



- BRIEFING CHECK LIST**
- SITUATION**
- INCIDENT NAME, LOCATION, MAP ORIENTATION & OTHER INCIDENTS IN AREA?
 - TERRAIN, FUEL TYPE & AGE, SLOPE ASPECT & GRADIENT?
 - WEATHER (PREVIOUS, CURRENT & PREDICTED), WINDS, RELATIVE HUMIDITY & TEMPERATURE (TIME OF DAY)?
 - FIRE BEHAVIOUR (PREVIOUS, CURRENT & PREDICTED)?
- MISSION**
- COMMAND, WHO IS IC / IMMEDIATE SUPERVISOR?
 - LEADERS INTENT, WHAT IS TASK, PURPOSE & END STATE?
 - SPECIFIC TACTICAL ASSIGNMENTS.
 - CONTINGENCY PLANS?
- COMMUNICATIONS**
- COMMUNICATIONS PLANS FOR TACTICAL, COMMAND, AIR-TO-GROUND & PHONE NUMBERS?
 - MEDIVAC PLAN?
- SERVICES / SUPPORT**
- OTHER RESOURCES, GROUND & AERIAL?
 - LOGISTICS, TRANSPORT, SUPPLIES & EQUIPMENT?
- RISK MITIGATION**
- IDENTIFY KNOWN HAZARDS & RISKS.
 - IDENTIFY CONTROL MEASURES TO MITIGATE HAZARDS & REDUCE RISKS.
 - IDENTIFY TRIGGER POINTS FOR RE-EVALUATION OF TASKS & OPERATION OBJECTIVES.

- 10 STANDARD FIRE ORDERS**
- FIRE BEHAVIOUR**
1. Recognise current fire weather conditions and obtain forecasts.
 2. Obtain current information and regular updates on fire status.
 3. Initiate all actions based on current and predicted fire behaviour.
- FIRELINE SAFETY**
4. Determine escape routes and safety zones.
 5. Establish lookouts in potentially hazardous or dangerous situations.
 6. Stay alert, keep calm, think clearly and act decisively.
- OPERATIONAL CONTROL**
7. Remain in communication with your crew, your supervisor and all adjoining resources at all times.
 8. Ensure that instructions are given, are clear and are understood.
 9. Remain in control at all times.
- Once ALL of these have been considered then one should,
- 10. FIGHT FIRE AGGRESSIVELY HAVING PROVIDED FOR SAFETY FIRST.**
- 18 WATCH OUT SITUATIONS**
1. Safety zones and escape routes not identified.
 2. Terrain and fuels make escape routes difficult.
 3. Unfamiliar with weather and local factors affecting fire behaviour.
 4. Frequent spot fires occurring over the fireline.
 5. Uninformed on strategy, tactics and hazards.
 6. Instructions and assignments not clear.
 7. Fire not scouted or sized up.
 8. Constructing or working on fireline without a safe anchor point.
 9. Working a fireline downhill with fire below.
 10. Attempting a frontal assault on the fire.
 11. Cannot see the main fire and not in contact with anyone who can.
 12. Unburned fuel between yourself and the fireline.
 13. Weather getting hotter and drier.
 14. Wind increases and/or changes direction, also dust and/or fire whirls occurring.
 15. No communication link with crew members, supervisors or other resources.
 16. Working in an environment not seen in daylight.
 17. On a hillside where rolling material can ignite unburned fuel below.
 18. Sleeping near or on the fireline.

WILDLAND URBAN INTERFACE (WUI) HAZARD

The primary consideration is first to ensure fire-fighter and public safety. It is vital to assess potential fire behaviour, access and exit routes, hazardous materials, and available water supplies BEFORE engaging in the protection of any structures. The first step in conducting a safe operation is to assess whether the firefighting operations can be conducted safely.

When completing a risk analysis of the interface area, use the Wildland Urban Interface Watch Outs as an aid. There are three categories of structures.

Use Structure Triage to determine these.

- Those that are NOT at risk.
- Those that ARE at risk.
- Those that have already been lost or are too dangerous to protect.

WUI WATCH OUTS

- Poor access and narrow, one-way roads. A rapidly spreading fire could trap vehicles and personnel before they can turn around or move away from the flames and smoke.
- Observe Bridge limits. Exceeding bridge limits could lead to bridge collapse, resulting in blocking of access/exit routes. This could result in blocking an escape route and entrapments.
- Inadequate water supplies. Without a enough water available a fire can overtake an area before the fuels can be cleared away from the structure(s).
- Natural fuels are located 10m or closer to structures on level ground.
- Remember structures on slopes require a greater clear area.
- Structures located near the top of kloofs, chimneys or narrow valleys.
- Structures located mid-slope or on slopes of 30% or more with continuous flashy fuels.
- Extreme fire behaviour. This includes crowning fires, long flame lengths, spotting, rotating smoke plumes, fire whirls,
- Strong and/or gusty winds of 40km or more. Winds increase the chance of spotting and increase the pre-heating of fuels in the path of the fire.
- Evacuations. This can require fire personnel to leave fire suppression operations. This can also lead to distraction and the loss of situational awareness of responding personnel.
- Liquid Petroleum Gas (LPG) cylinders situated close to vegetation or other combustible materials.
- Power lines and poles. What is their location in relation to the structures?
- Watch for overhead and downed power lines.
- Local members of the public attempting fire suppression. Lack of knowledge in the public can lead to unsafe tactics and may compromise your fire suppression actions.
- Aerial Retardant and water bombing operations. Ensure communications are established with Air Branch and keep personnel and public out of the drop zones.

Resources

- Fire Hydrants
- River
- Well Water Points
- Water Points
- Firebreaks
- Possible Helipoint
- Runway

Risks

- High Risk Structure
- Powerline Crossings
- Invasive vegetation thickets
- High-risk Areas

Sub-Plan Areas

- 1
- 2
- 3
- 4
- 5
- 6

Other Resources: Possible Staging, Possible TRA, Clinic, School, Road / Track, Footpath, 4x4 Access, Turn Around, Bridge Single Lane.

QR Codes for Safety Information:

- Entrapment Survival Guidelines
- Power Line Safety Guidelines
- Hazmat Signage Guidelines
- Hazmat Incident Safety Guidelines

QR Code for Main Navigation Apps

The QR codes to the left link to Safety information in PNG format for saving to phone. Use these if you are unfamiliar with a Safety Situation.

Scale: 0 to 1000m

Map Data sources: National Geo-spatial Information - Aerial imagery (2018), Rivers (2008/07), Catchment (2007), Open Street Map, Roads, Power Line (2019), NSEPA, Dams (2011), Cape Nature (in use 2021) GIS and cartography by Inima www.inimainfo.co.za

