Australian Government

ICTWHS202 Work safely in a radio frequency electromagnetic radiation environment

Release: 1

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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 performance outcomes, skills and knowledge required to use organisational risk control procedures when working with a risk of exposure to radio frequency (RF) electromagnetic radiation (EMR) hazards.

The unit applies to site maintenance staff, technicians and installers who install or maintain equipment at installations that are sources of RF EMR.

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 – work health and safety

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Prepare to work in RF EMR environment	1.1 Identify characteristics of RF EMR and situations that can lead to exposure to RF EMR hazards 1.2 Identify potential effects of RF EMR on human body and contributing factors that affect it 1.3 Research relevant regulations and standards that apply to working with and controlling RF EMR hazards 1.4 Obtain and review RF EMR information required for work environment

ELEMENT	PERFORMANCE CRITERIA
2. Assess RF EMR risks	2.1 Assess potential RF EMR hazards in telecommunications work environment 2.2 Estimate likely field strength pattern of potential RF EMR hazard
3. Control RF EMR risks	3.1 Explain typical organisational controls to manage and control identified RF EMR hazards 3.2 Choose and apply appropriate RF EMR controls 3.3 Report EMR exposure that exceeds acceptable levels according to organisational work health and safety (WHS) requirements

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	1.1-1.4, 2.1, 2.2, 3.1	• Uses a number of reading strategies to identify and interpret relevant information within familiar text types
Writing	3.3	• Prepares organisational WHS documentation using clear language, correct spelling and terminology
Oral Communication	3.3	• Uses clear language and concepts, and tone and pace appropriate for the audience and purpose
Numeracy	2.2	• Performs mathematical calculations to estimate, interpret and compare RF signal strength
Navigate the world of work	1.3, 1.4, 3.1-3.3	• Understands responsibility to comply with legal and regulatory requirements
Interact with others	3.3	• Identifies and takes steps to follow accepted communication practices and protocols
Get the work done	1.1-1.4, 2.1, 3.1, 3.2	• Follows clearly defined instructions and sequencing, and monitors own progress for the task, seeking assistance when necessary • Makes low-impact decisions within familiar situations, based on a range of predefined or routine solutions • Responds to predictable routine problems and implements standard or logical solutions

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTWHS202 Work safely in a radio frequency electromagnetic radiation environment	ICTWHS2081A Work safely in a radio frequency electromagnetic radiation environment	Updated to meet Standards for Training Packages	Equivalent unit

Links

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