



Australian Government

RIIERR201 Conduct fire team operations

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Modification History

Release	Comments
1	This unit of competency was first released in RII Resources and Infrastructure Industry Training Package Release 11.0.

Application

This unit describes the skills and knowledge required to conduct fire team operations, including fighting and containing fires.

This unit applies to those working in site-based roles in the mining, drilling, extractive, and civil infrastructure industries.

Licensing/Regulatory Information

Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between States, Territories and industry sections, and must be sourced from state jurisdictions prior to applying the unit.

Pre-requisite unit(s)

No prerequisite units.

Competency field(s)

N/A

Unit sector(s)

Civil infrastructure

Coal mining

Drilling

Extractive

Metalliferous mining

Elements and Performance Criteria

Element	Performance criteria
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<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for fire team operations	<p>1.1 Receive, document, clarify and confirm notification of fire operations from appropriate authority</p> <p>1.2 Access, interpret and apply fire team operations documentation and procedures</p> <p>1.3 Obtain, interpret, clarify and confirm work requirements</p> <p>1.4 Identify hazards and environmental issues, assess risks, and implement control measures in line with workplace procedures</p> <p>1.5 Identify and confirm each team member's role and responsibilities</p> <p>1.6 Implement appropriate communication methods to be used during fire-fighting and containment in line with workplace procedures</p> <p>1.7 Locate, select and wear personal protective equipment required for work activities</p> <p>1.8 Identify and select required firefighting appliances and confirm their applications</p>
2. Fight and contain fire	<p>2.1 Move to fire site according to workplace procedures</p> <p>2.2 Identify and assess type, nature, source and intensity of fire, and communicate details to appropriate authorities</p> <p>2.3 Identify, select, wear and apply appliances, respiratory protection and equipment appropriate to fire circumstances</p> <p>2.4 Monitor conditions in fire area, and modify firefighting techniques and applications to reduce impact of identified and potential hazards</p> <p>2.5 Monitor situation and implement control measures to minimise risks to self and other team members</p> <p>2.6 Apply isolation and evacuation procedures</p>
3. Conclude fire team operations	<p>3.1 Water, rake down, and apply chemicals to fire area to minimise fire recurrence, as appropriate to fire circumstances</p> <p>3.2 Isolate, barricade, rope off, secure, and monitor fire area</p> <p>3.3 Clean and inspect appliances and equipment and store in designated location</p> <p>3.4 Report, record and process appliances and equipment for maintenance, replacement or repair</p> <p>3.5 Participate in debriefs</p>

	3.6 Complete and file documentation, and distribute according to workplace requirements
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Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

Skill	Description
Reading	<ul style="list-style-type: none"> Identifies and interprets relevant information and ideas from workplace procedures, documentation, legislation, and regulations
Oral Communication	<ul style="list-style-type: none"> Uses everyday language to provide information and maintain conversations in site-based contexts Listens for relevant information in oral texts in site-based contexts
Numeracy	<ul style="list-style-type: none"> Interprets data relating to fire intensity and weather conditions, and determines type and quantity of required appliances and equipment

Range of conditions

No conditions apply to this unit of competency at the time of publication.

Unit Mapping Information

Current Code and Title	Previous Code and Title	Comments	Equivalence
RIIERR201 Conduct fire team operations	RIIERR201E Conduct fire team operations	Updates to elements and performance criteria, assessor requirements, use of industry experts, knowledge evidence and performance evidence.	Equivalent

Assessment Requirements for RIERR201 Conduct fire team operations

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1	This unit of competency was first released in RII Resources and Infrastructure Industry Training Package Release 11.0.

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements and performance criteria of this unit.

The candidate must demonstrate completion of fire team operations that safely, effectively and efficiently follow legislative requirements and workplace procedures to meet required outcomes on at least two separate occasions in different fire environments. This includes:

- fighting and containing fires, including:
 - selecting appliances, respiratory protection and equipment appropriate to fire circumstances
 - continually monitoring conditions in fire area and modifying firefighting techniques and applications
 - applying isolation and tagging procedures for faulty appliances
- finalising operations, including:
 - isolating, overhaul, securing, and monitoring fire area
- avoiding fire recurrence by:
 - watering
 - raking down
 - applying chemicals
- inspecting and reporting appliances and equipment for maintenance, replacement or repair

In the course of the above work, the candidate must also:

- monitor atmospheric conditions as appropriate to scenario
- apply technical fire operational information
- apply decision-making and troubleshooting techniques
- meet written and verbal reporting requirements and procedures associated with conducting fire team operations.

Knowledge Evidence

The candidate must demonstrate the following knowledge to effectively complete the tasks outlined in the elements and performance criteria of this unit.

Key policies, procedures, and legislative and regulatory requirements for the fire team operations described in the performance evidence above, including those relating to:

- ventilation systems
- isolation and tagging
- firefighting methods and equipment
- communication and reporting
- basic teamwork

Key site information relating to fire operations, including:

- basic site geology and survey information
- basic building structural information
- hazardous materials storage locations

Key features associated with fire team operations, including:

- causes, characteristics, hazards and responses to types of fire
- site gases and characteristics
- critical situation dynamics and control.

Hazardous atmospheres including:

- conditions under which atmospheres become hazardous
- strategies for environmental protection
- post incident decontamination principles and procedures
- effects on humans exposed to commonly encountered hazardous materials including local and systemic effects of industrial toxins

Assessment Conditions

The assessment must:

- include access to:
 - firefighting appliances
 - personal protective equipment required for the activities described in the performance evidence
- be conducted in a safe environment
- be assessed in the context of this sector's work environment

- be assessed in compliance with relevant legislation and regulations; and using policies, procedures, processes and operational manuals directly related to the industry sector for which it is being assessed
- confirm consistent performance can be applied in a range of relevant workplace circumstances.

Assessment must occur in workplace operational situations. Where this is not appropriate, assessment must occur in a simulated workplace operational situation* that reflects workplace conditions.

*Guidance on simulated environments has been stipulated in the RII Companion Volume Implementation Guide

Assessor Requirements

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

Industry Experts

An industry expert engaged by an RTO to wholly or partially conduct assessment, independently or together with another assessor, or be involved in an assessment judgement, must also satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.

In addition to the requirements in applicable vocational education and training legislation, frameworks and/or standards, **assessors and industry experts** must also have:

- A minimum of two (2) years industry experience, directly relevant to the training and assessment being provided
- Where the training and assessment is delivered in an emergency response context, the industry experience in total must be directly relevant to an emergency responder role

Link

Companion volumes, including implementation guides, are found on the national training register - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>.