



Australian Government

**Assessment Requirements for SISOPLN005
Interpret weather and environmental
conditions for outdoor recreation activities**

Release: 1

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Modification History

Not applicable.

Performance Evidence

Evidence of the ability to complete tasks outlined in elements and performance criteria of this unit in the context of the job role, and:

- for a particular region or locality and for a particular type of outdoor recreational activity:
 - interpret weather and environmental conditions for the seasons of operation and outline the following in a brief written or verbal report to include:
 - nature of different weather conditions in different seasons
 - nature of environmental events that occur and likelihood of their onset
 - activity specific hazards associated with those conditions
 - optimum time for operation of activities
 - interpret weather and environmental conditions for the operation of three forthcoming activity sessions and outline the following in a brief written or verbal report:
 - the predicted weather conditions for the duration of each activity session
 - activity specific hazards associated with the onset of particular weather conditions and environmental events
 - how activities can be delivered to provide for the safety and wellbeing of participants
 - utilise options provided in Assessment Conditions to interpret weather conditions in the field during the operation of two activity sessions and determine required activity modifications to suit prevailing conditions.

Knowledge Evidence

Demonstrated knowledge required to complete the tasks outlined in elements and performance criteria of this unit:

- different types of weather maps, forecasts, current weather and environmental event information that are available
- trusted sources and technologies used to access weather and environmental event information
- methods used to predict and record weather conditions
- characteristics of different map types and their different uses:
 - mean sea level pressure analysis
 - synoptic charts
 - forecast charts

- marine wind forecasts
- symbols and colours used on weather maps, what they represent, and associated weather conditions:
 - cyclones
 - anti-cyclones
 - isobars
 - depressions
 - troughs
 - ridges
 - fronts – cold, warm, stationary, occluded
 - precipitation type and intensity - drizzle, rain, hail, sleet, snow
 - wind speed and direction
 - sky, cloud cover
 - temperature
- difference between current weather conditions and current forecast
- different cloud types, altitude range and effects on ground weather:
 - cirrus
 - stratus
 - cumulus
 - nimbus
 - cumulonimbus
- for a particular region or locality:
 - the general seasonal patterns of weather and environmental events to include:
 - temperature
 - humidity
 - precipitation
 - winds of different types, strengths and directions, common wind chill factors and how these are ascertained
 - storms
 - lightning
 - cyclones
 - floods
 - bush fires
 - droughts
 - tides and currents, as relevant
 - difference between large scale and localised weather conditions and forecasts
 - different topography and landforms present, and effects on local weather
 - hazards associated with local weather conditions and environmental events, including those which are life threatening, (e.g. storms, lightning, cyclones, floods, tides, currents, bush fires, droughts)

- specific to the particular type of outdoor recreation activity:
 - particular weather conditions and weather hazards which affect operations
 - particular hazardous environmental events which affect operations
 - adjustments that can be made to provide for the safety and wellbeing of participants
 - when conditions are so extreme that activities must be abandoned
- how the following can be used to estimate probable changing weather conditions and onset timelines:
 - wind and direction
 - temperature
 - sky colour, cloud type and coverage.

Assessment Conditions

Skills for in the field interpretation of weather must be demonstrated in an environment specific to the particular type of outdoor recreation activity.

Assessment must ensure use of:

- information about the region and locality to allow the individual to evaluate specific characteristics related to topography, landforms, weather conditions and environmental events
- real workplace situations, or simulated activities, or case study scenarios that test aspects of this unit that involve in the field activity modifications
- different types of weather maps
- weather forecasts for the region and locality
- forecasts for and information about environmental events
- specific to the particular type of outdoor recreation activity:
 - programs plans
 - activity plans for sessions.

Assessors must satisfy the Standards for Registered Training Organisations requirements for assessors, and:

- have a collective period of at least three years' experience with an organisation providing recreational programs where they have applied the skills and knowledge covered in this unit of competency; the three years' experience can incorporate full and or part time experience.

Links

Companion Volume Implementation Guides -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1ca50016-24d2-4161-a044-d3faa200268b>