



**NUMBULWAR
LOCAL
EMERGENCY
PLAN
2021/22**



TERRITORY EMERGENCY MANAGEMENT COUNCIL

Authority

The Numbulwar Plan (the Plan) approved by the Territory Controller 2013 and in accordance with section 17 of the *Emergency Management Act 2013* (the Act) has been reviewed and endorsed by the Regional Emergency Controller, hereafter referred to as the Regional Controller, as the Territory Controller's delegate.

A handwritten signature in black ink, appearing to read 'M Dole'.

Regional Controller
Martin Dole

Dated this 2nd day of November 2021

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Version History

Document title	Numbulwar Local Emergency Plan
Contact details	Northern Territory Police, Fire and Emergency Services
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Version	Date	Author	Comments
1.0	24 th July 2021	Brian Hennessy	Updated format and review of content.
1.0	3 rd August 2021	Brian Hennessy	Track changes sent to LC Numbulwar to review.
1.0	2 nd November 2021	Martin Dole	Review of content and finalisation of plan.

Amendment List

Proposals for amendment to this plan are to be forward to:

Officer in Charge, Local Controller
Numbulwar Police Station
CMB 17, Numbulwar NT 0852

Amendments promulgated are to be certified below when entered:

Revision Date	Description	Local Controller
July 2018	General template changes	K Riley / NTES
Aug 2018	Administrative review and formatting – entirety –	A Heath / NTFRES
Nov 2020	Administrative review and formatting – entirety – amendment to shelters para. 102	J Richardson / NTPFES
Oct 2021	Administrative review	B Hennessy / NTPES
Nov 2021	Administrative review and general formatting changes	R McKinnon / NTPFES

Purpose

1. The purpose of this Plan is to describe the emergency management arrangements for Numbulwar District (the District) during 2021/22.

Application

2. This Plan applies to the Numbulwar District.

Related References

3. The following references apply:
 - *Emergency Management Act 2013*
 - Territory Emergency Plan 2021/22
 - Northern Region Emergency Plan 2021/22
 - National Disaster Risk Reduction Framework (NDRRF)
 - National Disaster Risk Assessment Guidelines (NERAG).

Plan

Key Considerations

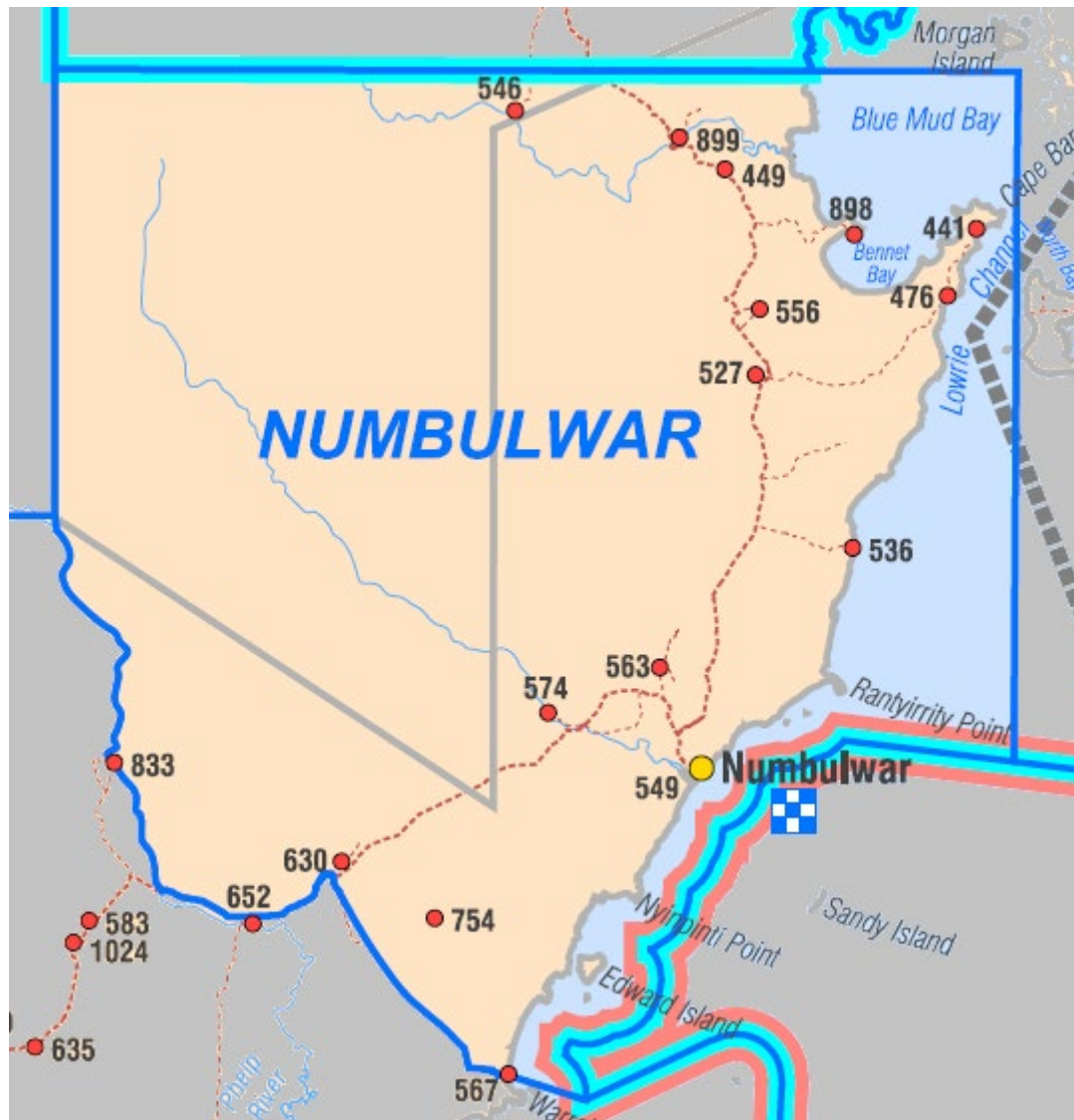
4. The *Emergency Management Act 2013* (the Act) is the legislative basis for emergency management across the Northern Territory (NT).
5. The Act reflects an all hazards approach to emergency and disaster events, natural or otherwise. It provides for the adoption of measures necessary for the protection of life and property from the effects of such events.
6. 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.
7. This Plan:
 - confirms appointment of a Local Emergency Controller and Local Recovery Coordinator
 - confirms establishment of the Local Emergency Committee (LEC) and Local Recovery Coordination Committee (LRCC)
 - assesses hazards most likely to affect the community
 - specifies control and coordination arrangements for mobilisation of local and, if necessary regional, Territory and national resources
 - identifies roles and responsibilities of key stakeholders

- details specific emergency response procedures for the higher risk situations.

8. This Plan complements the Territory Emergency Plan as it relates to the District. For further information on the hierarchy of plans, refer **Annex A**.

Locality Context

9. The District covers approximately 45,000 square kilometres and is located approximately 500 kilometres south east of Katherine, forming part of the Northern Region (Region 1) as defined by the Territory Emergency Plan.
10. The District population fluctuates but to a maximum of approximately 1,000 persons, with the main population centre being the town of Numbulwar.



Climate and Weather

11. The District experiences similar weather conditions to those which occur throughout the Top End of the NT. That is, there is a distinct 'Wet' (November to May) and 'Dry' (June to October) season.
12. Compared to Darwin, temperatures tend to be slightly higher during the Wet and slightly lower during the Dry. The District's average annual rainfall is approximately 1,700 millimetres.

Geography

13. The District ranges from relatively flat black soil plains to hilly outcrops which rise to 190 metres and lead into the Arnhem Land escarpment.
14. The District is drained by a number of rivers and creeks. Of note, these are:
 - Roper River
 - Towns River
 - Hells Gate Creek
 - Wilton River
 - Cox River
 - Hodgson River
 - Limmen River
 - Phelps River (Can cause flooding to the Roper Highway)
 - Rose River
15. The District's main river is the Rose River. The town of Numbulwar is located at the mouth of this river, which drains into the Gulf of Carpentaria.

Sites of Conservation or Cultural Significance

16. Blue Mud Bay and associated coastal floodplains are a site of conservation significance in the district.
17. Further information about this site can be found [here](#).

Tourism

18. Tourism is a major economic contributor to the district, particularly throughout the months of May to October.

Public Administration

NT and Local Government

19. NT Government agencies that have a presence in the District include:
- NT Police, Fire and Emergency Services (NTPFES)
 - NT Police Force (NTPF) (Police Station)
 - NTES (Volunteer Unit)
 - Department of Health
 - Numbulwar Primary Health Centre
 - Department of Education
 - Numbulwar School.
20. Local government in the district is provided by the Roper Gulf Regional Council (RGRC). While council headquarters is located in Katherine, there is a Service Delivery Centre located in the district.

Infrastructure

Building Codes

21. Buildings and construction in the District are subject to the [Building Act \(NT\)](#), [NT Building Regulations](#) and the [Building Code Australia](#).

Land Use

22. Land use in the district is determined in consultation between RGRC, Traditional Owners and the Department of Infrastructure, Planning and Logistics (DIPL) including, but not limited to:
- sewage ponds
 - air strip
 - waste disposal
 - barge landing.

Power Generation and Distribution

23. The District is serviced by a stand-alone, diesel power station. The infrastructure surrounding this is currently being upgraded (Dec 2017).

Water Services

24. The District's primary water source is ground water.

Health Infrastructure

25. The Numbulwar Primary Health Centre has the capacity to provide to emergency medical aid in addition to routine health treatment.
26. A Locum Doctor attends the centre 3 times a week when availability allows.
27. Serious medical cases are required to be medically evacuated to Darwin or Nhulunbuy.

Emergency Service Infrastructure

28. The district has the following emergency service infrastructure:
 - Police Station and cells
 - NTES Volunteer Unit
 - Numbulwar Primary Health Centre.

Roads

29. The Roper Highway is the major road for the district, joining the Stuart Highway seven kilometres south of Mataranka.
30. The Roper Highway is sealed for approximately 148 kilometres and unsealed for 70 kilometres to Ngukurr. It travels 156 kilometres north-east to the district on the coast.
31. During the Wet season, all roads may be subject to inundation at various creek/river crossings and low lying areas.

Airports

32. The table below lists the airstrips in Numbulwar:

Name of the Strip	Datum	Details (type, length, etc.)	Operator of the strip
Numbulwar	14°16'26.48"S 135°43'5.11E	Sealed 1300 metres X 33 metres	RGRC

Ports (Barge Landings)

33. The District has a barge landing located at the RGRC Workshop, near the mouth of the Rose River.

Telecommunication

34. Telecommunications are available across the Numbulwar town area via a combination of landline, mobile and satellite communications delivery.

Local Radio Stations

35. The District has the following radio stations:
- 106.1FM ARC Radio
 - 104.5FM ABC Radio.
36. All warnings will be broadcast over 106.1FM station. Numbulwar community also has a loudspeaker to broadcast warnings.

Vulnerable Clients

37. A list of all vulnerable medical patients is held with the manager of the Numbulwar Primary Health Centre.
38. Aged care in the district is provided by the Remote Area Health Corps at the Numbulwar Aged Care and Respite Centre. The centre maintains records of all clients and their specific medical requirements.

Preparation

Disaster Hazard Analysis and Risk Register

39. The LEC has identified the following hazards for the district which require a detailed operational response procedure:
- transport incident (road, marine and aircraft)
 - hazardous material incident
 - cyclone.
40. These hazards have been rated against the National Disaster Risk Assessment Guidelines (NERAG):

Hazard	Overall Consequence	Overall Likelihood	Risk Rating
Transport Incident Road	Minor	Likely	Medium
Hazardous Material Incident (HAZMAT)	Minor	Likely	Medium
Cyclone Category 1 & 2	Minor	Likely	Medium
Cyclone Category 3	Major	Possible	High
Cyclone Category 4	Major	Possible	High
Cyclone Category 5	Catastrophic	Possible	High

Transport Incident (Road, Marine and Aircraft)

41. Transport incidents refer to motor vehicle, marine and aircraft accidents.
42. These incidents are of an impact nature with little or no lead time. With the exception of maintaining infrastructure, no mitigation can be put in place.

43. Numbulwar Police and NTES Volunteer Unit maintain a road crash rescue capability to provide first response to any major incident.
44. Procedures surrounding aircraft incidents have been developed by the Australian Transport and Safety Bureau and can found [here](#).

Hazardous Material Incident (HAZMAT)

45. Large quantities of hazardous materials are transported daily by road to many centres throughout the NT. Consequently, any release or spillage has the potential to result in the loss of life, widespread disruption, danger to the community and a threat to the environment.
46. HAZMAT incidents encompass a wide variety of potential situations including fire, spills, explosions and chemical reactions. They may include toxicity, flammability, radiological hazards, corrosive and explosives and as such, can threaten the health and safety of attending authorities and members of the public.
47. HAZMAT incidents will generally involve a transport incident which is of an impact nature with little or no lead time. With the exception of maintaining infrastructure, minimal mitigation can be put in place.

Tropical Cyclone

48. Tropical cyclones are low-pressure systems that form over warm tropical waters and have gale force winds (sustained winds of 63 kilometres per hour or greater, and gusts in excess of 90 kilometres per hour) near the centre.
49. Gale force winds can extend hundreds of kilometres from the cyclone centre. If sustained winds around the centre reach 118 kilometres per hour (gusts in excess 165 kilometres per hour) then the system is called a severe tropical cyclone (these equate to category 3 or above).
50. Prevention and preparative controls for tropical cyclones include, but are not limited to:
 - preparation of the Local Emergency Plan and convening the LEC
 - implementation of cyclone preparation initiatives and council clean ups
 - radio, television and social media broadcasts and billboard announcements
 - police patrols.

Public Education

51. NTES delivers community education, awareness and prevention programs. These are also conducted or supported by Australian Government agencies such as the Bureau of Meteorology and Attorney-General's Department, as well as non-government entities like the Australian Red Cross, to ensure ongoing public awareness of

emergency and disaster events. Further information is available on each organisation's respective website.

Planning

52. The Act requires Emergency Plans to be 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.
53. In accordance with section 17 of the Act, the operation and effectiveness of approved emergency plans must be reviewed at least once every 12 months.

Resource Coordination

54. A master resource register is to be maintained by the District Local Controller for rapid reference during emergency management operations – refer Annex D.
55. Stakeholders are to ensure that the District Local Controller is kept advised of changes to resource holdings, operational response capability and key personnel contact arrangements on a regular basis.

Training and Education

56. The Act requires that those involved in emergency planning and operations are to be appropriately trained. The NTES Learning and Development Command provides the required training and education capability to ensure NT Government and non-government entities are appropriately trained.

Exercises

57. Exercises are a key measure for testing the effectiveness of Plans and should be conducted at all levels and involve all stakeholders. Exercises ensure that Plans are robust and understood, and that capabilities and resources are adequate to implement them.
58. Exercises are conducted when a Plan has 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
59. Delivery of exercises is guided by advice from the Territory, Regional or Local Controllers, the Territory Recovery Coordinator, Territory

Emergency Management Council or Regional Emergency Committee or as required by functional groups¹.

Response

60. Response actions are those 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 support².

Control and coordination

61. 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 for assistance from the region, the Territory and/or the Australian Government. Pathway for assistance is through the Regional Controller/delegate.

Local Emergency Controller

62. In accordance with section 76 of the Act, the Territory Controller has appointed a District Local Emergency Controller (Local Controller).
63. The Local Controller is the OIC of Numbulwar Police Station.
64. The Local Controller is subject to the directions of the Regional Controller for the region in which the District is located.
65. The powers, functions and directions the Local Controller can be found in sections 77, 78 and 79 of the Act.

Local Emergency Committee

66. In accordance with section 80 of the Act, the Territory Controller has established a Numbulwar Local Emergency Committee (LEC).
67. The Local Controller is Chair of the LEC. Remaining membership consists of representatives from NT Government and non-government entities within the District.
68. Division 11 of the Act specifies the establishment, functions, powers; membership and procedure requirements of a LEC.

Local Recovery Coordinator and Coordination Committee

69. In accordance with section 87 of the Act, if a region and/or locality has been affected by an event, the relevant Regional Recovery Coordinator may appoint a Local Recovery Coordinator.

¹ Section 3.5 and 3.6 of the Territory Emergency Plan.

² <https://knowledge.aidr.org.au/media/1764/handbook-9-australian-emergency-management-arrangements-kh-final.pdf>

70. The Local Recovery Coordinator will establish a local Recovery Coordination Committee drawing from membership of the LEC and other relevant members of the community as deemed necessary.
71. The Local Recovery Coordinator will report directly to the Regional Recovery Coordinator.
72. Division 12 of the Act specifies the functions, powers and directions the Local Recovery Coordinator is subject to.
73. Division 13 of the Act specifies the establishment, functions, powers; membership and procedure requirements of Recovery Coordination Committee.

Emergency Operations Centres (EOCs)

74. Local Control Centres (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 District. 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 or the Territory Emergency Operations Centre where applicable
 - dissemination of information to the media and general public through the Public Information Group to ensure a single point of truth for releases of information to the wider community³
75. The District LCC is the OIC of Numbulwar Police Station.
76. The Regional EOC will be located in Darwin at the Peter McAulay Centre.
77. 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.
78. Liaison Officers from functional groups and support agencies will attend the EOC as required.

WebEOC

79. WebEOC is a critical information management system used throughout the NT. It is an effective and efficient tool used by stakeholders that have a role and responsibility under the Territory Emergency Plan during prevention, preparation, response and recovery phases of any event.

³ Territory Emergency Plan Section 4.5.3

80. WebEOC is a contemporary platform for the coordination of multi-agency response to any critical incident be it a severe weather event, flood, bush fire, industrial accident, major crime, terrorism or a large scale planned event. It provides the capacity to record (in real time) all information relevant to an incident and to share that information with other persons at the scene, an EOC and Functional Group personnel.
81. WebEOC allows for information sharing, managing tasks and submitting situational reports. It also assists the Control Authority to manage and disseminate current decisions and objectives. Together these functionalities provide up-to-date situational awareness.

Situation Reports (SITREPs)

82. 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 SITREPs.
83. 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 the WebEOC incident management system.

Activation of the Plan

84. This Plan sets out five 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:

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

85. The stages identified above provide for a sequential response. However, it may be necessary because of the degree of warning and speed of onset

of an event for either the Regional or Local Controller to amalgamate the actions required under one stage.

86. Recovery may be activated when an incident or event has occurred that did not necessitate the activation of response stages 1 to 4. This may be in relation to a sudden impact event or slow onset event such as a drought situation.

Stakeholder Notifications

87. Upon activation of the Plan the following personnel are to be advised as a matter of urgency:
- all available members of the LEC
 - Divisional Superintendent
 - Regional Controller
 - NTES Duty Officer.
88. The Local Controller will notify LEC members of imminent events or activations through various means including but not limited to phone, SMS and email notifications dependant on the most appropriate and available at the time.

Official Warnings and General Public Information

89. Official warnings are issued by the Bureau of Meteorology (BoM), Geoscience Australia and Bushfires NT.
90. Emergency Alert (EA) 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.
91. 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.
92. Authority to utilise the Emergency Alert and SEWS may be given by virtue of the approval of an emergency plan. The authority and delegations can be found in the Territory Emergency Plan.
93. Control and Hazard Management Authorities may have pre-planned use of SEWS for non-weather related events approved by virtue of the approval of a Regional or Special emergency plan.
94. The District will receive official warnings and general public information through the following means:
- radio broadcast

- television news broadcast
- Secure NT internet and Facebook site.

95. Warning and information messages for general public are authorised by the Local/Regional Controller/delegate, as relevant. The dissemination of such warnings and information is to be by whatever means are appropriate and available at the time.

Australasian Inter-Service Incident Management System (AIIMS)

96. Australasian Inter-Service Incident Management System (AIIMS) and is a robust incident management system that will enable the seamless integration of activities and resources of a single agency or multiple agencies when applied to the resolution of any event.

Closure of Schools

97. 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 (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.

98. The decision to reopen schools will be made by the Chief Minister on advice from the Chief Executive, Department of Education.

Closure of Government Offices

99. 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.

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

101. All NT Government 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.

Emergency Shelters

102. 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, fire or tsunami.

Emergency Shelters/Strong Buildings Locations

103. Those whose normal accommodation has been assessed as cyclone safe are to be encouraged to remain in their homes to reduce the burden on emergency shelters.
104. The table following shows those facilities identified as cyclone shelters, their estimated capacity and the organisation responsible for their preparation and management.

Responsibility	Shelter	Capacity	Contact
NT Police	Police Station	50	OIC Numbulwar Police Station
Dept of Education	Numbulwar School – note as strong building	300	Principal, Numbulwar School
Other	47 x Houses – see below table	Maximum of 6 per household	Most houses within Numbulwar Community are category three rated – all marked with an ‘S’.

105. Numbulwar Safe Dwellings listed as below:

Lot	175	Lot	194
Lot	89	Lot	180
Lot	75	Lot	181
Lot	264	Lot	193
Lot	263	Lot	184
Lot	124	Lot	188
Lot	102	Lot	259
Lot	103	Lot	187
Lot	121	Lot	258
Lot	120	Lot	187-1
Lot	122	Lot	187-2
Lot	118	Lot	187-3
Lot	106	Lot	187-4
Lot	109	Lot	186
Lot	108	Lot	260-1
Lot	110	Lot	260-2
Lot	111	Lot	260-3
Lot	112	Lot	260-4
Lot	113	Lot	205
Lot	114	Lot	149
Lot	116	Lot	173
Lot	117	Lot	169
Lot	212A	Lot	242
Lot	212B		

106. The responsibilities of the emergency shelter manager are:
- the provision of those buildings designated as emergency shelters
 - 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.
107. Emergency shelters are opened under the direction of the Territory or Regional Controller in consultation with the Emergency Shelter Group. The lead agency for this group is the Department of Education. Emergency shelters will not normally operate for more than 48 hours.
108. 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.
109. The announcement that emergency shelters are open in the District will be made by radio broadcast and will include emergency shelter rules such as no pets or alcohol being permitted in shelters and that food will not be provided.
110. The Department of Education in conjunction with NT Police are responsible for the management of emergency shelters in an emergency event.

Evacuation Planning and Accommodation

111. Evacuation is a risk management strategy that can be used to mitigate the effect of an emergency or disaster on a community⁴.
112. The decision to evacuate a community, including establishing an evacuation centre, is not taken lightly as it represents significant resource and financial implications⁵.
113. Evacuation of the District will be considered as a last resort. Where an evacuation is required the TEMC, in consultation with the Local Controller and the District, will arrange emergency accommodation and transport, as necessary, through the relevant Functional Group/s.

Register. Find. Reunite Registration and Inquiry System

114. Australian Red Cross, in partnership with the Commonwealth 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.
115. This system can be initiated by either the Territory or Regional Controller without the national system being activated⁶.

⁴ EM Manual 11 Evacuation Planning, page 1

⁵ Australian Emergency Management, Evacuation Planning Handbook 4 2013

116. Any activation of this system should occur in consultation with the Welfare Group in the first instance.

Impact Assessment

117. Immediately after a hazard has affected a community, assessment of the impact is a vital component of the situational awareness and implementation of response and recovery activities.
118. Guidelines to conduct rapid assessments in the NT, including the establishment of a dedicated Rapid Assessment Team/s (RAT) to collect data in the field have been developed. A copy is available in the WebEOC library for emergency management practitioners.
119. The Survey, Rescue and Impact Assessment Group, led by the NTPFES, is responsible for impact assessments.
120. At the local level, Local Controllers can activate the NTES to undertake impact assessments if deemed appropriate.

Recovery

121. Emergency recovery is the coordination process of supporting affected communities in the reconstruction of the physical infrastructure, restoration of the economy and of the environment, and support for the emotional and physical wellbeing of those affected.
122. Recovery is often a long term process which can be measured in months, years or even decades. For the purpose of this Plan only the early recovery phase is detailed.

Transitional Arrangements

123. The transition from response to recovery coordination represents a fundamental shift in operational aims and tempo. This shift is from the protection of life and supporting the immediate needs of the community, to establishing longer term, more sustainable support structures.
124. The transition to recovery coordination occurs at a time agreed to by the:
- Territory Controller
 - Territory Recovery Coordinator.

After consultation with TEMC, the Regional Controller and the Regional Recovery Coordinator.

Handover Arrangements

125. Formal handover to recovery coordination will not occur until the Territory Recovery Coordinator is satisfied the following briefings have been completed:

⁶ Territory Emergency Plan Section 4.17

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

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

127. A summary of response and recovery activities can be found at Annex J.

Plan Governance

128. Part 2, Division 3 of the Act outlines the preparation, consideration, approval and review requirements for Local Emergency Plans.

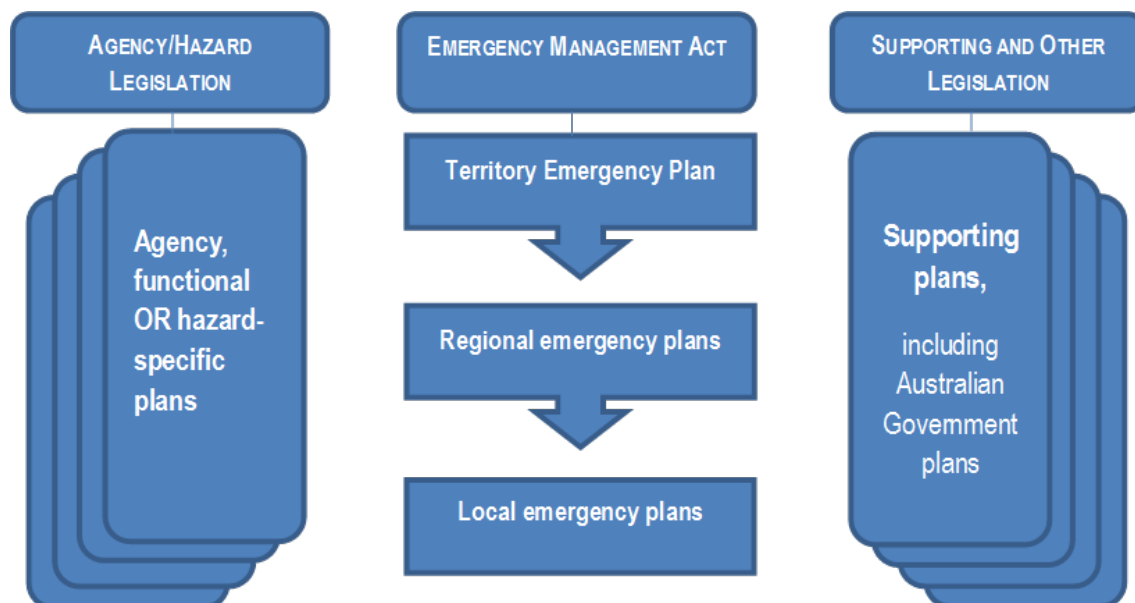
Annexures

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Annex N	Acronyms

Annex A: Hierarchy of Plans

Emergency management planning in the Territory is based upon a hierarchal system. It originates with the Territory Emergency Plan which provides the basis for subsequent regional, local and specific emergency management plans relating to specific threats.

- **Territory Emergency Plan.** A plan to describe the Northern Territory’s approach to emergency and recovery operations, the governance and coordination arrangements and roles and responsibilities of agencies. The plan is supported by regional, local and hazard specific plans and functional group sub plans.
- **Regional Emergency Plans.** The regional emergency management structure is based upon two Police Regions. The plans provide a basis for coordinated emergency and recovery operations in the region.
- **Local Emergency Plans.** Plans developed for coordinated emergency and recovery operations in the identified locality.
- **Territory Wide Plans.** Plans are not associated with functional group operational plans but cover an all hazard/all agency/all regions approach.
- **Agency/functional group plans.** Plans developed for agencies or functional groups to deliver the functions and operations of their agency during an Emergency or disaster.
- **Australian Government Plans and Arrangements.** The Australian Government publish a range of national plans to deal with emergencies and disasters.
- **Special Emergency Plans.** Plans outlining the arrangements for the control, coordination and support response, for hazard specific emergencies and disasters such as emergency terrestrial and aquatic pest and disease incursions.



Annex B: Functional Groups - Roles and Responsibilities

Functional Group	Position and Agency
Biosecurity and Product Industry	Department of Industry, Tourism and Trade
Communication Technology	NTPFES
Critical Goods and Services	Department of Industry, Tourism and Trade
Emergency Shelter	Department of Education
Engineering	DIPL
Medical	Department of Health
Public Health	Department of Health
Public Information	Department of the Chief Minister and Cabinet
Public Utilities	Power and Water Corporation
Transport	DIPL
Survey and Rescue	NTPF with the assistance of Fire and Emergency Response Groups
Welfare	Department of Territory Families, Housing and Communities
Function/Activity	Position and Organisation or Provider
Medical Services	Department of Health
Power Supply (ESO)	PowerWater
Food supplier	Stores
Transportation	DIPL
Housing	Department of Territory Families, Housing and Communities

Full details on agency roles and responsibilities are detailed in the Northern Territory Emergency Plan.

Annex C: Functional Groups

Emergency Response and Recovery Functions with Identified Agencies/Organisation/Provider

During an event some of these functions may be needed at a local level.

Please consider which agency or community member might be responsible for providing this function:

Functions	Agency /Organisation/Provider responsible
Animal / Livestock Management	RGRC
Anti-looting protection	NT Police
Banking Services	Territory Credit Union
Broadcasting: What radio stations provide announcements?	RGRC
Clearing of essential traffic routes	RGRC/DOI
Clearing storm water drains	N/A no storm water drains
Clothing and Household Items	Stores
Community Clean Up	RGRC
Control, coordination and management	NT Police
Coordination to evacuate public	NT Police
Critical Goods and Services (protect/resupply) <ul style="list-style-type: none"> • Food • Bottle Gas • Camping Equipment • Building supplies 	Stores
Damaged public buildings: Coordination and inspections	Department of Territory Families, Housing and Communities /RGRC
Disaster Victim Identification capability	NT Police
Emergency Alerts / SEWS	NT Police
Emergency Catering	Stores
Emergency food distribution	Stores
Emergency Operations Centre (EOC), including WebEOC, Recovery coordination centre (RCC)	NT Police
Emergency shelter. Staff, operations and control	Education, RGRC, NT Police
Evacuation centre - Staffing, operations and control	Education, RGRC, NT Police
Financial Relief /Assistance Payments of NDRRA (National Disaster Relief and Recovery Assistance)	

Functions	Agency /Organisation/Provider responsible
Identification of suitable buildings for shelters	NT Police
Interpreter Services	AIS
Management of Expenditure in emergencies	
Medical services	Clinic
Network communications (IT): Responders / Public Maintenance and restoration of emergency communication	Telstra
Personal Support	Clinic
Power: Protection and restoration :	Power Water
Public messaging during response and recovery.	RGRC
Public/Environmental Health (EH) management <ul style="list-style-type: none"> • All EH functions including water & food safety • Disease Control 	NT Health/RGRC
Rapid Impact Assessment	CMC
Recovery Coordination	CMC
Repatriation	NT Police
Restoration of public buildings	Department of Territory Families, Housing and Communities
Restoration of roads and bridges (council/territory) excluding railways	DOIPL/RGRC
Road management and traffic control including public Information on road closures	RGRC
Sewerage: Protection and restoration	Power Water
Survey	NT Police
Temporary accommodation (Recovery)	Department of Territory Families, Housing and Communities
Traffic Control	NT Police
Transport : Commercial and Public airport/ planes, automobiles, ferries, buses	
Vulnerable Groups	Clinic
Waste management <ul style="list-style-type: none"> • Collection • Disposal of Stock 	RGRC
Water (including drinking water): Protection and restoration	Power Water

Annex D: Resource List

RESOURCE REGISTER

Locality - Numbulwar

Resource	Communications	Fire Fighting	Rescue	Medical	Aircraft	Vehicles			Plant	Fuel	Accommodation / Shelter	Food Supply & Storage	
Legend Agency/Organisation	HF UHF VHF Marine (M) Satellite Ph (SP)	A=Appliance D=Drop on Unit T=Trailer F=Foam E=Extinguisher (4.5kg and above) GFU – Grass Fire Unit	RAR=Road Accident Rescue Team HE=Heavy Rescue Equipment WS=Workshop PG=Portable Genset FL=Floodlighting	=Hospital A=Ambulance C=Clinic F/A=First Aid Kits SF=Stretcher (fld) SB=Stretcher-(bsk) B=Blankets	F=Fixed Wing H=Helicopter (oo)=Seating Capacity (s)=Stretcher (w)=Winch (kg)=Payload	S=Sedan/Stationwagon U=Utility B=Bus (seating) T=Truck (capacity) WT=Water tanker FT=Fuel tanker LW=Liquid waste tanker	2WD	4WD	All Terrain	T=Tractor B=Bulldozer C=Crane (mobile) F=Frontend Loader F/L=Forklift L=Lowloader B/H=Back hoe G=Grader BC=Bobcat	A=Avgas D=Distillate J=Jet aviation L=LPG S=Super U=Unleaded	B=Beds R=Rooms C=Caravans T=Tents Tp=Tarpaulins Ps=Plastic Sheeting	R=Retail store B=Bulk dry goods K=Commercial Catering P=Portable cooking F=Freezer (fixed) Fm=Freezer (mobile) C=Coolroom
NTPF	1 x HF 2 x Marine 6 x VHF (2 x veh Mounted) 2 x SP (1 x veh mounted) 1 x MDT 2 x UHF	1 x T (GFU)	1 x FL 1 x PG 1 x CS 1 x RAR	4 x FA			2 x U	1 x 4.5m V	N/A	2 x D (20lt)	1 x VOQ		
PAWA	1xHF 1 x SP		1 x CS				1 x U	1 x 4m V (personal)	1 x B/H	D			
Clinic	1 x SP			1 x C 1 x A 1 x SF 1 x SB 100 x B			1 x B 10 seats	1x TP 2 x U				1 x Refrigerated container (1pax -old) 1 x Refrigerated container (5pax-new)	
School	1 x SP 2 X UHF		1 x PG	2 x FA			1 x TP 3 x U	1 x 20pax B			1 x R 300pax 1 x Fixed Generator	6 x Freezers	

Resource	Communications	Fire Fighting	Rescue	Medical	Aircraft	Vehicles			Plant	Fuel	Accommodation / Shelter	Food Supply & Storage	
Legend Agency/Organisation	HF UHF VHF Marine (M) Satellite Ph (SP)	A=Appliance D=Drop on Unit T=Trailer F=Foam E=Extinguisher (4.5kg and above)	RAR=Road Accident Rescue Team HE=Heavy Rescue Equipment WS=Workshop	=Hospital A=Ambulance C=Clinic F/A=First Aid Kits SF=Stretcher (fld) SB=Stretcher-(bsk)	F=Fixed Wing H=Helicopter (oo)=Seating Capacity (s)=Stretcher (w)=Winch (kg)=Payload	S=Sedan/Stationwagon U=Utility B=Bus (seating) T=Truck (capacity) WT=Water tanker FT=Fuel tanker LW=Liquid waste tanker		12 x U	1 x WT	T=Tractor B=Bulldozer C=Crane (mobile) F=Frontend Loader F/L=Forklift	A=Avgas D=Distillate J=Jet aviation L=LPG S=Super U=Unleaded	B=Beds R=Rooms C=Caravans T=Tents Tp=Tarpaulins Ps=Plastic Sheeting	R=Retail store B=Bulk dry goods K=Commercial Catering P=Portable cooking
RGRC	1 x SP								1 x FL 1 x F 1 x Concrete Truck 1 x BH 1 x G 1 x slasher 1 x garbage compactor	D			
Homelands	2 x SP	2 x T 1 x E	1 x CS			1 x T	2 x U	1 x 4m V	1 x F/L 1 x T	D			
NLC Rangers	1 x SP 1 x M/UHF	2 x T	1 x CS				3 x U	1 x 4.5m V		D	8 x T 8 x Swags		
Numbirindi (ALPA)	1 x SP					1 x U 1 x T (flatbed)	1 x U		1xFL		1 x Generator	1 x refrigerated container (10x5)	
Newtown Store	1 x SP					1 x U 2 x T (flatbed 6T, 8T)	1 x U		1xFL		1 x Generator	1 x Refrigerated container (6x2.4x2.6)	

Where Functional Groups are identified, those agencies are responsible for ensuring that a record of resources available during an event are completed and made available to the Local Controller during an event.

R=Retail store

Annex E: Identified Risk Guidelines – Transport

TRANSPORT INCIDENT

Introduction

This plan provides generic guidance on the response to air and road emergencies within the Numbulwar region which necessitate the activation of Emergency Management arrangements.

Aircraft

Aircraft movements in the Numbulwar area which include small fixed wing aircraft and rotary wing aircraft generally used for aerial mustering.

Region 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.*" Edition 6.

http://www.atsb.gov.au/publications/2014/hazards-at-accident-sites_v6.aspx

www.atsb.gov.au

Motor Vehicle

Main roads within the Numbulwar area are well maintained and have a bitumen surface. An extensive 4WD track network is also present throughout the NT that creates the additional problems associated with remote area incidents. Vehicular traffic ranges from cars to motorcycles, tourist coaches, caravans, road trains, stock and fuel transporters. The vast majority of traffic accidents will be dealt with under existing day to day arrangements. Traffic accidents involving hazardous materials are covered under HAZMAT Risk.

Initial Responses

The main goals of any rescue are to bring the most good to the greatest number and to evacuate the living as soon as possible. Emergency Services will assume control of the scene, move survivors who are not severely injured or trapped in the wreckage to an appropriate space reserved for them and commence the task of finding and extricating the trapped, seriously injured, unconscious, or dead. However, these procedures may change if there was any threat of fire or explosion.

Reconnaissance

Once the Incident Controller has taken charge of the scene, two man reconnaissance teams should be sent, equipped with radio, clipboard, flashlight and basic medical gear, into assigned sectors of the wreckage to locate survivors.

Rescue

As information comes in from reconnaissance teams about the location and condition of survivors, rescue teams will respond.

ACTIONS TO BE TAKEN – TRANSPORT ACCIDENT

Organisation/Provider	Stage 1 Alert	Stage 2: Standby	Stage 3: Activation	Stage 4: Stand down	Stage 5: Recovery
ALL MEMBERS	Inform key personnel.	Inform key personnel.	Attend Briefings. Provide SITREPS.	Attend Briefings. Provide SITREPS.	Attend Briefings. Provide SITREPS.
LOCAL CONTROLLER			Notify relevant Group Leaders. Notify NTES Duty Officer Convene LEC briefing if required. Attend the incident and assess as to whether further assistant is needed.	Notify relevant Group Leaders. Notify NTES Duty Officer Convene LEC briefing if required Leaders.	Notify relevant Group Leaders. Notify NTES Duty Officer Convene LEC briefing if required.

Annex F: Identified Risk Guidelines – Hazmat

HAZMAT

Introduction

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.

Initial Responses

The initial response will be coordinated by Police with the assistance from the Numbulwar NTES unit. The Local Controller will determine the appropriate agency to continue with the primary response given the nature of the incident.

Incident Controller

The Incident Controller will be Police in the first instance, a continuation of this role will be dependent on the given situation.

Notifications

Notifications to the community will be provided by police patrols, community radio, NTPFES Social Media, and community billboards.

Communications

Communications will be conducted through PFES digital radio system using duplex dispatch talk group or simplex fire ground talk groups. Mobile and satellite phones are also available to fire ground incident controller

ACTIONS TO BE TAKEN – HAZMAT

Organisation/Provider	Stage 1 Alert	Stage 2: Standby	Stage 3: Activation	Stage 4: Stand down	Stage 5: Recovery
ALL MEMBERS	Inform key personnel.	Inform key personnel.	Attend Briefings. Provide SITREPS.	Attend Briefings. Provide SITREPS.	Attend Briefings. Provide SITREPS.
LOCAL CONTROLLER			Notify relevant Group Leaders. Notify NTES Duty Officer Convene LEC briefing if required. Attend the incident and assess as to whether further assistance is needed.	Notify relevant Group Leaders. Notify NTES Duty Officer Convene LEC briefing if required Leaders.	Notify relevant Group Leaders. Notify NTES Duty Officer Convene LEC briefing if required.

Annex G: Identified Risk Guidelines – Cyclone

CYCLONE

Introduction

Numbulwar is subject to tropical cyclones.

Pre-Season Preparation

The Numbulwar Local Controller, through the Numbulwar LEC, must ensure the following pre-season preparations are actioned:

- a. Liaison is established with all participating local organisations to update contact details;
- b. In conjunction with the NTES arrange an appropriate exercise to test existing arrangements;
- c. Revise and amend this Plan as necessary; and
- d. In consultation with the NTES, develop and implement a suitable public education program.

Cyclone Severity Categories⁷

The severity of a tropical cyclone is described in terms of categories ranging from 1 (weakest) to 5 (strongest) related to the maximum mean wind speed as shown in this table.⁸

Category	Maximum Mean Wind (km/h)	Typical Strongest Gust (km/h)	Central Pressure (hPa)	Typical Effects
1	63 - 88	< 125	> 985	Negligible house damage. Damage to some crops, trees and caravans. Craft may drag moorings
2	89 - 117	125 - 164	985 - 970	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	970 - 955	Some roof and structural damage. Some caravans destroyed. Power failures likely. (e.g. <i>Winifred</i>)
4	160 - 199	225 - 279	955 - 930	Significant roofing loss and structural damage. Many caravans destroyed and blown away. Dangerous airborne debris. Widespread power failures. (e.g. <i>Tracy, Olivia</i>)
5	> 200	> 279	< 930	Extremely dangerous with widespread destruction. (e.g. <i>Vance</i>)

⁷ Source BOM website

⁸ 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.

Tropical Cyclone Action Statements for NT Season

Message Approval Flow

- BoM will send Coordination Table with meteorological information to NTES Duty Officer
- NTES (Duty Officer/Regional Manager) will determine recommended Plan Stages based on information to hand
- NTES passes recommendations to Incident/Regional Controller to confirm Plan Stages
- NTES sets messages to confirmed Plan Stages and sends completed document to BoM
- BoM completes and releases TCA

Notes	Message Content & Format:
<p>Gales / TC formation expected in 24 – 48 hrs</p> <p><i>Gales/TC formation expected within 48hrs, not expected before 24 hours</i></p> <p>(Watch – Plan Stage 1)</p> <p>*Only used at top of message run **if Darwin is included</p>	<p>Message 1</p> <p><i>NTES advises*</i></p> <p><i>...communities under Watch:</i></p> <ul style="list-style-type: none"> • Finalise your emergency kit preparations; • Clear your premises of potential wind borne missiles; • Commence home shelter preparations, or decide NOW where you will shelter; • If your present accommodation is not to code, or you're unsure, you should arrange to shelter with friends, family or in a public shelter or strong building, [or designated underground car parks in the Darwin area]**; • Do not move to shelter until advised by local authorities.
<p>Gales expected in 12 – 24 hrs</p> <p><i>Gales expected within 24 hours, not expected within 12 hours</i></p> <p>(Warning – Plan Stage 2)</p>	<p>Message 2</p> <p><i>...residents [from_____ to_____] or [east/west of_____]</i></p> <ul style="list-style-type: none"> • Your emergency kit should now be complete and ready; • Finalise home shelter preparations, or know now where you will shelter; • Do not move to shelter until advised by local authorities <p><i>[Insert point for Watch Message 1 – "...communities under watch..."]</i></p>
<p>Gales expected in 6 – 12 hrs</p> <p><i>Gales expected within 12 hours, not expected before 6 hours</i></p> <p>(Warning – Plan Stage 3)</p> <p>SEWS may be applied at this point</p> <p>Messages are listed in order of threat priority</p>	<p>Message 3</p> <p><i>...residents [from _____ to_____] [west/east of _____],</i></p> <p>A CYCLONE IS APPROACHING:</p> <ul style="list-style-type: none"> • Public shelters are now open <i>[in Darwin this includes identified under cover car parks]</i> ; • If not sheltering at home, PROCEED IMMEDIATELY to shelter with family, friends or at one of the public shelters - take your emergency kit with you; • MAKE YOUR DECISION QUICKLY AS WINDS ARE SHORTLY EXPECTED TO REACH A DANGEROUS LEVEL; • Make final preparations to home shelter and take shelter as gales arrive;

	<ul style="list-style-type: none"> Private Sector businesses and organisations still open at this time are strongly advised to consider securing and closing their premises. Employers are reminded of their Duty of Care to ensure the safety of any employees still at work. <p><i>[Insert point for Warning Message 2 – “...residents [from _____ to _____] or [east/west of _____] ...”]</i></p> <p><i>[Insert point for Watch Message 1 – “...communities under watch...”]</i></p>
<p>Gales expected within 6 hrs</p> <p>(Warning – Plan Stage 4)</p> <p>SEWS recommended</p>	<p>Message 4</p> <p>... residents [from _____ to _____] [west/east of _____], to TAKE SHELTER NOW</p> <ul style="list-style-type: none"> DO NOT drive or move about outside, you will be advised by local authorities when it is safe to do so <p>REPEATING: CONDITIONS ARE NOW AT A DANGEROUS LEVEL, TAKE SHELTER NOW</p> <p><i>[Insert point for Warning Message 3 – “...residents [from _____ to _____] or [east/west of _____] ...”]</i></p> <p><i>[Insert point for Warning Message 2 – “...residents [from _____ to _____] or [east/west of _____] ...”]</i></p> <p><i>[Insert point for Watch Message 1 – “...communities under watch...”]</i></p>
<p>Gales in Area Now</p> <p>(Warning – Plan Stage 5)</p>	<p>Message 5</p> <p>... communities currently in shelter should remain until advised by local authorities that the all clear has been given.</p> <ul style="list-style-type: none"> DO NOT drive or move about outside, you will be advised by local authorities when it is safe to do so. <p>REPEATING: CONDITIONS ARE STILL AT A DANGEROUS LEVEL, REMAIN IN SHELTER.</p> <p><i>[Insert point for Warning Message 4 – “...residents [from _____ to _____] or [east/west of _____] ...”]</i></p> <p><i>[Insert point for Warning Message 3 – “...residents [from _____</i></p>

	<p>to____] or [east/west of____] ...”]</p> <p>[Insert point for Warning Message 2 – “...residents [from _____ to____] or [east/west of____] ...”]</p> <p>[Insert point for Watch Message 1 – “...communities under watch...”]</p>
<p>Gales have eased</p> <p>(All Clear – Plan Stage 6)</p> <p>** Posted at tail of priority warning messages.</p>	<p>Message 6</p> <p><i>...residents [from _____ to____] [west/east of _____] that IT IS NOW SAFE TO LEAVE YOUR SHELTER AREA.</i></p> <ul style="list-style-type: none"> • Before moving around, ensure that you are wearing strong clothing and footwear. • Look around your immediate neighbourhood and render assistance where you can but beware of fallen power lines and debris. • Do not drive around unnecessarily as emergency vehicles require clear access. • If you have to drive, go directly to your destination. • Do not enter flood waters • Follow directions of local authorities. <p>FOR LIFE THREATENING EMERGENCIES DIAL 000.</p> <p>For Storm or Flood Assistance call 132 500</p>
	<p>At end of message run:</p> <p>Further advice on cyclone emergencies is available at www.securent.nt.gov.au</p> <p><i>Please ensure that friends, family and neighbours have heard and understood this message, particularly new arrivals to the area.</i></p>
<p style="text-align: center;">Guidance Notes</p> <p>Expectation of Gales:</p> <p>Refers to the time period within which gales are <u>expected to start</u> in an area, based on forecast movement and intensity of a cyclone. For example, the statement “Gales expected in 6 – 12 hours” means that gales are expected in an area within 12 hours, but not before 6 hours.</p> <p>Stages 1 through 6</p> <p>The Stages within a Regional/Local Emergency Plan describe actions that will be undertaken locally to prepare or respond to requirements under their respective plans. Public Action Messages will state what we want the public to be doing.</p> <p>There will be several plans activated and at different stages of activation. It is also possible that some actions may be undertaken, without a particular stage having been activated – e.g. sheltering of vulnerable persons prior to shelters opening to the public.</p> <p>Activation of stages will occur based on forecast conditions/threat, current local conditions and state of preparation with local resources available.</p> <p>It is entirely probable that persons sheltering will be doing so for an extended period, 12 – 18 hours or</p>	

more. It is preferable people are in shelter before arrival of gales and are not released until gales have moved on and are not likely to return.

Actions to be taken – Cyclone

Organisation /Provider	Stage 1 Watch	Stage 2 Warning	Stage 3 Warning	Stage 4 Warning	Stage 5 Warning	Stage 6 All Clear	Transition to Recovery	Recovery
ALL MEMBERS	Attend Briefings Inform key personnel <i>Provide SITREPS</i>	Attend Briefings Inform key personnel <i>Provide SITREPS</i>	Attend Briefings Inform key personnel <i>Provide SITREPS</i>	Attend Briefings Inform key personnel <i>Provide SITREPS</i>	Attend Briefings Inform key personnel Provide SITREPS	Attend Briefings. Inform key personnel. Provide SITREPS. Carry out other duties by the Local Controller.	Attend Briefings. Inform key personnel. Provide SITREPS. Carry out other duties by the Local Controller.	Attend Briefings. Inform key personnel. Provide SITREPS. Carry out other duties by the Local Controller.
LOCAL CONTROLLER	Convene meeting of the Numbulwar LEC. Coordinate the dissemination of the Cyclone Watch information to the public. Ensure that communications are established and maintained with the Regional Controller and NTES Duty Officer. Delegate notification requirements if necessary.	Convene a meeting of the Numbulwar LEC to advise members of the Cyclone Warning message and of the declaration of Stage 2 and allocate tasks as required. Ensure that the dissemination of the Cyclone Warning information to the public is maintained. Ensure that communications are established and maintained with the Regional Controller and the Duty Officer,	Notify Committee members of the declaration of Stage, and allocate tasks as required. Note: The Committee to meet at least daily during Stage 3 Ensure that the dissemination of the Cyclone Warning information to the public and SITREP frequency is maintained. At the appropriate time advise those persons at risk to take shelter.	Ensure all personnel take shelter	When it is considered safe to move outside, ascertain the extent of injury to persons and damage to property. Give direction to survey teams.	Notify Committee members of the declaration of Stage 6, and advise time and place of debrief.	Ensure that the public is advised that the operation has concluded and now moving into recovery. Prepare and forward final SITREP. In conjunction with the NT Recovery Coordinator and Regional Controller, facilitate the handover of recovery operations (if required). Close EOC and stand down the LEC.	Any ongoing recovery operations may operate from alternative premises.

Organisation /Provider	Stage 1 Watch	Stage 2 Warning	Stage 3 Warning	Stage 4 Warning	Stage 5 Warning	Stage 6 All Clear	Transition to Recovery	Recovery
		NTES. Activate the EOC if needed.					Begin compilation of information for the Post Operation Report.	
NT POLICE	Brief Station Staff. Disseminate warnings and information as required. Maintain normal police duties. Assist Local Controller as required. Ensure all operational vehicles are fully fuelled.	Brief Station Staff. Assist with preparation of EOC if needed. Disseminate warnings and information as directed by the Local Controller. Limit transport and ensure all operational vehicles are fully fuelled. Assist the Local Controller as required.	Brief Station Staff. Disseminate warnings and information as directed by the Local Controller. Coordinate the movement of personnel to shelter Direct a final patrol of the town. Carry out registration/evacuation duties as required.	Brief Station Staff. Ensure all personnel take shelter.	Brief Station Staff. At Direction of Local Controller commence survey.	Commence clean up and relief operations. Assist in advising the public of the conclusion of the operation.		
MEDICAL	Brief Health Centre personnel. Advise the Numbulwar Local Controller of stage of preparedness and of any urgent requirements. Collect and collate information on personnel who may require assistance moving	Brief Health Centre personnel. Determine health services priorities and advise the Numbulwar Local Controller. Provide the Numbulwar Local Controller with information and advice on communications,	Brief health centre personnel on the declaration of Stage 3. Advise General Manager, Health Katherine/Gove on declaration of Stage 3. Complete security of Health Centre facilities including ambulance/essent	Confirm debrief arrangements. Brief Health Centre personnel. Restore health centre facilities. Advise General Manager, Health and Families Katherine/Gove on declaration of Stage 4.	Remain in shelter	Brief Departmental personnel. Ensure personnel and facilities are available for casualty receipt and treatment upon receipt of All Clear advice Restore Departmental	Advise Local Recovery Coordinator of any urgent priorities and participate in meetings as required.	

Organisation /Provider	Stage 1 Watch	Stage 2 Warning	Stage 3 Warning	Stage 4 Warning	Stage 5 Warning	Stage 6 All Clear	Transition to Recovery	Recovery
	<p>to shelters (e.g. incapacitated, wheelchairs, etc) and advise Numbulwar Local Controller.</p> <p>Advise General Manager, Health Gove on declaration of Stage 1.</p> <p>Maintain normal health and family services.</p> <p>The Numbulwar Health centre comes under East Arnhem South – as Such my District manager is based in Gove and my General manager is in Darwin. These are the people that Health will be liaising with</p>	<p>first aid, medical and public health and family service matters.</p> <p>Advise General Manager, Health Gove on declaration of Stage 2.</p> <p>Check, prepare and secure Health Centre stores and equipment</p>	<p>ial vehicles and communications equipment.</p> <p>Ensure that ALL requests for assistance are channelled through the Numbulwar Local Controller.</p> <p>Upon advice from the Numbulwar Local Controller ensure all personnel take shelter.</p> <p>Ensure personnel and facilities are available for casualty receipt and treatment upon receipt of All Clear advice.</p> <p>Advise Numbulwar Local Controller on all first aid/medical, public health and family services matters and if necessary liaise with Care Flight.</p>	<p>Ensure all personnel take shelter</p>		<p>facilities.</p>		
ROPER GULF COUNCIL	<p>Brief Council personnel.</p> <p>Coordinate the dissemination of</p>	<p>Commence preparation of buildings for use as public cyclone</p>	<p>Brief Council personnel on the declaration of Stage 3.</p>	<p>Confirm debrief arrangements with the Numbulwar Local</p>	<p>Remain in shelter.</p> <p>Upon direction of the Local Controller advise</p>	<p>Provide emergency response as required.</p>	<p>Assist Local Controller as required.</p>	<p>Assist Local Controller as required.</p>

Organisation /Provider	Stage 1 Watch	Stage 2 Warning	Stage 3 Warning	Stage 4 Warning	Stage 5 Warning	Stage 6 All Clear	Transition to Recovery	Recovery
	<p>the Cyclone Watch information to the public, and in conjunction with the Police, ensure the community and businesses are informed.</p> <p>Maintain services.</p> <p>Establish and maintain liaison with the Numbulwar Local Controller to provide regular reports on status of all Council provided services.</p>	<p>shelters.</p> <p>Brief Council personnel.</p> <p>Maintain services.</p> <p>Advise the Numbulwar Local Controller on essential service matters.</p> <p>Liaise with Health Centre representative on community service matters</p>	<p>Advise the Numbulwar Local Controller on essential service matters.</p> <p>Ensure all personnel take shelter, when directed.</p> <p>When outside movement is considered safe, provide qualified personnel for damage assessment and provide Numbulwar Local Controller with regular SITREPs.</p> <p>If necessary, restore services according to priorities given by the Numbulwar Local Controller</p>	<p>Controller.</p> <p>Advise all Council personnel and advise the Numbulwar Local Controller when all Council personnel are accounted for.</p> <p>Provide information for inclusion in the final SITREP as requested by the Numbulwar Local Controller.</p> <p>Ensure all Council equipment used in the operation is accounted for, supervise, cleaning/repair, servicing and refurbishment.</p>	<p>the Staff when it is considered safe to leave shelter.</p>	<p>Coordinate rescue operations in conjunction with NT Police.</p>		
POWERWATER	<p>Attend meeting of the Numbulwar LEC</p> <p>Liaise with other departments/organisations as required.</p> <p>Ensure all water storage and fuel facilities are filled</p>	<p>Attend meeting of the Numbulwar LEC</p> <p>Continue to advise Numbulwar Local Controller on state of preparedness.</p> <p>Maintain liaison</p>	<p>Attend meeting of the Numbulwar LEC</p> <p>Advise the Numbulwar Local Controller on essential service matters.</p> <p>When outside movement is</p>	<p>Confirm debrief arrangements with the Numbulwar Local Controller.</p> <p>If necessary, restore services according to priorities given by the Numbulwar</p>	<p>Remain in shelter.</p> <p>At Direction of Local Controller commence survey.</p>	<p>Ensure access is restored to all roads and public facilities.</p> <p>Continue clean-up effort of the township.</p>	<p>Continue clean-up effort of the township.</p> <p>Restore all public facilities.</p>	<p>Continue clean-up effort of the township.</p> <p>Restore all public facilities.</p>

Organisation /Provider	Stage 1 Watch	Stage 2 Warning	Stage 3 Warning	Stage 4 Warning	Stage 5 Warning	Stage 6 All Clear	Transition to Recovery	Recovery
	to capacity. Check availability of resources and advise Numbulwar Local Controller on specific PowerWater matters.	with other departments/orga nisations as required. Carry out appropriate protective or preventative measures as required.	considered safe, conduct damage assessment and provide Numbulwar Local Controller with regular SITREPs.	Local Controller.				
Education	Advise the Local Controller of the state or preparedness and availability of human resources. Maintain normal education services.	Brief Departmental staff on declaration of Stage 2. In conjunction with the Local Controller and consider the closure of schools.	Brief Departmental staff on the declaration of Stage 3. Ensure all personnel take shelter. Where possible, assist with welfare and other community services.	Brief Departmental staff. Ensure all personnel take shelter.	Remain in shelter	Brief Departmental staff. When it is considered safe to move outside ascertain the extent of injury to persons and damage to property as directed by the Local Controller Restore facilities and resume normal education duties as soon as possible.	Advise Local Recovery Coordinator of any urgent priorities and participate in meetings as required.	

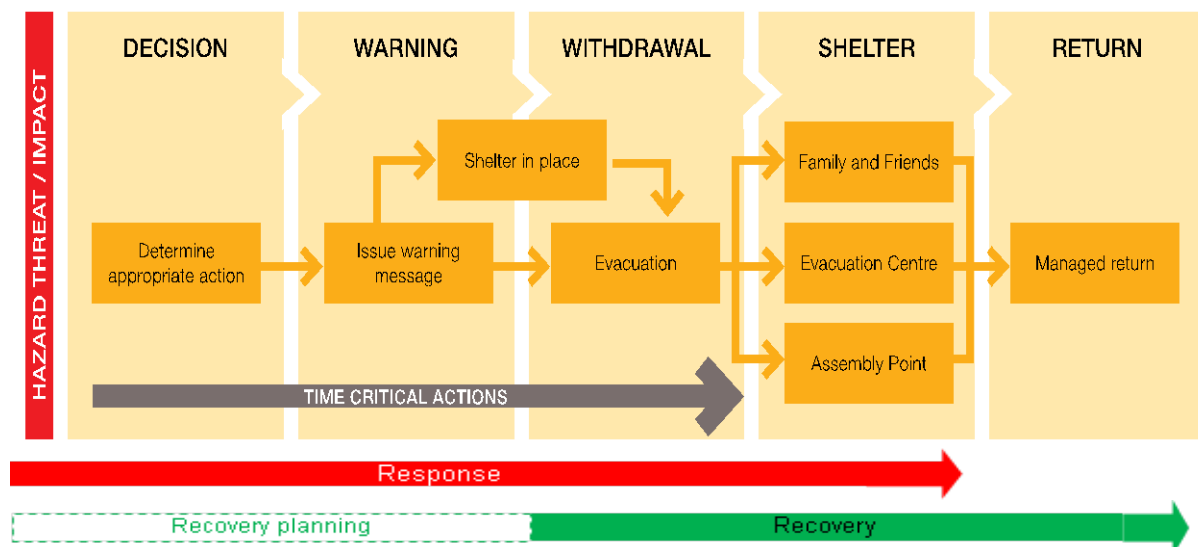
Annex H: Evacuation Guideline

Evacuation is a risk management strategy that can be used to mitigate the effects of an emergency or disaster on a community. Evacuation involves moving people to a safer location, and is usually considered to include the return of the affected community. It is recommended that when advance warning is available to notify the Territory Emergency Management Council.

Evacuation is a complex process that has five 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 five-step process.



Source: *Five stages of Evacuation*, Qld Government, 2011.

Emergency Shelters

An emergency shelter can generally only operate for up to **48 hours**.

Although staffed by various community service providers, an emergency shelter offers minimal support services. People accessing a shelter are expected to be self-sufficient and provide their own food and emergency supplies.

Where longer-term emergency accommodation and support is required following a disaster or event, an evacuation centre may be set up. An evacuation centre is designed to accommodate people for short to medium periods of approximately **four to six 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 implies the provision of these services in contrast to an emergency shelter, in which people are expected to be self-sufficient.

Identified Evacuation Centres

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

Evacuation Guidelines

Stage 1 - Decision		
Authority	The Regional Controller will authorise the activation of the evacuation plan. This evacuation plan is to be approved by the Territory Emergency Management Council prior to activation.	Regional Controller in conjunction with TEMC
Legal references	<i>Emergency Management Act</i> and approved Local Numbulwar Local Emergency Plan (LEP). It is recommended that the Minister declares an Emergency Situation under section 18 of the <i>Emergency Management Act</i> when this evacuation plan is activated.	
Alternative to evacuation? I.e. shelter in place, temporary accommodation on-site/nearby.	Police Station 50 Local School 300 Houses marked 'S' or newly built houses If needed residents will be progressively relocated within the community to < > for pre staging post a cyclone impact. Refer to the Numbulwar staging arrangements.	Numbulwar Local Controller to arrange.
Summary of proposed evacuation	Decision – made by the Regional Controller when the Numbulwar community cannot support residents in situ during recovery. The Numbulwar Local Controller to disseminate information to the community. Withdrawal – four stage process; <ol style="list-style-type: none"> Numbulwar community to the Numbulwar School to be registered for evacuation to <Location to be determined>; Once registered, groups to move to the airstrip assembly area using buses/vehicles; 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> Return – to be determined once recovery can sustain return to <Location to be determined>	The decision will be informed by additional advice from BOM up to that time.
Which communities/outstations or geographical area does the evacuation apply to?	Out Stations, Homelands and homesteads within Numburindi District	Arrangements through Police and Homelands
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

	The Identified people will be evacuated <At a time to be determined>.	action.
Community demographics (approx. total number, family groups, cultural groups etc)	Refer to Evacuation Centre Guidelines p.21 (section 4.2) Examine the demographic breakdown of the community to be evacuated including <ul style="list-style-type: none"> 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. 	Numbulwar Local Controller to obtain information.
What is the nature of the hazard?	<ul style="list-style-type: none"> Cyclone 	
Estimated duration of the potential evacuation?	<To be determined>	
Triggers for the evacuation	<p><Example</p> <ol style="list-style-type: none"> Evacuation <i>planning</i> to commence when the Location is under a "Tropical Cyclone Watch". Implement evacuation if the Cyclone category is at severe and impact has caused major damage and disruption to all services. Elderly and vulnerable people are to be considered for evacuation during the "TC Watch" due to limited health services.> <p>Further details of the intra-community relocation plan are required.</p>	Regional Controller & NTES to confirm triggers.
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.	Numbulwar Local Controller
Responsibility for the coordination Stage 1	Regional Controller Local Controller	
Stage 2 – Warning of Evacuation		
Who has the authority to issue warnings?	Bureau of Meteorology will issue Tropical Cyclone advice and warnings.	Regional Controller to liaise with

	<p>All further public information will be approved by the Region 2 Regional Controller in consultation with the Public Information Group and NTES</p> <p>The Numbulwar Local Controller will coordinate the dissemination of community level information.</p>	Information Group and NTES
Process for issuing evacuation warnings and other information	<p>At community level, the Numbulwar 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, <u>at each declared stage of the Numbulwar LEP.</u></p> <p>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.</p>	Numbulwar Local Controller
When will warnings be issued (relative to the impact of the hazard)?	Immediately upon a decision to evacuate being made the Numbulwar LEC will commence coordinating residents to prepare for transport.	Numbulwar Local Controller
What information will the messages contain? (What do people need to know?)	<p>To be determined: considerations -</p> <ul style="list-style-type: none"> - 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 	<p>Numbulwar Local Controller</p> <p>Biosecurity & Animal Welfare Group liaison</p>
Responsibility for the coordination of stage 2	Local Controller / Regional Controller	
Stage 3 - Withdrawal		
Outline	<p>Three stage process;</p> <ol style="list-style-type: none"> a. Numbulwar residents to <Staging Area 1>; b. <Staging Area 1> to Airport c. Numbulwar Airport to <Location To be determined> d. <Evacuation centre to be determined> 	
Numbulwar Community to the Airstrip	<p><u>Lead – NTES/NTPOL</u></p> <p>Overview – the community will gather at the Numbulwar located at Numbulwar prior to being transported by community buses to the airstrip.</p> <ul style="list-style-type: none"> • 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: Walk? 	NTES / NTPOL
Assembly area	<p><u>Numbulwar</u></p> <p>Numbulwar will be utilised as an assembly point where people will be transported to after pick up from homes to await registration, buses and onward transport. This will also be the point where evacuee registration will take place. Basic services should be provided i.e. drinking water, information.</p> <ul style="list-style-type: none"> • Services to be provided: Red Cross • Coordinator: Red Cross • Other details: Evacuee Registration - NTPFES College staff 	NTES/NTPOL

	<p>onsite will have log on access to the Register.Find.Reunite system via the 3G network and hard copy registration forms should there be a network failure.</p> <ul style="list-style-type: none"> Residents will need to register at Numbulwar Club or Airport if (self-evacuating) to be permitted access to the evacuation centre at <location to be determined> 	
Numbulwar to <Location to be determined>	<p>Lead – NTES/NTPOL</p> <p>Example</p> <p>Lead – Transport Group</p> <p>Overview – Transport Group has identified commercial operators and the Police Air Section able to provide evacuation assistance.</p> <p>Total proposed air assets: _____.</p> <p>Commercial operators will be charging commercial rates for their services at a cost of (\$_____).</p> <p>The operation will begin at _____hrs with the first aircraft, leaving <To be determined> and arriving at Numbulwar at _____hrs.</p> <ul style="list-style-type: none"> The operation will continue throughout the day until all community members are evacuated. It is estimated that all community member can be evacuated by _____hrs (arriving in <To be determined>). 	NTES / NTPOL
< Location > Airport to Evacuation Centre <To be determined>	<p>Lead –Transport Group</p> <p>Example</p> <p>Overview – Buses (Buslink) will be on standby at <Location to be determined> Airport from _____am to receive passengers and continue throughout the day transferring to <To be determined> only, as required. Transport staff will be on the ground at <Location to be determined> Airport to marshal passengers on buses only. Buses to be arranged by the Transport Group. Evacuees will be collected from <Location to be determined> Airport and transported to the <Location to be determined>.</p> <p>A reception team provided by NT Police will meet evacuees and facilitate transport.</p> <ul style="list-style-type: none"> Details: to be determined Estimated time en-route: _____ minutes Estimated timeframe: possibly _____ hours, dependant on aircraft arrivals. Alternate transport options: _____ 	Transport Group
End point	<Location to be determined>	EOC / Welfare coordination
Transport of vulnerable members of the community	Medical Group to arrange transport of vulnerable people from the community to <Location to be determined>.	Medical Group
Registration and tracking	<p>Example</p> <p>Welfare Group to activate registration arrangements. Registration will be undertaken by NT Police and will occur at Numbulwar Club. Names of evacuees will be obtained prior to boarding buses.</p> <p>Where possible details of individuals and families self-evacuating to be obtained on arrival at the Numbulwar Airstrip. If persons are not registered as evacuees or self-evacuees they will not be provided access to the evacuation shelter.</p>	Welfare Group / NTPOL

Who will coordinate stage 3?	Regional Controller.	EOC coordination.
Stage 4 – Shelter		
Overview	An evacuation centre will be established at the <Location to be determined>. The <Location to be determined> will be the primary areas used.	
Alternate shelter options.	Where 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>.	
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
Roles		
• Director	CMC	CMC
• Deputy Director	DCF	Welfare Group
• Log./planning	EOC.	NTES / NTPOL
• Admin teams	EOC	CMC / Welfare Group
• Shift manager/s	To be confirmed – drawn from pool of trained DCF staff.	Welfare Group
• Welfare Team	To be confirmed	Welfare Group
• Facility Team	Selected staff will lead this and arrange any maintenance required using existing contractors.	
• Sport and Rec Team	To be confirmed	
• Medical Team	To be confirmed. 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 confirmed>	Public Health Group
• Transport Team	<To be confirmed>	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) Dept. of Chief Minister	
Who is responsible for developing a plan for the return?	Recovery Coordination in conjunction with IMT.	
• Transportation	To be confirmed.	
• Route/assembly points en-route	To be confirmed.	
• End point	To be confirmed.	
How will information about the return be communicated to evacuees?	To be confirmed.	
What information needs to be conveyed to the evacuated community members?	To be confirmed.	

Annex I: SITREP Template

SITUATION REPORT (SITREP)

SITREP NO:

Date:

Period covered:

From:

To:

AGENCY:

Created by:

Current Situation:

Objectives:

Present Key Issues:

Future Key Issues:

Recommendation(s):

Annex J: Summary of Response and Recovery Activities

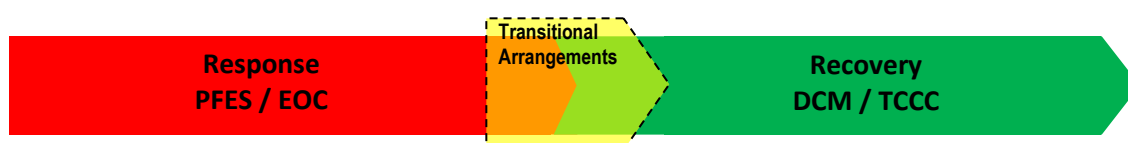
The following tables list a summary of possible response and recovery activities to be considered following an event.

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 produces many challenges, both foreseen and unpredicted. Response and Recovery Coordination must be flexible and able to adapt to the situation as it evolves.

This table is presented as a guide to assist emergency managers with operational decision making, planning and resource allocation. It also highlights the importance of Response and Recovery Coordination working collaboratively.

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	Survey and rescue teams Road clearance teams Impact assessment teams General public Media reports	<input type="checkbox"/> Continues in recovery through the use of impact assessments and Outreach
2. Public Information	Public Information Group stood up Spokes persons identified SecureNT activated	<input type="checkbox"/> Continues in recovery <input type="checkbox"/> Handover to long term recovery coordination
3. Survey and Rescue	Survey teams deploy to designated areas Critical sites surveyed Deploy rescue teams – NTFRS and TRS provide primary USAR capability	Nil
4. Road clearance	Road patrol teams deploy and check assigned routes Road clearance to priority sites Assess Stuart Hwy to Katherine (supply route)	Monitoring and completing road clearance activities
5. Emergency accommodation	Emergency accommodation and shelter - welfare assembly centres (WAC) - evacuation centres Provision of resources that will enable people to remain in their homes Emergency clothing	Evacuation centres may continue into recovery. Temporary accommodation options
6. Medical	Hospital - road clearance to the hospital - damage assessment - increase morgue capacity - divert patients from remote and regional areas - power (fuel) and water supplies Medical clinics and field hospitals - Determine the need for clinics to be	Hospital - Business continuity arrangements - Repair work Department of Health- Health Centres - Repair work - Reopen other clinics Support vulnerable people to return home. GP clinics and pharmacies - Ongoing liaison by the Medical Group

	<p>opened</p> <ul style="list-style-type: none"> - Assess damage to clinics - Deploy field hospital/s <p><input type="checkbox"/> Medical presence in WAC</p> <ul style="list-style-type: none"> - Supplied by the Medical Group <p><input type="checkbox"/> Ambulance pick up points on key, cleared roads</p> <p>GP clinics and pharmacies</p> <ul style="list-style-type: none"> - Identify GP clinics able to open - Identify pharmacies able to open <p>Medically vulnerable people</p> <ul style="list-style-type: none"> - Support agencies to follow-up and advise the Medical Group - Vulnerable people in shelters or WAC - Support for vulnerable people at shelters <p>Care Flight</p>	<p>CareFlight –resume normal operations</p> <p>St John Ambulance – resumption of core business</p>
7. Essential goods and services	<p>Establish emergency feeding and food distribution points</p> <p>Assessing the damage to suppliers and retailers of critical resources</p> <p>Assess the impact on barge operations and any effect on the ability to supply remote communities</p> <p>Implement interim banking arrangements</p>	<p>Encourage private business to reopen</p> <p>Monitor levels and availability of critical resources</p> <p>Manage logistics arrangements supplying resources to outlying communities</p> <p>Public Health inspections (food outlets)</p> <p>Banking sector business continuity arrangements</p>
	<p><u>Fuel</u></p> <p>Fuel suppliers and point of sale</p> <p>Manage fuel supplies to emergency power generation</p>	<p>Liaise with fuel suppliers, distributors and wholesalers. Monitor fuel levels</p> <p>Infrastructure repairs</p>
	<p><u>Cash</u></p> <p>Assess damage to banks and ATMs</p> <p>Implement temporary arrangements</p>	<p>Implement long term arrangements</p>
8. Evacuation	<p>Evacuations within community</p> <p>Evacuation out of community</p> <p>Registration</p>	<p>Support services for evacuees</p> <p>Recovery information for evacuees</p>
9. Public Health	<p>Communicable disease control response</p> <p>Drinking water safety standards</p> <p>Sewage and waste disposal</p> <p>Safe food distribution and advice</p> <p>Vector and vermin control</p> <p>Food and commercial premises</p>	<p>Ongoing in recovery</p>
10. Utilities	<p>Power supply</p> <p>Power generation</p> <p>Water supply</p> <p>Sewerage</p> <p>Emergency sanitation</p>	<p>Recovery of the power network</p> <p>Recovery of water and sewerage infrastructure</p>
11. Impact Assessments	<p>Training assessment teams</p> <p>Initial Impact Assessments</p>	<p>Secondary Impact Assessments</p> <p>Continued assessments through outreach</p>
12. Transport infrastructure (supply lines)	<p><u>Air (Airport/Airstrip)</u></p> <p>Clear the runway to allow air movements</p> <p>Establish a logistics hub at the airport</p> <p>Terminal damage and operational capability assessment</p>	<p><input type="checkbox"/> Monitor repairs and business continuity activities</p>
	<p><u>Road</u></p> <p>Highway and critical access roads damage assessment</p> <p>Repair work to commence immediately</p>	<p>Planning and prioritising repair work of all affected key Territory Highways (Stuart, Barkly, Victoria and Arnhem)</p>
	<p><u>Rail</u></p>	

	Ask rail operator to assess damage to the railway & associated infrastructure and report outage estimation	<input type="checkbox"/> Liaising with GWA and Australasia Rail to monitor repair work
	<u>Port, Harbour and Barge</u> Assess damage to Port infrastructure and harbour facilities Assess the damage to barge facilities	Repairing infrastructure 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
14. Repairs and reconstruction	Private housing - Impact Assessments - Temporary repairs <input type="checkbox"/> Government buildings - Damage assessment <input type="checkbox"/> Public Housing - Impact Assessments <input type="checkbox"/> Private Industry - Damage assessments	Private housing - Information and support to facilitate repairs. <input type="checkbox"/> Government buildings - Repairs and reconstruction <input type="checkbox"/> Public Housing - Long term repair plans <input type="checkbox"/> Private Industry - Repair and reconstruction <input type="checkbox"/> Temporary accommodation for a visiting construction workforce
15. Transport Services	Staged re-establishment of public transport services	Continues in recovery
16. Tele-communications	Telstra and Optus will assess the damage to their infrastructure Put in place temporary measures to enable landline and mobile services	Repair damage networks and infrastructure
17. Public safety	Police will maintain normal policing services to the community	Gradual return to core business
18. Pets	Temporary emergency arrangements for pets.	Reunite pets with their owners and cease emergency support arrangements
19. 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

Annex K: Contact Details

Position/Functional Group	Name	Email address	Work	Mobile	After Hours
Local Controller	OIC Numbulwar Police	Josh.Munday@pfes.nt.gov.au	08 8975 4183	██████████	131444 / 000
NTES Duty Officer	Duty Officer	territorydutyofficer.ntes@pfes.nt.gov.au		██████████	
NTES Area Manager	Dave Travers	David.Travers@pfes.nt.gov.au	08 8922 3902	██████████ ██████████	██████████ Sat
Health Centre Manager	Rhonda Golsby-Smith	Numbulwar.ClinicMgr@nt.gov.au	08 8975 4670	██████████	██████████ ██████████ Sat
Numbulwar Council Service Manager (RGRC)	Christine 'Lulu' Smith	Christine.Smith@ropergulf.nt.gov.au	08 8975 4675	██████████ ██████████	
Numbulwar Council Services Coordinator (RGRC)	John Terepo	John.Terepo@ropergulf.nt.gov.au		██████████	
Big Rivers Recovery Coordinator	Will Bridgeman	william.bridgeman@nt.gov.au	08 8973 8518	██████████	
School Principal	Cheryl Dwyer	cheryl.dwyer@ntschoools.net	08 8975 4650	██████████	
Power Water	Troy Hayes	Mick1805@hotmail.com	1800 245 090	██████████ ██████████	
Govt Engagement Coordinator	Reg Walker	Joyce.Torres@network.pmc.gov.au	08 8975 4968	██████████	
Homelands Manager	Bob Burrows	numbulwarhomelands2@bigpond.com	08 8975 4005	██████████	██████████ Sat
Rangers	Trevor 'Harry' Dennis	Samuel.hughes@nlc.org.au	██████████	██████████	██████████
Numbirindi Store (ALPA)	Hoang Nguyen	Numburindi@alpa.asn.au	08 8975 4083	██████████	██████████

					████████ Sat
NIAA	Kathy Ann Numamurdirdi	'kathy-anne.numamurdirdi@official.niaa.gov.au	████████		
CDP	Kristine Maholland		████████		
Numbulwar Council Service (RGRC)	Amanda Ngalmi	Amanda.ngalmi@RoperGulf.nt.gov.au	████████	████████	
Newtown Store	Derrick Lim	Newtown-store@bigpond.com	08 8975 4084	████████ ████████	████████ Sat ████████

Annex L: Debrief

1. The purpose of this Annex is to provide a framework for a debrief process which complements the Whole of Government Debrief Process. The process should not be confused with training or exercise evaluations but rather considered as a lessons learned opportunity. Lessons learned leads to improved operational effectiveness, increased cost efficiency and reduced operational risk.
2. The Debrief Process embeds continuous improvement into the delivery of activities pursuant to the Territory Emergency Plan (TEP). Consistent approaches to lessons learned will encourage adaptability, and flexibility across all functional areas; sharing of knowledge and experiences will assist with ongoing continuous improvement of people and organisations.
3. Implemented judiciously, a lessons learned approach can have a positive impact on organisational culture commensurate with increasing opportunities to achieve goals. Whilst lessons learned often begins in one organisation through an internal debrief processes, those lessons learned are often transferable across multi-agencies; this Whole of Government Debrief Process and Lessons Management aims to ensure learnings are translatable across multiple organisations.
4. One of the most critical steps in the lessons management is the collection of information and observations of persons involved in the operation. The collection of this information is not limited to persons involved in the operation itself or the actions of those who provided a response, but includes those who had involvement prior to including the promulgation and implementation of plans (as lessons to be learned is not limited to how an emergency was managed but also includes the planning processes).
5. Debriefing is more than simply producing a report at the end of an operation. It forms part of the broader process of learning and has significant influential impact on an agency and sensitises people into doing the right thing. It prevents confusion and misinterpretation for future operations and drives home the main reasons the agency implores a lessons management system – to ensure that the agency learns from their mistakes and what they do well and drives continuous improvement.
6. Debriefs are not about distributing blame, but rather shifting focus towards improving capacity and capability to respond to incidents in a way that reflects improved planning, process, technology, support, training and development. The inevitability that exists with decisions made on a risk based approach carries a certain level of accepted risk and this needs to be taken into account when debriefing.
7. During any operation, anyone involved in the operation should be recording activities where there are lessons to be learned; activities can include decision making and consequential responses.
8. Where decisions are made by an Incident Management Team member or a Functional Group Leader, those decisions should be recorded in the Decision Log in the WebEOC event. Decision Logs can be referred to as part of the debrief process.
9. A Hot Debrief is held immediately after the incident response is complete or when a person concludes their shift in response to the incident. It allows rapid capture of real-time feedback aimed at addressing pressing or immediate concerns. This is a key time to address any health or safety issues and provides an opportunity for instant feedback.
10. The Hot Debrief will be fed into the Whole of Government Debrief Process and Lessons Management. For the purpose, the following template is to be used and uploaded to WebEOC.

RECORD OF DEBRIEF

Operation / event: _____

Date	
Time	
Location debrief held	
Operation background (provide succinct detail of sequence of events)	
What went well	
What could have been done better	
What opportunities are there for improvement	
Did the agency have sufficient capacity / capability	
Other related issues that contributed to the execution of the operation	
Open discussion points	
Action items arising and whom will monitor	
Are there any staff welfare concerns	
Are there staff that deserve recognition - detail of whom and why	

Annex M: Glossary

Term	In the context of this plan, this means:
All Hazards Approach	The application of one set of control, coordination and communication policies and procedures in a universal manner to emergency situations of varying type thereby promoting consistency of emergency management at all levels.
Affected area	A particular area where either an emergency situation, state of emergency or state of disaster exists.
Approved emergency plan	Means a plan approved under section 10930, 13(2), 16(2) of the Act.
Authorised Officer	Person or persons authorised under section 98 of the Act.
Chief Executive	The appointed position that leads the governance and management of a service responsible for the effective exercise of the relevant statutory powers, authorities, duties and functions consistent with the NT government policy.
Command	The authority to command is established in legislation or by agreement with agency/organisations. Command relates to agencies/organisations, functions and individuals. Situations are controlled.
Comprehensive approach	The development of emergency and disaster arrangements to embrace the aspects of prevention, preparedness, response, and recovery (PPRR). PPRR are aspects of emergency management, not sequential phases. <i>Syn.</i> 'disaster cycle', 'disaster phases' and 'PPRR'. Source: AEM Glossary
Control	The overall direction of activities, agencies or individuals concerned (source; SERM Act). Control operates horizontally across agencies / organisations, functions and individuals. Situations are controlled.
Controlling Authority	The authorised agency which has the overall direction of activities, agencies or individuals concerned.
Coordination	The bringing together of agencies and individuals to ensure effective emergency and rescue management but does not include the control of agencies, organisations and individuals by direction. Source: SERM Act.
Debrief	A meeting held during or at the end of an operation with the purpose of assessing the conduct or results of an operation.
Delegate	A person nominated to act as the representative of an officially appointed position holder, having the same powers and authority to commit the resources of the official employee.
Emergency	Means an event that requires significant coordinated response using the combined resources of the territory and non-government entities within the Territory.
Emergency Management Act	A Bill for an Act to provide for matters relating to emergency management and for related matters.
Emergency Situation	Exists in an area once a declaration to that effect is declared by the minister

	under section 3 of the Act.
Functional Group	These responsibilities are laid out in functional plans and the Territory Emergency Plan.
Group Leader	The individual allocated responsibility to prepare for, respond to and command and control a functional group in response to a specific hazard based on their legislated and or technical capability and authority.
Lead agency	An agency allocated responsibility to prepare for and respond to a specific hazard based on their legislated and/or technical capability and authority.
Hazard Management Authority	The agency allocated responsibility to prepare for and respond to a specific hazard based on their legislated and/or technical capability and authority.
Participating organisations	Agencies which provide a supporting role in preparing and responding to a specific hazard based on their legislative and/or technical capability and authority.
Preparedness	<p>Arrangements to ensure that, should an emergency occur, all those resources and services which are needed to cope with the effects can be efficiently mobilised and deployed.</p> <p>Measures to ensure that, should an emergency occur, communities, resources and services are capable of coping with the effects. <i>See also</i> comprehensive approach.</p> <p>Source: AEM Glossary.</p>
Prevention	<p>Regulatory and physical measures to ensure that Emergencies are prevented, or their effects mitigated. Measures to eliminate or reduce the incidence or severity of emergencies. <i>See also</i> comprehensive approach.</p> <p>Source: AEM Glossary.</p>
Recovery	<p>The coordinated process of supporting emergency-affected communities in reconstruction of the physical infrastructure and restoration of emotional, social, economic and physical wellbeing. <i>See</i> comprehensive approach.</p> <p>Measures which support emergency-affected individuals and communities in the reconstruction of the physical infrastructure and restoration of emotional, economic and physical well-being.</p> <p>Source: AEM Glossary.</p>
Region	Means a region specified in a Gazette notice under section 27 of the Act.
Regional Controller	For a region, means the Regional Emergency Controller for the region mention in section 54 of the Act.
Response	<p>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.</p> <p>Measures taken in anticipation of, during and immediately after an emergency to ensure its effects are minimised. <i>See also</i> comprehensive approach.</p> <p>Source: AEM Glossary.</p>
Responsibilities	The state or fact of being responsible, answerable, or accountable for something within one's power, control, or management. (Dictionary.com)

Risk	The effect of uncertainty or objectives. (ISO Guide 73.2009 Risk management – Vocabulary)
Risk Identification	The process of finding, recognising and describing risks (ISO Guide 73.2009 Risk management – Vocabulary).
Stand down	Transition from responding to an event back to normal core business and/or recovery operations. There is no longer a requirement to respond to the event and the threat is no longer present.
Stand up	The operational state following “lean forward:” whereby resources are mobilised, personnel are activated and operational activities commenced. Disaster coordination centers are activated.
State of Disaster	Means a state of disaster declared under section 21 of the Act.
State of Emergency	Means a state of emergency declared under section 19 of the Act.
Volunteer member	Means a member of the NTES appointed under section 52 of the Act.
Vulnerability	The conditions determined by physical, social, economic and environmental factors or processes, which increase the susceptibility of a community or persons to the impact of hazards (National Emergency Risk Assessment Guidelines).
Territory Controller	Means the Territory Emergency Controller mentioned in section 28 of the Act.
Territory Emergency Management Council	The management council is established under the terms laid out in Division 4 of the Act.
Territory Recovery Coordinator	Means the Territory Recovery Coordinator mentioned in section 32 of the Act.
WebEOC	WebEOC is a critical information management system used throughout the Northern Territory. It is used by agencies that have roles and responsibilities under the NT Emergency Management Act during prevention, preparation, response and recovery phases of any emergency.

Annex N: Acronyms

Acronyms	
ABC	Australian Broadcasting Corporation
AIIMS	Australasian Inter-Service Incident Management System
AMSA	Australian Maritime Safety Authority
ANZ MEC	Australia and New Zealand Management Committee
AusSAR	Australian Search and Rescue
CASA	Civil Aviation Safety Authority
CAVDISPLAN	Australian Government Aviation Disaster Response Plan
COAG	Council of Australian Government
COMDISPLAN	Australian Government Disaster Response Plan
DCIS	Department of Corporate and Information Services
DCM	Department of the Chief Minister
DGEMA	Director General Emergency Management Australia
EA	Emergency Alert
EH	Environmental Health
EMA	Emergency Management Australia
EOC	Emergency Operations Centre
FERG	Fire and Emergency Response Group
MTSA	Maritime Transport and Offshore Facilities Security Act 2003
NCCTRC	National Critical Care and Trauma Response Centre
AGCCC	Australian Government Crisis Coordination Centre
NERAG	National Emergency Risk Assessment Guidelines
NSDR	National Strategy for Disaster Resilience
NTES	Northern Territory Emergency Service
NTFRS	Northern Territory Fire and Rescue Service
NTG	Northern Territory Government
NTICS	Northern Territory Incident Control System
NTPFES	Northern Territory Police Fire and Emergency Services
PFES	Police, Fire and Emergency Services
POC	Point of Contact
PPRR	Prevention, preparedness, response and recovery
RCC	Rescue Coordination Centre
SEWS	Standard Emergency Warning Signal
TEMC	Territory Emergency Management Council
WAC	Welfare Assembly Centres