



# Tennant Creek Local Emergency Plan



Northern Territory  
Emergency Service

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# 1. Document control

## 1.1. Governance

Document title	Tennant Creek Local Emergency Plan
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## 1.2. Version history

Date	Version	Author	Summary of changes
12/12/2014	1	John McRoberts	First version
04/11/2015	2	Reece Kershaw	Reviewed and updated
30/11/2018	3	Narelle Beer	Reviewed and endorsed by the Regional Controller, as the Territory Controller's delegate
09/12/2019	4	Narelle Beer	Reviewed and endorsed by the Regional Controller, as the Territory Controller's delegate
09/11/2020	5	Narelle Beer	Reviewed and endorsed by the Regional Controller, as the Territory Controller's delegate
21/01/2022	6	Craig Laidler	Reviewed and endorsed by the Regional Controller, as the Territory Controller's delegate
29/05/2023	7	Martin Dole	Reviewed and endorsed by the Regional Controller, as the Territory Controller's delegate

Disclaimer: Every effort has been made to ensure that the information contained within this plan is accurate and where possible reflects current best practice. However, the Northern Territory Emergency Service does not give any warranty or accept any liability in relation to the content of material contained in the document.

## 2. Acknowledgement of Country

The Northern Territory Police, Fire and Emergency Services acknowledges the First Nations people throughout the Northern Territory, from the red sands of Central Australia to the coastal people in the Top End.

We recognise their continuing connection to their lands, waters and culture. We also pay our respects to the Aboriginal and Torres Strait Islander people with whom we work and who we serve and protect.

We pay our respects to the Aboriginal and Torres Strait Islander cultures, and to their leaders past, present and emerging.

## 3. Introduction

### 3.1. Purpose

The purpose of this Plan is to describe the emergency management arrangements for Tennant Creek Locality (the Locality).

### 3.2. Application

This Plan applies to the Tennant Creek Locality.

### 3.3. Key considerations

The *Emergency Management Act 2013* (the Act) is the legislative basis for emergency management across the Northern Territory (NT). The Act reflects an all hazards approach to emergency and disaster events, natural or otherwise. It provides for the adoption of measures necessary for the protection of life and property from the effects of such events.

The Act defines the emergency management structures, roles and responsibilities for the NT and, in conjunction with the Territory and Regional Emergency Plan(s), form the basis for this Plan.

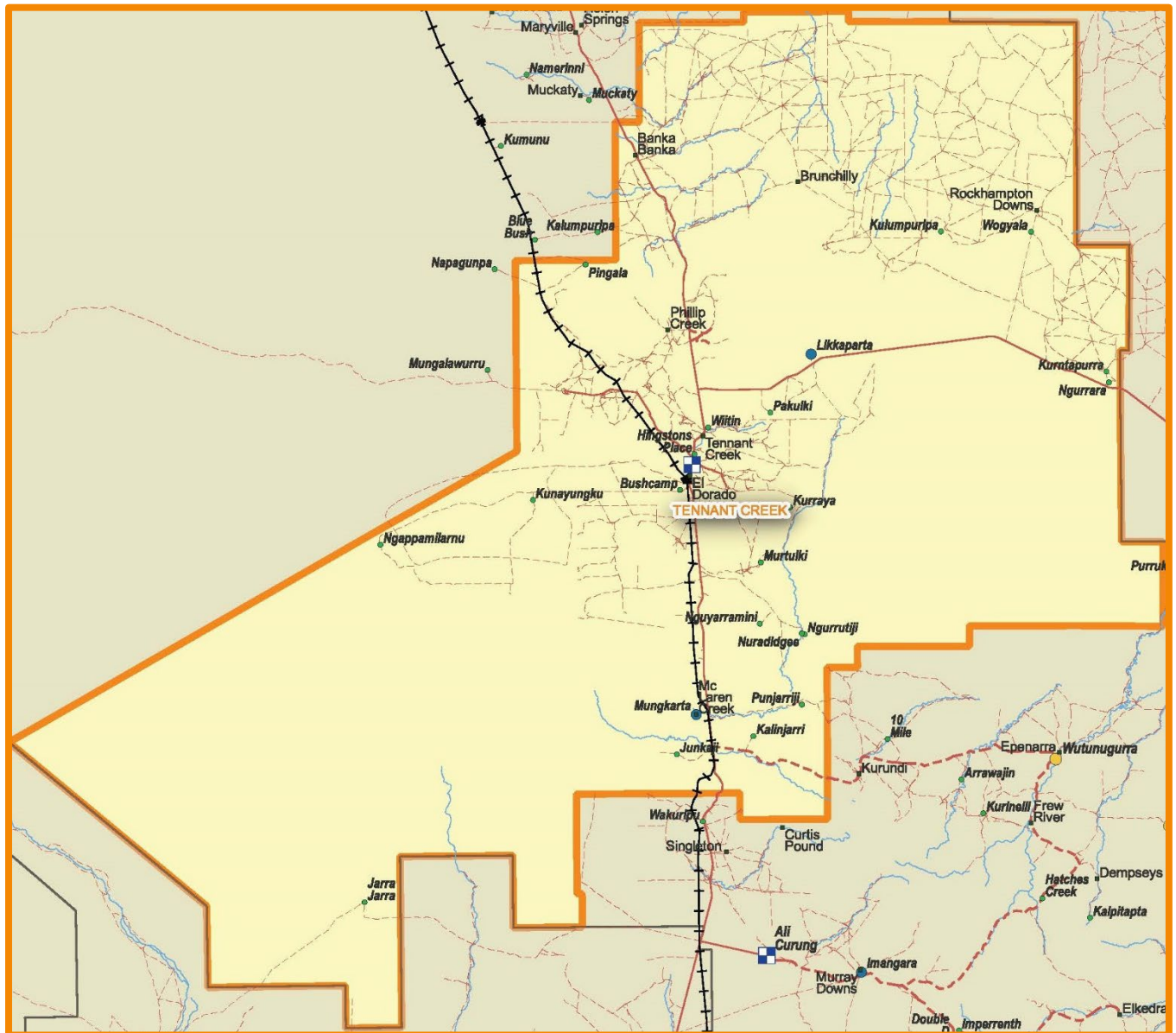
This Plan:

- confirms appointment of a Local Emergency Controller
- confirms establishment of the Local Emergency Committee (LEC)
- assesses hazards most likely to affect the community
- specifies control and coordination arrangements for mobilisation of local, and if necessary, regional resources
- identifies roles and responsibilities of key stakeholders
- details specific emergency response procedures for the higher risk situations

## 4. Locality context

This Plan complements the Southern Regional Emergency Plan<sup>1</sup> as it relates to the Locality. For further information on the hierarchy of plans, refer to the Territory Emergency Plan<sup>2</sup>. The Locality covers approximately 51,900 square kilometres (km). Tennant Creek is the only township in the Locality and is located on the Stuart Highway approximately 500 km north of Alice Springs and 675 km south of Katherine. The Locality is within the Southern Region, as defined by the Territory Emergency Plan.

The main population centre in the Locality is the town of Tennant Creek with an approximate population of 3080.



<sup>1</sup> More information can be found at: <https://www.pfes.nt.gov.au/emergency-service/publications>

<sup>2</sup> More information can be found at: <https://www.pfes.nt.gov.au/emergency-service/emergency-management>

## 4.1. Climate and weather

The Locality experiences a broad variety of weather typical to Central Australian arid desert climate with high summer daytime and low winter night-time temperatures. The Locality's average annual rainfall is approximately 399 millimetres.

## 4.2. Geography

The general topography of the Locality consists of relatively flat plains with some hilly outcrops in the vicinity of Tennant Creek. To the north of Tennant Creek the topography changes to the gently undulating, lightly timbered grasslands of the Barkly Tablelands.

The Locality has a large man-made dam called Lake Mary Ann (Tingkarli) which is located 6.5 km north of Tennant Creek. The Locality is drained by a number of usually dry rivers and creeks. Of note, include:

- Phillip Creek
- Morphett Creek
- Hayward Creek
- Tennant Creek

## 4.3. Sacred sites

The Aboriginal Areas Protection Authority (AAPA) is a statutory body established under the *Northern Territory Aboriginal Sacred Sites Act 1989* and is responsible for overseeing the protection of Aboriginal sacred sites on land and sea across the NT.

A sacred site is defined by the *Aboriginal Land Rights (Northern Territory) Act 1978* as being 'a site that is sacred to Aboriginals or is otherwise of significance according to Aboriginal tradition.' Sacred sites are typically landscape features or water places that are enlivened by the traditional narratives of Aboriginal people.

AAPA requests notification of any action that may have affected a sacred site.

For more information on sacred sites relevant to this Locality or to report an action that may have affected a sacred site, contact AAPA on (08) 8999 4365 or via email at [enquiries.aapa@nt.gov.au](mailto:enquiries.aapa@nt.gov.au).

## 4.4. Sites of conservation

The Davenport and Murchison ranges and Tarrabool Lake are sites of conservation significance to the NT. For further information about these sites contact the Department of Environment, Parks and Water Security<sup>3</sup> (DEPWS).

## 4.5. Tourism

Tourism is also a major economic contributor to the Locality, particularly aimed at those traveling through the area.

## 4.6. NT and local government

In March 2019, the NT Government (NTG) implemented 6 regional boundaries across the NT to strengthen the role of the Regional Network Group and align service delivery and reporting. This Locality sits within the Barkly Boundary.

NTG agencies that have a presence in the Locality include:

- NT Police Force (NTPF), Tennant Creek Police Station
- NT Fire and Rescue Service (NTFRS) Tennant Creek Fire Station

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<sup>3</sup> More information can be found at: <https://nt.gov.au/environment/environment-data-maps/important-biodiversity-conservation-sites/conservation-significance-list>

- NT Emergency Service (NTES) Tennant Creek Volunteer Unit
- Department of Industry, Tourism and Trade (DITT)
- Department of Environment, Parks and Water Security (DEPWS)
- Bushfires NT (BFNT)
- Department of Corporate and Digital Development (DCDD)
- Department of the Attorney-General and Justice
- Department of Territory Families, Housing and Communities (TFHC)
- Department of Education (DoE)
- Department of Health (DoH)
- Department of Infrastructure, Planning and Logistics (DIPL)
- Department of the Chief Minister and Cabinet (DCMC)
- NT Legal Aid Commission
- Power and Water Corporation (PAWC)

Local government in the Locality is provided by the Barkly Regional Council (BRC).

#### 4.7. Building codes

Buildings and construction in the Locality are subject to the *Building Act 1993* and the *Building Regulations 1993*.

#### 4.8. Land use

Tennant Creek has the following land usage:

- pastoral
- residential
- freehold
- parks/reserves
- Indigenous protected areas
- Indigenous town camps
- farms
- mining tenements

#### 4.9. Power generation and distribution

Tennant Creek Power Station provides power to the township and surrounding communities and their infrastructure.

#### 4.10. Water services

Ground water is the primary water source in the Southern Region. The PAWC is responsible for supplying the community with water sourced through bores and stored in tanks.

#### 4.11. Health infrastructure

There are a number of health centres in the Locality including:

- Tennant Creek Hospital
- Anyinginyi Health Aboriginal Corporation



Serious medical cases are required to be medically evacuated to Alice Springs.

#### 4.12. Emergency service infrastructure

The Locality has the following emergency service infrastructure:

- Tennant Creek Police Station and cells
- NTFRS – Tennant Creek fire station
- NTES Volunteer Unit, Tennant Creek
- BFNT Tennant Creek
- St John Ambulance, Tennant Creek
- Tennant Creek Hospital

#### 4.13. Roads

The 2 main roads in the Locality are the Stuart Highway heading generally north, south and the Barkly Highway heading east from the Stuart Highway approx. 25 km north of Tennant Creek. All unsealed roads in the Locality may become impassable following heavy rain.

#### 4.14. Airports

The table below lists the airstrips in the Locality:

Name of the Strip	Datum	Details (type, length, etc.)	Operator of the strip
YTNK – Tennant Creek – Main Runway (07/25)	Lat. 19° 38”S, Long 134° 11” E,	<ul style="list-style-type: none"> <li>• sealed</li> <li>• 1959 metres (m) long x 30m wide</li> <li>• avgas – fixed bowser (viva)</li> <li>• low intensity runway lighting and papi pilot-operated on pal 126.7</li> </ul>	Tennant Creek Airport
YTNK – Tennant Creek – second runway (11/29)	Lat. 19° 38”S, Long 134° 11” E,	<ul style="list-style-type: none"> <li>• sealed</li> <li>• 1054 m long</li> <li>• 23 m wide</li> <li>• avgas - fixed bowser</li> <li>• low intensity runway pilot-operated on pal 126.7</li> </ul>	Tennant Creek Airport: (shell 08 8962 2696)
YBNY - Brunchilly	Lat. 18° 52.19’ S Long 134° 29.79’ E	<ul style="list-style-type: none"> <li>• gravel</li> <li>• 1000 m long</li> <li>• 15 m wide</li> <li>• avgas/avtur available</li> </ul>	S Kidman and Co. Pty Ltd
YWHL - Walhallow	Lat. 17° 46' 41.23" S 135° 39' 29.92" E	<ul style="list-style-type: none"> <li>• red gravel</li> <li>• 1432 m long</li> <li>• avgas/avtur available</li> <li>• lighting headlights/flares</li> </ul>	
YBNM - Benmara	Lat. 17° 56.2’ S Long 134° 54.0’ E	<ul style="list-style-type: none"> <li>• sand/gravel</li> <li>• 1000 m long</li> <li>• marked with white drums</li> <li>• lighting – headlights and flares</li> <li>• e/w strip is south of homestead</li> <li>• n/s strip runs off first strip</li> <li>• wind sock</li> <li>• avgas available</li> </ul>	Holt Pastoral

<b>YCWD -</b> Cresswell Downs	Lat. 17° 58.0' S Long 135° 55.0' E	<ul style="list-style-type: none"> <li>• dirt</li> <li>• 1642 m</li> <li>• strip not maintained</li> </ul>	
<b>YANL -</b> Anthony Lagoon	Lat. 18° 01.43' S Long 135° 32.46' E Homestead 2nm NNW	<ul style="list-style-type: none"> <li>• gravel</li> <li>• 1497 m long</li> <li>• battery lighting</li> <li>• avgas available</li> </ul>	Australian Agricultural Co.
<b>YBRU -</b> Brunette Downs - 09/27 east/west	Lat. 18° 38.4' S Long 135° 56.3' E	<ul style="list-style-type: none"> <li>• red gravel</li> <li>• 1200 m long</li> <li>• lighting flares</li> <li>• avgas available</li> </ul>	Australian Agricultural Co.
<b>YBRU -</b> Brunette Downs - 14/32 north west/south east	Lat. 18° 38.4' S Long 135° 56.3' E	<ul style="list-style-type: none"> <li>• red gravel</li> <li>• 1000m long</li> <li>• flares</li> <li>• avgas available</li> </ul>	Australian Agricultural Co.
<b>YRKD -</b> Rockhampton Downs - 13/31	Lat. 18° 57.13' S Long 135° 11.97' E Homestead north	<ul style="list-style-type: none"> <li>• natural</li> <li>• 1000 m long</li> <li>• 15 m wide</li> <li>• lighting - headlights/flares - 1 hour</li> </ul>	
<b>YRKD -</b> Rockhampton Downs - 08/26	Lat. 18° 57.13' S Long 135° 11.97' E Homestead north	<ul style="list-style-type: none"> <li>• natural</li> <li>• 800 m long</li> <li>• 15 m wide</li> <li>• lighting headlights/flares</li> </ul>	
<b>YBTU -</b> Bootu Creek	Lat.18° 42' 46.65"S Long 134°4' 50.64"E	<ul style="list-style-type: none"> <li>• dirt</li> <li>• 1835 m long</li> <li>• low intensity lights</li> </ul>	

## 4.15. Rail Infrastructure

The Darwin to Adelaide Railway transits through the NT terminating in the vicinity of East Arm Port. At least 12 trains use the line each week, carrying either passengers or a variety of freight including hazardous chemicals/materials. Rail maintenance crews also operate various vehicles on the line at different times.

In the event of a major incident, many railway authorities have response capabilities and can provide specialised assistance, advice and support.

The various railway organisations are:

Australasian Railway Corp	Managed by both the NT and South Australian Governments
One Rail (Previously Genesee & Wyoming Inc)	Rail operator
Great Southern Railway (GSR)	Passenger service operator (once per week)
Australian Southern Railroad	Train control operator of freight trains (5 trains per week Adelaide to Darwin)
Pacific National	Locomotive operator, including locomotive crews and terminal operators
BJB Joint Venture	Track maintenance
Evans Deacon Industries (EDI)	Maintenance of rolling stock
<i>All contact with these authorities is to be through the Regional Controller</i>	

## 4.16. Telecommunication

Telecommunications are available across the Tennant Creek town area via a combination of landline, mobile and satellite communications delivery. Mobile phone coverage has an approximate radius of 30 – 40 km around Tennant Creek.

## 4.17. Local radio stations

Tennant Creek does not have a local radio station, but has the following broadcasts:

- 684 AM – Australian Broadcasting Corporation (ABC) Radio National
- 100.5 FM – Flow FM
- 102.1 FM – 8CCC
- 102.9 FM – Central Australia Aboriginal Media Authority (CAAMA)
- 103.7 FM – 8TAB
- 106.1 FM – ABC Darwin

## 4.18. Medically vulnerable clients

A list of medically vulnerable clients is held with the Tennant Creek Hospital and is updated regularly.

## 5. Prevention

### 5.1. Emergency risk assessments

The Tennant Creek LEC is responsible for undertaking appropriate activities to prevent and mitigate the impact of emergencies in their Locality.

### 5.2. Disaster hazard analysis and risk register

The LEC has identified the following hazards for the Locality:

- air crash
- earthquake
- fire (within Fire Protection Zone)
- fire (within Gazetted Area)
- flood
- hazardous material
- rail crash
- road crash
- storm and water damage

These hazards have been rated against the National Disaster Risk Assessment Guidelines (NERAG):

Hazard	Overall Consequence	Overall Likelihood	Risk Rating
Air crash	Moderate	Unlikely	Medium
Earthquake	Minor	Unlikely	Low
Fire (within Fire Protection Zone)	Minor	Likely	Medium
Fire (within Gazetted Area)	Minor	Likely	Medium
Flood	Minor	Likely	Medium
Hazardous material	Minor	Likely	Medium
Rail Crash	Moderate	Rare	Medium
Road Crash	Minor	Almost certain	Medium
Storm and water Damage	Minor	Likely	Medium

### 5.3. Hazard specific prevention and mitigation strategies

Prevention and mitigation relate to measures that reduce exposure to hazards and reduce or eliminate risk. Actions include identifying hazards, assessing threats to life and property, and from these activities, taking measures to reduce potential loss of life and property damage.

The cornerstone of mitigation is guided and coordinated risk assessments, which should involve all potentially affected members of a community. Strategies are developed based on a thorough understanding of the hazards identified in emergency risk planning and how those hazards can impact all aspects of the community.

Specific prevention and mitigation strategies for identified hazards can be found at **Annex C**.

## 6. Preparedness

Arrangements to ensure that, should an emergency occur, all resources and services that are needed to provide an emergency response and or recovery can be efficiently mobilised and deployed.

### 6.1. Planning and recovery

NT emergency plans<sup>4</sup> are required by the Act and are maintained at a Territory, regional and local level. Arrangements in plans aim to be flexible and scalable for all hazards. The planning process enables agreements to be reached between people and organisations in meeting communities' needs during emergencies. The plan becomes a record of the agreements made by contributing organisations to accept roles and responsibilities, provide resources and work cooperatively.

The LEC is responsible for the annual review of operations and the effectiveness of the Local Emergency Plan, supported by the NTES Planning and Preparedness Command.

### 6.2. Emergency resources and contacts

The LEC is responsible for maintaining the emergency resource register and LEC contact list. Local emergency management stakeholders are to advise the Local Controller of changes to resource holdings, operational response capabilities and key personnel contacts. Emergency resource and LEC contact list for each locality are available on Web-based Emergency Operations Centre (WebEOC).

### 6.3. Training and education

The Act provides the legislative requirement for those involved in emergency management activities to be appropriately trained. Training and education activities are undertaken to ensure agencies are familiar with and understand the NT emergency management arrangements, as well as the relevant controlling and hazard management authorities for identified hazards.

The NTES Learning and Development Command is responsible for emergency management training across the NT. Online and face to face training is scheduled throughout the year.

### 6.4. Community education and awareness

Effective and ongoing community education and preparedness programs that emphasise to communities the importance of practical and tested emergency plans and safety strategies is essential. Empowering communities to act in a timely and safe manner will minimise the loss of life, personal injury and damage to property and contribute to the effectiveness of any warning system.

List of available activities and initiatives in the area:

- NTES hazard briefings
- NTES Paddy Program
- NTFRS Smart Sparx Program
- Red Cross Pillowcase Program
- St Johns Ambulance First Aid in Schools Program

### 6.5. Exercises

Local level exercises are a key measure for testing the effectiveness of the local emergency plan and should involve all relevant stakeholders. Exercises ensure that the plan is robust and understood, and that capabilities and resources are adequate. Exercises are conducted if the plan has not been enacted since the last review, or substantial changes have occurred, including:

- legislative changes

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<sup>4</sup> More information can be found at: <https://pfes.nt.gov.au/emergency-service/publications>

- major changes have occurred in the areas of key personnel, positions or functions across prevention, preparedness, response and recovery
- new or emerging hazards/risks have been identified

The NTES Planning and Preparedness Command have developed resources that outlines the process to develop the exercise concept in designing, planning, conducting, facilitating, participating or evaluating exercises.

## 7. Response

Actions taken in anticipation of, during and immediately after an emergency to ensure that its effects are minimised and that people affected are given immediate relief and support.

### 7.1. Control and coordination

Arrangements for response are based on pre-agreed roles and responsibilities for stakeholders. When the scale and complexity of an event is such that the resources of the community are depleted a number of arrangements are in place for assistance from the region, the Territory and/or the Australian Government. Pathway for assistance is through the Regional Controller.

### 7.2. Local Emergency Controller

In accordance with section 76 of the Act, the Territory Controller or their delegate (section 112 of the Act) can appoint a Local Emergency Controller (Local Controller). The Local Controller is the Officer in Charge of Tennant Creek Police Station. The Local Controller is subject to the directions of the Regional Controller. The powers, functions and directions of the Local Controller can be found in sections 77, 78 and 79 of the Act.

### 7.3. Local Emergency Committee

In accordance with section 80 of the Act, the Territory Controller has established a Tennant Creek LEC. The Local Controller is chair of the LEC and remaining membership consists of representatives from NT Government and non-government entities within the Locality. Division 11 of the Act specifies the establishment, functions, powers, membership and procedure requirements of a LEC.

### 7.4. Emergency Operations Centre / Local Coordination Centre

NT Emergency Management Arrangements	Controlling Authority Arrangements
Emergency Operation Centre (EOC) (Territory and Regional level)	Incident Control Centre (ICC)
Local Coordination Centre (LCC) (local level)	Incident Control Point (ICP)

LCCs will be established as required by Local Controllers to provide a central focus to the management, control and coordination of emergency operations in the Locality. When activated, the functions of the LCCs are:

- information collection and dissemination
- preparation and issue of official warnings and advice to the public
- coordination of the provision of resources required in the Locality
- submitting requests for resources through the Regional Controller to the Territory EOC where applicable
- dissemination of information to the media and general public

The LCC for this Locality is the Tennant Creek Police Station. The Regional EOC will be located in Alice Springs at the NTES Damien Clifton Centre. Agencies and functional groups may establish their own coordination centres to provide the focal point for the overall control and coordination of their own

agency resources. Liaison Officers from functional groups and support agencies will attend the EOC as required.

ICCs will be established as required by a Controlling Authority to provide an identified facility for the management of all activities necessary for the resolution of an incident.

An ICP is normally located near the incident in its early stages but may be relocated to an ICC where more permanent and convenient facilities and services are available.

## 7.5. WebEOC

WebEOC is a critical information management system used throughout the NT for emergency management activities. The system is owned and maintained by NTPFES. The online platform is used for the coordination of multi-agency response to, and recovery from, an emergency event. WebEOC also enables real-time information sharing across all NTG agencies involved in emergency management activities.

## 7.6. Situation reports

It is essential for effective control and coordination of emergency management operations that the Local Controller is able to gather and collate relevant information relating to the emergency from regular, concise and accurate situation reports (SITREPs).

LEC members are to provide SITREPs at agreed times to enable the preparation of a consolidated report which will be distributed to all committee members and other relevant authorities. This may be achieved through WebEOC.

## 7.7. Activation of the Plan

This plan has 5 stages of activation. These stages are designed to ensure a graduated response to hazardous events, thereby reducing the possibility of under or over reaction by the emergency management agency. The stages are:

Stage 1	Alert	This stage is declared when the Local Controller receives warning of an event which, in their opinion, may necessitate an emergency management response
Stage 2	Standby	This stage is declared when the Local Controller considers an emergency operation is imminent. During this stage passive emergency measures are commenced
Stage 3	Activation	This stage is declared when active emergency measures are required
Stage 4	Stand-down response operations and transition to recovery	Stage 4 occurs when the Local Controller and Local Recovery Coordinator agree to transition to recovery (if required) in accordance with the transitional arrangements of this Plan
Stage 5	Recovery	This stage is called if ongoing recovery operations and coordination is required

The stages identified provide for a sequential response. However, it may be necessary because of the degree of warning and speed of onset of an event, for the Local Controller to skip the actions required under stage 1 or 2.

## 7.8. Stakeholder notifications

Upon activation of the Plan the following personnel are to be advised as a matter of urgency:

- all available members of the LEC
- Southern Regional Controller
- NTES Territory Duty Officer (TDO)

## 7.9. Official warnings and general public information

Official warnings and general public information may be broadcast to the Locality through the following means:

- radio broadcast
- television news broadcast
- Secure NT website and social media broadcasts and updates

Official warnings are issued by the Bureau of Meteorology (the Bureau), Geoscience Australia, BFNT and the NTPFES.

Emergency Alert is a national telephony-based emergency warning system that can deliver warning messages to landlines and mobile handsets based on the service address and mobile handsets based on the last known location of the device. Authority to utilise the Emergency Alert may be given by virtue of the pre-approval of a hazard specific emergency plan or under the Territory Emergency Plan.

The approval for the release of an Emergency Alert message can only be authorised by one of the following:

- Territory Controller
- Director, NTES
- Regional Controller
- Chief Fire Officer, NTFRS
- Deputy Chief Fire Officer, NTFRS
- Executive Director, BFNT
- Chief Fire Control Officer, BFNT

The Standard Emergency Warning Signal (SEWS) is an audio alert signal (wailing siren) which may be broadcast on public media to draw attention to the fact that an urgent safety message is about to be made. Generally, SEWS is only played before announcements concerning significant emergencies where emergency management arrangements should be activated as a result.

Control and hazard management authorities may have pre-planned use of SEWS for non-weather related events, through a pre-approved hazard-specific emergency plan.

The approval for the release of a SEWS message can only be authorised by one of the following:

- Territory Controller
- Director, NTES
- Manager Hazard Preparedness and Response NT (the Bureau) (for weather and flood-related events)

Warning and information messages for general public are authorised by the Regional or Incident Controller. The dissemination of such emergency warnings and information is to be by whatever means are appropriate and available at the time.



## 7.10. Australasian Inter-Service Incident Management System

The Australasian Inter-service Incident Management System (AIIMS)<sup>5</sup> is a robust incident management system that enables the seamless integration of activities and resources of a single agency or multiple agencies when applied to the resolution of any event.

## 7.11. Closure of schools

The decision to close schools due to an impending threat will be made by the Chief Minister on advice from the Territory Emergency Management Council (TEMCO). When the nature of an event demands an immediate response, local authorities will take the appropriate steps to ensure the safety to the public. This action may include the temporary closure of a school to begin preparations, pending formal closure of the school by the Chief Minister for the remainder of the event.

The decision to reopen schools will be made by the Chief Minister on advice from the Chief Executive, DoE.

## 7.12. Closure of government offices

The decision to close government offices due to an impending threat will be made by the Chief Minister on advice from the TEMCO. When the nature of an event demands an immediate response, local authorities should take all appropriate steps to ensure public safety and the protection of property.

The decision to reopen government offices will be made by the Chief Minister on advice from the TEMCO.

All NTG agencies are to have an emergency preparedness plan which sets out their processes for closing down their offices once approval has been given. This should have clearly articulated employee guidelines to ensure employees know when they are authorised to leave and are required to return to work.

## 7.13. Emergency shelters or strong buildings

Emergency shelters and strong buildings are places of refuge that provide people with a place of protection and shelter during a disaster or emergency event such as a cyclone, flood or fire.

The recognised emergency shelters within the Locality are:

- Tennant Creek High School 250 capacity
- BRC Civic Hall 240 capacity

The DoE in conjunction with the NTPF and shelter owners are responsible for the management of emergency shelters during an emergency event.

The responsibilities of the emergency shelter manager are:

- the provision of personnel to staff and operate the emergency shelters at such times as they are activated
- the maintenance of effective liaison with other stakeholders with responsibilities relating to shelters, in particular the NTPF

Emergency shelters are opened under the direction of the Territory or Regional Controller in consultation with the Shelter Group (DoE). Emergency shelters will not normally operate for more than 48 hours.

The timing of the opening of emergency shelters will be dependent upon the severity of the impending incident, the numbers to be sheltered, the time of day the incident is expected to impact and the period of time the emergency shelters are likely to be occupied. The announcement that emergency shelters are open in the Locality will be made by radio broadcast and social media, and will include emergency shelter rules such as no pets or alcohol being permitted in shelters and that food will not be provided.

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<sup>5</sup> More information can be found at: <https://pfes.nt.gov.au/emergency-service/emergency-management>

## 7.14. Evacuation

Evacuation is a risk management strategy that can be used to mitigate the effect of an emergency or disaster on a community. It involves the movement of people to a safer location and their return. The decision to evacuate a community, including establishing an evacuation centre, is not taken lightly as it represents significant resource and financial implications.

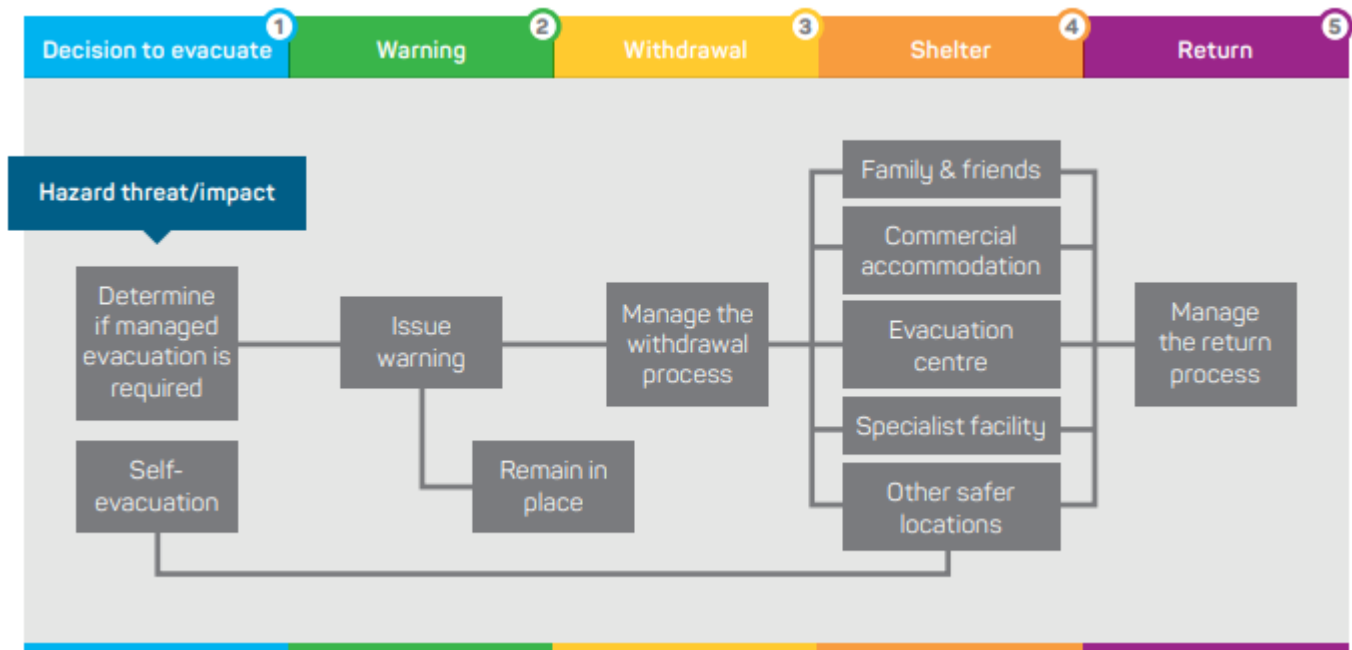
Evacuation of the Locality will be considered as a last resort. Where an evacuation is required the TEMC, in consultation with the Regional Controller, Local Controller and the LEC, will arrange emergency accommodation and transport, as necessary, through the relevant functional group/s.

An evacuation guideline for the Locality can be found at **Annex D**.

Evacuation is a complex process that has 5 distinct steps:

1. decision
2. warning
3. withdrawal
4. shelter
5. return

Each step is linked and must be carefully planned and carried out in order for the entire process to be successful. Given an evacuation centre will only be opened as a part an evacuation, it is vital to have an understanding of the 5-step process.



Source: Australian Institute of Disaster Reliance, *Evacuation Planning Handbook*, 2017.

## 7.15. Identified evacuation centres

An evacuation centre is designed to accommodate people for short to medium periods of approximately 4 to 6 weeks, although this figure may vary.

An evacuation centre will provide some or all of the following services:

- meals
- beds
- linen
- personal support
- medical services (or access to them)
- assistance accessing finances and recreational activities

An evacuation centre's provision of some or all of these services is in contrast to an emergency shelter, in which people are expected to be self-sufficient.

For further information on evacuation centres/shelters management, refer to the NT Evacuation Field Guide available on WebEOC.

### 7.16. Register.Find.Reunite registration and inquiry system

Australian Red Cross, in partnership with the Australian Government Attorney-General's Department, has developed an improved system to help reunite families, friends and loved ones separated by an emergency. This system is called Register.Find.Reunite<sup>6</sup>.

This system can be initiated by either the Territory or Regional Controller without the national system being activated. Any activation of this system should occur in consultation with the Welfare Group in the first instance.

### 7.17. Impact assessment

Immediately after an emergency event, there is a need to identify and assess impacts to inform short and long-term recovery priorities. Comprehensive assessment of all impacts is a vital component of emergency response activities. Guidelines for the conduct of rapid assessments in the NT, including the establishment of dedicated Rapid Assessment Teams (RATs) to collect data in the field, have been developed.

The Survey, Rescue and Impact Assessment Group, led by the NTPFES, is responsible for coordinating rapid impact assessments. At the local level, Local Controllers should contact the Survey, Rescue and Impact Assessment Group lead to discuss impact assessments if deemed appropriate.

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<sup>6</sup> More information can be found at: <https://register.redcross.org.au/>

## 8. Recovery

The coordinated process and measures for supporting emergency-affected communities in the reconstruction of physical infrastructure and restoration of the social, economic and natural environments.

### 8.1. Local Recovery Coordinator and Coordination Committee

When a region and/or Locality has been affected by an event, the Regional Recovery Coordinator may appoint a Local Recovery Coordinator in accordance with section 87 of the Act. The Local Recovery Coordinator will establish a Local Recovery Coordination Committee (LRCC) drawing from membership of the LEC and other relevant members of the community as needed. The Local Recovery Coordinator reports directly to the Regional Recovery Coordinator.

Local Recovery Coordinator and Committee functions, powers and directions are established in Division 12 and 13 of the Act respectively.

### 8.2. Transitional arrangements

The transition from response to recovery coordination reflects the shift from the protection of life and supporting the immediate needs of the community to establishing longer term, more sustainable support structures.

The transition to recovery coordination occurs after the completion of the transition checklist and at a time agreed by the Territory Controller and Territory Recovery Coordinator in accordance with the Territory Emergency Plan.

Transition will occur when the Territory Recovery Coordinator is satisfied that the following has occurred:

- the Territory Controller has briefed the TEMC and the Territory Recovery Coordinator
- the Regional Controller has briefed the Regional Recovery Coordinator
- where there is significant changeover of personnel, the EOC planning operations and logistics sections have briefed incoming recovery planning, operations and logistics staff

The Regional Recovery Coordinator will ensure all functional group leaders, agencies, support groups and other relevant stakeholders are notified prior to the transition to recovery. This notification is to include changes to relevant contact details and other pertinent information.

An example of response and recovery activities can be found at **Annex E**.

## 9. Debrief

Debrief processes embed continuous improvement into the delivery of emergency management activities. Consistent approaches to lessons learned encourage adaptability, and flexibility across all levels of government. Sharing of knowledge and experiences throughout emergency events assists with ongoing continuous improvement of people and organisations involved.

The NTG implements a lessons learned approach recognising the positive impact on organisational culture commensurate with increasing opportunities to achieve emergency management goals. Whilst lessons learned often begins in one agency through an internal debrief process, those lessons learned are transferable across multi-agencies.

During any operational response, personnel involved are encouraged to record activities where there are lessons to be learned. Activities can include decision making and consequential responses. Where decisions are made by an Incident Controller, Incident Management Team (IMT) member or a functional group member, those decisions should be recorded in a Decision Log (WebEOC). Decision Logs can be referred to as part of the debrief process.

## 10. Related references

The following references apply:

- *Emergency Management Act 2013*
- *Northern Territory Aboriginal Sacred Sites Act 1989*
- *Aboriginal Land Rights (Northern Territory) Act 1978 (Cth)*
- *Building Act 1993*
- *Building Regulations 1993*
- Territory Emergency Plan
- Southern Regional Emergency Plan
- National Disaster Risk Reduction Framework
- National Disaster Risk Assessment Guidelines
- Rapid Assessment Team Guidelines
- Transition to Recovery Checklist

## 11. Annexures

Annex A Functional groups - roles and responsibilities

Annex B Functions table

Annex C Prevention, mitigation strategies and action plans for identified hazards

Annex D Evacuation guideline

Annex E Summary of response and recovery activities

## 11.1. Annex A: Functional groups - roles and responsibilities

Functional group	Local Contact
Biosecurity and Animal Welfare	DITT/BRC
Critical Goods and Services	DITT
Digital and Telecommunications	DCDD
Emergency Shelter	DoE/Tennant Creek High School
Engineering	DIPL
Industry	DITT
Medical	DoH/Tennant Creek Hospital
Public Health	DoH/Tennant Creek Hospital
Public Information	DCMC
Public Utilities	DIPL
Survey, Rescue and Impact Assessment	NTPFES
Transport	DIPL
Welfare	TFHC

Full details on functional groups roles and responsibilities are detailed in the Territory Emergency Plan.

## 11.2. Annex B: Functions table

Emergency response and recovery functions with identified agencies/organisation/provider  
During an event some of these functions may be needed at a local level.

Functions	Agency /Organisation/Provider responsible
Animal/livestock management	DITT/BRC
Anti-looting protection	NTPF
Banking services	DITT/Department of Human Services (Centrelink)/Westpac, ANZ, Post Office
Broadcasting: what radio stations provide announcements?	ABC Radio, CAAMA Community Radio
Clearing of essential traffic routes	DIPL/BRC
Clearing storm water drains	BRC
Clothing and household Items	TFHC/local stores
Community clean up	BRC
Control, coordination and management	Designated Control Authority
Coordination to evacuate public	NTPF
Critical goods and services (protect/resupply) <ul style="list-style-type: none"> <li>• food</li> <li>• bottle gas</li> <li>• camping equipment</li> <li>• building supplies</li> </ul>	DITT/TFHC/DCMC/DIPL/local stores
Damaged public buildings: coordination and inspections	DIPL
Disaster victim identification capability	NTPF
Emergency Alerts	NTPFES/BFNT
Emergency catering	TFHC
Emergency food distribution	TFHC
EOC including WebEOC	NTPFES
Emergency shelter, staff, operations and control	DoE/TFHC/Red Cross

Functions	Agency /Organisation/Provider responsible
Evacuation centre - staffing, operations and control	TFHC
Financial relief/assistance Payments of NDRRA (National Disaster Relief and Recovery Assistance)	DCMC/TFHC
Identification of suitable buildings for shelters	DIPL
Interpreter services	Aboriginal Interpreter Service
Management of expenditure in emergencies	Controlling Authority and any activated Functional Groups at the direction of the Controlling Authority
Medical services	DoH/Tennant Creek Hospital/Central Australia Health Service/Central Australian Aboriginal Congress
Network communications (IT): responders/public maintenance and restoration of emergency communication	DCDD
Personal support	TFHC and supporting organisations such as Red Cross, CatholicCare NT, Barkly Region Alcohol and Drug Abuse Advisory Group (BRAADAG)
Power: protection and restoration:	PAWC
Public messaging during response and recovery.	DCMC
Public/Environmental Health (EH) management <ul style="list-style-type: none"> <li>all EH functions including water &amp; food safety</li> <li>disease control</li> </ul>	DoH/Tennant Creek Hospital/Central Australia Health Service/Central Australian Aboriginal Congress
Rapid Impact Assessment	NTPFES
Recovery coordination	DCMC
Repatriation	DIPL(supported by DCMC/TFHC)
Restoration of public buildings	DIPL
Restoration of roads and bridges (council/territory) excluding railways	DIPL/BRC
Road management and traffic control including public Information on road closures	DIPL/BRC



Functions	Agency /Organisation/Provider responsible
Sewerage: protection and restoration	PAWC
Survey	NTPFES
Traffic control	NTPF/DIPL
Transport: commercial and public airport/ planes, automobiles, buses	DIPL/BRC
Vulnerable groups	DoH/TFHC/DCMC
Waste management <ul style="list-style-type: none"> <li>• collection</li> <li>• disposal of stock</li> </ul>	BRC
Water (including drinking water): protection and restoration	PAWC

## 11.3. Annex C: Prevention, mitigation strategies and action plans for identified hazards

### 11.3.1. Air crash

	Hazard	Controlling Authority	Hazard Management Authority
	Air crash	NT Police Force	NT Fire and Rescue Service

Air crash means an occurrence associated with the operation of an aircraft which takes place between the time any person boards the aircraft with the intention of flight and all such persons have disembarked, and in which any person suffers death or serious injury, or in which the aircraft receives substantial damage.

Aircraft movements across the NT include commercial air transport and general aviation. Personnel involved with aircraft accidents are advised to obtain and read a copy of the Australian Transport Safety Bureau Civil and Military Aircraft Accident Procedures for Police Officers and Emergency Services personnel<sup>7</sup>.

In the NT, Airservices Australia supplies an “on airport” Aviation Rescue and Fire Fighting Service (ARFFS) at Darwin, Alice Springs and Yulara Airports. The NTFRS will assist ARFFS at these Airports.

Under the National Search and Rescue (SAR) Plan, responding to an aviation disaster that involves an unregistered aircraft, or an aircraft registered in another jurisdiction, is the responsibility of the state or territory in which the disaster occurred. Responses to accidents involving all other civilian (non-military) aircraft that occur outside an aerodrome precinct and within the Australian SAR Region are the Australian Maritime Safety Authority’s responsibility, in conjunction with the applicable state or territory emergency arrangements.

Responses to air crash incidents will be coordinated from the NT Joint Emergency Service Communication Centre (JESCC). NTFRS resources will respond as per the pre-determined response arrangements. These arrangements are contained within the Intergraph Computer-Aided Dispatch (ICAD) system for incidents occurring within an NTFRS Emergency Response Area (ERA). For incidents occurring outside of an ERA, response will be approved by the rostered NTFRS TDO.

Where an aircraft emergency occurs within the vicinity of a certified or registered aerodrome, the local Aerodrome Emergency Plan (AEP) details the response arrangements to the emergency. The Australian Maritime Safety Authority, in conjunction with the applicable state or territory emergency arrangements, is responsible for coordinating the SAR phase when an aircraft is assumed to be lost, to have ditched or have crashed outside of a certified aerodrome, or a distress beacon associated with the aircraft or persons on board is detected.

The Australian Maritime Safety Authority may transfer coordination to the state or territory police services in accordance with the recovery effort as well as under national SAR arrangements.

#### **NTFRS roles and responsibilities for an air crash on an aerodrome include:**

- within an ERA where there is no "on aerodrome" fire service, or when designated in the AEP, take charge of firefighting operations
- where the ARFFS or Australian Defence Force fire service is stationed, assist that service in the firefighting operations and provide specialist firefighting equipment

<sup>7</sup> More information can be found at: [www.atsb.gov.au/publications/2017/hazards-at-aviation-accident-sites/](http://www.atsb.gov.au/publications/2017/hazards-at-aviation-accident-sites/)

**Prevention and preparative controls include, but are not limited to:**

- the aviation industry operates under stringent national, state and local legislation and guidelines to minimise risk to the community
- Australian Government Aviation Disaster Response Plan (AUSAVPLAN 2014)
- in accordance with the Civil Aviation Standards Authority Manual of Standards part 139 aerodromes may have an local AEP
- aerodrome maintenance
- reducing the risk of animal hazards on aerodromes
- training in PUASAR022 Participate in a Rescue Operation delivered to NTFRS members
- skills maintenance of procedures surrounding aircraft incidents developed by the Australian Transport and Safety Bureau

**Public safety message process:**

- NTPF Territory Duty Superintendent to approve public messaging and forward to NTPFES Media and Corporate Communications Unit for dissemination

### 11.3.2. Fire

	Hazard	Controlling Authority	Hazard Management Authority
	Fire (within Gazetted Area)	NT Fire and Rescue Service	NT Fire and Rescue Service
	Fire (within Fire Protection Zone)	Bushfires NT, Department of Environment, Parks and Water Security	Bushfires NT

A fire hazard is an event, accidentally or deliberately caused, which requires a response from one or more of the statutory fire response agencies. A fire hazard can include, but not limited to:

Term	Definition
Structure fire	A fire burning part, or all of any building, shelter, or other construction
Bushfire	An unplanned fire. It is a generic term that includes grass fires, forest fires and scrub fires. Bushfires are a natural, essential and complex part of the NT environment. The term bushfire is interchangeable with the term wildfire
Vehicle fire	An undesired fire involving a motor vehicle

#### Agency Capabilities

BFNT - Trained and equipped to combat bushfires only (also known as grassfires or wildfires). Bushfires NT members are not trained or equipped to combat fires involving structures, vehicles or hazardous material.

The NTFRS protects the Territorian community from emergencies involving fire, motor vehicle crashes and other dangerous situations, including hazardous materials and building collapse.

Under the Territory Emergency Plan BFNT and NTFRS are both the Hazard Management Authority and Controlling Authority for fires within each of their jurisdictions. This means that either relevant agency is responsible for managing technical aspects of responding to a bushfire and commanding its resources through their Incident Controller. This means that if a fire is occurring within an ERA then the NTFRS is the Controlling and Hazard Management Authority. If a fire is occurring within a Fire Protection Zone (FPZ), then BFNT is the Controlling and Hazard Management Authority.

Across the NT, landowners are an essential part of the fire management process. Communication, co-operation and shared responsibility within the community, matched by a capacity to undertake self-protective measures, form the basis of successful fire management throughout the NT.

In areas that are located outside the NTFRS ERA and where there is no fire protection zone (BFNT), fire is the responsibility of the land owner or occupier. BFNT should be contacted when the owner or occupier are unable to control the fire. BFNT may contact the Local Controller to discuss local response arrangements and coordination of resources.

The NTFRS and BFNT identifies 3 classes of incidents and describes them in generic terms, as shown in the following table.

Incident classification	Description
Level 1	Level 1 incidents are generally characterised by being able to be resolved through the use of local or initial response resources only
Level 2	Level 2 incidents may be more complex either in size, resources or risk. They are characterised by the need for: <ul style="list-style-type: none"> <li>• deployment of resources beyond initial response</li> <li>• sectorisation of the incident</li> <li>• the establishment of function sections due to the levels of complexity</li> <li>• a combination of the above</li> </ul>
Level 3	Level 3 incidents are characterised by degrees of complexity that may require the establishment of divisions for effective management of the situation

**Actions to be taken**

In instances where the Local Controller is required to perform a task or function, the Controlling Authority will contact the Local Controller. Tasks approved by the Controlling Authority’s Incident Controller may include, but not limited to:

- liaison with key community stakeholders
- closure of roads or places
- fire cause or protection of potential area of origin
- post fire impact assessments




**Prevention and preparative controls include, but are not limited to:**

- a Fire Danger Period is declared over large areas when climatic and seasonal conditions presents increased fire risk for a prolonged period of time. A Fire Danger Period usually coincides with the accepted ‘fire season’ in an area. Broadly this is during the Australian summer months in central Australia and during the dry season further north. A permit to burn is required before using fire during a Fire Danger Period in all zones
- a Fire Ban can be declared for up to 24 hours. A combination of factors are considered when declaring a fire ban period including forecast fire danger, ignition likelihood, hazards and resourcing. All permits to burn are revoked within the declared fire ban area
- a Fire Management Area can be declared in an area where BFNT have identified heightened fire risk. A fire management plan can be prescribed for a Fire Management Area, and the plan can require landowners to take action to prepare for, or prevent, the spread of fire
- additional fire regulations apply within NTFRS ERA and BFNT FPZ. Permits to burn are required throughout the entire year inside an ERA or FPZ and a minimum 4 m wide firebreak within the perimeter boundary of all properties and additional firebreaks around permanent structures and stationary engines is required within an FPZ
- BFNT Regional Fire Management Plan
- establishment of an IMT with liaison officers from other agencies to assist.
- radio, television and social media

**Warnings and advice approval flow**

The Australian Warning System is a new national approach to information and warnings during emergencies like bushfire. The System uses a nationally consistent set of icons, like those below.

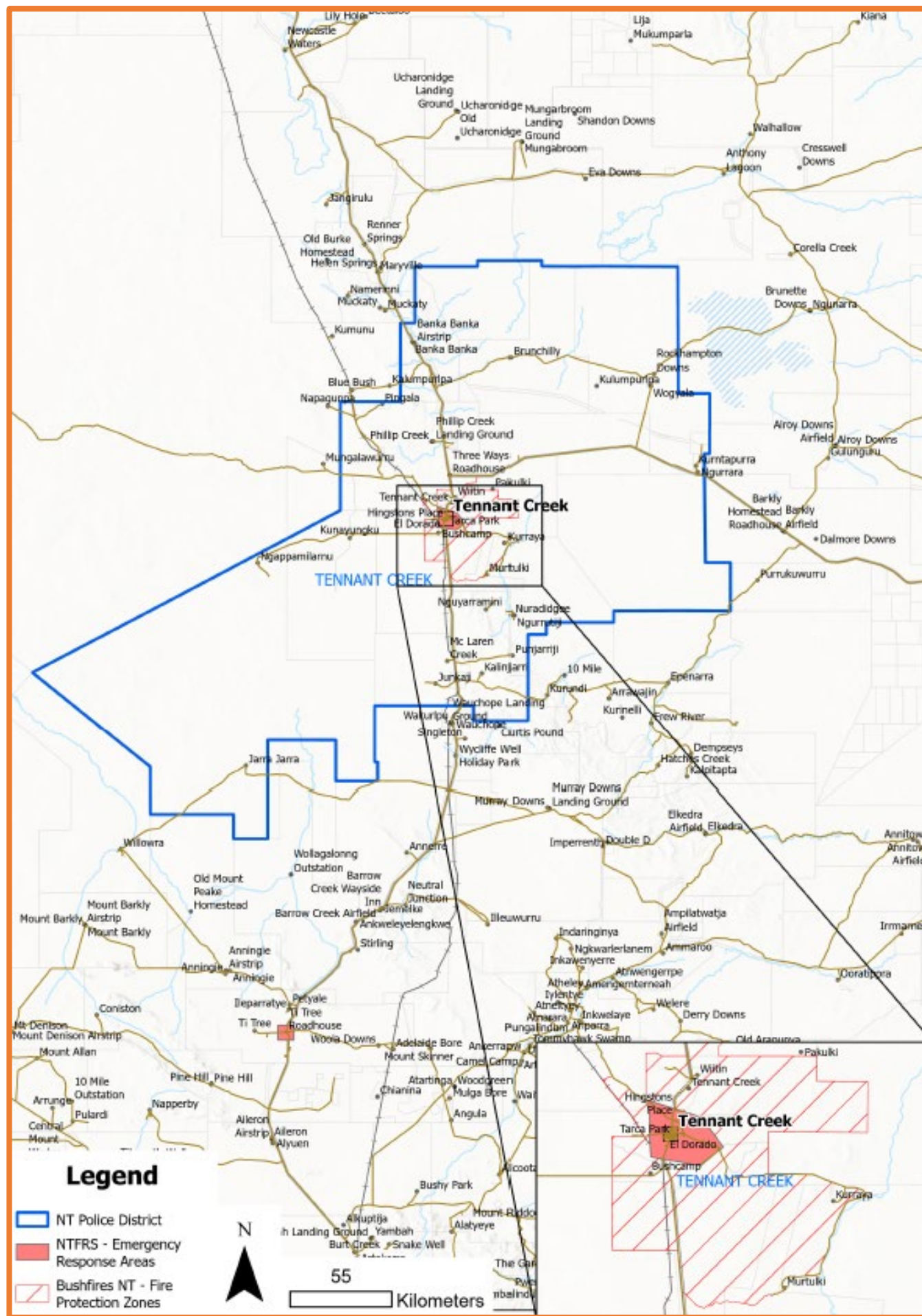
**There are 3 warning levels:**

	Warning level	Description
	Advice (Yellow)	An incident has started. There is no immediate danger. Stay up to date in case the situation changes
	Watch and Act (Orange)	There is a heightened level of threat. Conditions are changing and you need to start taking action now to protect you and your family
	Emergency Warning (Red)	An Emergency Warning is the highest level of warning. You may be in danger and need to take action immediately. Any delay now puts your life at risk

Each warning level has a set of action statements to give the community clearer advice about what to do. Calls to Action can be used flexibly across all 3 warning levels depending on the hazard.

All warnings and advice will be issued by the Incident Controller from the relevant controlling authority for fire (NTFRS or BFNT).

# ERA and FPZ Map - Tennant Creek



### 11.3.3. Flood

Hazard	Controlling Authority	Hazard Management Authority
 Flood	NT Police Force	NT Emergency Service

Floods in Central Australia occur in response to intense rainfall events, often associated with thunderstorms. These can occur at any time of year but are more frequent during the top ends tropical monsoon season, October to April. The Tennant Creek Locality may be subject to isolation caused by seasonal severe storm activity.

Isolation causes communities/individuals to be cut off from the rest of the area. This could mean some people in an area are affected by a flood while others are not. Flood events can cause long-term impacts on communities, such as disruptions to supplies of food, clean water, wastewater treatment, electricity, transport, communication, education and health care. Where isolation is likely to occur for an extended time, pre-season planning by the LEC is critical to ensure there will be limited disruptions to critical goods and services.

The Bureau will issue severe thunderstorm and flood warnings for the Locality via the Local Controller with a prediction of what to expect and advice to send out to their Local Emergency Committee and communities. The river systems of the region are normally dry and sandy with river flows occurring infrequently and only after heavy rainfall from the draining lands. The Locality is drained by a number of rivers and creeks: Phillip Creek, Morphett Creek, Hayward Creek and Tennant Creek. These rivers cause community isolation concerns when in flood. Whilst the Bureau attempt to predict flood producing storms and provide warnings local observations and local knowledge must be utilised.

Many of the roads in the Tennant Creek Locality are unsealed with the potential for rains to cause disruption to transportation. After heavy rains, the roads become saturated leading to the unsealed roads becoming slippery, muddy, water pooling on them, or sections being washed away, and rivers or water courses cutting the roads all together making the roads impassable. These issues can cause isolation to the communities and outstations for periods of a few days to several weeks until the water drains away, roads dry out and / or road maintenance can occur.

Whilst there are no gauging stations for the Locality, the following table provides guidance for riverine flooding on NT communities. The indicative impact of floods levels indicated in the table below:

Flood Classification	Consequence
Minor	Causes inconvenience. Low-lying areas next to water courses are inundated. Minor roads may be closed and low-level bridges submerged. In urban areas inundation may affect some backyards and buildings below the floor level as well as bicycle and pedestrian paths. In rural areas removal of stock and equipment may be required
Moderate	In addition to the above, the area of inundation is more substantial. Main traffic routes may be affected. Some buildings may be affected above the floor level. Evacuation of flood affected areas may be required. In rural areas removal of stock is required
Major	In addition to the above, extensive rural areas and/or urban areas are inundated. Many buildings may be affected above the floor level. Properties and towns are likely to be isolated and major rail and traffic routes closed. Evacuation of flood affected areas may be required. Utility services may be impacted



As the Hazard Management Authority the NTES have established, equipped and trained volunteer units, which are capable of responding to the impact of floods. Initial control and coordination will be through the NTES TDO.

The NTES maintain the Territory EOC in a state of readiness. If the EOC is required to be activated by the Local Controller, the NTES will support this activation and facilitate, where possible, the staffing requests for IMT personnel.

**Prevention and preparative controls include, but are not limited to:**

- radio, television and social media
- community engagement strategies
- LEC participate in education, training, exercises and continued professional development

**Public safety message process:**

- the Bureau issues a flood advice to NTES TDO
- NTES TDO notifies Local Controller and NTES Southern Command Manager
- Local Controller notifies LEC
- NTES Southern Command Manager consults with the Bureau and Incident Controller to determine recommended messaging
- PFES Media Unit or Public Information Group receives approved messaging to publish

**Actions to be taken – Flood**

Organisation / Provider	Flood Watch	Isolation
All Members	Attend LEC meetings Relay information to other key stakeholders	Assist where necessary and ensure all procedures for each location/area to be affected is well prepared
Local Controller	Update LEC members of the impending situation	SITREP is to be circulated to committee members and key stakeholders

### 11.3.4. Hazardous material

	Hazard	Controlling Authority	Hazard Management Authority
	Hazardous material	NT Police Force	NT Fire and Rescue Service

Hazardous material means any of the following:

1. dangerous goods as defined in the *Dangerous Goods Act 1998*
2. a hazardous chemical as defined in the *Work Health and Safety (National Uniform Legislation) Regulations 2011*
3. a product or substance that has the potential to harm life, health, property or the environment

Large quantities of hazardous materials are transported daily by road to many centres throughout the NT and as a consequence any release or spillage could easily result in the loss of life, widespread disruption, danger to communities and a threat to the environment.

Responses to hazardous material incidents will be coordinated from the JESCC. NTFRS resources will be responded as per pre determine response arrangements contained within the ICAD system for incidents occurring within an NTFRS ERA. For incidents occurring outside of an ERA, response will be approved by the rostered NTFRS TDO.


**Prevention and preparative controls include, but are not limited to:**

- a person involved in the handling of dangerous goods must ensure, as far as practicable, that the goods are handled safely as described within the *Dangerous Goods Act 1998*
- a person who manufactures, imports or supplies dangerous goods must ensure, as far as practicable, that the goods are not imported into, or supplied in, the Territory in an unsafe condition as described within the *Dangerous Goods Act 1998*
- hazard labels for dangerous goods
- training in PUA FIR306 Identify, detect and monitor hazardous materials at an incident and PUA FIR308 Employ Personal Protection at a hazardous materials incident delivered to NTFRS members
- NTFRS HAZMAT and Chemical, Biological, Radiological and Nuclear Hazard Management Plan

**Public safety message process:**

- NTFRS to send approved public messaging to NTPFES Corporate Communications Unit for dissemination in consultation with the Police Territory Duty Superintendent

### 11.3.5. Rail crash

	Hazard	Controlling Authority	Hazard Management Authority
	Rail crash	NT Police	NT Fire and Rescue Service

A rail crash, train collision, train accident or train crash is a type of disaster involving one or more trains. A rail crash often occur as a result of miscommunication, as when a moving train meets another train on the same track; or an accident, such as when a train wheel jumps off a track in a derailment. Rail crashes have often been widely covered in popular media and in folklore.

Responses to rail crash incidents will be coordinated from the JESCC. NTFRS resources will be responded as per pre-determined response arrangements contained within the ICAD for incidents occurring within an NTFRS ERA. For incidents occurring outside of an ERA, responses will be approved by the rostered NTFRS TDO.


**Prevention and preparative controls include, but are not limited to:**

- maintain a clear railway, removing animal hazards
- training in PUASAR022 - participate in a rescue operation delivered to NTFRS members
- Tennant Creek NTFRS Fire Station and the NTES Volunteer Unit

**Public safety message process:**

- NTPF Territory Duty Superintendent to approve public messaging and forward to NTPFES Corporate Communications Unit for dissemination

### 11.3.6. Road crash

	Hazard	Controlling Authority	Hazard Management Authority
	Road crash	NT Police Force	NT Fire and Rescue Service

A road crash occurs when a vehicle collides with another vehicle, pedestrian, animal, road debris, or other stationary obstruction, such as a tree, pole or building. Road crashes often result in injury, disability, death, and or property damage as well as financial costs to both society and the individuals involved. Emergency services are frequently called on to extricate seriously injured casualties from their vehicles following road crashes. This is achieved by employing space creation techniques to create openings in the vehicle. These openings make it possible to administer first aid to the casualty and to remove them from the vehicle.

A number of factors contribute to the risk of collisions, including vehicle design, speed of operation, road design, weather, road environment, driving skills, fatigue, impairment due to alcohol or drugs, and behaviour, notably aggressive driving, distracted driving, speeding and street racing.

Responses to road crash incidents will be coordinated from the JESCC. NTFRS will respond as per determined response arrangements contained within the ICAD system for incidents occurring within an NTFRS ERA. For incidents occurring outside of an ERA, response will be approved by the rostered NTFRS TDO.


**Prevention and preparative controls include, but are not limited to:**

- radio, television and social media posts
- targeted road safety campaigns
- community engagement strategies
- training in PUASAR024 - undertake road crash rescue delivered by NTFES and NTFRS to NTPFES members

**Public safety message process:**

- Police Territory Duty Superintendent to approve public messaging and forward to NTPFES Corporate Communications Unit for dissemination

### 11.3.7. Storm and water damage

	Hazard	Controlling Authority	Hazard Management Authority
	Storm and water damage	NT Police Force	NT Emergency Service

The Bureau defines a severe storm, as one which produces:

- hail, diameter of 2 cm or more (\$2 coin size)
- wind gusts of 90 km/h or greater
- flash floods
- tornadoes
- or, any combination of these

Severe storms can be quite localised and develop quickly. The exact location of severe storms can be hard to predict and conditions can change rapidly without warning. The Bureau will issue storms warnings for the Locality via the Local Controller with a prediction of what to expect and advice to send out to their Local Emergency Committee and community stakeholders.

As the Hazard Management Authority the NTES have established, equipped and trained volunteer unit in the Tennant Creek Locality which is capable of responding to the impact of storms. Initial control and coordination will be through the NTES TDO.

**Prevention and preparative controls include, but are not limited to:**

- radio, television and social media
- community engagement strategies
- LEC participate in education, training, exercises and continued professional development

**Public safety message process:**

- the Bureau issues a flood advice to NTES TDO
- NTES TDO notifies Local Controller and NTES Southern Command Manager
- Local Controller notifies LEC
- NTES Southern Command Manager consults with the Bureau and Incident Controller to determine recommended messaging
- PFES Media Unit or Public Information Group receives approved messaging to publish

## 11.4. Annex D: Evacuation Guideline

The following is to be used as a guide only.

Stage 1 - Decision		
Authority	<p>The Regional Controller will authorise the activation of the evacuation plan.</p> <p>This evacuation plan is to be approved by the TEMC prior to activation.</p>	Regional Controller in conjunction with TEMC
Legal references	The Act and approved Local Emergency Plan. It is recommended that the Minister declares an Emergency Situation under section 18 of the Act, when this evacuation plan is activated.	
Alternative to evacuation? I.e. shelter in place, temporary accommodation on-site/nearby.	If needed residents will be progressively relocated within the community to <location to be determined>.	Local Controller to arrange
Summary of proposed evacuation	<p><b>Decision</b> – made by the Regional Controller when the community have sustained damage during &lt;to be determined&gt; that cannot support residents in situ during recovery.</p> <p>The Local Controller to disseminate information to the community.</p> <p><b>Withdrawal</b> – three stage process:</p> <ol style="list-style-type: none"> <li>1. &lt;location to be determined&gt;; community to the &lt;location to be determined&gt;; to be registered for evacuation to &lt;location to be determined&gt;</li> <li>2. once registered, groups to move to the airstrip assembly area using buses/vehicles</li> <li>3. Red Cross to register check utilising Register Find Reunite.</li> </ol> <p><b>Shelter</b> – evacuees will be encouraged to stay with friends or family. The remainder will be accommodated at an evacuation centre &lt;Location to be determined&gt;</p> <p><b>Return</b> – to be determined once recovery can sustain return to &lt;location to be determined&gt;.</p>	The decision will be informed by additional advice from technical experts, e.g. the Bureau.
Which communities/outstations or geographical area does the evacuation apply to?	<Outstations, Homelands and homesteads>	
Vulnerable groups within the community	The Medical Group will liaise with local health staff and provide information on medically vulnerable people.	Medical Group & Transport Group to action.

	The identified people will be evacuated <at a time to be determined>.	
Community demographics (approx. total number, family groups, cultural groups etc.)	<p>For more information, refer to the Evacuation Centre Field Guide (page 20 section 4.3) which can be found in WebEOC.</p> <p>Examine the demographic breakdown of the community to be evacuated including:</p> <ul style="list-style-type: none"> <li>• the total number of people being evacuated</li> <li>• an estimate of the number of people likely to require accommodation in the evacuation centre</li> <li>• a breakdown of the evacuees to be accommodated by age and gender. For example, the number of family groups and single persons, adult males and females, teenage males and females, and the number of primary school-aged children, toddlers and infants</li> <li>• a summary of cultural considerations, family groups, skin groups and community groups</li> <li>• potential issues that may arise as a result of these groups being accommodated in close proximity to one another</li> <li>• a summary of people with health issues, including chronic diseases, illnesses and injuries.</li> <li>• details of vulnerable clients (other than medically vulnerable), such as the elderly, frail and disabled (and if they are accompanied by support i.e. family members)</li> <li>• details of community workers also being evacuated who may be in a position to support the operation of the evacuation centre. Examples include teachers, nurses, health workers, shire staff, housing staff and police.</li> </ul>	
What is the nature of the hazard?	<To be determined>	
Estimated duration of the potential evacuation?	<To be determined>	
Triggers for the evacuation	<p><b>Example</b></p> <ol style="list-style-type: none"> <li>1. evacuation planning to commence when the Locality is under a &lt;to be determined&gt;</li> </ol>	Regional Controller



	<p>2. implement evacuation if the severity and impact has caused major damage and disruption to all services</p> <p>3. elderly and vulnerable people are to be considered for evacuation due to limited health services.</p> <p>Further details of the intra-community relocation plan are required.</p>	
Self-evacuation	Where possible residents will be encouraged to self-evacuate and make their own accommodation arrangements if they wish to do so. Individuals and families taking this option will be encouraged to register prior to leaving the community.	Local Controller
Responsibility for the coordination Stage 1	Regional Controller Local Controller	
<b>Stage 2 – Warning</b>		
Who has the authority to issue warnings?	<p>The Bureau will issue advice and warnings. All further public information will be approved by the Regional Controller in consultation with the Public Information Group and NTES.</p> <p>The Local Controller will coordinate the dissemination of community level information.</p> <p>A combination of the following will be utilised:</p> <ul style="list-style-type: none"> <li>• broadcasted over radio and television</li> <li>• social media utilising the NTPFS Facebook page SecureNT twitter feed.</li> <li>• loud hailer</li> <li>• door to door</li> <li>• Emergency Alert System.</li> </ul>	Regional Controller to liaise with Public Information Group and NTES
Process for issuing evacuation warnings and other information	At community level, the Local Controller is to appoint a community spokesperson to disseminate up to date situational information at community meetings which are to be held immediately post a convening LEC meeting, at each declared stage of the Local Emergency Plan. A media brief approved by the Local Controller at each LEC meeting, will be announced over the local radio station containing current situational information, relevant safety information, what to prepare, when to self-evacuate, and where to go.	Local Controller
When will warnings be issued (relative to the impact of the hazard)?	Immediately upon a decision to evacuate being made the LEC will commence coordinating residents to prepare for transport.	Local Controller

<p>What information will the messages contain? (What do people need to know?)</p>	<p>To be determined:</p> <ul style="list-style-type: none"> <li>• outline of the proposed evacuation plan</li> <li>• measure to prepare residences</li> <li>• safety issues; not overloading transport</li> <li>• items to bring on the evacuation</li> <li>• arrangements for pets and animals.</li> </ul>	<p>Local Controller Biosecurity &amp; Animal Welfare Group liaison</p>
<p>Responsibility for the coordination of Stage 2</p>	<p>Local Controller/Regional Controller</p>	
<p><b>Stage 3 - Withdrawal</b></p>		
<p>Outline</p>	<p>Three stage process:</p> <ol style="list-style-type: none"> <li>1. community residents to &lt;staging area 1&gt;</li> <li>2. &lt;staging area 1&gt; to airport</li> <li>3. airport to &lt;location to be determined&gt; evacuation centre</li> </ol>	
<p>Tennant Creek community to the airstrip</p>	<p><b>Lead</b></p> <ul style="list-style-type: none"> <li>• NTPF</li> </ul> <p><b>Overview</b></p> <ul style="list-style-type: none"> <li>• the community will gather at the &lt;location to be determined&gt; prior to being transported by community buses to the airstrip.</li> </ul> <p><b>Risks/other considerations</b></p> <ul style="list-style-type: none"> <li>• evacuation should be undertaken during daylight hours, if possible.</li> <li>• risks include inclement weather, persons with infectious diseases, vulnerable persons, and frail/elderly persons, chronically ill</li> <li>• estimated time en-route: ___ minutes each way</li> <li>• estimated timeframe overall: ___ hours utilising current resources.</li> <li>• alternate transport options.</li> </ul>	<p>NTPF</p>

<p><b>Assembly area</b></p>	<p>Likely location of evacuation centre: &lt;location to be determined&gt;.</p> <p>Additional resources will be required to host an evacuation centre in the form of tents and bedding. This will also be the point where evacuee registration will take place. Basic services should be provided i.e. drinking water, information.</p> <p><b>Services to be provided</b></p> <ul style="list-style-type: none"> <li>• Red Cross Coordinator: Red Cross</li> </ul> <p><b>Other details</b></p> <p>Evacuee registration. Residents will need to register at &lt;location to be determined&gt; or airport if (self-evacuating) to be permitted access to the evacuation centre at the &lt;location to be determined&gt;.</p>	<p>NTPF/TFHC</p>
<p><b>Tennant Creek community to &lt;location to be determined&gt;</b></p>	<p><b>Lead - NTPF</b></p> <p><b>Example Lead - Transport Group</b></p> <p><b>Overview</b></p> <ul style="list-style-type: none"> <li>• Transport Group has identified commercial operators and the Police Air Section able to provide evacuation assistance.</li> <li>• Total proposed air assets: _____. Commercial operators will be charging commercial rates for their services at a cost of (\$_____).</li> <li>• The operation will begin at _____hrs with the first aircraft, leaving &lt;to be determined&gt; and arriving at _____hrs</li> <li>• The operation will continue throughout the day until all community members are evacuated. It is estimated that all community members can be evacuated by _____hrs (arriving in &lt;to be determined&gt;).</li> </ul>	<p>NTPF/Transport/Logistics</p>

<p>&lt; Location &gt; airport to evacuation centre &lt;to be determined&gt;</p>	<p><b>Lead - Transport Group</b></p> <p><b>Example</b></p> <p><b>Overview</b></p> <ul style="list-style-type: none"> <li>• Buses (Buslink) will be on standby at</li> <li>• &lt;location to be determined&gt; airport from ____am to receive passengers and continue throughout the day transferring to &lt;to be determined&gt; only, as required.</li> <li>• Transport staff will be on the ground at &lt;location to be determined&gt; airport to marshal passengers on buses only.</li> <li>• Buses to be arranged by the Transport Group. Evacuees will be collected from &lt;location to be determined&gt; airport and transported to the &lt;location to be determined&gt;.</li> </ul> <p>A reception team provided by NTPF will meet evacuees and facilitate transport.</p> <ul style="list-style-type: none"> <li>• details &lt;to be determined&gt;</li> <li>• estimated time en-route: ____ minutes</li> <li>• estimated timeframe: possibly ____ hours, dependant on aircraft arrivals</li> <li>• alternate transport options: ____.</li> </ul>	<p>Transport Group</p>
<p><b>End point</b></p>	<p>&lt;location to be determined&gt;</p>	<p>EOC/welfare coordination</p>
<p><b>Transport of vulnerable members of the community</b></p>	<p>Medical Group to arrange transport of vulnerable people from the community to &lt;location to be determined&gt;.</p>	<p>Medical Group</p>
<p><b>Registration and tracking</b></p>	<ul style="list-style-type: none"> <li>• Welfare Group to activate registration arrangements. Registration will be undertaken by NTPF and will occur at &lt;location to be determined&gt;.</li> <li>• Names of evacuees will be obtained prior to boarding buses.</li> <li>• Where possible details of individuals and families self-evacuating to be obtained on arrival at the &lt;location to be determined&gt; airstrip.</li> <li>• If persons are not registered as evacuees or self-evacuees they will not be provided access to the evacuation shelter.</li> </ul>	<p>Welfare Group/ NTPF</p>
<p><b>Coordination Stage 3</b></p>	<p>Regional Controller</p>	<p>EOC coordination.</p>

### Stage 4 – Shelter

<b>Overview</b>	An evacuation centre will be established at the <location to be determined>. The <location to be determined> will be the primary areas used.	
<b>Alternate shelter options</b>	Where possible evacuees will be encouraged to seek alternative accommodation with family, friends or through commercial accommodation.	
<b>Estimated duration of the shelter phase</b>	To be determined	
<b>Arrangements for domestic animals</b>	No domestic animals are to accompany evacuees. Any self-evacuees with domestic animals will be expected to make their own arrangements for the animals.	Advise Animal Welfare
<b>Roles</b>		
• Director	TFHC	Welfare Group
• Deputy Director	TFHC	Welfare Group
• Logistics/planning	EOC	Controlling Authority
• Admin teams	EOC	DCMC/Welfare Group
• Shift manager/s	To be determined – drawn from pool of trained staff.	Welfare Group
• Welfare team	To be determined	Welfare Group
• Facility team	To be determined	
• Sport and Rec team	To be determined	
• Medical team	To be determined. It is likely St Johns volunteers will be requested. Evacuees will be referred to off-site medical services.	Medical Group
• Public health team	To be determined	Public Health Group
• Transport team	To be determined	Transport Group
<b>Evacuation centre set-up</b>	Refer to the evacuation centre template for set-up considerations.	
<b>What strategy will be put in place to close the evacuation centre?</b>	Closure of the evacuation centre will be largely dependent on the extent of inundation and complexity of the recovery process.	

**Stage 5 – Return**

<b>Indicators or triggers that will enable a return</b>	(Refer to Recovery action plan for the community) DCMC	
<b>Who is responsible for developing a plan for the return?</b>	Recovery coordination in conjunction with IMT.	
<b>• Transportation</b>	To be determined	
<b>• Route/assembly points en-route</b>	To be determined	
<b>• End point</b>	To be determined	
<b>How will information about the return be communicated to evacuees?</b>	To be determined	
<b>What information needs to be conveyed to the evacuated community members?</b>	To be determined	

## 11.5. Annex E: Summary of response and recovery activities

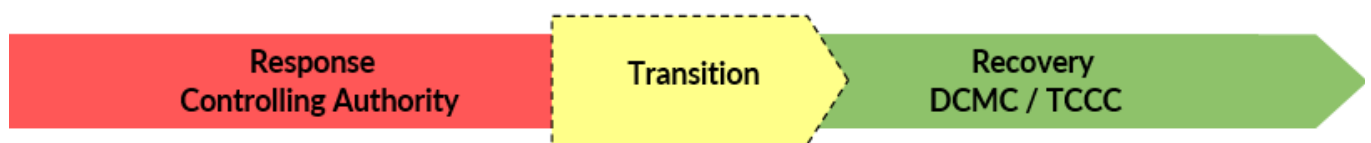
The following table outlines a summary of possible response and recovery activities to be considered following an event.

This table is presented as a guide only, assisting emergency managers with operational decision making, planning and resource allocation. It also highlights the importance of response and recovery coordination working collaboratively.

Activities have been broken down and are listed under either response or recovery for simplicity and ease of use. In practice not all response activities will be completed during the response phase. Likewise not all recovery activities will commence after the transition to recovery.

The post event period of any event is highly dynamic and produces many challenges, both foreseen and unpredicted. Response and recovery coordination must be flexible and able to adapt to the situation as it evolves.

In most cases the points noted in this table and in the ensuing document are outlined in greater detail in functional group or agency plans.



Activity	Response activities	Recovery activities
1. Situational awareness	<ul style="list-style-type: none"> <li>Road clearance teams</li> <li>General public</li> <li>Media reports</li> <li>Survey and rescue teams</li> <li>Impact assessment teams</li> </ul>	<ul style="list-style-type: none"> <li>Contributes to recovery planning through impact assessment data</li> <li>Comprehensive Impact Assessments</li> <li>Needs Assessment</li> </ul>
2. Public Information	<ul style="list-style-type: none"> <li>Public Information Group activation</li> <li>Spokes persons identified</li> <li>SecureNT activated</li> </ul>	<ul style="list-style-type: none"> <li>Continues in recovery</li> </ul>
3. Survey and Rescue	<ul style="list-style-type: none"> <li>designated areas</li> <li>Critical sites surveyed</li> <li>Deploy rescue teams – NTFRS and Territory Response Group provide primary urban search and rescue capability</li> </ul>	<ul style="list-style-type: none"> <li>Survey and Impact Assessment data used to develop the Recovery Action Plan</li> </ul>
4. Road clearance	<ul style="list-style-type: none"> <li>Road patrol teams deploy and check assigned routes</li> <li>Road clearance to priority sites</li> <li>Assess Stuart Hwy to Katherine and Alice Springs and Barkly Highway to Mt Isa (supply routes)</li> </ul>	<ul style="list-style-type: none"> <li>Restoration of road networks and bridges</li> <li>Return to business as usual</li> </ul>
5. Emergency accommodation	<ul style="list-style-type: none"> <li>Emergency accommodation and shelter</li> </ul>	<ul style="list-style-type: none"> <li>Evacuation centres may continue into recovery</li> </ul>

Activity	Response activities	Recovery activities
	<ul style="list-style-type: none"> <li>- evacuation centres</li> <li>• Provision of resources that will enable people to remain in their homes</li> <li>• Emergency clothing</li> </ul>	<ul style="list-style-type: none"> <li>• Temporary accommodation options</li> <li>• Repatriation planning</li> </ul>
6. Medical	<ul style="list-style-type: none"> <li>• Hospital <ul style="list-style-type: none"> <li>- road clearance to the hospital</li> <li>- damage assessment</li> <li>- increase morgue capacity</li> <li>- divert patients from remote and regional areas</li> <li>- power (fuel) and water supplies</li> </ul> </li> <li>• Medical clinics and field hospitals <ul style="list-style-type: none"> <li>- determine the need for clinics to be opened</li> <li>- assess damage to clinics</li> <li>- deploy field hospital/s</li> </ul> </li> <li>• Medical presence in shelters <ul style="list-style-type: none"> <li>- supplied by the Medical Group</li> </ul> </li> <li>• ambulance pick up points on key, cleared roads</li> <li>• GP clinics and pharmacies <ul style="list-style-type: none"> <li>- identify GP clinics able to open</li> <li>- identify pharmacies able to open</li> </ul> </li> <li>• Medically vulnerable people <ul style="list-style-type: none"> <li>- support agencies to follow-up and advise the Medical Group</li> <li>- vulnerable people in shelters</li> <li>- support for vulnerable people at shelters</li> </ul> </li> <li>• Care Flight/Royal Flying Doctors Service</li> </ul>	<ul style="list-style-type: none"> <li>• Hospital <ul style="list-style-type: none"> <li>- repair works</li> <li>- business continuity plans</li> </ul> </li> <li>• Department of Health <ul style="list-style-type: none"> <li>- health centres</li> <li>- repair works</li> <li>- reopen other clinics</li> </ul> </li> <li>• Support return of vulnerable people in community.</li> <li>• GP clinics and pharmacies <ul style="list-style-type: none"> <li>- ongoing liaison by the Medical Group</li> </ul> </li> <li>• Care Flight/Royal Flying Doctors Service - resume business as usual</li> <li>• St John Ambulance – resume business as usual</li> </ul>



Activity	Response activities	Recovery activities
7. Essential goods and services	<ul style="list-style-type: none"> <li>Establish emergency feeding and food distribution points</li> <li>Assessing the damage to suppliers and retailers of critical resources</li> <li>Assess the impact on barge operations and any effect on the ability to supply remote communities</li> <li>Implement interim banking arrangements</li> </ul>	<ul style="list-style-type: none"> <li>Support the re-opening of the private business sector</li> <li>Monitor levels and availability of essential goods</li> <li>Manage logistics arrangements supplying resources to outlying communities</li> <li>Public Health inspections (food outlets)</li> <li>Banking sector business continuity arrangements</li> </ul>
	<p><u>Fuel</u></p> <ul style="list-style-type: none"> <li>Fuel suppliers and point of sale</li> <li>Manage fuel supplies to emergency power generation</li> </ul>	<ul style="list-style-type: none"> <li>Monitor fuel levels</li> <li>Infrastructure repairs</li> <li>Emergency fuel supplies for recovery</li> <li>Liaise with fuel suppliers, distributors and wholesalers to re-establish long term supply</li> </ul>
	<p><u>Banking</u></p> <ul style="list-style-type: none"> <li>Assess damage to banks and ATMs</li> <li>Implement temporary arrangements</li> </ul>	<ul style="list-style-type: none"> <li>Emergency cash outlets</li> <li>Implement long term arrangements</li> </ul>
8. Evacuation	<ul style="list-style-type: none"> <li>Evacuations within community</li> <li>Evacuation out of community</li> <li>Registration</li> </ul>	<ul style="list-style-type: none"> <li>Support services for evacuees</li> <li>Recovery information for evacuees</li> <li>Repatriation</li> </ul>
9. Public Health	<ul style="list-style-type: none"> <li>Communicable disease control response</li> <li>Drinking water safety standards</li> <li>Sewage and waste disposal</li> <li>Safe food distribution and advice</li> <li>Vector and vermin control</li> <li>Food and commercial premises</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing in recovery</li> </ul>
10. Utilities	<ul style="list-style-type: none"> <li>Power supply</li> <li>Power generation</li> <li>Water supply</li> <li>Sewerage</li> <li>Emergency sanitation</li> </ul>	<ul style="list-style-type: none"> <li>Restore power network</li> <li>Restore water and sewerage infrastructure</li> <li>Issue alerts until safe to use</li> </ul>

Activity	Response activities	Recovery activities
11. Impact Assessments	<ul style="list-style-type: none"> <li>• Training assessment teams</li> <li>• Initial Impact Assessments</li> </ul>	<ul style="list-style-type: none"> <li>• Comprehensive Impact Assessments</li> <li>• Ongoing needs assessments</li> </ul>
12. Transport infrastructure (supply lines)	<u>Air (Airport/Airstrip)</u> <ul style="list-style-type: none"> <li>• Clear the runway to allow air movements</li> <li>• Establish a logistics hub at the airport</li> <li>• Terminal damage and operational capability assessment</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor repairs and business continuity activities</li> </ul>
	<u>Road</u> <ul style="list-style-type: none"> <li>• Highway and critical access roads damage assessment</li> <li>• Repair work to commence immediately</li> </ul>	<ul style="list-style-type: none"> <li>• Planning and prioritising repair work of all affected key Territory Highways (Stuart, Barkly, Victoria and Arnhem)</li> </ul>
	<u>Rail</u> <ul style="list-style-type: none"> <li>• Rail damage assessment</li> <li>• Outage estimation</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing liaison with operator to support restoration to business as usual</li> </ul>
13. Waste management	<ul style="list-style-type: none"> <li>• Waste management requirements and develop waste management plan if required</li> </ul>	<ul style="list-style-type: none"> <li>• Continues in recovery</li> </ul>
14. Repairs and reconstruction	<ul style="list-style-type: none"> <li>• Private housing <ul style="list-style-type: none"> <li>- impact assessments</li> <li>- temporary repairs</li> </ul> </li> <li>• Government buildings <ul style="list-style-type: none"> <li>- damage assessment</li> </ul> </li> <li>• Public housing <ul style="list-style-type: none"> <li>- impact Assessments</li> </ul> </li> <li>• Private industry <ul style="list-style-type: none"> <li>- damage assessments</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Private housing <ul style="list-style-type: none"> <li>- information and support to facilitate repairs</li> </ul> </li> <li>• Government buildings <ul style="list-style-type: none"> <li>- repairs and reconstruction</li> </ul> </li> <li>• Public housing <ul style="list-style-type: none"> <li>- long term repair plans</li> </ul> </li> <li>• Private industry <ul style="list-style-type: none"> <li>- repair and reconstruction</li> </ul> </li> <li>• Temporary accommodation for a visiting construction workforce</li> </ul>
15. Transport Services	<ul style="list-style-type: none"> <li>• Staged re-establishment of public transport services</li> </ul>	<ul style="list-style-type: none"> <li>• Continues in recovery</li> </ul>
16. Tele-communications	<ul style="list-style-type: none"> <li>• Telstra and Optus will assess the damage to their infrastructure</li> </ul>	<ul style="list-style-type: none"> <li>• Repair damage networks and infrastructure (for private</li> </ul>

Activity	Response activities	Recovery activities
	<ul style="list-style-type: none"> <li>Put in place temporary measures to enable landline and mobile services</li> </ul>	<p>entities there is support for operators only)</p>
17. Public safety	<ul style="list-style-type: none"> <li>Police will maintain normal policing services to the community</li> </ul>	<ul style="list-style-type: none"> <li>Gradual return to business as usual</li> </ul>
18. Animal welfare	<ul style="list-style-type: none"> <li>Temporary emergency arrangements for pets</li> </ul>	<ul style="list-style-type: none"> <li>Reunite pets with their owners and cease emergency support arrangements</li> </ul>
19. Community consultation	<ul style="list-style-type: none"> <li>Information provision regarding the overall situation, response efforts, what services are available and how to access them</li> </ul>	<ul style="list-style-type: none"> <li>Community consultation process regarding long term recovery and community development</li> </ul>

# 11. Acronyms

Acronyms	Definitions
AAPA	Aboriginal Areas Protection Authority
ABC	Australian Broadcasting Corporation
AEP	Aerodrome Emergency Plan
AIDR	Australian Institute Disaster Resilience
AIIMS	Australasian Inter-service Incident Management System
ARFFS	Aviation Rescue and Fire Fighting Service
BFNT	Bushfires NT
BRC	Barkly Regional Council
CAAMA	Central Australia Aboriginal Media Authority
CAHS	Central Australia Health Service
DCDD	Department of Corporate and Digital Development
DCMC	Department of the Chief Minister and Cabinet
DEPWS	Department of Environment, Parks and Water Security
DIPL	Department of Infrastructure, Planning and Logistics
DITT	Department of Industry, Tourism and Trade
DoE	Department of Education
DoH	Department of Health
EOC	Emergency Operations Centre
ERA	Emergency Response Area
FPZ	Fire Protection Zone
ICAD	Intergraph Computer-Aided Dispatch
ICC	Incident Control Centre
ICP	Incident Control Point
IMT	Incident Management Team

Acronyms	Definitions
JESCC	Joint Emergency Service Communication Centre
KM	Kilometres
LCC	Local Coordination Centre
LEC	Local Emergency Committee
LRCC	Local Recovery Coordination Committee
M	Metres
NERAG	National Disaster Risk Assessment Guidelines
NTES	Northern Territory Emergency Service
NTFRS	Northern Territory Fire and Rescue Service
NTG	Northern Territory Government
NTPF	Northern Territory Police Force
NTPFES	Northern Territory Police, Fire and Emergency Services
PAWC	Power and Water Corporation
PPRR	Prevention, Preparedness, Response and Recovery
RAT	Rapid Assessment Team
RCC	Rescue Coordination Centre
SEWS	Standard Emergency Warning Signal
SITREP	Situation Report
TDO	Territory Duty Officer
TEMC	Territory Emergency Management Council
TFHC	Department of Territory Families, Housing and Communities
WebEOC	Web-Base Emergency Operations Centre