



Australian Government

PUASES010 Plan, activate and maintain a communications network

Release: 1

PUASES010 Plan, activate and maintain a communications network

Modification History

Release 1. This is the first release of this unit of competency in the Public Safety Training Package.

Application

This unit of competency involves the skills and knowledge required to plan, activate and maintain a communications network in routine and operational situations. It informs the roles and responsibilities of individuals who plan, activate and maintain a communications network.

The unit is applicable to emergency services personnel, conservation and land management agencies, tourism operators, search and rescue operators, local government agencies, contractors and volunteer organisations.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

PUAOPE013 Operate communications systems and equipment

Competency Field

SES Sector

Unit Sector

State/Territory Emergency Services

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Identify operational communication needs

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

1.1 Operational communications considerations and requirements are identified, based on operational needs

1.2 Operational and task information is used to determine

		communication network and equipment requirements
	1.3	Agencies, organisations and individuals involved in the operation are identified
	1.4	Established arrangements and equipment for communication are identified
	1.5	Hazards and environmental conditions likely to impact on communication are identified, assessed and controlled
2	Establish communications plan	
	2.1	Communications plan is prepared based on identified operational communication needs
	2.2	Appropriate communication strategies and equipment are included in the communications plan and network
	2.3	Personnel are briefed on communications plan details
	2.4	Communications plan is implemented, monitored and modified to meet changes in operational situation
3	Activate and maintain communication network	
	3.1	Prior to activation of the communications plan the communication network is set up and tested, with faults identified and addressed
	3.2	Communication network is activated
	3.3	Communication network performance is monitored, analysed and adjusted to ensure effective and efficient communications
	3.4	Communication network is modified to meet changes in operational situation and network capacity
4	Terminate communication network	
	4.1	Communication network is closed, in accordance with organisational policies, procedures and operational requirements
	4.2	Communication network is dismantled and refurbished, in accordance with organisational procedures and manufacturers' guidelines
	4.3	Maintenance requirements are recognised, recorded and reported, in accordance with organisational procedures
	4.4	Operational documentation is completed, in accordance with organisational policies and procedures

4.5 Efficiency of the communications plan and network is reviewed

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to PUASES010A Plan, activate and maintain a communications network.

Links

PUA Training Package Companion Volume Implementation Guide is found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=3eca5672-6d5a-410b-8942-810d0ba05bbf>

Assessment Requirements for PUASES010 Plan, activate and maintain a communications network

Modification History

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria on at least one occasion and includes

- activating and maintaining communication network using appropriate strategies
- analysing communication network performance
- applying Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) requirements
- communicating technical information clearly and concisely
- establishing communications plan
- identifying operational communication needs
- interpreting topographic, meteorological and geophysical data and its impact on communication
- planning, solving problems and make decisions about communication network implementation
- preparing, implementing and monitoring communications plan
- terminating communication network
- using communications equipment

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria and includes knowledge of

- communication resources and capabilities
- communication strategies
- factors that influence communication network performance
- features of different communication equipment and networks
- installation and performance of communication equipment internet and mobile communication technologies and systems
- operational context and considerations for communication pre-plans organisational documentation
- organisational policies and procedures including legislation related to the Federal Radio Communications Act; operational, corporate and strategic plans; communication policies and personnel roles and responsibilities

- requirements for communication networks
- roles, resources and capabilities of other communication providers
- security issues for operational communication networks
- Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) legislated responsibilities, practices and guidelines including risk mitigation

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

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Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Assessment must occur in workplace operational situations. Where this is not appropriate, assessment must occur in industry approved simulated workplace operational situations that reflect workplace conditions.

Competency must demonstrate skills and knowledge of operational communication considerations including access to

- adverse radio or telecommunications conditions
- an established operations centre or operations in a field situation
- determinations of scope, size and nature of response
- limited resources
- pre-planned communication networks
- single or multi-agency or organisational response

Resources for assessment must include access to

- a range of relevant exercises, case studies and/or simulations relevant and appropriate materials, tools and personal protective clothing and equipment currently used in industry including
 - organisational communications equipment
- applicable documentation including organisational procedures, industry standards, equipment specifications, regulations, codes of practice and operations manuals.

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