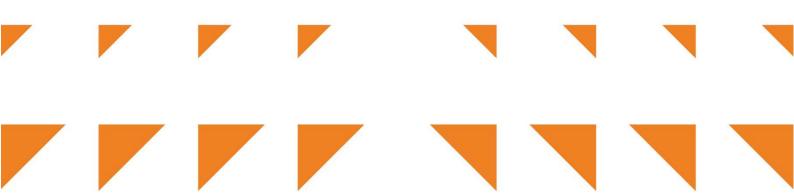


Warruwi Local Emergency Plan



Contents

1. Document Control	4
1.1. Governance	4
1.2. Version history	4
2. Acknowledgement of country	5
3. Introduction	
3.1. Purpose	
3.2. Application	
3.3. Key considerations	
4. Locality context	
4.1. Climate and weather	
4.2. Geography	
4.3. Sacred sites	
4.4. Sites of conservation	
4.5. NT and Local Government	
4.6. Building codes	
4.7. Land use	9
4.8. Homelands	9
4.9. Power generation and distribution	9
4.10. Water services	9
4.11. Health infrastructure	9
4.12. Medically vulnerable clients	9
4.13. Emergency service infrastructure	
4.14. Roads	
4.15. Airports	
4.16. Ports (barge landings)	
4.17. Telecommunication	
4.18. Strengthening Telecommunications Against Natural Disasters	
4.19. Local radio stations	
5. Prevention	11
5.1. Emergency risk assessments	
5.2. Disaster hazard analysis and risk register	
5.3. Hazard specific prevention and mitigation strategies	
6. Preparedness	
6.1. Planning	
6.2. Emergency resources and contacts	
6.3. Training and education	
6.4. Community education and awareness	
6.5. Exercises	
7. Response	
7.1. Control and coordination	

7.2. Local Emergency Controller	14
7.3. Local Emergency Committee	14
7.4. Emergency Operations Centre/Local Control Centre	15
7.5. WebEOC	15
7.6. Situation reports	15
7.7. Activation of the Plan	16
7.8. Stakeholder notifications	16
7.9. Official warnings and general public information	16
7.10. Australasian Inter-Service Incident Management System	17
7.11. Closure of schools	17
7.12. Closure of government offices	17
7.13. Emergency shelters or strong buildings	18
7.14. Evacuation	18
7.15. Identified evacuation centres	19
7.16. Register.Find.Reunite registration and inquiry system	19
7.17. Impact assessment	19
8. Recovery	20
8.1. Local Recovery Coordinator and Coordination Committee	20
8.2. Transitional arrangements	20
9. Debrief	21
10. Related references	
11. Annexures	
11.1. Annex A: Functional groups - roles and responsibilities	
11.2. Annex B: Functions table	
11.3. Annex C: Prevention, mitigation strategies and action plans for identified hazards	
11.3.1. Cyclone	
11.3.2. Fire	
11.3.3. Flooding	
11.3.4. Road crash	
11.4. Annex D: Evacuation guideline	
11.5. Annex E: Summary of Response and Recovery Activities	
12. Acronyms	49

1. Document Control

1.1. Governance

Document title	Warruwi Local Emergency Plan	
Contact Details	NT Emergency Service, Planning and Preparedness Command	
Approved by	Territory Controller	
Date Approved	12 December 2014	
Document Review	Annually	
TRM Number	04:D23:71862	

1.2. Version history

Date	Version	Author	Summary of Changes
12/12/2014	1	John McRoberts	First Version
4/11/2015	2	Reece Kershaw	Reviewed and updated
30/12/2016	3	Kate Vanderlaan	Reviewed and updated
27/11/2018	4	Travis Wurst	Reviewed and updated
20/01/2020	5	Michael Hebb	Reviewed and endorsed by the Regional Controller, as the Territory Controller's delegate
17/11/2020	6	Travis Wurst	Reviewed and endorsed by the Regional Controller, as the Territory Controller's delegate
13/10/2021	7	Martin Dole	Reviewed and endorsed by the Regional Controller, as the Territory Controller's delegate
20/06/2023	8	Travis Wurst	Reviewed and endorsed by the Regional Controller, as the Territory Controller's delegate
13/06/2024	9	Matthew Hollamby	Reviewed and endorsed by the Regional Controller, as the Territory Controller's delegate
11/03/2025	10	Peter Malley	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 Fire and Emergency Services (NTFES) and the Northern Territory Police Force (NTPF) acknowledges the First Nations people throughout the Northern Territory (NT), 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 the Warruwi Locality (the Locality).

3.2. Application

This Plan applies to the Locality.

3.3. Key considerations

The *Emergency Management Act 2013* (the Act) is the legislative basis for emergency management across the 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)
- confirms appointment of a Local Recovery Coordinator
- confirms establishment of a Local Recovery Coordination Committee
- 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 Northern Regional Emergency Plan¹ as it relates to the Locality. For further information on the hierarchy of plans, refer to the Territory Emergency Plan².

Warruwi is the main community on the South Goulburn Island. The Locality also includes North Goulburn Island. The Goulburn Islands are approximately 300 kilometres (km) east of Darwin at the eastern base of the Coburg Peninsular, and forms part of the Northern Region, as defined by the Territory Emergency Plan.

The population of the Locality is approximately 432, with the Majority residing in the Warruwi Community. There are also a number of homelands in the Locality, population numbers for these homelands are currently not recorded:

- Amatjatpalk
- Injilatparri
- Ngipin
- Wigu

To obtain more information about this Locality, BushTel³ is the central point for information about the remote communities of the NT, their people and cultural and historical influences.

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

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

³ More information can be found at: <u>BushTel - Remote Communities of the NT</u>

LEGEND	
 Police Station Roads - Track Homeland Major Community Emergency Management Boundary Emergency Management Regions 	

4.1. Climate and weather

The Locality experiences similar weather conditions to those which occur throughout the Top End of the NT. There is a distinct Wet Season (October to April) and Dry Season (May to September). Compared to Darwin, temperatures tend to be slightly higher during the Wet Season and slightly lower during the Dry Season.

4.2. Geography

The Locality is a mixture of flat and slightly elevated terrain, covered with native gum trees and fringed by sandy beaches, mangroves and coral reef. Traditional Aboriginal owners also have control of North Goulburn Island that consists of a similar landscape. North Goulburn is used for hunting and fishing.

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 1976 (Cth) 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.

4.4. Sites of conservation

There are no sites of conservation for the Locality. For further information about conservation sites contact the Department of Lands, Planning and Environment (DLPE).

4.5. NT and Local Government

This Locality sits within the Top End region, with the following NT Government (NTG) agencies that have a presence in the Locality:

- NTPF
- NTFES
- NT Emergency Service (NTES) Volunteer Unit (non-operational)
- Department of Health (DOH)
 - Red Lily Health Centre
- Department of Education and Training (DET)
 - Warruwi School

The Locality sits within the West Arnhem Regional Council (WARC).

4.6. Building codes

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

4.7. Land use

The Northern Land Council (NLC) represent the Traditional Owners of the Arnhem Land Aboriginal Land Trust. Land use in the Locality is primarily determined in consultation between NLC, Traditional Owners and WARC, and includes but not limited to:

- air strip
- residential
- sewerage ponds
- waste management

4.8. Homelands

Homelands (outstations) are typically located on Aboriginal land, which is held by the Aboriginal Land Trusts established under the *Aboriginal Land Rights (Northern Territory) Act 1976* (Cth). There are also some homelands that are located on Community Living Areas or parcels of land within national parks. Assets on homelands are owned by the underlying leaseholder, which for the majority of homelands is the relevant Aboriginal Land Trust. Generally, homelands are not subject to the NTG leasing or part of the NT's remote public housing system.

Homeland service providers contribute to the delivery of housing, municipal and essential services, including fire breaks, where funding allows. Homeland service providers do not deliver emergency services. Land councils and local ranger groups within the Locality may provide land management activities on Aboriginal land, such as back burning, installing firebreaks and other mitigation works.

4.9. Power generation and distribution

The Locality is supplied with power by 3 diesel generators which are operated and maintained by the Power and Water Corporation (PAWC). The station keeps enough diesel for 11 weeks of power supply during the Wet Season. South Goulburn Island has a solar farm which contributes to 33% or power requirements during the Dry Season and 0%-5% during Wet Season cloud cover.

4.10. Water services

The Locality's water is sourced from bores which is treated and supplied by PAWC.

4.11. Health infrastructure

Red Lily Health Centre is serviced by DOH remote health services and provides 24 hour/7 days a week acute/emergency response through health staff on call, and primary health care to the community and surrounding outstations. The health centre is staffed by 3 nurses and a doctor that attends one day per week. The clinic houses an emergency room, 2 consulting rooms, a Manager's office and a kitchen. The centre has a generator which can power the entire clinic in the event of power outage.

The centre has the capacity to provide emergency medical aid in addition to routine health treatment. Serious medical cases are required to be evacuated to Darwin.

4.12. Medically vulnerable clients

The Red Lily Health Centre has a list of medically vulnerable clients. The list is held with the centre manager and updated regularly. There are no aged care facilities in Warruwi, but the WARC provides services for aged care residents.

4.13. Emergency service infrastructure

The Locality has the following emergency service infrastructure:

- emergency shelter (Warruwi School)
- police station

4.14. Roads

There are some sealed roads in Warruwi, while other unsealed roads are relatively well maintained, however they are prone to flooding/closure and deterioration during the Wet Season.

4.15. Airports

The table below lists the airstrips in the Locality:

Name of the strip	Datum	Certified Aerodrome	Details (type, length, etc.)	Operator of the strip
Warruwi	11°25 S 130° 38E	No	Dimensions: 1440 metres (m) x 30 m Surface: sealed Windsock: terminal Hazards: fenced Lighting: manual with back up genset Fuel held: nil	Warruwi Council

4.16. Ports (barge landings)

The barge landing is 3 km from the Warruwi community on an unsealed road.

4.17. Telecommunication

Telecommunications are available across the Warruwi town area via a combination of landline, mobile and satellite communications delivery. Adverse weather can directly affect the delivery of telecommunications.

4.18. Strengthening Telecommunications Against Natural Disasters

As a result of the Royal Commission into the 2019-2020 summer bushfires, the Commonwealth government implemented the Strengthening Telecommunications Against Natural Disasters (STAND) initiative. STAND is a Commonwealth funded program, aimed at enhancing the resilience of Australia's telecommunication networks, to prevent, mitigate and manage outages during emergencies.

There are currently 56 sites across the Territory that have STAND capability, and additional sites will be incorporated within the next stage of installation.

There is one STAND site within this Locality which is located and managed by the following facility:

• Warruwi School

4.19. Local radio stations

The Locality has the following radio stations:

- 102.9FM ABC (Australian Broadcasting Corporation) Radio
- 106.1 FM TEEBA (Top End Aboriginal Bush Broadcasting Association) Radio

5. Prevention

5.1. Emergency risk assessments

The Warruwi LEC are 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 Territory Emergency Management Council (TEMC) have identified 30 hazards that may pose a risk across the NT, which have been allocated to designated Controlling Authorities and Hazard Management Authorities.

Many hazards require specific prevention and mitigation measures, an annual risk assessment (rated against the National Emergency Risk Assessment Guidelines) is undertaken by the LEC and determines which hazards pose a greater risk to the Locality.

The following hazards were identified as posing a medium to high risk to the Locality, with further advice provided within **Annex C**:

- bushfire (within Fire Protection and Management Zones)
- flooding
- road crash
- tropical cyclone

Hazard	Overall Consequence	Overall Likelihood	Risk Rating
Bushfire (within Fire Protection and Management Zones)	Minor	Likely	Medium
Flooding	Minor	Likely	Medium
Road crash	Moderate	Unlikely	Medium
Tropical cyclone	Moderate	Likely	High

The remaining hazards were identified as posing a low to very low risk to the Locality, and any queries regarding the response to these hazards should be directed through the Local Controller:

Hazard	Overall consequence	Overall likelihood	Risk rating
Air crash	Minor	Rare	Low
Coastal marine incident	Minor	Unlikely	Low
Cyber attack (NTG enterprise ICT environment only)	Insignificant	Rare	Very Low
Dam safety	Not Applicable	Not Applicable	
Earthquake	Minor	Very Rare	Very Low
Emergency animal disease	Minor	Very Rare	Very Low
Emergency aquatic animal disease	Minor	Very Rare	Very Low

Hazard	Overall consequence	Overall likelihood	Risk rating
Emergency marine pest	Minor	Very Rare	Very Low
Emergency plant pest or disease	Minor	Very Rare	Very Low
Fire (within Gazetted Area)	Not Applicable	Not Applicable	
Hazardous Material	Moderate	Very Rare	Low
Heatwave	Minor	Unlikely	Low
Human disease	Moderate	Very Rare	Low
Invasive animal biosecurity	Minor	Very Rare	Very Low
Invasive plant biosecurity	Minor	Very Rare	Very Low
Major power outage	Insignificant	Unlikely	Low
Marine oil spill (inside the port)	Not Applicable	Not Applicable	
Marine oil spill (outside the port)	Minor	Rare	Low
Rail crash	Not Applicable	Not Applicable	
Space weather	Insignificant	Very Rare	Very Low
Storm and water damage	Minor	Unlikely	Low
Storm surge	Minor	Rare	Low
Structural collapse	Minor	Very Rare	Very Low
Terrorism	Minor	Extremely Rare	Very Low
Tsunami	Moderate	Very Rare	Low
Water contamination (potable)	Minor	Very Rare	Very Low

5.3. Hazard specific prevention and mitigation strategies

Prevention and mitigation relates to measures to 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 hazards identified in emergency risk planning and their interaction with all aspects of society.

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

NT emergency plans⁴ 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 Regional Controller is responsible for the annual review of operations and the effectiveness of the Local Emergency Plan, supported by the LEC and the NTES Planning and Preparedness Command.

6.2. Emergency resources and contacts

The Local Controller is responsible for maintaining the emergency resource register and LEC contact lists. 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 lists 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. For further information contact the NTES Learning and Development Command via email at Training.EMTU@pfes.nt.gov.au.

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 but are not limited to within the area:

- NT Fire and Rescue Service (NTFRS) Smart Sparx Program
- NTES Hazard Briefings
- NTES Paddy Program
- Australian Red Cross Pillowcase Program

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

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 arrangements with the plan have not been enacted since the last review, or substantial changes have occurred, including:

- legislative changes
- 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. The Local Controller can request an exercise by emailing the request through to EmergencyManagementPlanning@pfes.nt.gov.au.

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 resources of the community are depleted a number of arrangements are in place to seek 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) has appointed a Local Emergency Controller (Local Controller). The Local Controller for the Locality is the Officer In Charge of the Maningrida Police Station, when officers are not on location. 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 Warruwi Local Emergency Committee (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 Control Centre

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

LCCs are established as required by the Local Controller 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 Emergency Operations Centre (EOC) where applicable
- dissemination of information to the media and general.

The LCC for this Locality is the Warruwi Police Station. The Regional EOC is located in Darwin at the Peter McAulay 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 incident management system used throughout the NT for emergency management activities. The system is owned and maintained by the NTPF and NTFES. 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 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 and are designed to ensure a graduated response to hazardous events, 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
- Northern Regional Controller
- NTES Territory Duty Officer (TDO)

7.9. Official warnings and general public information

The Locality will receive official warnings and general public information 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, NTPF, NTFES and controlling authorities.

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
- Chief Officer, 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
- Chief Officer, 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)⁵ 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 TEMC. 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, DET.

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 TEMC. 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 TEMC.

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.

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

7.13. Emergency shelters or strong buildings

Emergency shelters and places of refuge are buildings or structures 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:

Shelter(s)	People capacity
WARC (evacuation staging only)	360
Warruwi School	200

The DET, in conjunction with NTPF and other 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 cyclone shelters, in particular the NTPF.

Emergency shelters are opened under the direction of the Territory or Regional Controller in consultation with the Shelter Group (DET). 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. It is up to the discretion of the local individual shelter manager to determine if food will be provided.

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.

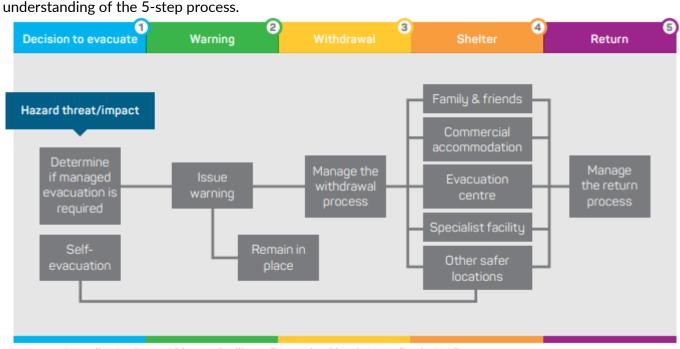
Evacuation of the Locality will be considered as a last resort. Where an evacuation is required the TEMC, in consultation with the Regional Controller, Local Controller and the LEC, will arrange emergency accommodation and transport, as necessary, through the relevant functional group/s.

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



Source: Australian Institute of Disaster Resilience 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:

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

An evacuation centre implies the provision of these services 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

The 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.Reunite⁶.

This system can be activated by either the Territory or Regional Controller without the national system being activated, in consultation with the NTPF and 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

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

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 NTPF, is responsible for coordinating rapid impact assessments. At the local level, local controllers or an Incident Controller if appointed, can activate the Survey, Rescue and Impact Assessment Group lead to discuss impact assessments if deemed appropriate.

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.

In the NT, the Department of the Chief Minister and Cabinet (CM&C) lead recovery coordination.

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 responsible agency for Recovery is the CM&C.

The Local Recovery Coordinator will be an employee of the Top End Region's CM&C office and 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 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 a 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:

- Aboriginal Land Rights (Northern Territory) Act 1976 (Cth)
- Building Act 1993
- Building Regulations 1993
- Emergency Management Act 2013
- National Disaster Risk Assessment Guidelines
- National Disaster Risk Reduction Framework
- Northern Regional Emergency Plan
- Northern Territory Aboriginal Sacred Sites Act 1989
- Rapid Assessment Team Guidelines
- Territory Emergency Plan
- 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
Animal Welfare	Mardbalk Rangers
Critical Goods and Services	Department of Trade, Business, and Asian Relations (DTBAR)
Digital and Telecommunications	Department of Corporate and Digital Development (DCDD)
Emergency Shelter	Warruwi School
Engineering	Department of Logistics and Infrastructure (DLI)
Industry	DTBAR
Medical	Red Lily Health Clinic
Public Health	Red Lily Health Clinic
Public Information	CM&C
Public Utilities	PAWC
Survey, Rescue and Impact Assessment	NTPF
Transport	DLI
Welfare	Department of Children and Families (DCF)

Full details on functional group 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	Mardbalk Rangers/Department of Agriculture and Fisheries (DAF)
Anti-looting protection	NTPF
Banking Services	Ajurumu Store/TCU
Broadcasting: what radio stations provide announcements?	CM&C/ABC Local Radio
Clearing of essential traffic routes	WARC/DLI
Clearing storm water drains	WARC
Clothing and Household Items	DCF/Ajurumu Store
Community Clean Up	WARC
Control, coordination and management	Designated control authority
Coordination to evacuate public	NTPF
Critical goods and services (protect/resupply) • Food • Bottle Gas • Camping Equipment • Building supplies	DTBAR/Ajurumu Store
Damaged public buildings: coordination and inspections	WARC
Disaster Victim Identification capability	NTPF/Warruwi Health Centre
Emergency alert	NTPF/NTFES
Emergency food distribution	DCF
EOC, including WebEOC,	NTPF/NTFES
Emergency shelter. Staff, operations and control	DET/NTPF
Evacuation centre - Staffing, operations and control	DCF

Functions	Agency/organisation/provider responsible
Financial relief/assistance	CM&C
Identification of suitable buildings for shelters	LEC/WARC
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	Red Lily Health Centre
Network communications (IT): Responders/public maintenance and restoration of emergency communication	Telstra/DCDD
Power: Protection and restoration:	PAWC
Public messaging during response and recovery.	Hazard management authority/CM&C
 Public/Environmental Health (EH) management all EH functions including water & food safety disease control 	DOH
Rapid Impact Assessment	NTPF
Recovery Coordination	CM&C
Repatriation	As per local arrangements/DCF
Restoration of public buildings	DLI
Restoration of roads and bridges (council/territory) excluding railways	DLI/WARC
Road management and traffic control including public Information on road closures	NTPF/WARC/DLI
Sewerage: Protection and restoration	PAWC
Survey	NTPF
Traffic control	NTPF/WARC/DLI
Transport: Commercial and public airport/planes, automobiles, ferries, buses	DLI

Functions	Agency/organisation/provider responsible
Vulnerable groups	DCF
Waste management • collection • disposal of stock	WARC
Water (including drinking water): Protection and restoration	PAWC

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

11.3.1. Cyclone

	Hazard	Controlling Authority	Hazard Management Authority
Ó	Cyclone	NT Police Force	NT Fire and Emergency Services (NT Emergency Service)

A tropical cyclone⁷ hazard includes a cyclone threat to the township, housing and infrastructure of the Locality including the surrounding areas. During the cyclone season, November to April, the Bureau keeps a 24-hour watch on developing tropical weather systems. The Bureau will issue a Tropical Cyclone Advice whenever a tropical cyclone is likely to cause winds in excess of 62 km/h (gale force) over Australian communities within the next 48 hours.

The northern region coast is affected by an average of 2 – 3 tropical cyclones annually, cyclones can seriously affect the social, built, natural and economic environments of communities impacted.

Category	Max Mean Wind (km/h)	Typical Strongest Gust (km/h)	Transport Effects
1	63 - 88	< 125	Negligible house damage. Damage to some crops, trees and caravans. Craft may drag moorings
2	89 - 117	125 - 164	Minor house damage. Significant damage to signs, trees and caravans. Heavy damage to some crops. Risk of power failure. Small craft may break moorings.
3	118 - 159	165 - 224	Some roof and structural damage. Some caravans destroyed. Power failures likely. (e.g. Winifred)
4	160 - 199	225 - 279	Significant roofing loss and structural damage. Many caravans destroyed and blown away. Dangerous airborne debris. Widespread power failures. (e.g. Tracy, Olivia)
5	>200	> 279	Extremely dangerous with widespread destruction. (e.g. Vance)

Table - Tropical cyclone categories

Note: Corresponding approximate wind gusts and central pressure are also provided as a guide.

Stronger gusts may be observed over hilltops, in gullies and around structures.

As the Hazard Management Authority, the NTES have established, equipped and trained volunteer units, to support response and recovery operations to tropical cyclones.

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

⁷ More information can be found at: <u>http://www.bom.gov.au/cyclone/tropical-cyclone-knowledge-centre/understanding/tc-info/</u>

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

- implementation of cyclone preparation initiatives and council clean ups
- radio, television and social media posts

Public safety message process:

- the Bureau issue a cyclone advice to NTES TDO
- NTES TDO issues Australian Warning System to the NTPF and NTFES Media Unit
- NTES TDO notifies Local Controller and NTES Manager Northern Command
- Local Controller notifies LEC
- NTES Manager Northern Command consults with the Bureau, Regional Controller, NTES Chief Officer and Incident Controller to determine recommended messaging
- NTPF and NTFES Media Unit or Public Information Officer receives approved messaging to publish.

The response to a cyclone event is staged and dependant on timings of the Watch and Warnings issued by the Bureau and the projected impact on the communities. The following table provides a guide to typical actions for members of the LEC upon receipt of notifications from the Bureau. The table also notes the need for LEC members to contribute to the recovery process post the impact of the cyclone.

Warnings and advice approval flow

The Australian Warning System is a national approach to information and warnings during emergencies like storm, flood and cyclone. The system uses a nationally consistent set of icons that are found 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.

On advice from the Bureau's weather warnings, the NTES determine the Australian Warning System level.

The NTES TDO is responsible for issuing Australian Warning System warnings and advice prior to an Incident Controller is appointed.

Actions to be taken – Cyclone⁸ - guide only

Organisation/	Watch	Warning	g (onset of Gale Force	e Winds)	Reduced risk	Transition to recovery
Provider	48 hours	24 + hours	6 + hours	3 + hours		
All members	Attend briefings Inform key stakeholders Provide SITREPs Assist the Local Controller as required Ensure final preparations are undertaken prior to Warning	Attend briefings Inform key personnel Assist the Local Controller as required	Attend briefings Assist the Local Controller as required Inform key personnel	Assist the Local Controller as required Take and remain in shelter	Remain in shelter until directed by Local Controller Assist the Local Controller as required	Attend briefings Inform key personnel Assist the Local Controller as required
Local Controller	Convene meeting of the LEC Ensure LEC members and community have activated their cyclone plan Co-ordinate the dissemination of the cyclone watch information to the relevant local community Communications established and maintained with Regional Controller, and NTES TDO and advise state of preparedness	Convene meeting of the LEC Ensure that the dissemination of the cyclone warning information to the public is maintained Advise Regional Controller of state of preparedness and ascertain SITREPs requirement Activate EOC if required	Update LEC and allocate tasks as required Ensure that the dissemination of the cyclone warning information to the public is maintained At the appropriate time, advise persons at risk to move to a shelter NTPF presence will be required at	Take and remain in shelter	When it is declared safe to move outside, ascertain the extent of injury to persons and damage to property Give directions to survey teams advising community of reduced risk Provide SITREPs to Regional Controller and Incident Controller	Provide SITREPs to Regional Controller and Incident Controller Prepare for transition to recovery Begin compilation of information for Post Operation Report

⁸ Action stages as per Tropical Cyclone advice and warnings issued by the Bureau of Meteorology

Organisation/	Watch	Warning	g (onset of Gale Force	e Winds)	Reduced risk	Transition to recovery
Provider	48 hours	24 + hours	6 + hours	3 + hours		
	Participate in REC meetings as required		the designated shelter/s		Prepare for transition to recovery	
NTPF	 Brief police members Disseminate warnings and information as required Maintain normal police duties Assist Local Controller as required Ensure all operational vehicles are fully fuelled 	Brief police members Assist with the preparation of the EOC Disseminate cyclone warning information as directed by the Local Controller and advise information received	Brief police members Disseminate cyclone information as directed by the Local Controller and advise him of information received Limit transport and ensure all emergency vehicles are fully operational Co-ordinate the movement of personnel to shelter Commence final patrol of area Ensure all personnel take shelter	Take and remain in shelter	When advised by Local Controller move outside ascertain the extent of injury to persons and damage to property and report with damage assessments Assist Local Controller with prioritising response operations	Assist in the preparation of the final SITREPs Ensure that all NTPF equipment used in the operation is accounted for, maintained and restored Inform key personnel
PAWC - Essential services	Attend emergency management meetings and perform actions as required	Monitor	Monitor	Take and remain in shelter	At the direction of the Local Controller, commence survey	Assist the Local Recovery Coordinator as required

Organisation/ Provider	Watch	Warnin	g (onset of Gale Ford	e Winds)	Reduced risk	Transition to recovery
	48 hours	24 + hours	6 + hours	3 + hours	-	
					Advise Local Controller of damage and what essential services are still in operation	
Medical	Participate in pre- cyclone clean-up Test satellite phone Have cyclone kit available Fill vehicles with fuel Maintain normal duties	Medical staff to have access to health vehicles Check and take population list Staff to personal residence Maintain normal duties	Do final checks Ensure all personnel take shelter	Take and remain in shelter	Ensure all personnel to remain in shelter At direction of Local Controller, check the health clinic premises for damage Prepare and open clinic When the airstrip is clear, organise medical evacuations as needed	Advise Local Recovery Coordinator of any urgent priorities and participate in meetings as required

11.3.2. Fire

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.

In the NT, managing bushfire and vegetation on private properties is the responsibility of the landowner.

Landholder responsibility to control fire

The landholder or occupier of land must take all reasonable steps to protect property on the land from fire and inhibit the fire from spreading.

If a landholder or occupier is unable to control a fire and prevent it from spreading to other land, they must:

- notify fire control officer or fire warden and all neighbouring property holders
- call <u>000</u> in an emergency.

Under section 90(3) of the *Bushfires Management* Act the landholder or occupier commits an offence if the fire has the potential to spread to other land and they fail to take reasonable steps to control the fire and to notify all parties.

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 Warruwi, fire events are responded to by the Mardbalk Rangers initially with assistance from WARC. A fire trailer is available for WARC to utilise.

In areas where there is no gazetted fire protection zone, if the owner or occupier of land is unable to control fire on the land, the owner or occupier must notify BFNT of this fact. When fires are reported to 000, the Joint Emergency Services Call Centre, the (JESCC) will contact BFNT to triage the report. In these areas, firefighting response from BFNT is not guaranteed as there is no established volunteer firefighting resource. BFNT may assist the owner or occupier of the land through the coordination of information and advice to assist the owner or occupier to control the fire. This may include liaison with affected neighbouring owners or occupiers for resource support, provision of fire weather information or the issuing of public information. In some circumstances, BFNT may deploy firefighting resources from larger regional centres to assist the owner or occupier to control the fire. BFNT have a rostered NT Duty Officer (NTDO) to provide 24/7 incident triage coverage who can be contacted through the JESCC.

Actions to be taken

As described above, in areas where there is no fire protection and management zones (BFNT) or emergency response area (NTFRS), fire is the responsibility of the land owner or occupier. Where an owner or occupier has contacted BFNT that they are unable to control fire on the land, BFNT may contact the Local Controller to discuss local response arrangements and coordination of resources. 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 Emergency Response Areas (ERA) and BFNT Fire
 Protection and Management Zones (FPMZ). Permits to burn are required throughout the entire
 year inside an ERA or FPMZ 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 FPMZ.
- the Bushfires NT Regional Fire Management Plan
- establishment of an IMT with liaison officers from other agencies to assist
- radio, television and social media posts.

Warning and advice approval flow (bushfire only):

The Australian Warning System is a 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).

11.3.3. Flooding

Hazard	Controlling Authority	Hazard Management Authority
Flooding	NT Police Force	NT Fire and Emergency Services (NT Emergency Service)

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. When such isolation occurs, access by road will be restricted. 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, preseason planning by the LEC is critical to ensure there will be limited disruptions to critical goods and services.

A flood hazard for Warruwi relates mostly to possible isolation rather than inundation. Based on past flooding events, housing and infrastructure of the Locality will not be unduly affected. Moreover, access to some locations on the island will be impeded until water levels recede.

The Bureau will issue a Flood Watch advice with up to 4 days lead time in situations where forecast rainfall and catchment conditions may lead to flooding. Although some warning may be possible due to computation of data collected from the Bureau, a flood event may occur with little warning.

Whilst there are no gauging stations for the Locality, the following table provides guidance for riverine flooding on NT communities.

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.	

The indicative impact of flood levels are provided in the table below:

As the hazard management authority the NTES have established, equipped and trained volunteer units within the NT, to support response and recovery operations to flood events.

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

- ensure food stocks are maintained at community store(s)
- ensure fuel supplies are adequate for such an event
- ensure power house fuel supplies are adequate

Public safety message process:

- the Bureau issues a flood advice to NTES TDO
- NTES TDO issues Australian Warning System to the NTPF and NTFES Media Unit
- NTES TDO notifies Local Controller and NTES Manager Northern Command
- Local Controller notifies LEC
- NTES Manager Northern Command consults with the Bureau and Incident Controller (if appointed) to determine recommended messaging
- NTPF and NTFES Media Unit or Public Information Officer receives approved messaging to publish.

Warnings and advice approval flow

The Australian Warning System is a national approach to information and warnings during emergencies like storm, flood and cyclone. The system uses a nationally consistent set of icons that are found below.

There are 3 warning levels:

		Warning level	Description	
	Ā	Advice (Yellow)	An incident has started. There is no immediate danger. Stay up to date in case the situation changes	
	Ā	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	
	(Red) You may be in danger and need to take actio		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.

On advice from the Bureau's weather warnings, the NTES determine the Australian Warning System level.

The NTES TDO is responsible for issuing Australian Warning System warnings and advice prior to an Incident Controller is appointed.

Actions to be taken – Flooding – guide only⁹

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 Activate Local Emergency Plan	SITREP is to be circulated to committee members and key stakeholders Ensure all necessary procedures have been updated

⁹ Action stages as per Flood products issued by the Bureau of Meteorology

11.3.4. Road crash

Hazard	Controlling Authority	Hazard Management Authority
Road Crash	NT Police Force	NT Fire and Emergency Services (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.

While there is a Road Crash Rescue trailer at Warruwi, the WARC would seek assistance from NTES for such events. However, as the NTES Volunteer Unit is currently non-operational, there is no capacity to respond.

Responses to road crash incidents will be coordinated from the JESCC. NTFRS will respond as per predetermined response arrangements contained within the SerPro 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 NTES and NTFRS to NTPF/NTFES members.

Public safety message process:

• NTPF Territory Duty Superintendent to approve public messaging and forward to NTPF and NTFES Media Unit for dissemination.

11.4. Annex D: Evacuation guideline

The following is to be used as a **guide** only.

Authority The Regional Controller will authorise the activation of the evacuation plan. Regional Controller in conjunction with Tise vacuation plan is to be approved by the TEMC prior to activation. 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. Local Controller to arrange Alternative to evacuation? If needed residents will be progressively relocated within the community to <location be="" determined="" to="">. Local Controller to arrange Summary of proposed evacuation on-site/nearby. Decision - made by the Regional Controller when the community have sustained damage during to the community. The Local Controller to disseminate information to the community. The decision will be informed by advice a state of the evacuation to be determined>: community to the controller to disseminate information to the color to be determined>: community to the clocation to be determined>: community to be registered for evacuation to clocation to be determined>: community to be registered for evacuation to clocation to be determined>: assembly area using buses/vehicles Australian Red Cross to register check utilising Register Find Reunite. Shelter - evacuees will be encouraged to stay with friends or family. The remainder will be accommodated at an evacuation centre <location be="" determined="" to="">: coation to be determined>. Australian Red Cross to register check utilising Register Find Reunite.</location></location>	Stage 1 - Decision			
recommended that the Minister declares an Emergency Situation under section 18 of the Act, when this evacuation plan is activated.Local Controller to arrangeAlternative to evacuation? i.e. shelter in place, temporary accommodation on-site/nearby.If needed residents will be progressively relocated within the community to <location be<br="" to=""></location> determined>.Local Controller to arrangeSummary of proposed evacuationDecision - made by the Regional Controller when the community have sustained damage during <to </to be determined> that cannot support residents in situ during recovery. The Local Controller to disseminate information to the community.The decision will be informed by additional advice from technical experts, e.g. the Bureau.Withdrawal - 3 stage process: 1. <location be="" determined="" to="">; community to the <location be="" determined="" to="">; community to the <location solocation="" to="" to<br=""></location>be determined>2. once registered, groups to move to the airstrip assembly area using buses/vehiclesShelter - evacues will be encouraged to stay with friends or family. The remainder will be accommodated at an evacuation centre <location </location to be determined>.Which<out and="" homelands="" homesteads="" stations,=""></out></location></location>	Authority	activation of the evacuation plan. This evacuation plan is to be approved by the	in conjunction with	
i.e. shelter in place, temporary accommodation on-site/nearby. within the community to <location be="" determined="" to="">. arrange Summary of proposed evacuation Decision - made by the Regional Controller when the community have sustained damage during <to be="" determined=""> that cannot support residents in situ during recovery. The decision will be informed by additional advice from technical experts, e.g. the Bureau. Withdrawal - 3 stage process: 1. <location be="" determined="" to="">; community to the <location be="" determined="" to="">; to be registered for evacuation to <location be="" determined="" to=""> Bureau. 2. once registered, groups to move to the airstrip assembly area using buses/vehicles 3. Australian Red Cross to register check utilising Register Find Reunite. Shelter - evacuees will be encouraged to stay with friends or family. The remainder will be accommodated at an evacuation centre <location be="" determined="" to="">. Which <out and="" homelands="" homesteads="" stations,=""></out></location></location></location></location></to></location>	Legal references	recommended that the Minister declares an Emergency Situation under section 18 of the Act,		
evacuationthe community have sustained damage during <to </to be determined> that cannot support residents in situ during recovery. The Local Controller to disseminate information to the community.informed by additional advice from technical experts, e.g. the 	i.e. shelter in place, temporary accommodation	within the community to <location be<="" th="" to=""><th></th></location>		
geographical area does the	evacuation	 the community have sustained damage during <to be determined> that cannot support residents in situ during recovery.</to The Local Controller to disseminate information to the community. Withdrawal - 3 stage process: <location be="" determined="" to="">; community to the <location be="" determined="" to="">; to be registered for evacuation to <location to<br="">be determined></location></location></location> once registered, groups to move to the airstrip assembly area using buses/vehicles Australian Red Cross to register check utilising Register Find Reunite. Shelter - evacuees will be encouraged to stay with friends or family. The remainder will be accommodated at an evacuation centre <location to be determined></location Return - to be determined once recovery can sustain return to <location be="" determined="" to="">.</location> 	informed by additional advice from technical experts, e.g. the	

Vulnerable groups within the community	The Medical Group will liaise with local health staff and provide information on medically vulnerable people.	Medical Group and Transport Group to action.
	The identified people will be evacuated <at a="" be="" determined="" time="" to="">.</at>	
Community demographics (approx. total number, family groups, cultural groups etc.)	For more information, refer to the Evacuation Centre Field Guide (page 20 section 4.3) which can be found in WebEOC.	
gioups etc.,	Examine the demographic breakdown of the community to be evacuated including:	
	 the total number of people being evacuated 	
	• an estimate of the number of people likely to require accommodation in the evacuation centre	
	• 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	
	 a summary of cultural considerations, family groups, skin groups and community groups 	
	 potential issues that may arise as a result of these groups being accommodated in close proximity to one another 	
	 a summary of people with health issues, including chronic diseases, illnesses and injuries. 	
	 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) 	
	 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. 	
What is the nature of the hazard?	<to be="" determined=""></to>	
Estimated duration of the potential evacuation?	<to be="" determined=""></to>	

Triggers for the evacuation	Example	Regional Controller
	 evacuation planning to commence when the Locality is under a <to be="" determined=""></to> implement evacuation if the severity and impact has caused major damage and disruption to all services 	
	 elderly and vulnerable people are to be considered for evacuation due to limited health services. 	
	Further details of the intra-community relocation plan are required.	
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	
Coordination Stage 1	Local Controller	
	Stage 2 – Warning	
Who has the authority to issue warnings?	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.	Regional Controller to liaise with Public Information Group and NTES
	The Local Controller will coordinate the dissemination of community level information.	
	A combination of the following will be utilised:	
	 broadcasted over radio and television 	
	 social media utilising the NTPF and NTFES Facebook page SecureNT 	
	loud hailer	
	door to door	
	Emergency Alert System.	
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)? What information will the messages contain? (What do people need to know?)	Immediately upon a decision to evacuate being made the LEC will commence coordinating residents to prepare for transport. To be determined: • outline of the proposed evacuation plan • measure to prepare residences • safety issues; not overloading transport • items to bring on the evacuation • arrangements for pets and animals.	Local Controller Local Controller Animal Welfare Group
Responsibility for the coordination of Stage 2	Local Controller/Regional Controller	
	Stage 3 - Withdrawal	
Outline	3 stage process:	
	1. community residents to <staging 1="" area=""></staging>	
	2. <staging 1="" area=""> to airport</staging>	
	 airport to <location be="" determined="" to=""> evacuation centre</location> 	
<location> community to the airstrip</location>	Lead • NTPF	NTPF
	Overview	
	• the community will gather at the <location to be determined > prior to being transported by community buses to the airstrip.</location 	
	Risks/other considerations	
	 evacuation should be undertaken during daylight hours, if possible. 	
	 risks include inclement weather, persons with infectious diseases, vulnerable persons, and frail/elderly persons, chronically ill 	
	 estimated time en-route: minutes each way 	
	 estimated timeframe overall: hours utilising current resources. 	
	alternate transport options.	

Assembly area	Likely location of evacuation centre: <to be="" determined="">.</to>	NTPF/DCF
	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.	
	Services to be provided	
	 Red Cross Coordinator: Australian Red Cross 	
	Other details	
	Evacuee registration. Residents will need to register at <location be="" determined="" to=""> or airport if (self-evacuating) to be permitted access to the evacuation centre at the <location be<br="" to="">determined>.</location></location>	
<location> community to</location>	Lead - NTPF	NTPF/Transport/
<location be<="" th="" to=""><th>Example Lead - Transport Group</th><th>Logistics</th></location>	Example Lead - Transport Group	Logistics
determined>		
	Overview	
	 Transport Group has identified commercial operators and the Police Air Section able to provide evacuation assistance. 	
	 Transport Group has identified commercial operators and the Police Air Section able to provide evacuation 	
	 Transport Group has identified commercial operators and the Police Air Section able to provide evacuation assistance. Total proposed air assets: Commercial operators will be charging commercial rates for their services at a 	

<location> airport to</location>	Lead - Transport Group	Transport Group
evacuation centre <to be<="" th=""><th>Example</th><th></th></to>	Example	
determined>	Overview	
	 Buses will be on standby at <location to<br="">be determined> airport fromam to receive passengers and continue throughout the day transferring to <to be<br="">determined> only, as required.</to></location> 	
	 Transport staff will be on the ground at <location be="" determined="" to=""> airport to marshal passengers on buses only.</location> 	
	 Buses to be arranged by the Transport Group. Evacuees will be collected from <location be="" determined="" to=""> airport and transported to the <location be<br="" to="">determined>.</location></location> 	
	A reception team provided by NTPF will meet evacuees and facilitate transport.	
	 details <to be="" determined=""></to> 	
	 estimated time en-route: minutes 	
	 estimated timeframe: possibly hours, dependant on aircraft arrivals 	
	 alternate transport options: 	
End point	<location be="" determined="" to=""></location>	IMT/Welfare Group
Transport of vulnerable members of the community	Medical Group to arrange transport of vulnerable people from the community to <location be="" determined="" to="">.</location>	Medical Group
Registration and tracking	 Welfare Group to activate registration arrangements. Registration will be undertaken by NTPF and will occur at <location be="" determined="" to="">.</location> Names of evacuees will be obtained prior to boarding buses. Where possible details of individuals and families self-evacuating to be obtained on arrival at the <location be="" determined="" to=""> airstrip.</location> If persons are not registered as evacuees or self-evacuees they will not be provided access to the evacuation shelter. 	Welfare Group/ NTPF

Coordination Stage 3	Regional Controller	IMT coordination
	Stage 4 – Shelter	
Overview	An evacuation centre will be established at the <location be="" determined="" to="">. The <location be="" determined="" to=""> will be the primary areas used.</location></location>	
Alternate shelter options	Where appropriate, noting cultural as well as financial consideration, including overcrowding, possible evacuees will be encouraged to seek alternative accommodation with family, friends or through commercial accommodation.	
Estimated duration of the shelter phase	<to be="" determined=""></to>	
Arrangements for domestic animals	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 Group
	Roles	
Director	DCF	Welfare Group
Deputy Director	DCF	Welfare Group
Logistics/planning	EOC	Controlling authority
Admin teams	EOC	Welfare Group
Shift manager/s	<to be="" determined=""> - drawn from pool of trained staff.</to>	Welfare Group
Welfare team	<to be="" determined=""></to>	Welfare Group
Facility team	<to be="" determined=""></to>	
Sport and Rec team	<to be="" determined=""></to>	
Medical team	<to be="" determined=""> It is likely St Johns volunteers will be requested. Evacuees will be referred to off-site medical services.</to>	Medical Group
Public health team	<to be="" determined=""></to>	Public Health Group
• Transport team	<to be="" determined=""></to>	Transport Group

Evacuation centre set-up	Refer to the evacuation centre template for set- up considerations.	
What strategy will be put in place to close the evacuation centre?	Closure of the evacuation centre will be largely dependent on the extent of inundation and complexity of the recovery process.	
	Stage 5 – Return	
Indicators or triggers that will enable a return	(Refer to Recovery action plan for the community) CM&C	
Who is responsible for developing a plan for the return?	Recovery coordination in conjunction with IMT.	
Transportation	<to be="" determined=""></to>	Transport Group
Route/assembly points en-route	<to be="" determined=""></to>	
End point	<to be="" determined=""></to>	
How will information about the return be communicated to evacuees?	<to be="" determined=""></to>	Public Information Group
What information needs to be conveyed to the evacuated community members?	<to be="" determined=""></to>	

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.

Response	Recovery Transition
Controlling Authority	CM&C

Act	ivity	Response activities	Recovery activities
1.	Situational awareness	Road clearance teams General public Media reports Survey and rescue teams Impact assessment teams	Contributes to recovery planning through impact assessment data Comprehensive Impact Assessments Needs Assessment
2.	Public Information	Public Information Group activation Spokespersons identified SecureNT activated	Continues in recovery
3.	Survey and Rescue	Survey teams deploy to designated areas Critical sites surveyed Deploy rescue teams – NTFRS and NTPF Specialist Response Division provide primary Urban Search and Rescue capability	Survey and Impact Assessment data used to contribute to the Recovery Action Plan
4.	Road clearance	Road patrol teams deploy and check assigned routes Road clearance to priority sites	Restoration of road networks and bridges Return to business as usual
5.	Emergency accommodation	Emergency accommodation and shelter - evacuation centres	Evacuation centres may continue into recovery Temporary accommodation options Repatriation planning

Response activities	Recovery activities
Provision of resources that will enable people to remain in their homes Emergency clothing	
Hospital Image: Hospital Image: Ima	 Ongoing provision of health services which may include business continuity plans engagement with stakeholders Repatriation of medically vulnerable people in community GP clinics and pharmacies ongoing liaison by the Medical Group Medical retrieval services – resume business as usual
Establish emergency feeding and food distribution points Assessing the damage to suppliers and retailers of critical resources Assess the impact on barge operations and any effect on the ability to supply remote communities Implement interim banking arrangements	Ensure enablers are in place to support the re-opening of essential services Monitor levels and availability of essential goods Manage logistics arrangements supplying resources to outlying communities Public health inspections (food outlets) Banking sector business continuity arrangements Monitor fuel levels Infrastructure repairs
	Provision of resources that will enable people to remain in their homes Emergency clothing Hospital - identify any issues with accessing facilities - initial impact assessment - access to critical supplies e.g. medicines, consumables, power or fuel and water - ongoing acute clinical care and critical services requirements - increase morgue capacity Health Centres - identify any issues with accessing facilities - Access to critical supplies e.g. medicines, consumables, power or fuel and water GP clinics and pharmacies - identify operational GP services - identify operational pharmacies Support Medically vulnerable people Medical retrieval services (air and road) Establish emergency feeding and food distribution points Assess the impact on barge operations and any effect on the ability to supply remote communities Implement interim banking arrangements

Act	ivity	Response activities	Recovery activities
		Manage fuel supplies to emergency power generation	Emergency fuel supplies for recovery Liaise with fuel suppliers, distributors and wholesalers to re-establish long term supply
		<u>Banking</u> Assess damage to banks and ATMs Implement temporary arrangements	Emergency cash outlets Implement long term arrangements
8.	Evacuation	Evacuations within community Evacuation out of community Registration	Support services for evacuees Recovery information for evacuees Repatriation
9.	Public health	Communicable disease control response Drinking water safety standards Sewage and waste disposal Safe food distribution and advice Vector and vermin control Food and commercial premises	Ongoing in recovery
10.	Utilities	Power supply Power generation Water supply Sewerage Emergency sanitation	Restore power network Restore water and sewerage infrastructure Issue alerts until safe to use
11.	Impact assessments	Training assessment teams Initial impact assessments	Comprehensive impact assessments Ongoing needs assessments
12.	Transport infrastructure (supply lines)	Air (airport/airstrip) Clear the runway to allow air movements Establish a logistics hub at the airport Terminal damage and operational capability assessment Road Highway and critical access roads damage assessment Repair work to commence immediately	Monitor repairs and business continuity activities Planning and prioritising repair work of all affected key roads for the Locality.
		Port, harbour and barge	Repairing infrastructure

Activ	vity	Response activities	Recovery activities
		Assess damage to port infrastructure and harbour facilities Assess the damage to barge facilities	Establish alternate arrangements for the supply of remote communities
13.	Waste management	Waste management requirements and develop waste management plan if required	Continues in recovery
	Repairs and reconstruction	 Private housing impact assessments temporary repairs Government buildings damage assessment Public housing impact assessments Private industry damage assessments 	Private housing - information and support to facilitate repairs Government buildings - repairs and reconstruction Public housing - long term repair plans Private industry - repair and reconstruction of enabling infrastructure - support DRFA payment facilitation where eligible Temporary accommodation for a visiting construction workforce if necessary or suitable accommodation is unavailable
15.	Transport services	Staged re-establishment of public transport services	Continues in recovery
16.	Telecommunication	Telstra will assess the damage to their infrastructure Put in place temporary measures to enable landline and mobile services	Repair damage networks and infrastructure (for private entities there is support for operators only)
17.	Public safety	NTPF will maintain normal policing services to the community	Gradual return to business as usual
18.	Animal welfare	Temporary emergency arrangements for pets	Reunite pets with their owners and cease emergency support arrangements
	Community consultation	Information provision regarding the overall situation, response efforts, what services are available and how to access them	Community consultation process regarding long term recovery and community development led by relevant departments

12. Acronyms

Acronyms	Definitions	
ААРА	Aboriginal Areas Protection Authority	
ABC	Australian Broadcasting Corporation	
AIIMS	Australasian Inter-Service Incident Management System	
BFNT	Bushfires NT	
CM&C	Department of the Chief Minister and Cabinet	
DAF	Department of Agriculture and Fisheries	
DCF	Department of Children and Families	
DCDD	Department of Corporate and Digital Development	
DHLGCD	Department of Housing, Local Government and Community Development	
DLI	Department of Logistics and Infrastructure	
DLPE	Department of Lands, Planning and Environment	
DTBAR	Department of Trade, Business, and Asian Relations	
DET	Department of Education and Training	
ООН	Department of Health	
DRFA	Disaster Recovery Funding Arrangements	
ЕН	Environmental Health	
EOC	Emergency Operations Centre	
ESO	Essential Services Operators	
FERG	Fire and Emergency Response Group	
FPMZ	Fire Protection and Management Zones	
ICC	Incident Control Centre	
ІСР	Incident Control Point	
JESCC	Joint Emergency Services Communications Centre	
LCC	Local Coordination Centre	

Acronyms	Definitions
LEC	Local Emergency Committee
LRCC	Local Recovery Coordination Committee
NERAG	National Emergency Risk Assessment Guidelines
NT	Northern Territory
NTES	Northern Territory Emergency Service
NTFES	Northern Territory Fire and Emergency Services
NTFRS	Northern Territory Fire and Rescue Service
NTG	Northern Territory Government
NTPF	Northern Territory Police Force
PAWC	Power and Water Corporation
RAT	Rapid Assessment Team
RCC	Rescue Coordination Centre
SEWS	Standard Emergency Warning Signal
SerPro	Serve and Protect
SITREP	Situation Report
STAND	Strengthening Telecommunications Against Natural Disasters
тссс	Territory Crisis Coordination Centre
TDO	Territory Duty Officer
ТЕМС	Territory Emergency Management Council
WebEOC	Web-Based Emergency Operations Centre