

EARTHQUAKE MANAGEMENT POLICY

Earthquakes are a unique encounter in Australia. They are unpredictable and transpire without warning. Australia is located away from tectonic plate boundaries where large earthquakes occur more frequently. However, Australia can still experience potentially damaging earthquakes, which are caused by the sudden release of stress that slowly builds up across the plate as it moves northeast. To ensure the safety of children, educators, staff and families, education and care services should be prepared for earthquakes, minimising risks and implementing explicit management strategies if required.

NATIONAL QUALITY STANDARD (NQS)

QUALITY AREA 2: CHILDREN'S HEALTH AND SAFETY		
2.2	Safety	Each child is protected.
2.2.1	Supervision	At all times, reasonable precautions and adequate supervision ensure children are protected from harm and hazard
2.2.2	Incident and emergency management	Plans to effectively manage incidents and emergencies are developed in consultation with relevant authorities, practised and implemented.
QUALITY AREA 7: GOVERNANCE AND LEADERSHIP		
7.1.2	Management Systems	Systems are in place to manage risk and enable the effective management and operation of a quality service
7.1.3	Roles and responsibilities	Roles and responsibilities are clearly defined, and understood, and support effective decision-making and operation of the service.

EDUCATION AND CARE SERVICES NATIONAL REGULATIONS	
12(d)	Meaning of a serious incident- any emergency for which emergency services attended
97	Emergency and evacuation procedures
98	Telephone or other communication equipment
99	Children leaving the education and care service premises
168	Education and Care Services must have policies and procedures
170	Policies and procedures are to be followed

RELATED POLICIES

Acceptance and Refusal Authorisation Policy Delivery of Children to and Collection from Education and Care Services Premises Policy Emergency and Evacuation Policy Family Communication Policy	Health and Safety Policy Incident, Injury, Trauma and Illness Policy Lockdown Policy Retention of Records Policy Supervision Policy
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DEFINITION

An earthquake is a shaking of the surface of the Earth's crust. They strike without warning and can vary in severity. Earthquakes are the result of a sudden release of stored energy in the Earth's crust that creates seismic waves. The severity of an earthquake is measured using the Richter Scale.

Over the last 80 years, there has been 17 earthquakes registering 6 or more on the Richter Scale.

PURPOSE

Preparing for an earthquake requires our Service to learn what should be done before, during and after an earthquake in order to minimise the risk of children and staff being injured.

SCOPE

This policy applies to children, families, management, Approved Provider, Nominated Supervisor and visitors of the Service.

IMPLEMENTATION

Management will ensure that the Service is as 'earthquake safe' as possible by having clear strategies and procedures in place for implementation before, during and after the earthquake. **(Based on geographical location, earthquake history and general logic, adopting the following procedures will be at the discretion of Service Management.)** This policy reminds educators, staff, volunteers and students of the procedure to follow in the event of an earthquake emergency.

BEFORE AN EARTHQUAKE

Preparing for an earthquake will help reduce damages to the Service's structure and prevent injuries to children, families and staff.

THE APPROVED PROVIDER/MANAGEMENT AND EDUCATORS WILL:

- ensure emergency and evacuation policies and procedures are available for inspection at the Service's premises at all times
- conduct Earthquake drills in accordance with the Emergency Evacuation Calendar. The drills will be conducted on different days over the week, ensuring that all children participate in the drill. The earthquake drills will be recorded using the *Emergency Evacuation Rehearsal Record* and discussed at team meetings to ensure continuous improvement.
- emergency evacuation rehearsals (drills) will be practiced *every three months*, including identifying safe places within the Service to go with the children in case of an earthquake
- the drills will be conducted on different days over the week, ensuring that all children participate in the drill
- earthquake drills will be recorded using the *Emergency Evacuation Rehearsal Record* and discussed at team meetings to ensure continuous improvement
- ensure families are informed when an emergency evacuation rehearsal or drill has occurred
- ensure each room has an *Emergency Evacuation Bag* located in a prominent position
- regularly audit and restock *Emergency Evacuation Bags*
- ensure emergency evacuation plans are displayed in prominent positions near each exit and in the indoor and outdoor learning environments
- ensure all educators, including casual/relief educators and staff members, are familiar with our *Earthquake Management Policy*, procedures and regulatory requirements
- ensure new staff, volunteers and students are provided with information and training about our *Earthquake Management Policy* and procedures during induction
- ensure Emergency Contact numbers are displayed in a prominent position within the Service
- practice **DROP, COVER** and **HOLD** or **DROP AND BE TURTLE SAFE**-with children
- Drop, Cover and Hold or Drop & be a Turtle safe involves children learning to:
 - Drop on your hands and knees, cover your head and neck with your arms, crawl only as far as needed to reach cover from falling objects
 - Hold onto any durable furniture until the shaking stops and you are told it is safe to come out by an adult
- identify safe places within the Service to go with the children when an earthquake strikes
 - a) This may be a strong table that you can hold on to the table legs to keep it from moving away and assist in protecting the children and yourselves
 - b) Next to an interior wall, away from windows that can shatter cause injury
 - c) Ensure it is a place that is away from tall furniture that can fall
- check the Service insurance policy to ensure earthquake inclusion

- seek qualified advice to ensure the Service building is compliant
- ensure shelving is secured to the wall and open shelving has 'lips' to prevent equipment sliding off during an earthquake
- ensure equipment is stored securely and safely
- conduct annual risk assessments to identify, monitor and eliminate any hazards that may occur during an earthquake

DURING AN EARTHQUAKE

When an earthquake begins it will happen suddenly with rapid shaking. Management, educators and children are to immediately apply what they have practiced during the drills.

MANAGEMENT AND EDUCATORS WILL

- Call 'EARTHQUAKE – DROP, COVER & HOLD or DROP AND BE A TURTLE'
- Assist children to get into the correct position

If inside – move away from windows, heavy objects or shelves.

- Drop Cover and Hold preferably under a sturdy table
- keep clear of windows and overhead fittings

If outside – move away from trees, powerlines, building and then Drop, Cover and Hold

- Drop to the ground
- Cover your head and neck with arms and hands
- Hold on until the shaking stops
- Protect babies with your body or mattresses if available
- Once the shaking stops and management has confirmed it is safe, educators and children will be given the 'ALL CLEAR'

AFTER AN EARTHQUAKE

Once the shaking has ceased, management and educators need to begin implementing a recovery plan as you prepare for the chance of any aftershocks occurring.

MANAGEMENT AND EDUCATORS WILL:

- stay calm and reassure children
- evaluate the need to evacuate if there are fires, gas leaks or other structural damage that requires immediate evacuation

- call 000 for Emergency Services and seek and follow advice
- implement *Emergency Evacuation Procedures*
- if evacuation is required, move to a safe location and be aware of hazards
- check attendance list for children, staff and visitors
- contact parents if evacuation is required
- turn off electricity, gas and water. Check water, gas and electric lines for damages. If any damages are present, turn off the water and electricity
- assess any injuries that may have occurred and provide first aid
- do not run outside, unless evacuation of the building is needed due to damage
- report any damages to Emergency Services
- turn on the radio and listen as Emergency Services will broadcast the most appropriate advice for the Service
- stay out of the Service building if it is damaged and unsafe
- following the emergency evacuation, an *Emergency Evacuation Incident Report* and an *Incident, Injury, Trauma and Illness Record* will be completed
- the approved provider will make a notification of a serious incident to a regulatory authority (within 24 hours) through the [NQA IT System](#) when emergency services have attended an education and care service in response to an emergency, rather than as a precaution or for any other reason

DEALING WITH TRAUMA

Emergencies and natural disasters are extremely stressful, and it is normal for children and adults to feel overwhelmed and distressed. People cope with trauma in many different ways. Children look to adults for reassurance, care and opportunities to share their feelings. It is important for educators to understand the impact of disasters and seek help when needed.

The Approved Provider/Nominated Supervisor will support educators to provide information to parents and families following any emergency or natural disaster including:

- will the service be open in the days and weeks ahead?
- how to find alternative care and education
- how to contact services for support with dealing with trauma

Several organisations offer support for educators in these situations:

[Emerging Minds](#)

BeYou- [Trauma informed practice](#)

[BeYou Educator Wellbeing after a natural disaster](#)

PREPARING FOR AN EMERGENCY

Australian Government Department of Education Resources

<https://www.education.gov.au/child-care-package/help-emergency>

Australian Government Bureau of Meteorology <http://www.bom.gov.au/>

CONTINUOUS IMPROVEMENT/REFLECTION

The *Earthquake Management Policy* will be reviewed on an annual basis in conjunction with children, families, staff, educators and management

SOURCE

Australian Children's Education & Care Quality Authority. (2014).

Australian Government Department of Education (2020). Help in an emergency

Australian Government – Emergency Services: <http://www.australia.gov.au/information-and-services/public-safety-and-law/emergency-services>

Australian Government – Geoscience Australia

<http://www.ga.gov.au/news-events/news/latest-news/australian-earthquakes-explained>

[Education and Care Services National Regulations](#). (2011).

Guide to the Education and Care Services National Law and the Education and Care Services National Regulations. (2017).

New Zealand Government Get Ready ShakeOut

<https://www.shakeout.govt.nz/how/schools/>

Queensland Government Emergency services and safety <https://www.qld.gov.au/emergency/dealing-disasters/disaster-types/earthquakes>

Revised National Quality Standard. (2018).

Work Health and Safety Act 2011.

[Western Australian Education and Care Services National Regulations](#)

REVIEW

POLICY REVIEWED BY	TRACEY DAVEY	OPERATIONS MANAGER	JANUARY 2023
POLICY REVIEWED	JANUARY 2023	NEXT REVIEW DATE	JANUARY 2024
VERSION NUMBER	V5.01.23		
MODIFICATIONS	<ul style="list-style-type: none"> Sources checked for currency Minor edits throughout policy Additional information regarding emergency drills to be conducted every 3 months (reg 97) 		

	<ul style="list-style-type: none"> • Additional section added for Continuous Improvement • link to Western Australian Education and Care Services National Regulations added in 'Sources' 	
POLICY REVIEWED	PREVIOUS MODIFICATIONS	NEXT REVIEW DATE
JANUARY 2022	<ul style="list-style-type: none"> • policy reviewed as part of annual review cycle • additional resource added for trauma • source checked for currency 	JANUARY 2023
JANUARY 2021	<ul style="list-style-type: none"> • Minor additions to policy to align to Emergency Evacuation Policy • additional sections- Dealing with Trauma and Preparing for an Emergency • sources checked for currency • further sources added 	JANUARY 2022
JANUARY 2020	<ul style="list-style-type: none"> • Additional information added to introduction • Relevant Quality Area elements added • Procedure edited and additional information added • Sources checked for currency 	JANUARY 2021
DECEMBER 2018	<ul style="list-style-type: none"> • New Policy created outlining what Services are to do before, during and after an earthquake 	JANUARY 2020