

Outline

- MED's role in emergency management (Pip Blunden)
- National Lifelines Co-ordination (Pip Blunden)
 - Cruickshank
 - Ruaumoko
- Priorities for access and delivery (Tony Fenwick)
- Learnings from Exercise Cruickshank (Tony Fenwick)
 - Internal Boundaries
 - Telecommunications Demand and Supply



Key drivers / themes

- Consistent model for all emergencies (across all 4 R's)
- Leverage off existing arrangements
- Plans scaled and adapted according to the nature of the emergency - flexibility
- Decisions need to be made as close to the action as possible
- Significant reliance on businesses and infrastructure providers



MED - Reduction and Readiness

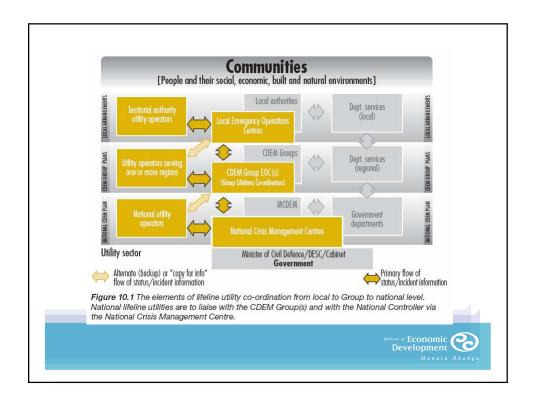
- Factoring resilience into energy and telecommunication policy
- Support MCDEM in -
 - contingency planning across energy and telecommunication sectors
 - coordinating planning across infrastructure
 - development/clarity of national lifeline communication mechanisms, including sector co-ordinating entities
- Specific projects as appropriate, e.g. promoting business continuity planning, oil security arrangements
- Participating in national exercises, i.e. Capital Quake, Cruickshank, Ruaumoko

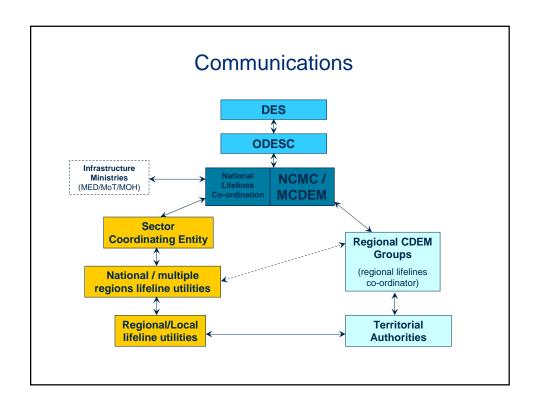


MED - Response and Recovery

- Response
 - Liaison with national lifelines co-ordination (in NCMC) provide support if necessary (expertise and/or resources)
 - » Not in direct line of communications / decision-making
 - » Redeployment of resources as appropriate to the event
 - » Facilitate solutions if necessary
 - Analysis of specific issues and policy advice to Ministers
- Recovery
 - Continue to provide analysis and policy advice on energy and telecommunications
 - » Policies for speeding up response
 - » Mitigating long-term impacts







Exercise Cruickshank

- Opportunity to exercise lifeline utilities co-ordination
 - link between infrastructure providers and national lifelines coordination (i.e. MCDEM emergency operations centre)
 - » Directly or via sector co-ordinating entities (SCE's)
 - did not exercise link between regional lifelines co-ordinator and -
 - » National lifeline utilities or those covering >1 region
 - » National lifelines co-ordination
 - long response timeline and national cf. natural hazards.
- Participating infrastructure providers exercised their own BCP's

 some common themes emerged.



Sector Co-ordinating Entities

- National level sector 'clusters' (refer CDEM Guide) that have a role in the response phase (cf. regional lifelines groups)
 - events that affect more than one region and/or more than one sector
 - co-ordination to improve effectiveness of response activities
 - flexibility adapt to the event
- Each sector different characteristics and emergency coordination arrangements
- Exercise Cruickshank
 - Transport Response Team (led by MoT)
 - Transpower (electricity)
 - GANZ (gas)
- Role in the reduction / readiness phases
 - e.g. Telecommunications Emergency Planning Forum



Cruickshank: Lessons Learnt...

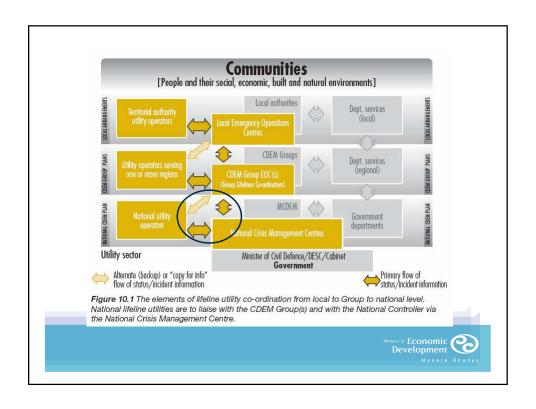
- SCE's generally worked well
 - improved consistency of information across sectors
- SCE's should be in active communication with each other, particularly where there are key interdependencies e.g. electricity/telecommunications
- Roles and responsibilities need to be clearly defined before an event and have broad consensus

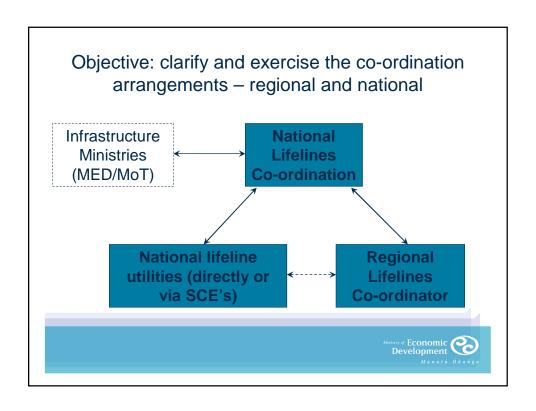


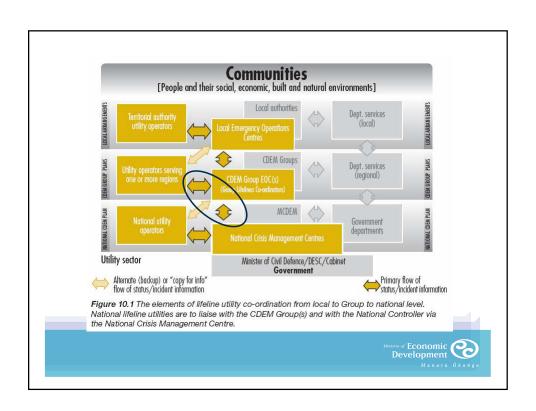
Looking forward...

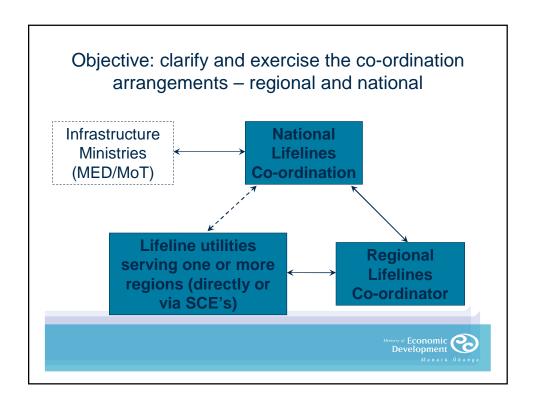
- Challenges in national or multiple region events:
 - Relationship of national lifelines co-ordination (in NCMC) and regional lifelines co-ordination (in CDEM group EOC's)
 - National (or >1 regions) lifeline utility communications with regional lifelines co-ordinators and vice versus
 - Scope (breadth) and activation of SCE's triggers?
 - Finding the balance between clarity of response arrangements and flexibility of response arrangements
- Ruaumoko an opportunity
 - Business Theme Lifelines Working Group (amongst other objectives) aim to clarify and exercise the co-ordination arrangements at both regional and national levels











Prioritisation – Who Gets Their Needs Met?

- All consumers want their needs met for good social and economic reasons
- · There are two issues
 - Infrastructure providers want priority recognition of input needs
 - They also want output advice on customers to be supplied first
- But
 - There are no simple answers
 - Government has no master plan
 - and its ability to intervene is limited in most sectors (partial exception: significant legal powers in petroleum)
- Position paper on MED's website soon



Prioritisation – Accessing Resources

- Lifelines to function during emergency, albeit at reduced level (s60 CDEMA)
 - So they need to ensure access to needed supplies, incl infrastructure (ICT, electricity, diesel etc)
 - Options include investing in back-up, contracting etc
 - Key point: It's largely over to Lifelines to make own planning arrangements
- · Don't rely on CDEM Groups to ensure supplies
 - No formal powers prior to a declaration
 - Requisitioning powers etc exist after a declaration, but very high threshold and not designed to meet infrastructure's needs
- Nevertheless, infrastructure providers and others should make priority needs known to CDEM Groups where they are unable to make satisfactory arrangements



Prioritisation – Meeting Customer Needs

- Many infrastructure providers also want advice on prioritising customers
- There is no silver bullet
 - CD documents (Plan and Guide) set out some emergency response objectives and restoration priorities
 - these offer rough guidance only
- A range of contractual, regulatory, technological and situational issues will impact
- Infrastructure providers know their customers best
 - Clarify demand expectations and supply options with customers in advance



Pandemic - Internal Boundaries

- Internal boundaries possible, especially in "Stamp it Out"
 - Decisions most likely by national vis-à-vis local authorities
- There are two issues
 - Will infrastructure providers be able to cross boundaries to maintain equipment etc?
 - Will transport operators be able to cross boundaries to deliver goods?
- These issues are subject to final clearance with Ministry of Health
- · Position paper expected on MED's website soon



Crossing Boundaries to Maintain Equipment

- MoH advice: plan for, and use best endeavours to implement, arrangements that avoid need for boundary crossings
- If necessary, entering a pandemic-affected area may be permitted
 - If needed to maintain a lifeline service
 - Subject to health-related conditions
 - Main message plan to avoid entering pandemic-affected areas
- Exiting a pandemic-affected area is however not likely to be permitted
 - Except to meet extreme emergency needs
 - Case by case consideration
 - Main message don't expect to be able to exit



Will Transport Operators be Able to Cross?

- MoH advice: Crossings to deliver / transport needed goods will generally be permitted, subject to conditions
- · Deliveries to and from affected areas
 - Driver substitution at boundaries likely to be required
 - Exiting and replacement drivers should wipe cabs clean and dry (cab doors to be left open)
- · Transporting through affected areas
 - Subject to health-related conditions



Health Guidelines for Entering Affected Areas

- MoH advice: Don't travel if you are ill
- If you need to enter a pandemic-affected area to maintain equipment or deliver goods
 - Maintain social distancing
 - Minimise use of vehicle ventilation
 - Use PPEs
 - Avoid touching hard surfaces in locations used by others
 - Cover coughs and sneezes
- · This advice attached to website material



Pandemic - Telecommunications Demand

- Issue will telecommunications be able to cope in a pandemic?
- Many sectors will be looking for reliable communications
 - Shift in location of business demand
 - Meeting the needs of the health services
 - New / changed social needs
- Telecommunications Carriers' Forum (TCF) report April 2006 link on MED's website
- Based on stated assumptions (e.g. 30 % increases in residential traffic)
- Likely to be some / scattered congestion how serious?
- Businesses should plan contact telecommunication service providers
- Exercise Cruickshank
 - Another look at the assumptions and analysis in the TCF report



Telecommunications in a Pandemic - Process

- Assessing demand
 - Seeking advice from major users Health, MSD, Police, Education
- · Testing supply
 - Questions to major telecommunications companies, including
 - What data available on normal use?
 - To what extent does technology permit prioritisation?
 - Are major customers actively planning?
 - Is there a role for planning demand-management messages?
- · Next steps
 - Reviewing the demand and supply information, and
 - testing understandings / peer reviewing, in order to
 - reach a view on whether the TCF Report should be updated at this stage

