



Member Examination Syllabus 2018

Prescription

The Member examinations draw on a well-defined in-depth range of knowledge and in-depth specific activities relevant to urban, rural and operational support firefighters who have successfully completed the Associate examination programme. Candidates must demonstrate a significant understanding of knowledge in operational and leadership tasks and strategies.

Assessment Methods

The assessment takes the form of two written three-hour examinations. Both examinations consist of long answer sections.

Member Examination A: Fireground Operations

Subject	Total Marks
Fire Science	30
Fire Attack	30
Fire Investigation	30
Hazardous Substances	30
Rescue	30
TOTAL MARKS AWARDED	150

Member Examination B: Leadership and Command

Subject	Total Marks
Safety and Wellbeing	30
Command and Control	30
Station Administration	30
Legislation	30
Case Study Analysis	30
TOTAL MARKS AWARDED	150

Learning Outcomes

Studying for this unit provides the opportunity to develop an in-depth knowledge in applied operational and leadership tasks. Candidates who achieve this examination should be able to:

- Define fire behaviour and apply strategies and tactics to suppress fire
- Demonstrate a leadership presence relevant to firefighting operations
- Demonstrate a working knowledge of “Special Service” incidents and their responses
- Identify deficiencies and assist with ensuring that a safe working environment is provided during firefighting operations
- Describe fundamental aspects of command and control techniques and how to implement them
- Demonstrate an understanding of station and crew management
- Detail legislative responsibilities and tasks aligned with fire and emergency response activities
- Identify learning outcomes and summaries from a case study with which to improve fire and emergency responses

Learning outcomes will be realized through self-directed learning and study, supported by access to online resource material.

Study Material

The examination resources list covers the topics likely to be included in the examination.

The reference material is drawn from Firenet and may be located by using the search function within each website.

Pass Mark

60% or 90 marks are required to pass.

Examination resources – Member Examination A: Fireground Operations

Subject	Topic	Reference Material
Fire Science	Principles of Fire Science	QFC-1-07 - Fire Science and Ventilation study guide Section 1: Principles of Fire Science Section 2: Practical Fire Science
Fire Attack	Fire Suppression Specific Tasks	F1 GD Fire Suppression guide Volunteer Station Officer TAPS Programme Module 5: Fire Suppression Rural Firefighting: Vegetation Fire Environment
Fire Investigation	Fire Investigation	P3-TM Fire Investigation Technical Manual Section 6: The Investigation Process
Hazardous Substances	Haz Subs Responses	H1-TM Hazardous Materials Technical Manual Section 5: Render Safe, Mitigation and Containment
Rescue	Rescue Responses	MVA-TM Motor Vehicle Accidents Technical Manual Section 7: Extrication Techniques

Examination resources – Member Examination B: Leadership and Command

Subject	Topic	Reference Material
Safety and Wellbeing	Fireground Safety	Operational Safety Electrical Safety Volunteer Station Officer TAPS Programme Module 2: Safety and Wellbeing
Command and Control	Incident Size-up and management	M1 Command and Control technical manual Section 3: Risk Assessment, Strategy and Tactics Section 4: Exercising Command and Control
Leadership and Administration	Station Administration	Volunteer Issues Process Interim Dispute Resolution Process Operational Skills Maintenance policy Rural Firefighting: Lead a Vegetation Fire Crew
Legislation	Responses Built Environment	Fire and Emergency New Zealand Act 2017 Sections 38 to 68 Building Regulations 1992 Clauses C2 to C6 - Fire safety NZFS Guide to Evacuation Schemes
Case Study Analysis	Operational Review	Port Hills Fire - AFAC Operational Review