

ASBESTOS: the next national plan

Proactivity, prevention, planning

Workshop 3

Disaster planning and new legislation



   #2018ASEACONF



Australian Government
Asbestos Safety and Eradication Agency



Disasters to Opportunities

How 2 major events influenced the future of asbestos regulation and compliance in New Zealand

- *Pike River Mine Disaster*
- *Canterbury Earthquakes*

Rob Birse - WorkSafe New Zealand



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Pike River Mine – 19 November 2010



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Pike River Mine – a catalyst for change

- Royal Commission of Inquiry report (October 2012)
- Independent task force on Workplace Health and Safety (April 2013)
- Working Safer- A government blueprint for change



Pike River Mine – a catalyst for change

- WorkSafe New Zealand – a new stand alone Crown entity
- Health and Safety at Work Act (HSWA) – and asbestos Regulations
- Statement of intent – Targeting risk, specifically work related health and a reduction in asbestos related diseases



Canterbury Earthquakes – 22 February 2011



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Canterbury Earthquake – a catalyst for change

The initial recovery:

- A lack of good asbestos management practices
- A lack of understanding of asbestos risk



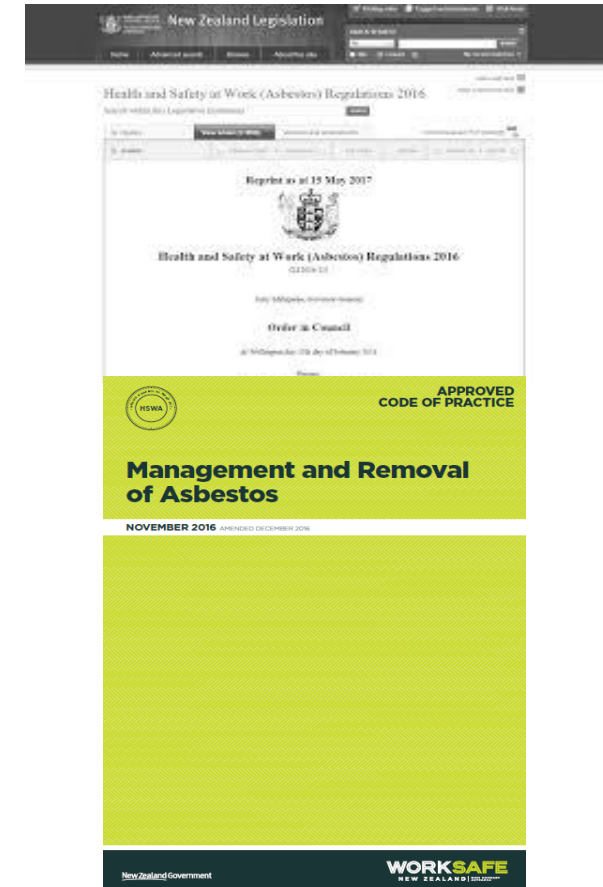
The initial mitigation:

- Canterbury Rebuild H&S Programme
- Canterbury Safety Charter
- Engagement and education in asbestos awareness and processes



Canterbury Earthquakes – a catalyst for change

- Health and Safety at Work (Asbestos) Regulations 2016
- ACOP Management and Removal of Asbestos (Nov 2016)
- Implementation of the regulatory framework
- Certificates and Registration Team (administering the new licencing regime)



Implementation of the Regulatory Framework

A new asbestos licencing Regime – based on the Australian model regulations

- Licences are issued for class A or B asbestos removal or asbestos assessor work
- The Licence holder is required to notify asbestos removal to WorkSafe
- Licences are valid for 5 years
- WorkSafe has the power to suspend or cancel a licence
- WorkSafe has the power to impose conditions upon a licence
- Transitional provisions



Implementation of the Regulatory Framework

Practice checks for class A supervisors:

- WorkSafe has made checks of supervisor competence a requirement for renewal of the Class A asbestos removal licence
- Undertaken by an inspector trained in asbestos removal
- Check is done based on adequacy of:
 - Preparation
 - Actual removal
 - Dismantling and disposal

Implementation of the Regulatory Framework

Licence holders had until 4 April 2018 to meet:

- New *asbestos* removal training standards for supervisors
- The requirement to have a certified safety management system in place
- Those who failed to meet these provisions were subject to enforcement action of either:
 - A directive letter outlining requirements to be met within a timeframe,
 - Receiving a letter proposing to suspend their asbestos licence



Implementation of the Regulatory Framework

Result of enforcement actions taken:

Status as at 30 September 2018	Class A Licence Holders	Class B Licence Holders	Total Licence Holders
Met Transitional Provisions	93	106	199
Received Directive Letter	43	35	78*
Voluntary Surrender of Licence	19	9	28
Licence suspended	30	27	57

All but 2 of the initial directive letters have since resulted in another outcome



Asbestos Protocols

Purpose of the Protocol

Reducing health risks of asbestos exposure

and

Increasing public confidence of asbestos incident management

through

Effective liaison between agencies in response to asbestos-related enquiries and incidents

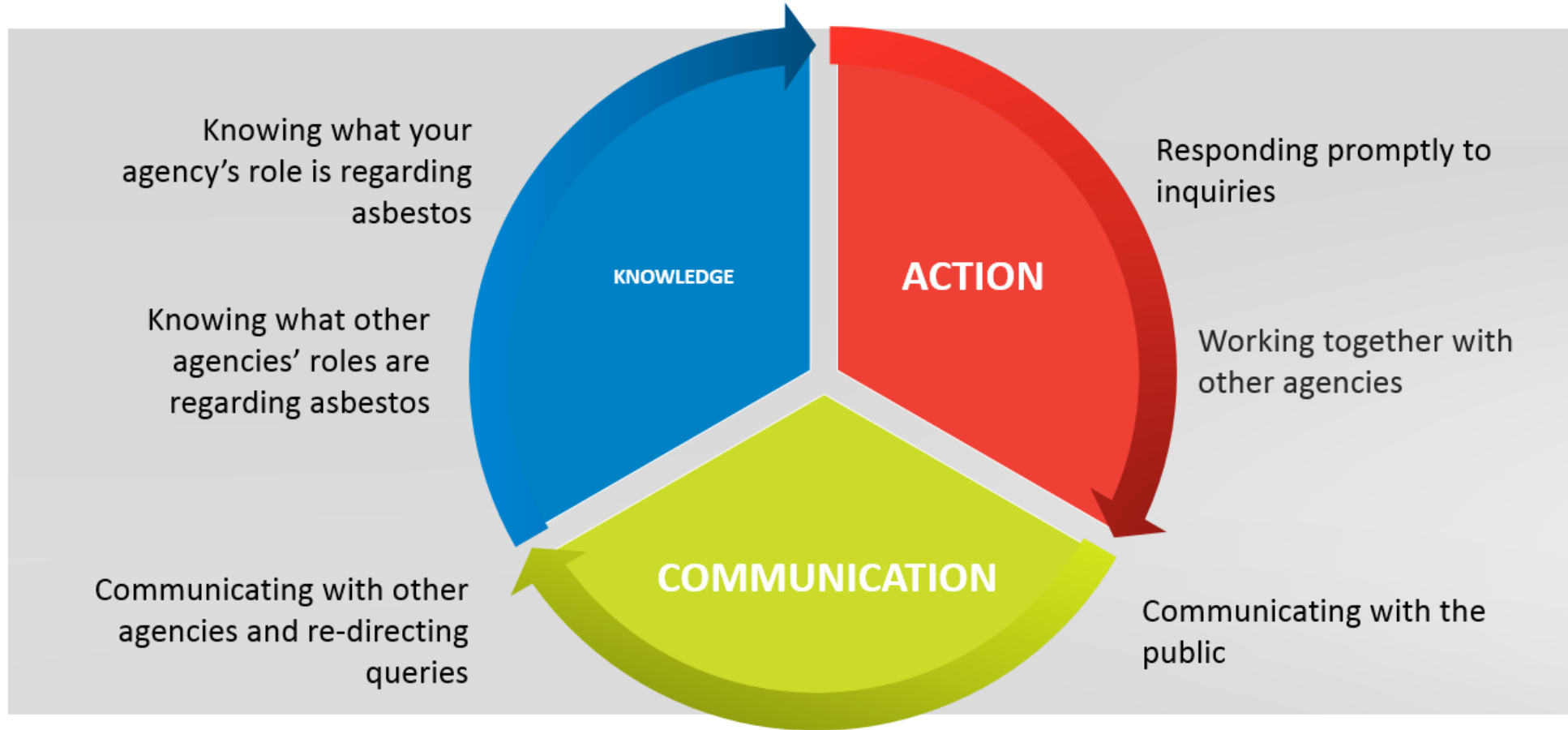


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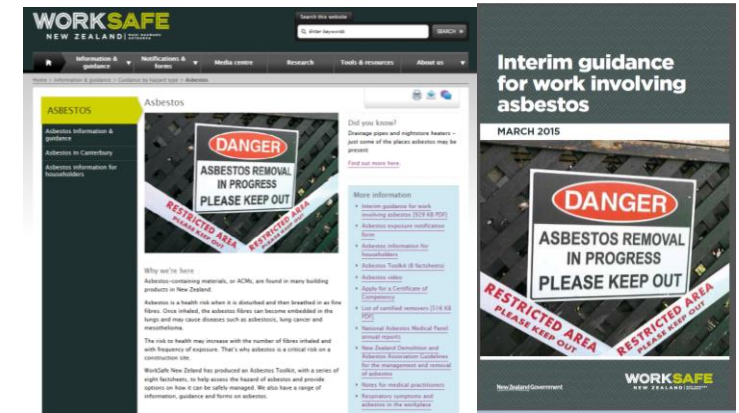
Asbestos Protocols

Integrating knowledge, communication & action



WorkSafe's current asbestos activities

- Assessments and investigations
- Certification
- Guidance (publications) and education
- Occupational health targets
- Prosecutions



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From Disaster to Opportunity

Following the Pike River Mine disaster and the Canterbury Earthquakes the opportunities taken to improve New Zealand's health and safety system and the safe management of asbestos have been huge –

The key drivers for change and harm prevention have been:

- Leadership
- Risk management
- Worker engagement

Thank you



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Prevention and managing asbestos contamination in the Emergency sector

Robert Purcell, Assistant Chief Fire Officer,
Metropolitan Fire Brigade Melbourne



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Greater Melbourne



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Protecting our People



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What is the risk?



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Operating Environment Hazards



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Operating Environment Hazards



What we thought we'd done to control the risks

Hierarchy of control principles:

- ☹️ Elimination
- ☹️ Substitution
- ☹️ PPE

- 😊 Engineering Controls
- 😊 Administrative Controls



What we actually found



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Timeline of Actions



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What we needed to do

Panaboard

M T W T F S S M T W T F S S
B B A A D D C C B B A A D D

"It won't be like H/Wood"
MB.

What if?

- All the sets are unusable?
 - CRA Step up - Where do you put them? - What are the arrangements?
 - Fleet reduction: - What's the trigger point? - Is a BA non capable appliance available for other calls? E.g. EMR capable.
 - What trucks go off line? - e.g. WT off line. (24 sets)
- If a truck can't make it to Boongalla? → (w/ BOONGALLA COME TO INCIDENTS? → A/H)
 - Reserve truck = who's next in the queue?
 - There'll be a plan (appliances) there'll be a "reserve" nominated to take it's place (ops cmdr to enact)
- Tertiary level contamination - e.g. VENTC BA room - How do we deal with that? (ops cmdr to enact)
 - What's the re-instatement plan? For appliances attending Asbestos incidents?
 - Clearance Monitor FS38 BA storage room
 - W/Shops trucks once cleaned e-mail H. Braid → forward to Geoff Vowett.
 - Car 158 @ SCANIA Campbellfield sub tested Tues. 5/8/14 am.
 - Stand down Oliver Cassar Mon. 3 Tues Night.
 - Stickers for cleaned cabin/compartment + BA+
 - BA Recruiting Officer's Spread Sheet needs amending.

Drager

- No capacity at present to supply sets or parts
- Weekend work? RP to ask B/Galla \$?
- EMR vs cert appliances
 - They're here at Burnley. Do we send to B/Galla.
- They are only 3 reserves available at present.
- Boongalla group
 - Can they increase their capacity?
- Monitor movement of appliances from project team.
- monitor asbestos calls
- Create practice note for IMT personnel coming into the cell.
 - Delegations etc
 - role descriptions.
- BA fill pod?

MB

Possible attendance on Mon. 11/8/14 To be reviewed.

What we did – day one



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Day 2 and beyond



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Stakeholders:

Chief Officer and Executive Officers
MFB Executive Leadership Team
Employees representative - Firefighters
HSR's - Station Officer
Operational Training
Operations Improvement
Operations Advisor
BA Service Department
Employee Assistance Program

Occupational Hygienist
Scientific Advisor
Legal
Cleaning Company
Brigade Medical Officer
Country Fire Authority
Victoria Police
Ambulance Victoria

Incident (Project) Management Team (IMT)

Incident Controller
Operations
Logistics Officer
Planning Officer
Communications Advisor
Workplace Health and Safety Representative
Site cleaning - Coordinators x 2
Incident/ project secretariate



30 days of work



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Complete

- Ensure adequate staffing numbers for incident taking into account BA procedures and decontamination requirements
- Keep suspected asbestos containing material damp and intact minimising disturbance
- Appoint a Decontamination Officer. All personnel, equipment and vehicles are to be decontaminated onsite
- Ensure decontamination team utilise P2 masks carried on all primary appliances



Asbestos risk level and notification

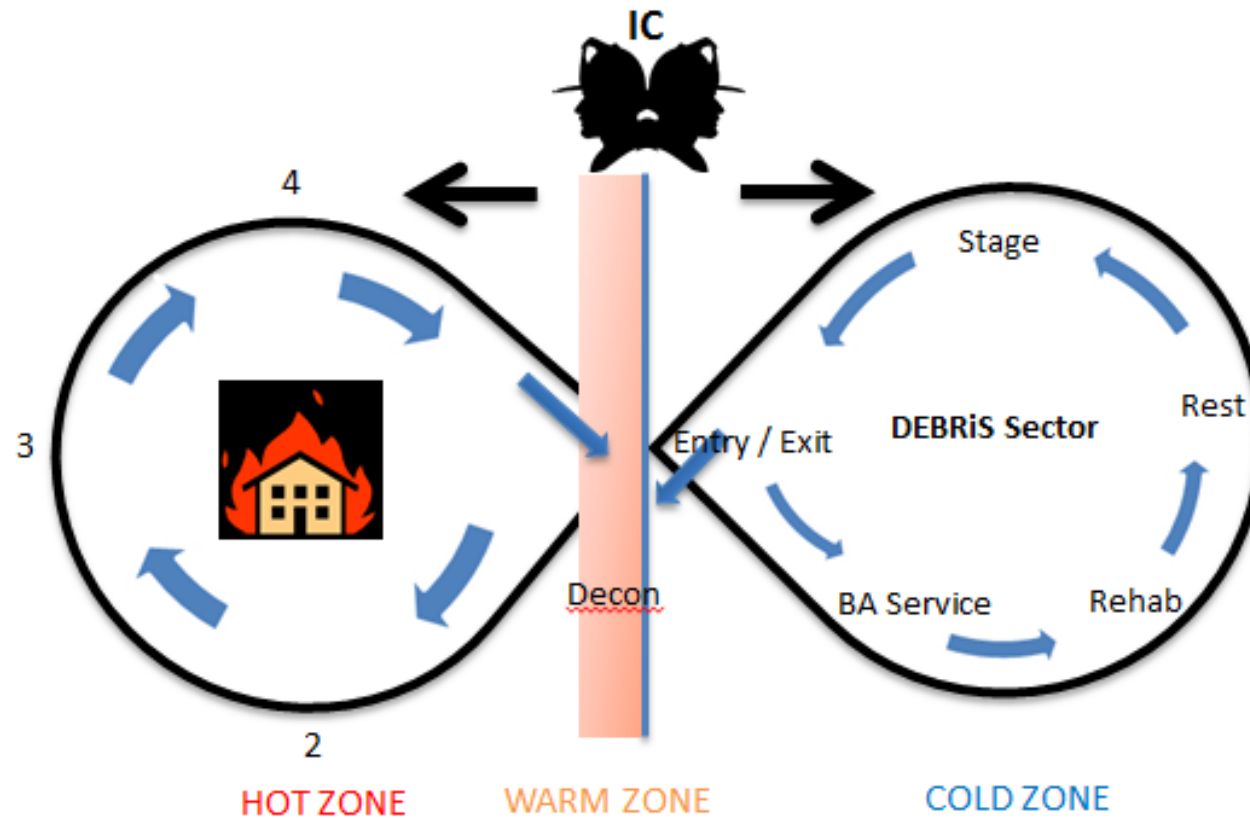
Notifications where asbestos is suspected or confirmed are as follows.

Level	Description	Notification
1	Where a small amount of asbestos has been impacted in an isolated area and/or Minimal personnel are potentially exposed to asbestos (i.e. up to 4 people).	Incident Controller actions: <ul style="list-style-type: none"> • Notify all attending crews of the potential asbestos risk • Notify CommCen (VicFire/VKN8) of level 1 asbestos risk • Notify Operations Commander Consider responding Hazmat and Breathing apparatus support
2	Where a greater amount of asbestos has been impacted over a larger area. and/or Up to 10 personnel are potentially exposed to asbestos.	Incident Controller actions: <ul style="list-style-type: none"> • Notify all attending crews of the potential asbestos risk • Notify CommCen (VicFire/VKN8) of level 2 asbestos risk • Notify Operations Commander Request attendance of Hazmat and Breathing apparatus support
3	Where high concentrations of asbestos are present and firefighters are likely to come into contact with dusts that may/contain asbestos (e.g. firefighters working in derelict building coming into contact with exposed/damaged asbestos). and/or More than 10 personnel are potentially exposed to asbestos.	Incident Controller actions: <ul style="list-style-type: none"> • Notify all attending crews of the potential asbestos risk • Notify CommCen (VicFire/VKN8) of level 3 asbestos risk • Respond <ul style="list-style-type: none"> - Operations Commander - Hazmat and Breathing apparatus support - Additional appliances to assist with decontamination procedures • Notify EPA Notify Brigade Medical Services

Affixing stickers to appliances – suitable position on the lower half of the off-side driver’s door



What we've done since to control the risks?



Final Actions

Fireground procedures where the presence of asbestos is suspected or identified



- Ensure all firefighters entering restricted/hot zone wear BA and minimum supplied PPC

Actions

- Conduct thorough asbestos risk assessment
- Implement appropriate risk control strategies as per the assessment
- Restrict access to area where asbestos is suspected or identified
- Park upwind and close appliance compartments to help prevent contamination
- Notify CommCen (VicFire/VKM) when asbestos is confirmed or suspected
- Ensure that where BA is not required, appropriate PPE is worn
- Establish hot, warm and cold zones as described below:
 - Establish decontamination area (boot scrubs, hose reel, equipment cleaning area)

Figure 1

PPC/BA - POSSIBLE ASBESTOS CONTAMINATION - DANGER

Incident No. _____ DATE ____/____/____

Incident Controller _____ Reg. _____ Sta. _____

PPC/BA Tunic Overtrousers BA Gloves
 Other _____

Return to: No 1 No 7 No 25 No 44

Name _____ Reg No _____

Station _____ Platoon _____

MFB-PPC/BA-1818 © District Operations

Figure 2



Post operations – clean up/investigations/fire duty



In any area where asbestos is suspected, minimum protection for firefighters in addition to PPC is as follows:

- Helmet or hair cover if no danger of falling debris
- Disposable P2 mask properly fitted; BA is the best protection
- Disposable coveralls or splash suits where appropriate
- Gloves and PVC boots

Personal decontamination

Remove clothing using fine water spray. Remove helmet and

neck protector. Neck protector to be placed in contaminated area and set aside for equipment cleaning

in a separate decontamination area

Remove contaminated clothing (including neck protector, flash hood, jacket and trousers) in a separate decontamination area

Use a separate decontamination area for equipment cleaning or re-worn (ensuring it is not worn in the hot zone)

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Thank you and any Questions



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DISASTER MANAGEMENT

Joe Buffone

Acting Assistant Secretary

Crisis Management Branch

Emergency Management Australia

Department of Home Affairs



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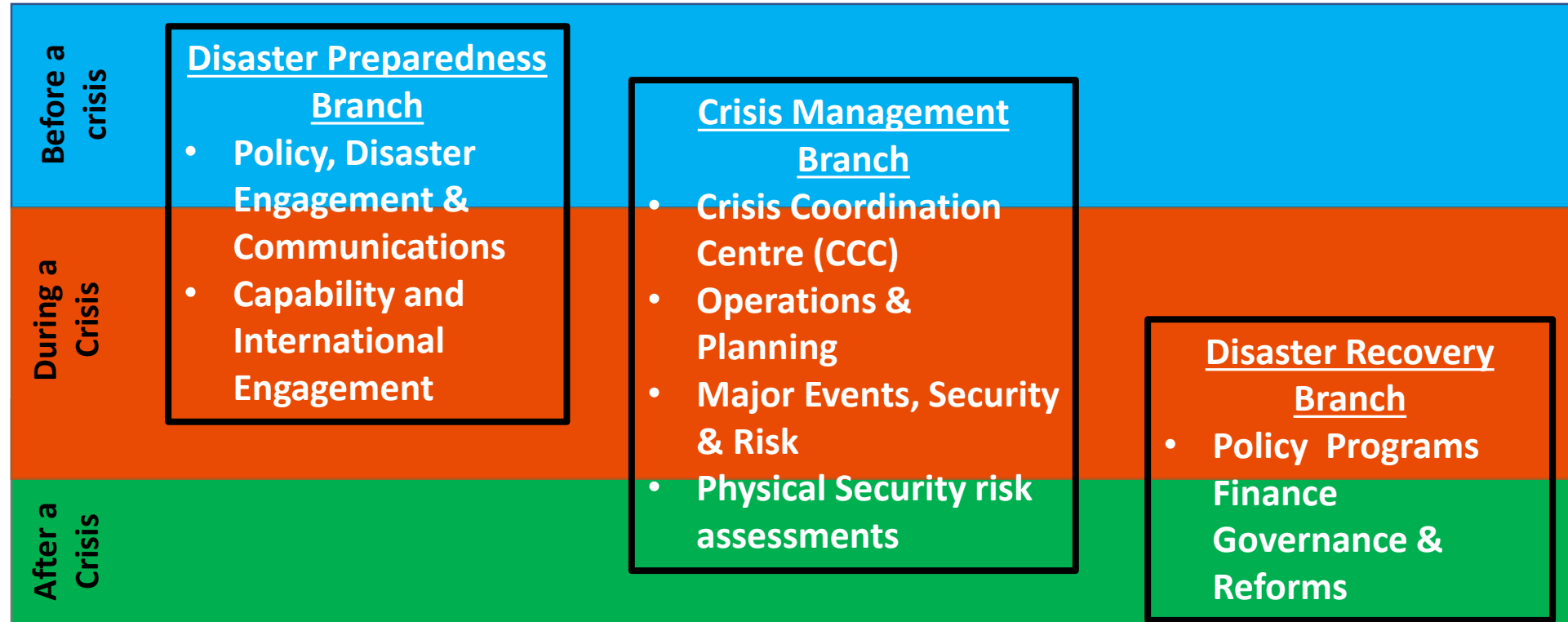


Emergency Management Australia (EMA)

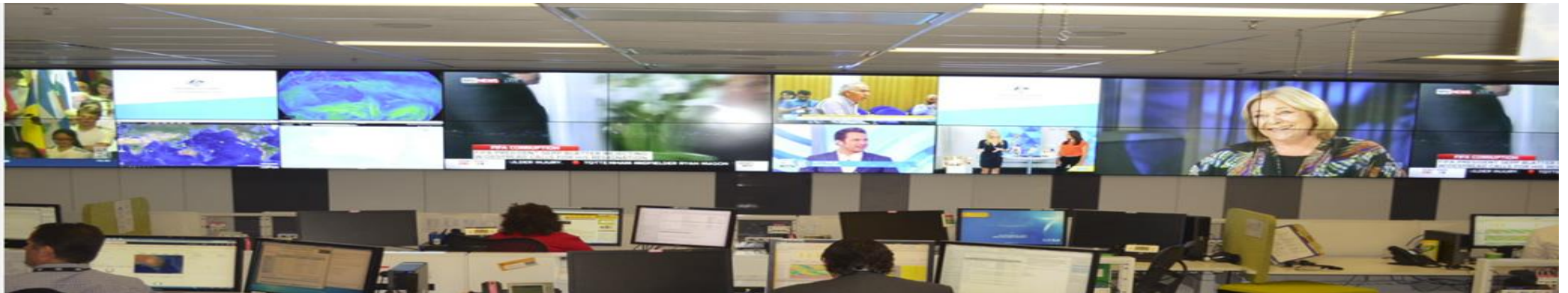
- EMA is Australia's National Disaster Management Organisation
- EMA is a division of the Department of Home Affairs which delivers programs and policies that maintain and strengthen Australia's national security and emergency management capabilities
- EMA is the Australian Government's primary situational awareness and coordination resource for crises and emergencies
- Emergency Management policies and programs contribute to the goal of a safer, sustainable community
- Coordination of Australian Government protective security arrangements for Australian high office holders and domestic major events.



Emergency Management Australia



Australian Government Crisis Coordination Centre (CCC)

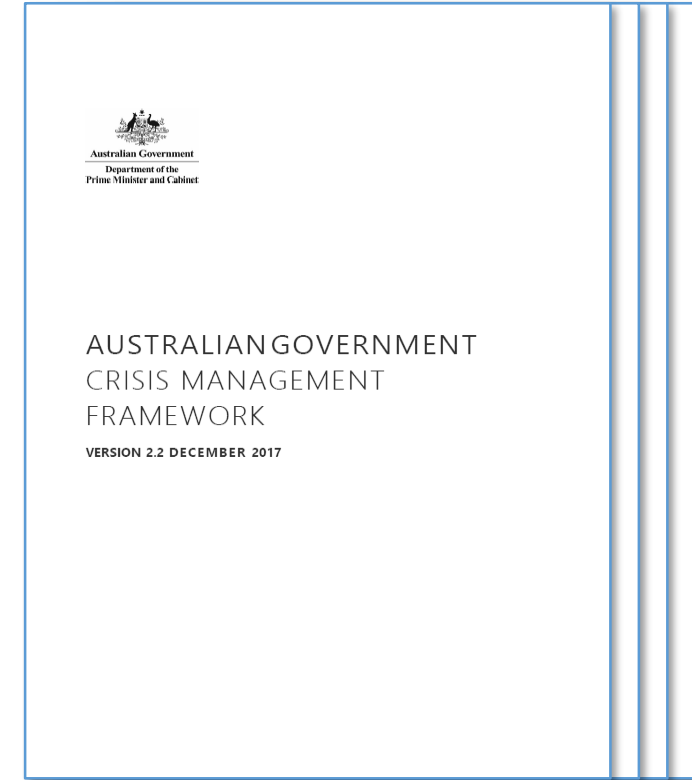
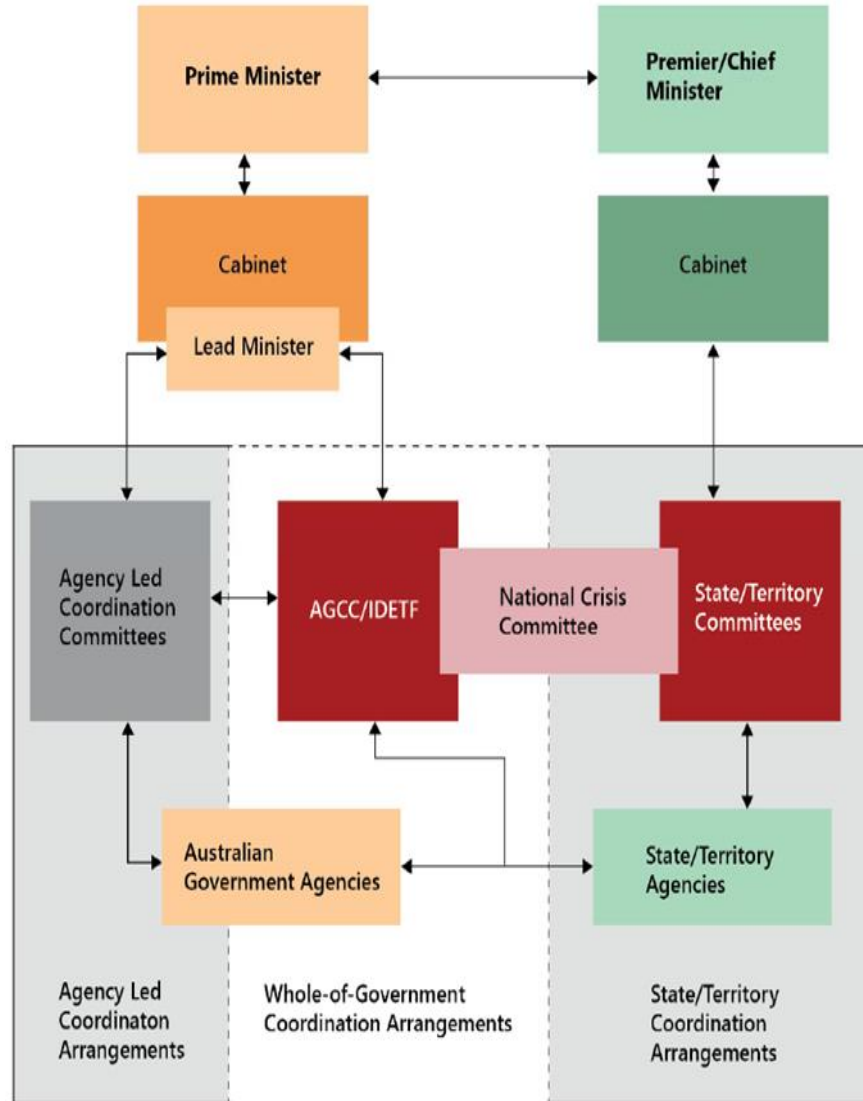


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Australian Government Crisis Management Framework (AGCMF)



AGCMF Leads

Lead Minister	Possible hazards	Annex
Minister for Foreign Affairs	International crises	Annex A.1
Minister for Home Affairs	Domestic security-related incidents (excluding terrorist incidents) or any other domestic crises with no clear ministerial lead	Annex A.2
Minister for Home Affairs	Domestic terrorist incidents or maritime terrorist incidents within the Australian Maritime Domain	Annex A.3 and Annex A.4
Minister for Home Affairs	Domestic natural disasters	Annex A.5
Minister for Agriculture and Water Resources	Domestic biosecurity crises	Annex A.6
Minister for Health	Domestic public health crises	Annex A.7
Minister for the Environment and Energy	Domestic energy supply crises	Annex A.8
Minister for Resources and Northern Australia	Incidents involving an offshore petroleum facility in Commonwealth waters	Annex A.9
Minister for Infrastructure and Transport	Transport incidents (maritime and aviation) within Australia, the Australian Exclusive Economic Zone, or the Australian Search and Rescue Region	Annex A.10



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National Crisis Planning

Hazard Specific Standing Arrangements for Coordination and Notification

- Aviation Disaster (AUSAVPLAN)
- Space Debris Re-entry (AUSSPREDPLAN)
- 40+ Aust Govt managed

Domestic Plans for providing Australian Government Assistance

- Australian Government Disaster Response (COMDISPLAN)
- National Counter Terrorism Plan and Handbook
- Mass Casualty Incidents (AUSTRUMAPLAN)
- National Catastrophic Disaster Plan (NATCATDISPLAN)

Hazard Specific Offshore Response and Contingency Plans

- International Assistance (AUSASSISTPLAN)
- Overseas Mass Casualty (OSMASSCASPLAN)
- Evacuation of Australian citizens from overseas (AUSRECEPLAN)

Triggers: *for Commonwealth Involvement*

- the scale of the crisis and its potential impact
- an incident across multiple jurisdictions or industry sectors
- a request from a State or Territory
- a crisis with both domestic and international components
- community expectation of national leadership
- multiple simultaneous crises





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Review of asbestos management practices in disaster planning.



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“Asbestos management in natural disasters and emergencies often occurs in a volatile, fast-moving context involving multiple layers of government, bureaucracy, industry and the community across different sectors and jurisdictions – with first responders including not only emergency services personnel but also (both trained and spontaneous) volunteers and affected residents”

(Review of asbestos management practices in disaster planning)



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Australian Government support for recovery and clean - up

- The Disaster Recovery Funding Arrangements (DFRA) provide for reimbursement of cleanup and debris removal costs (including for asbestos) associated with state and territory expenditure following disaster. These may include for:
 - the essential repairs to housing, including temporary repairs and repairs necessary to restore housing to a habitable condition
 - the demolition or rebuilding to restore housing to a habitable condition
 - the removal of debris from residential properties to make them safe and habitable, and
 - the reconstruction of essential public assets.
- Under the DFRA, States and local governments are responsible for undertaking these works and then may seek financial reimbursement from the Australian Government.



Review of asbestos management practices in disaster planning.

Potential Solutions:

1. Building capacity for collaboration
2. Establishing definitions and performance measures
3. A concerted public education campaign
4. Information kits
5. Communication tools and templates
6. Training materials for volunteers and professionals
7. Protective equipment kits
8. Database of resources
9. Database of affected areas and properties:
10. Partnerships and working groups
11. Specific policies for asbestos management



Thank You – QUESTIONS?



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