



National Operational Guidance

Control measure

Consider appropriate wildfire suppression tactics and develop and implement a tactical plan



NFCC
National Fire
Chiefs Council

Developed and maintained by the NFCC



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TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Develop and implement a tactical plan	Understand: <ul style="list-style-type: none">• Why the tactical plan should be based on the expected/potential wildfire behaviour• How tactical priorities should be based on identifying locations and times, where the wildfire behaviour is within the threshold of control of available resources



Control measure element

Learning outcome

Consider appropriate wildfire suppression tactics

Understand:

- The considerations when selecting fire suppression tactics which are appropriate to the expected wildfire behaviour
- How flame length should be used to indicate appropriate fire suppression tactics.
- The risks associated with working close to the wildfire edge
- The different wildfire direct attack techniques and their limitations
- The different wildfire indirect attack techniques and their limitations
- How to organise and form effective wildfire teams
- The different tactics that can be applied by aerial assets at wildfire incidents
- Why it is important that ground teams provide support to aerial operations at wildfire incidents
- How to safely manage the use of tactical fire operations as a suppression method at wildfire incidents
- The roles and responsibilities of a burn team including:
 - Burn Supervisor
 - Burn Operative
 - Members of the holding team
- How to apply an offensive burn at a wildfire incident
- How to apply a defensive burn at a wildfire incident

Understanding the wildfire environment

Understand how wildfires are classified



Control measure element	Learning outcome
Understanding the influences of fuel on wildfire behaviour	<p>Understand:</p> <ul style="list-style-type: none">• The different fuel types within the wildfire environment• The influence of fuel size on wildfire behaviour• The influence of fine wildfire fuels within the combustion process• The influence of fuel arrangement within the wildfire environment• What is meant by the term `relative humidity` and its effect on the combustibility of different wildfire fuels
Understanding the influence of weather on wildfire behaviour	<p>Understand:</p> <ul style="list-style-type: none">• The effects of solar radiation on wildfire behaviour• How the strength and direction of wind can affect wildfire spread and intensity• The different effects of a stable or unstable atmosphere on wildfire behaviour• How changes to weather conditions during an incident can alter wildfire behaviour• The effects of the daily weather cycle within the wildfire environment• The effects of a prolonged drying environment on wildfire behaviour• How micro climates have an impact and effect on the behaviour of wildfires



Control measure element

Learning outcome

Understand the effects of topography on wildfire behaviour

Understand:

- How different topographical features can influence wildfire behaviour
- Why wildfire behaviour differs when burning up or down slope
- How the shape of topography may alter wind direction at wildfire incidents
- How the orientation of a slope in relation to the position of the sun will effect wildfire behaviour
- How certain features of terrain may act as barriers to the spread of wildfire

Understand how fuel, weather and topography interact within the wildfire environment

Understand:

- The combustion process within the wildfire environment
- The factors which may cause rapid changes to wildfire behaviour
- The situations where extreme wildfire behaviour may occur
- The indicators of extreme wildfire behaviour

Understand the correct wildfire terminology

- The different wildfire terms relating to wildfire behaviour

Practical application

Control measure element

Learning outcome

Develop and implement a tactical plan

Demonstrate the ability to:

- Use available information to develop and implement a safe and effective wildfire tactical plan
- Use topographical mapping to establish an understanding of the landscape for wildfire incidents



Control measure element

Learning outcome

Consider appropriate wildfire suppression tactics

Demonstrate the ability to:

- Apply wildfire behaviour information and decide which fire suppression tactics are appropriate
- Use specialist wildfire tools and equipment
- Plan and complete a safe and effective tactical burn