

CRANES, HOISTS & LIFTING GEAR

Facilitator Guide



Timings	Facilitator Notes	Resources
1 hour	Discuss the assessment criteria	Slide 1 Slide 2
	EXPLAIN <i>Refer Student Notes – Definitions and Basic Definitions.</i> Explain definitions below: - Crane - Dogging work - Gantry crane - Hoist - Non-slewing mobile crane - Personnel and materials hoist - Slewing - Tower Crane - Vehicle loading crane	Slide 3 Slide 4
	DISCUSS <i>Refer Student Notes - basic definitions</i> Discuss the following topics from the Australian Standard: • Planning; • Crane selection (discuss all factors that must be considered i.e height, size of load, access to load, obstructions etc.); • Maintenance, inspection and repair; • Safe crane operation;	Slide 5 Slide 6 Slide 7 Slide 8
	Discuss <i>Refer Student Notes – Operation near overhead powerlines.</i> <i>Refer Electrical Safety Code of Practice 2010 – Working near overhead and underground electric lines - s4 Operating plant near overhead electric lines</i> Discuss requirements when working near overhead powerlines. Advise participants that this information is also available in s4 of the Tower Crane COP. ASK Ask participants to refer to attachment ‘Appendix B Exclusion zones for overhead electric lines’.	Slide 9

	Ask participants for examples of situations where you may need to work near overhead lines.	
	DISCUSS <i>Refer Student Notes – Suspension of person by crane</i> - Requirements for a workbox - Requirements for the crane used with a workbox - Operation of the crane with suspended personnel ACTIVITY Ask the participants to discuss the requirements that must be met regarding suspension of persons by crane (eg use of a dogger, size of the crane etc).	Slide 10
	DISCUSS <i>Refer Student Notes – Maintenance, Inspection and Repair</i> Discuss with students, the types and inspection criteria for the following lifting gear: • Steel wire rope • Chains • Shackles • Eye-bolts	Slide 11 Slide 12 Slide 13 Slide 14

Version	Date	Author
1	30/06/2018	WHSQ