PUAFIR204 Practical Scenario Walkthrough

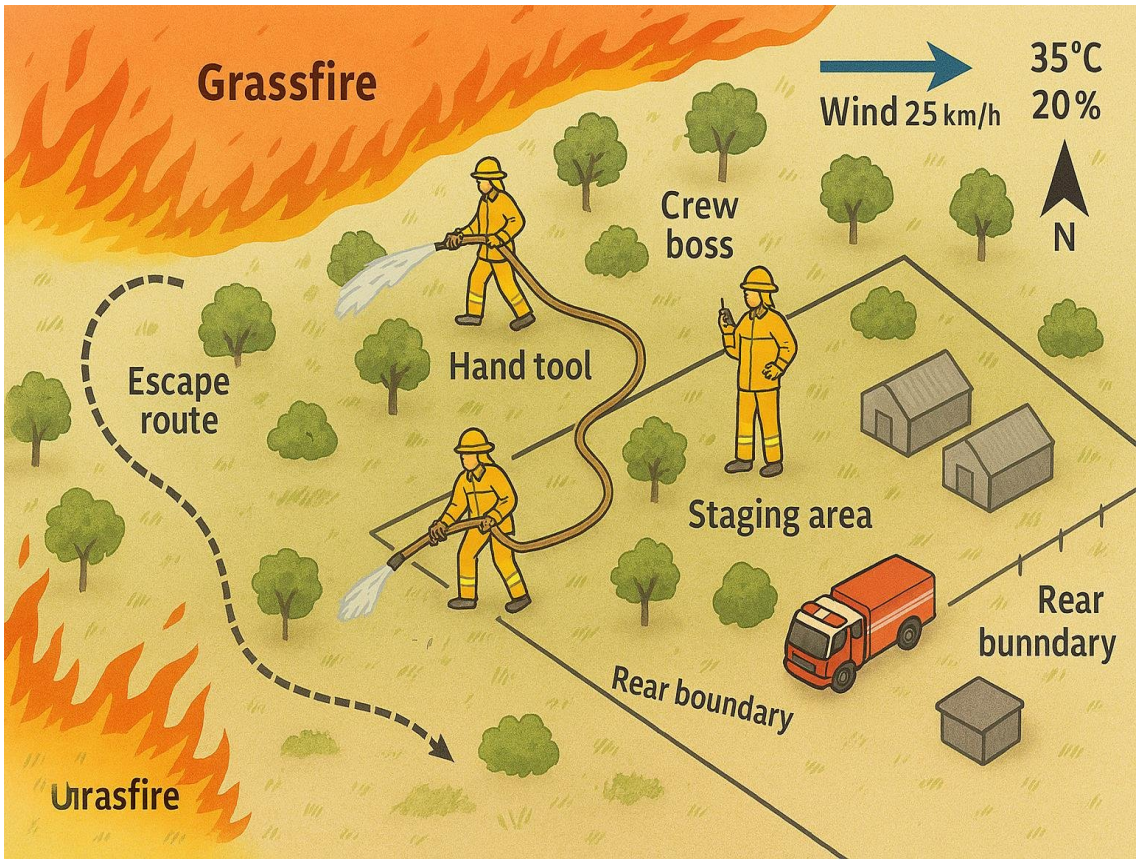
Scenario Overview

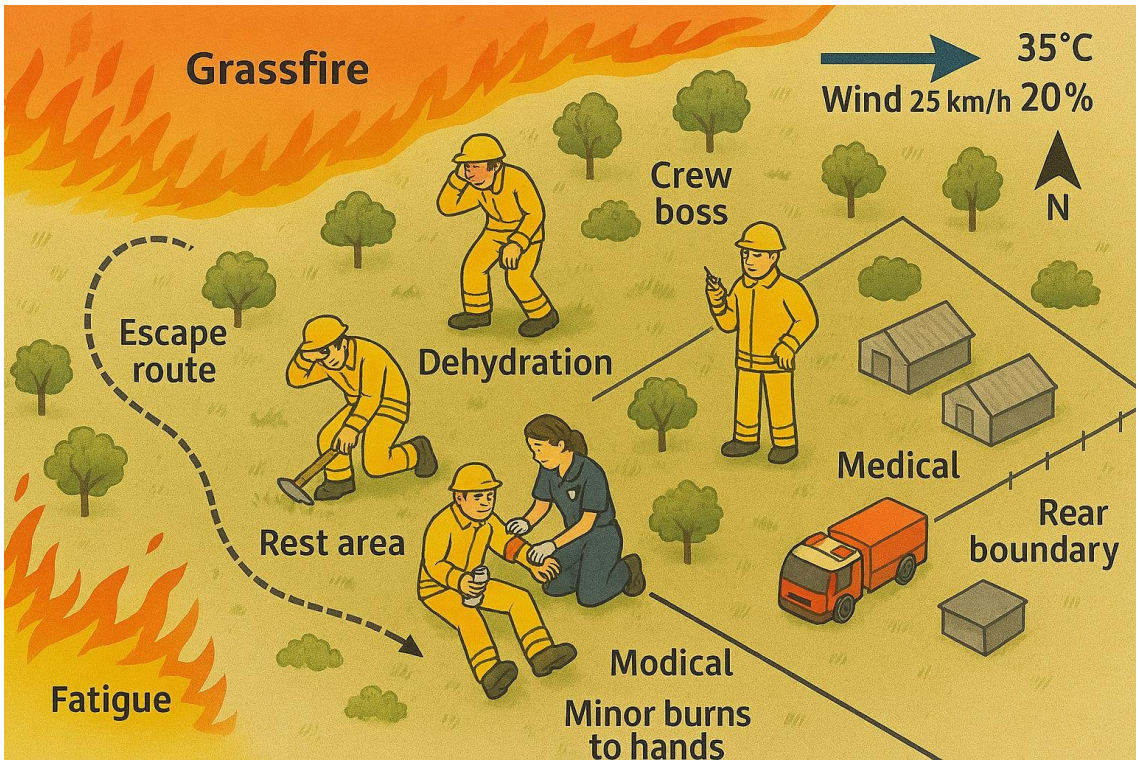
You are part of a four-person crew deployed to respond to a **fast-moving grassfire** approaching a rural property. The weather is **hot (35°C), dry (RH 20%), and windy (25 km/h from the northwest)**. The terrain is **gently sloping paddocks with scattered trees and light scrub**. Your task is to **assist in controlling the fire's edge near the rear boundary of the property**, where it's threatening sheds and fencing.

Some of the crew are showing signs of fatigue and dehydration.

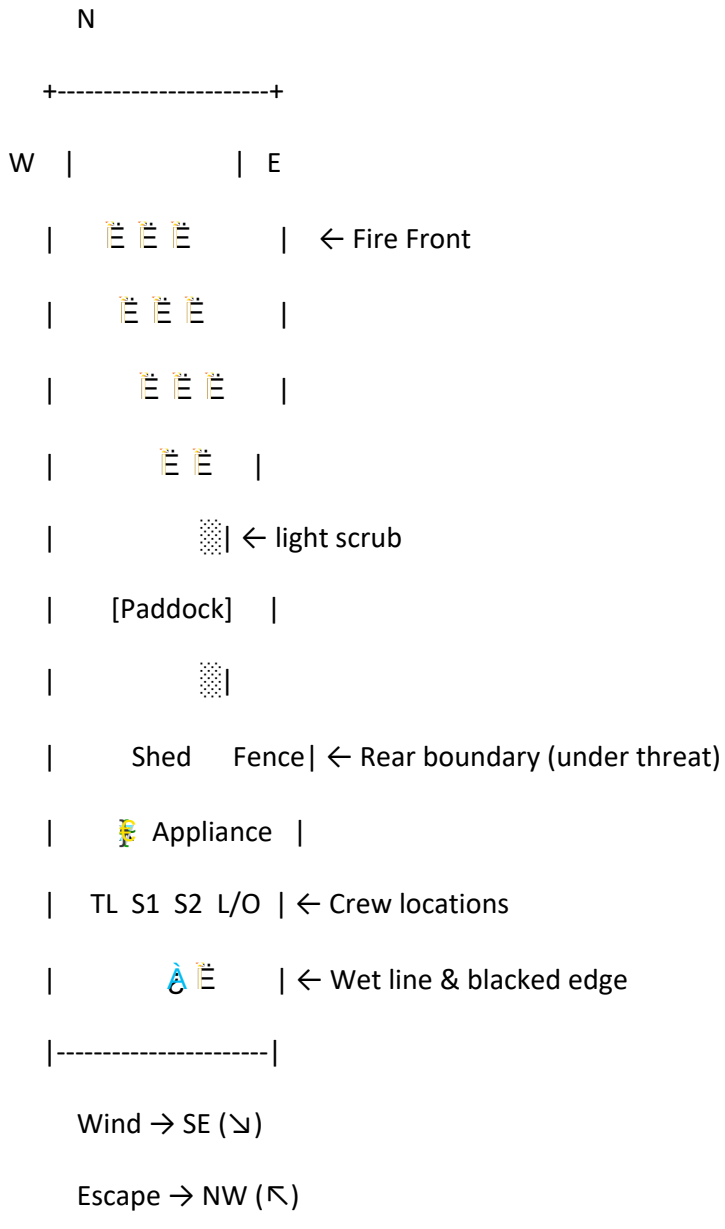
One of the crew members has a superficial burn on the hand and is being treated by a first responder

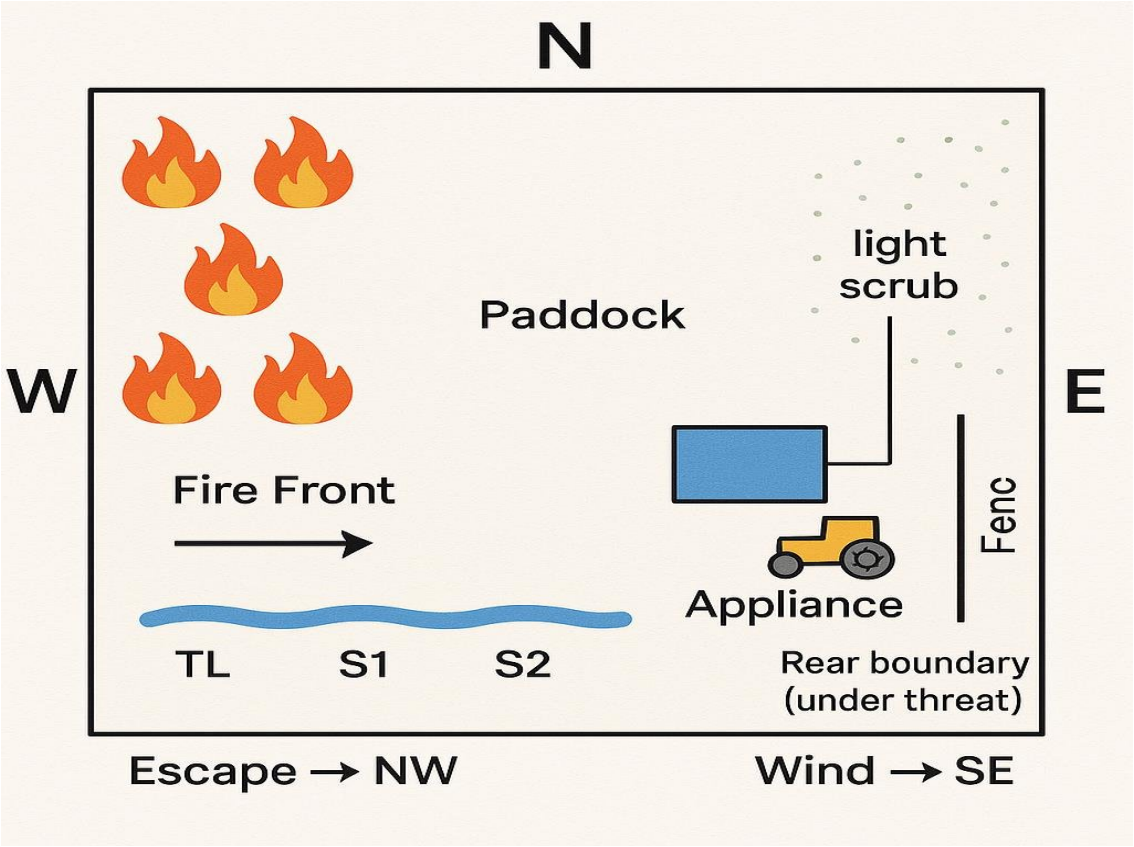



Grassfire
Wind 25 km/h
35°C
20%
N
Crew boss
Hand tool
Escape route
Staging area
Rear bunndary
Rear boundary
Urasfire


Grassfire
35°C
Wind 25 km/h 20%
N
Crew boss
Escape route
Dehydration
Medical
Rest area
Rear boundary
Modical
Fatigue
Minor burns to hands

Pictorial View of the Scene




N
W
E
Paddock
light
scrub
Fire Front
Fenc
Appliance
TL
S1
S2
Rear boundary
(under threat)
Escape → NW
Wind → SE

☑ 1. Arrival and Initial Assessment

PUAFIR204 – Student Worksheet

Arrival and Initial Assessment – Wildfire Response Scenario

Instructions:

Read the wildfire scenario and complete the worksheet by identifying key steps to take upon arrival. Use the diagram provided to support your decisions and complete each section thoroughly.

1. Dynamic Risk Assessment

What environmental and fire behaviour factors will you assess upon arrival?

2. Establish Situational Awareness

What information do you need about the fireground? Who might you communicate with for more info?

3. Crew & Appliance Positioning

Where would you position the appliance and crew members? Justify your decisions.

- Appliance position:
- Crew member positions:
- Safety considerations:

4. Communications Check

What messages should you send to dispatch/control?

5. Immediate Actions

What actions will you take immediately to protect assets and contain the fire?

6. Assign Roles

What roles will each crew member take on and why?

- TL:
- S1:
- S2:
- L/O:

7. Apply LACES Protocol

Describe how you will apply each part of the LACES protocol in this situation:

- Lookouts:
- Awareness:
- Communications:
- Escape Routes:
- Safety Zones:

Decision point:

Decision-Making Scenario – Spot Fire Ahead

“You notice a small spot fire 50m ahead of the fire front.

It is burning in similar light fuels and the wind is pushing it further into unburnt ground.

Do you attempt to control it, report it, or continue along the current fire edge?”



🔥 Summarize your **approach to this spot fire**

Question:

Do you:
1. Attempt to control the spot fire immediately?
2. Report it to your Team Leader or Incident Controller?
3. Continue working along the current fire edge?

Justify your decision below.

Your Justification:

☑ 2. Fire Suppression Activity

Eastern Edge Fire Control Task – Actions & Equipment

Scenario:

You've been directed to use hand tools and hose lines to control the eastern edge of the fire near the fence line. The fire is active, moving westward with SE winds, and the fence line is a rear boundary under threat. You're operating with a small team.

What actions and resources (equipment) would you require to control the eastern edge of the fire



1. Actions to Control the Fire Edge

Describe what steps you would take with your team:

2. Required Resources & Equipment

List what you would use and why:

- Hose lines:

- Hand tools (e.g. rake hoe, McLeod):

- PPE (Personal Protective Equipment):

- Water supply (appliance/tanker):

- Communications equipment (radio):

- Drip torch or backburning equipment (if authorised):

• Fire extinguishers or knapsacks (optional):

3. Considerations for Safety & Effectiveness

• Maintain escape route and lookout

• Avoid working in unburnt fuel without a clear plan

• Work from black to green

• Coordinate team spacing and communications

• Monitor for spot fires or changes in wind

Your thoughts here

Decision point:

“A sudden wind change from the south is reported. What are your immediate actions?”



🔥 **Demonstrate what your response would be to the sudden wind change**

1. Immediate Safety Actions

What actions will you take first to ensure personal and crew safety?

🚒 2. Crew Coordination

How will you communicate and reposition your crew?

3. Fire Behaviour Awareness

What changes in fire behaviour do you expect and how will you adapt?

4. LACES Check

How does this wind change affect: Summarize your answer below

- **Lookouts:** _____
- **Awareness:** _____
- **Communications:** _____
- **Escape Routes:** _____
- **Safety Zones:** _____

☑ 3. Communication and Reporting



Command, this is Bravo Team.
We are positioned on the eastern fence line, approximately 200 meters from the northern edge. The fire is currently active but slowing in intensity, with no spotting observed at this time. One hose line is in use, and there are no injuries among personnel. We are requesting a water top-up in 10 minutes.
Bravo Team standing by for further instructions. Over."

You are asked for a SitRep (Situation Report). What do you include?

Situation Report (SitRep): (add in a description to the items listed below)

- **Unit:**

- **Location:**

- **Fire Behaviour:**

- **Fire Activity:**

- **Resources in Use:**

- **Personnel Status:**

- **Support Requests:**

- **Additional Notes:**

4. Safety & Crew Welfare For reference only no input required

Safety & Crew Welfare Worksheet — Wildfire Response

1. Crew Check-In

- Names of crew members present:
- Time of check-in:
- Physical and mental condition reports:
- Any injuries or health issues?

2. Safety Briefing Summary

- Fire behaviour update:
- Weather conditions:
- Hazards identified (e.g., terrain, smoke, fire behavior changes):
- PPE (Personal Protective Equipment) status and compliance:
- Communication plan review:

3. Workload & Rest Management

- Current task assignments:
- Time worked since last break:
- Scheduled breaks and hydration reminders:
- Fatigue signs observed:

4. Incident and Hazard Reporting

- Any near misses or incidents since last report:
- Hazard observations (e.g., tree fall risk, unstable ground):
- Actions taken or needed:

5. Crew Welfare Support

- Availability of water, food, and shade:
- Mental health check (stress levels, anxiety, morale)
- Medical support status and first aid supplies check:
- Any requests or needs from crew:

6. Emergency Procedures

- Review of escape routes and safety zones
- Reminder of emergency signals and alarms:
- Accountability system check:

7. Additional Notes

- Special considerations:
- Recommendations to improve safety and welfare:

☑ 5. Post-Fire Activities

Summarize what activities you would include once the fire is under control?

Once fire is controlled: For reference only no input required

Post-Fire Activities



Post-Fire Activity Log

Date:
Time:
Location / Incident Name:
Crew / Team:

1. Mop-Up and Hot Spot Control

Task	Description / Location	Completed (✓)	Comments

2. Patrol and Monitor

Task	Area / Route	Completed (✓)	Comments

3. Crew Welfare and Safety

Task	Details	Completed (✓)	Comments

4. Debrief and Reporting

Task	Details	Completed (✓)	Comments

5. Equipment Maintenance

Task	Details	Completed (✓)	Comments

6. Environmental Observations

Observation	Location	Actions Taken	Comments

7. Site Handover

Task	Details	Completed (✓)	Comments

Prepared by: _____

Signature: _____

Date/Time: _____

Debrief includes:

Post-Fire Debrief Worksheet

Date: _____

Incident Name / Location: _____

Crew / Team: _____

Supervisor: _____

1. Incident Summary

Describe the fire event (location, size, conditions):

2. Actions Taken

What tactics and strategies were used to control the fire?

What equipment and resources were deployed?

3. Crew Performance

How well did the team work together?

Was communication effective? Give examples:

Were safety procedures followed?

4. Challenges and Issues

What difficulties or hazards were encountered?

Were there any equipment failures or shortages?

5. Lessons Learned

What worked well and should be repeated?

What could be improved next time?

Recommendations for future operations:

6. Safety Review

Were there any injuries or health concerns?

Were fatigue and heat stress managed effectively?

Any ongoing safety risks to monitor?

7. Environmental and Community Impact

Any observed impacts on the environment or infrastructure?

Any feedback from landowners or the community?

8. Documentation and Reporting

Were all reports and logs completed? ☐ Yes ☐ No

Was the site handed over properly? ☐ Yes ☐ No

Additional notes:

Prepared by: _____

Signature: _____

Date/Time: _____

$ Summarize some of the Key Takeaways for this scenario

Key Takeaways

Wildfire Response Scenario – Key Takeaways Worksheet

Name: _____
Date: _____
Scenario: _____

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1. Safety First

- What safety measures should you always keep in mind during wildfire response?

2. Situational Awareness

- Why is it important to monitor weather and fire behaviour continuously?

3. Communication

- How can effective communication improve fire response operations?

4. Fire Suppression Tactics

- List two fire suppression tactics used in wildfire control:

5. Resource Management

- How can managing crew fatigue and equipment resources improve firefighting efforts?

6. Mop-Up and Patrol

- What is the purpose of mop-up operations after a fire is controlled?

7. Debrief and Lessons Learned

8. Environmental and Community Impact

- How should firefighters consider environmental and community impacts during and after firefighting?