



Australian Government

AHCWRK302 Monitor weather conditions

Release: 2

AHCWRK302 Monitor weather conditions

Modification History

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 3.0.
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0.

Application

This unit of competency describes the skills and knowledge required to monitor and interpret weather and climate conditions and assess the likely impact on work functions and activity.

The unit applies to individuals who work under broad direction and take responsibility for their own work. They use discretion and judgement in the selection, allocation and use of available resources and for solving problems.

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

Pre-requisite Unit

Nil

Unit Sector

Work (WRK)

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. Interpret weather and climate information	1.1 Monitor weather and climate information and warnings to determine likely conditions according to workplace procedures 1.2 Anticipate and assess potential variations in weather and climate conditions according to warnings, weather patterns and historical experience

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.3 Identify the possible impacts of weather and climate on workplace activity 1.4 Identify and review options for appropriate preventative actions
2. Carry out preventative actions within the workplace	2.1 Disseminate information and advice according to workplace procedures 2.2 Plan preventative action according to the known effects on workplace activities 2.3 Implement actions to minimise adverse effects on workplace activities according to workplace procedures 2.4 Adjust and revise workplace activities and schedules according to weather conditions
3. Monitor weather and climate	3.1 Access regular weather updates to determine the ongoing suitability of current programs 3.2 Review the viability of management practices and scheduling of work tasks to ensure suitability within weather conditions 3.3 Maintain currency of forecasting skills according to workplace procedures and personal requirements 3.4 Record weather information according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	Analyses and consolidates weather reports, warning and data from a range of sources to interpret for actions
Writing	Accurately documents weather warning for dissemination and records weather and climate data according to workplace procedures using appropriate language, grammar and terminology
Numeracy	Performs mathematical calculations to interpret and compare weather data
Learning	Plans and implements professional development to maintain

Skill	Description
	weather interpretation and forecasting skills
Navigate the world of work	• Takes responsibility for following explicit and implicit policies, procedures
Interact with others	• Selects and uses appropriate conventions and protocols when disseminating weather warning to co-workers in a range of work contexts
Get the work done	• Takes responsibility for planning, sequencing and prioritising tasks and workload • Uses familiar digital technologies and systems to access weather information • Makes routine decisions and implements standard procedures for tasks

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCWRK302 Monitor weather conditions Release 2	AHCWRK302 Monitor weather conditions Release 1	Minor changes to Performance Criteria for clarity Updated Performance Evidence and Knowledge Evidence	Equivalent unit

Links

Companion Volumes, including Implementation Guides, are available at VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCWRK302 Monitor weather conditions

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit. There must be evidence that on at least one occasion the individual has demonstrated that they have monitored weather conditions, including:

- monitored and interpreted weather and climate information and considered the impact on work activities and current operations
- interpreted weather and climate conditions to determine preventative actions
- communicated warnings and concerns to others according to workplace procedures
- determined and implemented preventative actions to minimise impact of adverse weather conditions on workplace activities
- monitored ongoing changes to weather conditions and reviewed prevention actions
- reviewed personal currency of skills in weather forecasting and implemented a personal development plan
- recorded weather information according to workplace procedures.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- weather and climate conditions and its impact upon agriculture, horticulture and conservation activities, including:
 - humidity
 - temperature
 - sunlight light
 - ΔT
 - frosts
 - inversions

- dew point
- wind - force and direction
- rainfall - precipitation rate and frequency
- effect of adverse weather conditions on agriculture, horticulture and conservation activities
- strategies to mitigate effects of adverse weather and climatic conditions on agriculture, horticulture and conservation activities
- methods of monitoring and interpreting weather and climatic conditions, including:
 - bureau of meteorology
 - local weather stations
 - weather meters
- enterprise and industry procedures for monitoring weather and climate conditions and recording and reporting
- strategies for maintaining personal development in weather monitoring and forecasting skills.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in an agriculture or horticulture or conservation environment or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - weather stations or weather meter relevant to workplace
 - computer or similar technologies to access weather data
- specifications:
 - workplace procedures, instructions or job specifications relevant to assessing the effects of weather conditions
 - weather reports, warnings and climate data relevant to workplace
- relationships:
 - team members for dissemination of weather warning information.

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

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