

FORMWORK

Facilitator Guide



Timings	Facilitator Notes	Resources
45 mins	Discuss the learning outcome and assessment criteria	Slide 1 Slide 2
	EXPLAIN <i>Refer Student Notes - Formwork</i> <i>Refer Formwork COP - Appendix 1</i> Explain definition of formwork In addition to formwork, highlight the definition of the following from Appendix 1 COP: • Competent person • Engineer • Form • Formwork frame	Slide 3
	DISCUSS <i>Refer Student Notes – Duty holders</i> <i>Refer Formwork COP s1.2</i> Discuss who has legislative obligations in relation to formwork with reference to the COP sect 2.	Slide 4
	ASK Ask participants why the design stage is so important? DISCUSS <i>Refer Student Notes – Design Controls</i> <i>Refer Formwork COP – s.2 Design</i> Discuss design controls including: • Job design and redesign • Provide mechanical aids • Administrative controls	Slide 5
	ASK Ask participants for examples of hazards associated with Formwork	

	DISCUSS <i>Refer Student Notes:</i> • Falls from heights • Slips, trips and falls • Falling objects • Noise • Dust • Hazardous manual tasks Discuss hazards associated with formwork.	
	DISCUSS <i>Refer Formwork COP s1.3</i> Discuss what is involved in managing risks associated with formwork activities from Formwork COP s1.3. Highlight that specific detailed information is available in the Formwork COP and participants should refer to the COP for additional information.	Slide 7
	EXPLAIN <i>Refer Student Notes – Steel Fixing</i> Explain the definition of steel fixing and give a brief overview	Slide 8
	EXPLAIN <i>Refer Student Notes – Concrete Pumping</i> <i>Refer Concrete Pumping Code of Practice – s4 Risk controls for concrete pumping plant</i> Explain concrete pumping and give a brief overview of the risks controls for concrete pumping plant from the COP.	Slide 9
	ACTIVITY Have participants complete the STUDENT QUESTIONS using both the Student Notes and the Formwork COP for reference.	-

STUDENT QUESTIONS

1. What is formwork?

Formwork is a temporary structure that supports part or the whole of a permanent structure until it is self-supporting.

2. Does formwork require design registration?

No. Unless traditional prefabricated scaffolding is used as part of the supporting structure, these components require design registration.

3. Who has duties under the Work Health and Safety legislation in relation to formwork?

- Persons conducting a business or undertaking (PCBU)
- Designers, manufacturers, suppliers and importers of plant or structures
- People installing, constructing or commissioning plant or structures
- Officers e.g. company directors
- Workers and other people at the workplace

4. What duties do PCBU's have under the Work Health and Safety legislation in relation to formwork?

PCBU's must so far as is reasonably practicable ensure the:

- design, provision and maintenance of safe formwork plant and structures
- safe erection, alteration, dismantling and use of formwork, and
- safe use, handling, storage and transport of formwork plant.

5. List four hazards associated with the erection, alteration or dismantling of formwork.

- formwork collapse
- falls from heights
- slips, trips and falls
- falling objects
- noise
- dust
- hazardous manual tasks

6. List three control measures to prevent falls from heights associated with the erection, alteration or dismantling formwork :

- Design floor slabs that are one consistent thickness
- Provide fall protection on the leading edge of the formwork deck
- Where it may be impractical to provide edge protection on leading edges, provide perimeter edge protection on edges of the formwork deck
- Perimeter scaffolding or proprietary screen systems completed formwork decks
- Progressively lay formply for the formwork deck
- Securely cover all penetrations where a person or object could fall through

7. What control measures can be implemented to prevent or minimise the risks associated with falling objects?

- Perimeter containment screens that extend above the formwork
- Good housekeeping practices – ensure items are cleaned up and kept away from edges, voids and penetrations

Version	Date	Author
1	30/06/2018	WHSQ

