



Australian Government

Department of Education, Employment and Workplace Relations

CPCCCM2011A Carry out tilt-up work safely

Release: 1

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Modification History

Not Applicable

Unit Descriptor

Unit descriptor This unit of competency specifies the outcomes required for tilt-up work induction training within the construction industry. Licensing requirements will apply to this unit of competency depending on the regulatory requirements of each jurisdiction.

Application of the Unit

Application of the unit This unit of competency supports achievement of tilt-up work knowledge required prior to entering tilt-up workplaces. It meets the needs of workers requiring tilt-up work induction training in accordance with legislative requirements.

Licensing/Regulatory Information

Refer to Unit Descriptor

Pre-Requisites

Prerequisite units

CPCCOHS2001A	Apply OHS requirements, policies and procedures in the construction industry
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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. Comply with tilt-up construction and risk management processes.	<p>1.1. Identify the relationship between each <i>stage of the tilt-up construction process</i> and the following stage, and typical faults, problems, hazards and possible effects if design and safety requirements are not met.</p> <p>1.2. Identify basic principles of risk management and duty holders responsible.</p> <p>1.3. Identify the minimum requirements for a safe work method statement for each task as outlined in the <i>national code of practice</i>, and the duty holder responsible for its preparation and compliance.</p> <p>1.4. Identify the minimum requirements for a work plan and/or OHS management plan for tilt-up construction, as outlined in the national code of practice.</p> <p>1.5. Identify available <i>skills training</i> opportunities as relevant to own work, role and responsibilities.</p>
2. Access and use information relating to safe tilt-up construction.	<p>2.1. Identify and use <i>regulatory information</i> relevant to own work, role and responsibilities.</p> <p>2.2. Identify roles and responsibilities of self and others as relevant to own work and role in tilt-up construction.</p> <p>2.3. Identify and interpret general work procedures, <i>documentation, drawings and plans</i> for carrying out the tilt-up construction process as relevant to own work, role and responsibilities.</p> <p>2.4. Identify general design and safety requirements for <i>equipment and tools</i> used in the tilt-up construction process as relevant to own work, role and responsibilities.</p>
3. Maintain safety of self and others.	<p>3.1. Communicate with others to establish that key design and safety requirements have been met for preceding stages of tilt-up construction.</p> <p>3.2. Use general procedures for responding, rectifying and reporting faults, problems and hazards as relevant to own work, role and responsibilities.</p> <p>3.3. Identify the methods and procedures used to control tilt-up construction <i>hazards</i>, including the content of the work plan and/or OHS management plan and <i>safe work method statements</i> as relevant to own work, role and responsibilities.</p> <p>3.4. Identify the sequence of tasks and activities relevant</p>

ELEMENT**PERFORMANCE CRITERIA**

to own work and review the adequacy of the associated safe work method statement by conducting a *job safety analysis*.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

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

Required skills

Required skills for this unit are:

- Communication / interpersonal skills to contribute to the discussion of workplace hazards and risks, ask effective questions, collaborate with colleagues, relay information to others, and report on OHS issues.
- Comprehension skills to understand and comply with OHS requirements including safety signs and symbols, safe work method statements and safe working procedures.
- Ability to interpret and apply information from plans and procedures, and identify related hazards.

Required knowledge

Required knowledge for this unit is:

- construction terminology
- hazard identification and risk control related to tilt-up work
- Job Safety Analysis and safe work method statements
- OHS standards, legislative requirements and codes of practice related to tilt-up work
- requirements for planning, preparing and carrying out the tilt-up construction process as relevant to own work, role and responsibilities
- safety equipment used on construction work sites
- stages in the tilt-up construction process.

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

Competency is to be assessed only after completion of the General Induction Training Program specified by the National Code of Practice for Induction for Construction Work.

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

Evidence must confirm understanding and knowledge of the following:

- Relevant legal responsibilities, codes of practice and standards for tilt-up construction work;
- the range of common tilt-up construction hazards and procedures for the assessment of risks and application of the hierarchy of control; and
- the use of job safety analysis and safe work method statements.

Context of and specific resources for assessment

The relevant OHS authority may have specific requirements concerning the expertise necessary to be a subject expert for assessment of this unit. Assessment must be made in accordance with any such requirements.

Procedures and documentation should cover those used in the workplace.

Resources must be available to support the program including:

- relevant standards, regulations and code of practice for tilt-up construction
- Australian Standards AS 3850 and AS 3600
- participant materials and other information
- drawings and specifications
- tilt-up slab related plans
- safe load tables
- safe work method statements
- Job Safety Analysis materials.

A range of assessment tools and resources should be used to suit the learning preferences or special

EVIDENCE GUIDE

	learning needs of individual participants.
Method of assessment	<p>Assessment methods may include more than one of the following:</p> <ul style="list-style-type: none"> • practical assessment • oral questioning • written test • work-based activities • problem solving scenarios • simulated project based activity.

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>Stages of the tilt-up construction process</i> cover:	<ul style="list-style-type: none"> • design and manufacture • handling, storage and transportation • craneage and erection • temporary bracing, stabilisation and incorporation of concrete panels • demolition
<i>National code of practice</i> refers to:	<ul style="list-style-type: none"> • National Code of Practice for Precast, Tilt-Up and Concrete Elements in Building Construction.
<i>Skills training</i> opportunities could include completing further training, including:	<ul style="list-style-type: none"> • CPCCBC4022A Supervise tilt-up work • CPCCCO3028A Carry out tilt panel construction • CPCCRI3015A Perform advanced tilt-up slab erection.
<i>Regulatory information</i> includes general OHS requirements, such as:	<ul style="list-style-type: none"> • Australian standards AS3850 and AS3600 • duty holder responsibilities • emergency procedures • relevant standards, regulations and codes of practice for tilt-up and pre-cast concrete

RANGE STATEMENT

	<ul style="list-style-type: none"> construction training, supervision and risk management in the context of tilt-up and pre-cast concrete construction.
<i>Documentation, drawings and plans</i> include:	<ul style="list-style-type: none"> design provisions and drawings erection and crane drawings and documentation Job Safety Analysis documentation marking plan and shop drawings prefabricators and engineers' inspection reports and statements safe work method statements specifications transport management plan work plan and/or OHS management plan.
<i>Equipment and tools</i> include:	<ul style="list-style-type: none"> bracing cranes elevated work platforms manual tools mobile scaffolding portable electric and pneumatic tools props rigging equipment rigging gear safety net and static lines.
<i>Hazards</i> include anything with the potential to cause injury, harm or ill health, such as:	<ul style="list-style-type: none"> environmental factors, e.g. wind, temperature, noise and lighting overhead or underground services trees, buildings and structures uneven or unstable ground unstable panels during lifting.
<i>Safe work method statement</i> is a statement that:	<ul style="list-style-type: none"> describes how safety measures will be implemented to do the work safely describes the control measures that will be applied to the work activities identifies work activities assessed as having safety risk or risks includes a description of the equipment used in the work, the qualifications of the personnel doing the work, and the training required to do the work safely

RANGE STATEMENT

Job safety analysis is:

- states the safety risk or risks.
- a technique that breaks a task into steps
- identifies the hazards and appropriate control measures for each step.

Unit Sector(s)

Unit sector Construction

Co-requisite units

Co-requisite units Nil

Functional area

Functional area