Survey Community and Communication

Lessons learnt and thoughts for the future

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Clark Land Surveyors
Background

- NZIS Canterbury branch member since 2000 and branch secretary 2004-2010
- Branch executive member
- Worked at the Christchurch City Council for 6 years and the last 10 years with Clark Land Surveyors
- Based in Middleton 5 km west of the CBD
Sept 2010

- Assisted with asset information capture with the pre SCIRT organisation
- Worked in with local surveyors and 12d to provide solutions for asset capture and network analysis
February 2011

- Office was initially closed for the week after the quake due to logistics but...
- We could remain operational
- Contacted by engineer
- Needed help in the CBD
CBD response

• Initially tasked to monitor the Hotel Grand Chancellor and report back
Civil Defence HQ

- Multi agency HQ
- Based in the Art Gallery
- Critical Building Team – 
  - formed by MBIE
  - To assess buildings identified by initial inspections
  - Based on hazards, size of building
    - (4+ stories)
    - Placard system
Civil Defence – Emergency Operations Centre

• Initial reporting of HGC highlighted a significant shortfall of information!!

• Offered help to coordinate a surveying response in the CBD and to use network to call for help

• Identified surveyors operational in the CBD
  – USAR support
  – Surveyors accessing the CBD
Networking

- Coordination
- Email of information about access to the CBD and points of contact
- Used contact information and network
  - Offers of support
  - Supply of information and equipment
  - Supply of manpower for logistics
  - Peer review of processes
  - Troubleshooting
Technology

• Limited power
• Lack of computer in EOC
• Basic reporting
• Basic record keeping
Staff Support

- ALIEN environment
- Affect on personnel
- Demoralising work
- Environmental issues
- EXHAUSTION
- Staunch Kiwi attitude......

- Daily debriefing over dinner
Future

• Business response
  – Have you thought of the what if....
  – Cloud storage
  – Insurance
  – Smartphone Apps
    • Banking, Survey info, social media, web based communications

• Local response
  – Branch contact information
  – Networking
  – Social events – build relationships

• National response
National Response

• National initiative
  – Surveyors without borders!!
  – NZIS HQ maintained guidelines and information
  – National training / experience sharing
  – Have to assume local surveyors unavailable
  – Regional points of contact
  – To support neighbouring regions in the event of an emergency
  – Standardised information
    • Consultation with IPENZ, Civil defence, MBIE, EQC
  – Why reinvent the wheel?