

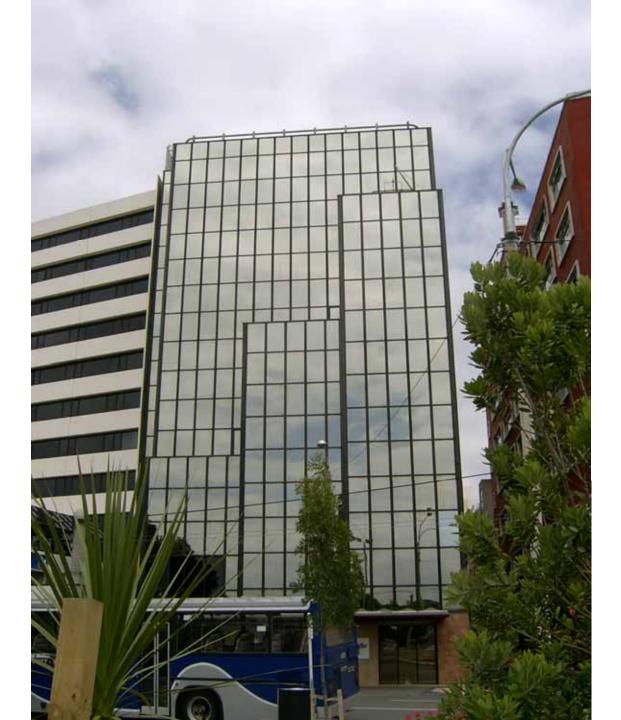
New Zealand Society for Earthquake Engineering Inc

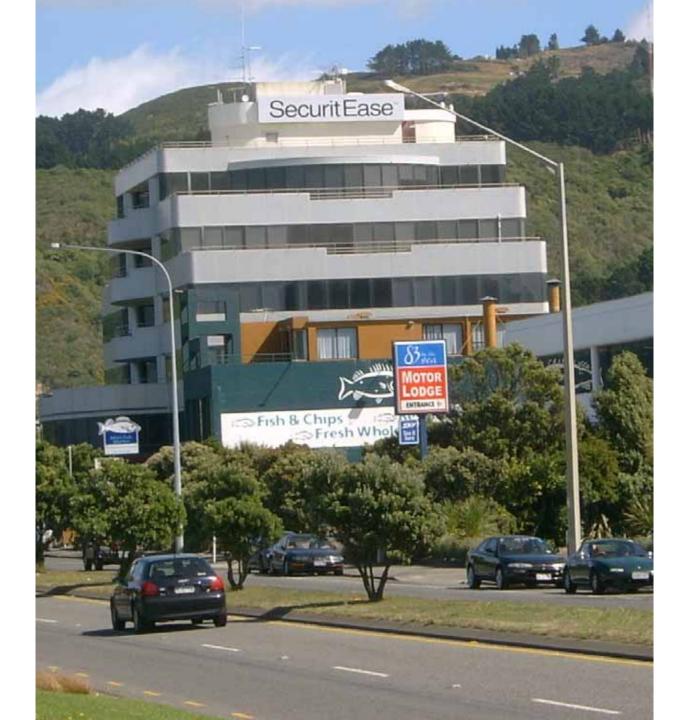
Building Safety Evaluation During a State of Emergency

Implications for Lifeline Utilities

National Lifelines Forum October 2009











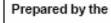
Draft for Comment December 2008

Building Safety Evaluation

During a Declared State of Emergency

Guidelines for Territorial Authorities





New Zealand Society for Earthquake Engineering

With support from









The Building Safety Evaluation process seeks to:

- Confirm where damage is concentrated to assist response and recovery decision making
- Indicate whether physical action to be taken to enable, restrict or prevent access
- Gather information for a database of damaged buildings that will assist the longer term Recovery actions

Responsibility

- Territorial Authorities have the responsibility of planning for and co-ordinating post-disaster building safety evaluations
- The Department of Building and Housing is the lead government agency for post-disaster building processes

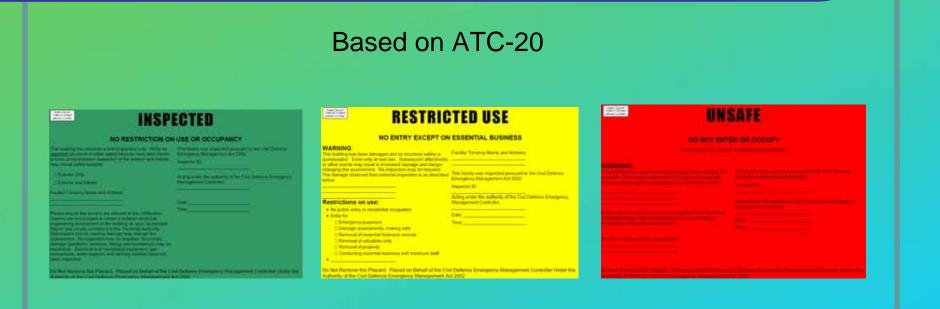




- During a state of emergency, the line of reporting is to the CDEM Controller
- Experienced structural engineers will play a significant role, assisted by architects and builders

Working in a voluntary capacity for 2-3 days.

Rapid Evaluation of Building Safety The Posting System

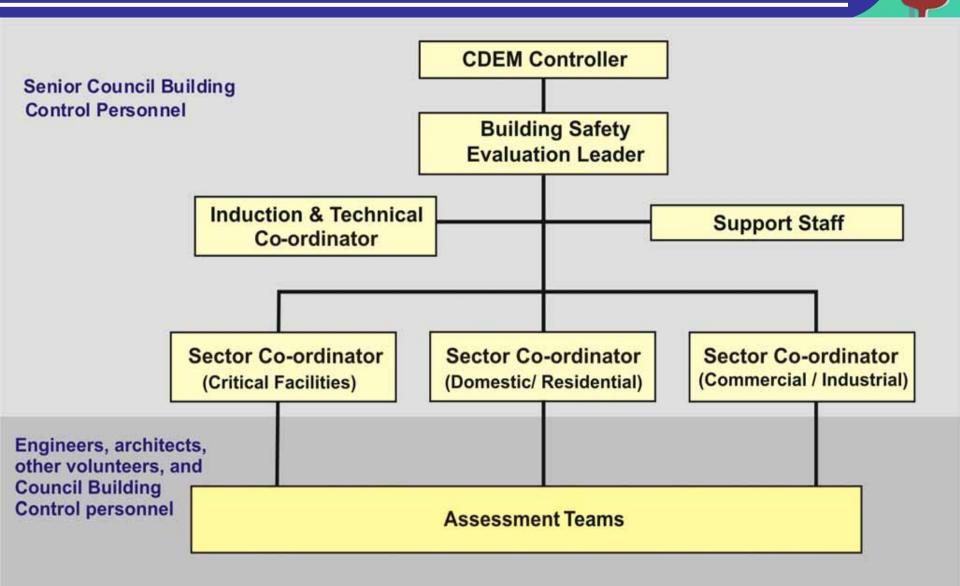


INSPECTED:No restriction on Use or OccupancyRESTRICTED USE:No entry except on essential businessUNSAFE:Do Not enter or occupy



- No public entry or residential occupation
- Entry for
 - Emergency purposes
 - **Damage assessments, making safe**
 - Removal of essential business records
 - Removal of valuables only
 - Removal of property
 - Conducting essential business with minimum staff

Operating Structure



What Does This Mean for Critical Facilities?

Local Authorities and Lifeline Utilities must ensure that they are able to function to the fullest possible extent ...

Should have arrangements with an identified inspection resource

 eg. Priority Response Agreement with a consulting engineering practice

The Opus / Telecom Post Earthquake Response Plan

- Opus has an on going contract with Telecom NZ where Opus provides post-disaster (earthquake) inspections of key Telecom buildings sited throughout the country
- Details of the plan and all relevant information are provided in a webpage developed specifically for the project
- The purpose of the plan is to allow rapid assessment of key Telecom exchange buildings to confirm whether they are safe to enter or not
- Confirmation of this is provided by mounting appropriately coloured placards in a clearly visible place near all entrances to the building

Current Status of Arrangements

Guidelines issued

- TAs encouraged to develop their own specific arrangements
- Two training modules have been developed
 for Building Control Managers and CDEM EMOs; and Bldg Officials and Engineers
- Encouragement for Critical Facilities operators and Lifeline Utilities to make their own arrangements

Contact Details



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