



Australian Government

RIIEGS305D Navigate in remote or trackless areas

Release: 2

RIIEGS305D Navigate in remote or trackless areas

Modification History

Release	Comment
1	This unit replaces RIIEGS305B Navigate in remote or trackless areas
2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Application

This unit describes a participant's skills and knowledge required to navigate in remote or trackless areas in Metalliferous mining.

This unit is appropriate for those working in operational roles.

Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between states, territories, and Industry sectors. Relevant information must be sourced prior to application of the unit.

Unit Sector

Metalliferous mining

Elements and Performance Criteria

1. Plan and prepare to navigate in remote or trackless areas	1.1. Access, interpret and apply navigation in remote or trackless areas documentation and ensure the work activity is compliant 1.2. Select the type of map(s) suitable for the activity 1.3. Identify possible sources of error and inaccuracies on the map 1.4. Identify symbols and information contained on the map 1.5. Identify the way in which relevant symbols and information on the map can be used in navigation
2. Use a compass	2.1. Identify the essential features of a compass 2.2. Demonstrate the manner in which a compass is used to maintain a designated course 2.3. Demonstrate how compass use reflects understanding of the

	factors that affect accuracy
3. Plan a route for remote or trackless areas	3.1. Apply symbols and information contained on the <i>map</i> to plan an efficient route/course suitable to navigation and activity-specific abilities 3.2. Obtain additional information to assist in the preparation of a navigation data sheet from the map and from other suitable sources of information 3.3. Identify potential hazards associated with navigating through adverse environmental conditions 3.4. Consider other contextual issues in the planning of a route 3.5. Prepare a navigation data sheet/route card 3.6. Identify emergency or contingency escape routes 3.7. Consider environmental impact issues in the planning of a route
4. Navigate in remote or trackless areas	4.1. Maintain orientation of map to surroundings 4.2. Identify possible sources of navigation error in specific locations 4.3. Use combined map, compass and other techniques whilst following a route in unmodified landscapes 4.4. Employ techniques for distance estimations of travel in the absence of identifying features 4.5. Maintain the designated course whilst bypassing obstacles 4.6. Maintain a course in adverse environmental conditions and/or poor visibility 4.7. Fix position accurately and regularly using a combination of appropriate navigation techniques 4.8. Select an efficient route choice for the surroundings and conditions 4.9. Employ suitable combinations of navigation techniques to fix position and identify unknown features when in unfamiliar surroundings/location

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

Unit Mapping Information

RIIEGS305A Navigate in remote or trackless areas

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>