



**Australian Government**

# **POLSAR005 Undertake marine search and rescue duties**

**Release: 1**

# POLSAR005 Undertake marine search and rescue duties

## Modification History

| Release | Comments                                                                                                         |
|---------|------------------------------------------------------------------------------------------------------------------|
| 1       | This unit was released in POL Police Training Package release 1.0 and meets the Standards for Training Packages. |

## Application

This unit describes the skills required to prepare marine search and rescue (SAR) responses, determine current location and destination, plan safe routes/courses, and plan marine search and rescue operations.

This unit applies to those working as police staff involved in police marine search and rescue operations. It may be applied in the field and within office environment.

The skills and knowledge described in this unit must be applied within the legislative, regulatory and policy environment in which they are carried out. Organisational policies and procedures must be consulted and adhered to, particularly those related to work health and safety (WHS) within a marine environment.

Those undertaking this role will work within multi-agency teams and often liaise with stakeholders, while completing complex tasks in a broad range of contexts. They will have to make decisions independently while giving consideration to financial and human resource management requirements.

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

## Competency Field

Search and rescue

## Elements and Performance Criteria

| ELEMENTS                                                | PERFORMANCE CRITERIA                                                                                                                                                                                                                                 |
|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Elements describe the essential outcomes                | Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions section.                                              |
| <b>1. Prepare for marine search and rescue response</b> | 1.1 Establish rescue coordination centre to facilitate coordination of marine search and rescue operations.<br>1.2 Establish communications to facilitate flow of information.<br>1.3 Access jurisdictional information management systems to gather |

|                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                 | <p>information in relation to target and vessel.</p> <p>1.4 Assess characteristics of target and vessel to inform search and rescue response.</p>                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>2. Determine current location, destination and resources</b> | <p>2.1 Gather information relating to the location and details of incident to inform marine search and rescue operation.</p> <p>2.2 Identify charts, electronic navigation aids and navigation equipment to source information.</p> <p>2.3 Interpret information from charts for planning purposes.</p> <p>2.4 Evaluate sea state, currents and tidal patterns to identify impacts on marine search and rescue operations.</p> <p>2.5 Plot current location and estimated destination of vessel in distress on a chart using marine navigation techniques.</p> |
| <b>3. Determine and plan a safe route/course</b>                | <p>3.1 Compile operational plan, including initial search areas chart work.</p> <p>3.2 Record all plots/search areas on chart using overlays and allowing for variables and prevailing conditions.</p> <p>3.3 Estimate rescue asset's speeds, search time, investigation time and endurance within prevailing conditions to provide an estimated search time.</p> <p>3.4 Identify potential obstacles and hazards to determine safe route/course.</p>                                                                                                          |
| <b>4. Perform marine search and rescue response</b>             | <p>4.1 Determine datum of target using wind and currents.</p> <p>4.2 Utilise marine search strategies to inform marine search and rescue operations.</p> <p>4.3 Select marine search patterns in accordance with prevailing conditions.</p> <p>4.4 Identify specialist marine resources to facilitate marine search and rescue operations.</p> <p>4.5 Allocate taskings for resources to facilitate marine search and rescue operations.</p> <p>4.6 Modify marine search strategies using on scene intelligence.</p>                                           |

## Foundation Skills

The foundation skills demands of this unit have been mapped for alignment with the Australian Core Skills Framework (ACSF). The following tables outline the performance levels indicated for successful attainment of the unit.

ACSF levels indicative of performance:

|             |   |   |   |   |         |   |   |   |   |         |   |   |   |   |                    |   |   |   |   |          |   |   |   |   |
|-------------|---|---|---|---|---------|---|---|---|---|---------|---|---|---|---|--------------------|---|---|---|---|----------|---|---|---|---|
| 1           | 2 | 3 | 4 | 5 | 1       | 2 | 3 | 4 | 5 | 1       | 2 | 3 | 4 | 5 | 1                  | 2 | 3 | 4 | 5 | 1        | 2 | 3 | 4 | 5 |
| Learning NA |   |   |   |   | Reading |   |   |   |   | Writing |   |   |   |   | Oral communication |   |   |   |   | Numeracy |   |   |   |   |

Performance variables:

|         |   |   |   |   |         |   |   |   |   |                 |   |   |   |   |                 |   |   |   |   |
|---------|---|---|---|---|---------|---|---|---|---|-----------------|---|---|---|---|-----------------|---|---|---|---|
| 1       | 2 | 3 | 4 | 5 | 1       | 2 | 3 | 4 | 5 | 1               | 2 | 3 | 4 | 5 | 1               | 2 | 3 | 4 | 5 |
| Support |   |   |   |   | Context |   |   |   |   | Text complexity |   |   |   |   | Task complexity |   |   |   |   |

Further information on ACSF and the foundation skills underpinning this unit can be found in the Foundation Skills Guide on the GSA website.

## Unit Mapping Information

No equivalent unit.

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=98c3984e-2cf1-48a8-8ed1-85e4b92e7351>

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# Assessment Requirements for POLSAR005 Undertake marine search and rescue duties

## Modification History

| Release | Comments                                                                                                                             |
|---------|--------------------------------------------------------------------------------------------------------------------------------------|
| 1       | These Assessment Requirements were released in POL Police Training Package release 1.0 and meet the Standards for Training Packages. |

## Performance Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the candidate must demonstrate evidence of performance of the following on at least one occasion.

- assessing marine search and rescue requirements
- facilitating coordination of marine search and rescue operations
- collecting and assessing information on marine search and rescue requirements
- evaluating marine and weather conditions to inform search and rescue operations
- determining target locations, distances and destinations
- communicating and coordinating with stakeholders within marine search and rescue context
- applying appropriate marine search and rescue tools and techniques
- documenting progress and outcomes of marine search and rescue

## Knowledge Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the depth of knowledge demonstrated must be appropriate to the job context of the candidate.

- international treaties relating to maritime safety
- principles of marine navigation
- search and rescue datum planning
- weather patterns
- currents
- sea state
- drift patterns
- variation and deviation
- obstacles to marine navigation
- basic marine navigation tools
- formulas relating to marine search and rescue

- local marine environment
- common marine scenarios
- limitations/regulations which impact marine search

## Assessment Conditions

This unit contains no specific industry-mandated assessment conditions. Guidance on suggested and recommended conditions and methods can be found in the Implementation Guide.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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