



Australian Government

ICTTCCR201 Use rigging practices and systems on telecommunications network structures

Release: 1

ICTTCR201 Use rigging practices and systems on telecommunications network structures

Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 2.0.

Application

This unit describes the skills and knowledge required to perform rigging work during system installations for telecommunications radio structures.

It applies to individuals who are usually highly skilled verbal and non-verbal communicators working in a team environment. They must be appropriately licensed to complete high risk work and be able to safely use all required equipment.

Work functions in the occupational areas where this unit may be used are subject to regulatory requirements. Refer to the ICT Implementation Guide Companion Volume or the relevant regulator for details of licensing, legislative or certification requirements.

Unit Sector

Telecommunications – telecommunications rigging installation

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare rigging systems	1.1 Prepare for work according to relevant legislation, codes, regulations and standards 1.2 Arrange access to site and confirm client requirements 1.3 Inform appropriate personnel of existing and potential site hazards 1.4 Select tools and safety equipment required for safe rigging practice 1.5 Use rigging systems in telecommunications environment

	according to specifications 1.6 Identify proposed position of equipment to be mounted on telecommunications radio structures according to specifications and industry practice 1.7 Estimate safe working loads for rigging systems and equipment according to specifications 1.8 Select and inspect rigging equipment to ensure it is fit for purpose according to specifications
2. Set up and carry out rigging work on telecommunications radio structures	2.1 Set up rigging and dogging equipment following safe working practices and procedures according to all relevant work health and safety (WHS) legislation 2.2 Operate rigging equipment and install telecommunications antenna and associated equipment according to specifications 2.3 Use internationally recognised communication signals and protocols with crane drivers and helicopter crews according to the Crane Association Crane Safety Manual for Operators/Users
3. De-rig and complete documentation	3.1 De-rig and lower rigging equipment according to specifications 3.2 Restore site to client expectations following completion of installation according to industry practice 3.3 Complete documentation and notify client for sign off

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

Skill	Performance Criteria	Description
Reading	1.1, 1.5-1.8, 2.1, 2.2, 3.1	Interprets textual information from relevant sources to identify equipment suitability and adhere to procedures and standards
Writing	3.3	Legibly completes relevant reports and documentation using clear and technically specific language
Oral Communication	1.2, 1.3, 2.3, 3.3	Uses listening and questioning skills to confirm understanding for requirements, participates in a verbal exchange of ideas and solutions, and uses appropriate, detailed and clear language to address key personnel and disseminate

		information
Numeracy	1.7, 3.1	Uses mathematical formulae to estimate weights to make equipment adjustments
Navigate the world of work	1.1, 1.3, 1.5-1.8, 2.1-2.3, 3.1, 3.2	- Takes personal responsibility for adherence to legal and regulatory requirements, standards and specifications, and industry practices relevant to a rigging context, and draws attention to any issues that may affect self or others - Recognises and follows explicit and implicit protocols and meets expectations associated with own role in relation to communication signals
Interact with others	2.3, 1.3	Cooperates with others as part of familiar routine activities, and contributes to specific activities requiring joint responsibility and accountability when reporting site hazards and communicating with crane drivers and helicopter pilots
Get the work done	1.1-1.8, 2.1-2.3, 3.1-3.3	- Uses a combination of formal, logical planning processes and an increasingly intuitive understanding of the rigging context to identify relevant information and risks, and to identify and evaluate alternative strategies and resources - Uses systematic, analytical processes in rigging situations, setting goals, gathering relevant information, and identifying and evaluating options for selection of tools and safety equipment, and selection, positioning and safe loading of rigging equipment - Recognises and addresses some unfamiliar problems of increasing complexity within own scope, recognising when to seek the expertise of others in relation to selection and safe use of tools and equipment, identification of site hazards and site restoration

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTTCR201 Use rigging practices and systems on telecommunications	ICTTCR2188A Use rigging practices and systems on telecommunications	Updated to meet Standards for Training Packages	Equivalent unit

Code and title current version	Code and title previous version	Comments	Equivalence status
network structures	network structures		

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>

Assessment Requirements for ICTTCR201 Use rigging practices and systems on telecommunications network structures

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Performance Evidence

Evidence of the ability to:

- apply work health and safety (WHS) requirements and work practices associated with rigging
- carry out basic dogging skills
- carry out basic rigging skills
- use specialised hand or power tools and equipment normally used in rigging.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- outline the features and operating requirements of rigging equipment
- explain hypothermia symptoms and methods of prevention and treatment
- discuss licensing and regulatory issues applying to rigging practices and systems on telecommunications radio structures
- summarise knowledge of meteorology and weather prediction
- describe remote-area first aid
- explain:
 - electromagnetic radiation (EMR) safety practices
 - optical fibre-cabling and equipment safety practices
 - personal protective equipment for rigging projects
 - requirements of WHS legislation, relevant regulations, and applicable site and company WHS procedures
 - rigging practices and systems to telecommunications radio structures
 - working-at-heights safety practices.

Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the telecommunications – telecommunications rigging installation field of work and include access to special purpose tools, equipment and materials.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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