



Australian Government

AURATA003 Produce drawings from design concepts

Release: 1

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Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to produce detailed drawings of objects from design concepts. It involves creating drawings or hand drawn sketches for items, such as mounting brackets for attaching accessories or components to vehicles or equipment. The unit does not involve producing computer-aided design (CAD) drawings.

It applies to those working in the automotive service and repair industry.

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

Competency Field

Common

Unit Sector

Technical

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold and italicised text is used, further information is detailed in the range of conditions section.
1. Prepare to produce drawing	1.1 Drawing purpose and design concept are defined and clarified according to workplace procedures 1.2 <i>Drawing specifications</i> are identified and confirmed with appropriate persons 1.3 Operational characteristics of object to be drawn are identified 1.4 Required drawing <i>resources</i> are selected

Elements Elements describe the essential outcomes.	Performance Criteria Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold and italicised text is used, further information is detailed in the range of conditions section.
2. Draft initial drawing	2.1 <i>Initial drawing is drafted</i> from prototype model sketch and specifications 2.2 Production notes or special requirements are documented 2.3 Draft drawing is checked for accuracy against specifications and concept prototype drawing, and required approval is sought
3. Complete final drawing	3.1 Final drawing is compared to original design concepts and modified as required within scope of own authority 3.2 Drawing is checked and approved according to workplace procedures

Foundation Skills

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

Skills	Description
Learning skills to:	<ul style="list-style-type: none"> locate drawing specifications and other relevant information efficiently keep up-to-date with drawing and sketching processes and new and emerging electronic drawing aids.
Reading skills to:	<ul style="list-style-type: none"> interpret drawing objectives and specifications and technical information.
Writing skills to:	<ul style="list-style-type: none"> legibly and accurately produce drawing requirements and material lists.
Oral communication skills to:	<ul style="list-style-type: none"> communicate with customers and others in the workplace.
Numeracy skills to:	<ul style="list-style-type: none"> calculate and list dimensions and specifications in drawings.

Range of Conditions

This section specifies 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. Bold italicised wording, if used in the performance criteria, is detailed below.

<i>Drawing specifications</i> must include:	<ul style="list-style-type: none">• dimensions, angles, shapes and component finish• fabrication processes• measurements and specifications• quality and technical information.
<i>Resources</i> must include:	<ul style="list-style-type: none">• design concept brief and associated specifications• drawing equipment• object or sub-assembly to be fabricated and drawn.
<i>Drafting initial drawing</i> must include:	<ul style="list-style-type: none">• appropriate object dimensions• connection of dimensional points to match drawing.

Unit Mapping Information

Equivalent to AURATA2003 Produce drawings from design concepts

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>