



Australian Government

Department of Education, Employment and Workplace Relations

CUESET17B Develop props construction plans to meet design requirements

Revision Number: 1

CUESET17B Develop props construction plans to meet design requirements

Modification History

Not applicable.

Unit Descriptor

Unit descriptor	This unit describes the skills and knowledge required to interpret the set/prop design and develop practical construction plans and specifications to meet design requirements for props. No licensing, legislative, regulatory or certification requirements apply to this unit at the time of endorsement.
------------------------	--

Application of the Unit

Application of the unit	Senior or experienced props personnel apply the skills and knowledge outlined in this unit. In this role they are responsible for liaising with workshop managers and designers and could be supervising others. This unit has linkages to props construction units and to general drawing units. It is strongly recommended that this unit be assessed with or after those units.
--------------------------------	--

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.
-----------------------------	--

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.
---	--

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Interpret set/props design from a construction perspective	1.1. Read and interpret the set/props design and other production documentation to determine the scope and nature of props requirements 1.2. Contemplate and consider props construction methods and techniques which will lead to the best realisation of the design concept while meeting production budgets 1.3. Identify potential practical construction problems and limitations with proposed designs and communicate these to relevant personnel 1.4. Assess potential solutions and develop creative approaches to minimise problems and limitations 1.5. Liaise with design and other relevant personnel to discuss and confirm construction requirements
2. Develop props construction plans and drawings	2.1. Translate the design into a practical plan for props construction in accordance with production requirements and relevant codes and regulations 2.2. Ensure that props construction meets the aesthetic requirements and provides the correct visual interpretation of the production requirements 2.3. Identify and consider any specific production or performance issues that will impact on the nature of props construction 2.4. Identify and consider any safety issues that will need to be integrated into the construction process and the way in which props will be used 2.5. Complete accurate specifications and drawings to a level of detail sufficient to guide the construction process 2.6. Correctly identify the materials, tools and equipment required for props construction, including budgetary estimates to meet production requirements 2.7. Communicate practical details for props construction to relevant personnel at the appropriate time to ensure deadlines can be met and workflow efficiency is maximised

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

- analytical skills particularly in relation to the evaluation of information that impacts on prop construction planning
- communication and negotiation skills particularly in relation to working with creative personnel to realise design concepts

Required knowledge

- techniques for creating technical plans from designs or other sources, e.g. painting, photograph, drawing, description
- construction methods used to achieve a range of commonly required props effects
- features, formats and contents of construction specifications and how to develop these
- costs of materials typically used in props construction
- organisational and legislative occupational health and safety procedures particularly in relation to planning and completion of props construction work

Evidence Guide

EVIDENCE GUIDE

The Evidence Guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment

Critical aspects for assessment and evidence required to demonstrate competency in this unit

The following evidence is critical to the judgement of competence in this unit:

- effective communication skills to liaise with designers/directors
- ability to translate design concepts into creative and workable construction plans
- ability to develop accurate construction specifications and drawings on which construction tasks can be based.

Context of and specific resources for assessment

The assessment context must provide for:

- practical demonstration of skills through the creation of construction drawings/plans for props for more than one production
- involvement of and interaction with a team to reflect the collaborative nature of the props construction process

Method of assessment

Assessment may incorporate a range of methods to assess performance and the application of essential underpinning knowledge, and might include:

- evaluation of props for which the candidate has made the construction plans
- case studies to assess ability to develop plans for a range of different props designs/production needs
- evaluation of specifications and drawings produced by the candidate
- oral and written questioning to assess knowledge of props constructions issues and techniques
- portfolios of evidence and third party workplace reports of on-the-job performance by the candidate.

Assessment methods should closely reflect workplace demands and the needs of particular groups (e.g. people with disabilities, and people who may have literacy or numeracy difficulties such as speakers of languages other

EVIDENCE GUIDE	
	than English, remote communities and those with interrupted schooling).
Guidance information for assessment	Assessment of this unit requires access to: • props designs from which the candidate can develop construction plans.

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

<i>Props</i> may include:	• cable controlled props • costume props, e.g.: armour, weapons, jewellery • electrically controlled • equipment • furniture • hand props, e.g.: food and beverage, blood, gore • mechanised props • pneumatically controlled props • pre-production prototypes • special effects props • vehicles
<i>Production documentation</i> may include:	• costume plots • drawings • lighting design • paintings • photographs • scripts • set design • sound design • venue specifications
<i>Methods and techniques</i> within this unit could be quite broad in nature and may include:	• gluing • metalwork, e.g. cutting, welding, brazing • moulding • painting • sculpting and other shaping methods • woodworking
<i>Practical construction problems</i> and limitations may relate to:	• building regulations • construction risks • durability • safety considerations technical and performance personnel

RANGE STATEMENT	
	• size of performance space • timelines
Relevant personnel may include:	• carpenters • designers • external suppliers • production managers • stage managers • other technical specialists
Props are constructed from a range of different media. Media may include:	• fabric • fabrics • fibreglass • leather • masonite • metal products, e.g.: bars, tubes, sheets • mouldable materials • moulded or cast metal • paper products • plaster • plastics, e.g.: moulded sheet • polystyrene • thermoplastic • timber • timber products, e.g.: plywood, particle board, craftwood
Occupational and public health and safety legislative requirements may include:	• Commonwealth, State and Territory occupational health and safety regulations • relevant local government legislation and regulation • relevant national and international standards, guidelines and codes of practice, e.g. the Building Code of Australia. • safety and legal requirements include fire proofing of all set and scenic elements.

Unit Sector(s)

Unit sector	
-------------	--

Competency field

Competency field	Visual communication - props
------------------	------------------------------

Co-requisite units

Co-requisite units		