applying relevant standards
- scoping and interpreting target market and characteristics of market population
- interpreting design brief and selecting appropriate sizing system and fit model to represent target population on at least two (2) occasions
- analysing and assessing physical characteristics
- recording measurements and consulting with design and production team members to analyse measurements
- assessing body characteristics, comparing to standard body and identifying unique features, to assess for potential problems in fit
- recording measurements, body characteristics and unique features
- selecting appropriate representation of fit model to use in product development
- maintaining records.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- Australian Standards for patterns and garment construction
- sizing systems
- characteristics of target market:
 - age
 - gender
 - size, body characteristics
 - economic and social expectations
 - purchase pattern
- tools and equipment:
 - manual or electronic tape measure
 - image capturing devices
 - pen/pencil
 - measure chart

- tape, cord or elastic
- eraser
- Australian Standard chart
- body characteristics:
 - posture
 - genetic, developmental and structural influences
 - shape classifications, such as hourglass, rectangular, pear and inverted triangle
 - anthropometric classifications (somatotypes)
 - shoulder slope (raised, normal and sloping)
 - body sway and postural asymmetry (according to lower and upper body)
 - proportions (short or long-waisted and mid-body shortness)
- body measurements:
 - height and weight
 - body reference points, such as nape, acromion, waist point, seat vertex, abdomen vertex, carpus, neck base, upper sternum, bust point and pelvic bone
 - levels, such as crown, shoulder, scye, bust or chest, waist, hip, crotch and knee
 - girth measurements, such as waist, bust or chest, hip, high hip, upper and under bust, head circumference, upper arm, wrist, thigh, calf, ankle and heel/instep
 - horizontal measurements, such as shoulder, shoulder breadth, across front, across back, and bust point to bust point
 - vertical measurements, such as nape to centre back waist, nape to neck base, nape to bust or chest, nape to waist, nape to wrist, centre front waist to floor, centre back waist to floor, right-hand side waist to floor, left-hand side waist to floor, waist to hip, inside leg, body rise, arm length and neck length
 - cup size
 - shoulder angle
 - seat prominence
- body science:
 - structural anatomy
 - morphology
 - anthropometry
- quality practices
- workplace practices
- recording and reporting practices.

Assessment Conditions

- Assessors must:
 - satisfy the assessor competency requirements that are in place at the time of the assessment, as set by the VET regulator
 - have vocational competency in analysing fit models, at least to the level being assessed, with relevant industry knowledge and experience.

- Assessment should occur in operational workplace situations. Where this is not possible, or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment reflecting realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required including relevant workplace procedures, product and manufacturing specifications associated with this unit.

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