

Notes:

25-11-16 Teleconferences - North Canterbury / Marlborough Earthquake

These are notes taken from the two teleconferences held on Friday. The first time a person is quoted their full name is used. From there on in the initials are used.

Attendees 12pm: Hadyn Smith (Chair), Alex Liggett, Chris Walker, Craig Hurford, Greg Byrom, Hamish Weir, Jan Coll, Matt Ryder, Melissa O'Brien, Mike Russell, Mike Foster, Neale Faulkner, Rebecca Strang, Todd Airey and Tony Nikkel.

Attendees 4pm: Hadyn Smith (Chair), Mark Allan, Todd Airey, Kat Salm, Geoff Bland, Carl Salmons, Greg Byrom and Steve Copson.

i. Welcome – announcement of all those present

Went through the protocol for speaking and agenda.

ii. Updates from affected areas (immediate needs/wants as known) – short briefing from key individuals as known

Hadyn Smith - NZIS looked at a business interruption plan several months ago. One of the appendixes to be added to that plan was the support of a national response to a localised emergency, such as an earthquake.

HS - New Zealand Coordinated Incident Management System (CIMS) 2nd Edition describes how New Zealand agencies coordinate, command, and control incident response of any scale, how the response can be structured, and the relationships between the respective CIMS functions and between the levels of response.

Explain how Emergency Operations Centre and a Lead agency operates – they use standard plans for each CD scenario – floods, earthquakes, etc. We need to be part of that process.

Todd Airey– update on reports. Use of Drones, etc. Plans to date.

- Each region tasked with knowing it's capability.
- Has been ringing round large companies in Chch.
- Looking at who is involved in affected area – five NZIS firms identified to date. (Aurecon, Critchlow, Eliot Sinclair, Woods, Fox, plus one from Marlborough (name ???) + LINZ, consultants and TA engineers. At this stage trying to collate information and contacts.
- Asked whether there is consistent contact point - none as such.
- Have started to collate the information.
- Notice of a No-fly zone in area- predominately around Kaikoura-may impact drone flights. Still trying to gain access into this area. Overseen by airforce.

- Need to be aware of NZAE website.
- Touched base with companies with a presence in Kaikoura.
- Backup Emergency operations (EOC) in Kaikoura is Chch City Council.

Chris Walker – update from Nelson/Marlborough

- Has been talking to various consultants, one has been undertaking work from LINZ.
- Other key stakeholders in Nelson area looking for updates.
- Other contacts haven't been made. Chris has made a list and is working on making contact with them
- Mike Russell from Marlborough – his firm had been assisting LINZ. Early days with little to report.

Rebecca Strang

- Aurecon- Overview for Wellington - monitoring buildings for technical engineers. Assisting on the ground in Kaikoura.

Tony Nikkel

- In relation to no-fly zone – assume it not blanket restriction- as engineers require information. Would like more detail.
- Public notice to general restriction to all aircrafts RNZAF- UAV Drones
airshare.co.nz
- Should be talking to incident controller – on site.

Kat Salm

- Spatial perspective - Have had people coordinating things from ECANZ- informal Communications Channel- sharing data. *Refer end notes.*
- NZTA put out map with images of flight paths and other information which is available
- People doing long hours

Carl Salmons

- Mark more concerned about vertical than horizontal. LINZ quite well resourced. Put in Horizontal and Vertical control. LINZ waiting for things to settle down.

Steve Copson

- Asked how many firms in Kaikoura area. HS responded that we don't know of everyone, trying to find out numbers by getting them to let us known centrally.
- Mark Allan - no surveyors that we know of there.

Greg- LINZ Updates (key information)

LINZ has set up a webpage for surveyors at:

<http://www.linz.govt.nz/land/surveying/canterbury-earthquakes/geodetic-survey-control-network/kaikoura-earthquake-%E2%80%93-14-november-2016>

We'll add more information here as it becomes available. The key message on the webpage is that surveyors can calculate their own post-earthquake coordinates using the PositionNZ-PP service <http://www.linz.govt.nz/positionzpp>

Please pass us back any relevant feedback from this if you have any.

LINZ has staff in the field now working with GNS and Otago University on post-earthquake GNSS surveys. Results from this work should be available in a week or so. We are also in the process of planning post-earthquake surveys focussing on affected urban areas (eg Kaikoura). We hope to get some results from these surveys before Christmas.

Discussions around changes to Rules and regs as a result of the earthquake have started. Led by the Geodetic team.

Imagery and lidar - LINZ is providing this data as widely as possible via an online LINZMaps module, and coordinating data capture efforts. Satellite imagery is available (DigitalGlobe) for those who need it. If you require access let us know and we will add you to the access list. PLEASE NOTE this is restricted licence access only. i.e. You need to be doing work on behalf of government and directly related to earthquake response or recovery.

You are invited to approach LINZ if you have questions or concerns. However please bear in mind we are in the middle of a response effort - there are a lot of busy people around and your inquiries may not be able to be addressed immediately.

iii. Urgent or immediate needs (the process for activating - receiving or giving support)

HS - we are in constant communication with other national bodies but the power of one is not great in the middle of an emergency management situation. NZIS can be in direct contact with LINZ, IPEWENZ, TA, etc.

NZIS is not a technical office but it can facilitate anything. Use the NZIS@surveyors.org.nz subject: Kaikoura Earthquake.

Todd and I will be having a day on an emergency response plan on Tuesday in Wellington. If anyone has any material that would be helpful feel free to send it through. Hoping to join the Construction Industry Council on the 30th re being involved in their coordinated response.

- MR- in the immediate- quite a lot of vertical movement- asked when it started? Rachele spoke at Vertical Datum Seminar about how work has already started - Greg to follow up.

iv. Welfare - Stress management, managing family, staff/workmate & client needs in a stressful situation.

HS Employee Assistance Programme - Critical Incident Support

EAP Services provides formal Critical Incident support through a formalised Employee Assistance Programme that must include the provision for CI support. I will highlight this as part of an update to members. This needs to be discussed in every business and personal environment! Here are some sites that provide these services:

<https://www.eapservices.co.nz>

<http://www.workplacesupport.co.nz>

<http://www.stratos-ltd.co.nz>

<https://eapworks.co.nz>

<http://www.ocp.co.nz>

<http://www.talkingtherapy.co.nz>

Alex Liggett

- Locals are going to be shocked and finding life difficult- staff need to be understanding as there are going to be tense people

TA

- Noticed staff go downhill- support staff at down times when they have time to think.

Mark Allan

- EAP schemes are available. Important that we are vigilant about staff wellbeing as earthquakes can have effects on performance.

v. Growth of communications (set up of SIG with updates that members can tap into as able)

HS - The new NZIS website will cater for a SIG's in support of every incident such as this. However, our current Forum is just one big comment area. What I suggest is that I start a thread for people to feed into but I ask that everyone that wants to be part of a mailing list advises us on the NZIS email address, as above, and we can expand our needs and wants through that medium. The new website will go live before Xmas and things will be easier to focus.

KS - Make use of spatial and have some sort of crowd source map for people on website that people can add to.

CS - Make use of social media- take over FB page- would be ideal.

MA - We must be careful not to alarm anyone. Support the members professionally and socially. Must be careful that we don't create a perception that we're not creating a marketing opportunity out of a disaster.

vi. Funding (any specific needs?)

HS – NZIS is here to support anything that will help but we don't have an endless bucket. Send any request to me for support and approval.

CW - proposal for the new year- speaker from CHCH to speak at Branch meetings.
HS – I think that would be a well-received concept. Just need some detail and perhaps a short list of speakers.

Jan Coles - keen to link into what Nelson/Marb are doing.

TA - Would tie in well with disaster initiative idea.

vii. Useful updates to/from NZIS (media releases; tips for the public; human interest stories; hot line info; etc)

HS - The media want anything especially if it relates to new thinking, statistics, etc. Jan will turn anything into a media release if she gets supplied with some bullet points and a technical point of contact.

Facebook and LinkedIn can also be activated as required.

AL - Reinforce message to public that surveyors are the go-to for boundaries etc.

Craig Hurford - Need to be pro-active in terms of public- so people understand what we do, why we do it and the process behind it.

Greg - A lot going on within LINZ to keep information flowing to public.

- JC- Not enough knowledge about what surveyors do. Get message out that surveyors are the ones who know about boundaries.
- MR- We should aim to get a message out by end of next week.
- Melissa O'Brien - Social media. YP share posts that they've seen. Can we still do this?
HS - National Office won't interfere with this.
- RS- Lets summarise articles which were written in the past to support our message.

TA - Building Monitoring. Working on article already. Can use old Canterbury article and apply what's relevant to this earthquake. Anything we get out there/release to the public has to be good

- RS and KS- photographs and images are important.
- MA- Critchlow put MA in touch with the name of a reporter at the New Zealand Spatial Excellence Awards. Good opportunity to raise people's awareness of Geospatial. MA to send to HS.
- GB- Things going on at LINZ that might be worth a media release.

viii. Future actions (medium term - after the emergency period)

Meeting at NZIS in Wellington on Tuesday a key focus for Todd and Hadyn. Any information that can be forwarded would be helpful.

- ix. Future actions (long term - connections with Civil Defence, Territorial Authorities, Local Government, etc)
- GB- longer term. LINZ need to keep an eye out/follow.
 - JC- if anyone needs a resource. Westland Branch is available to help.
 - Neale Faulkner - CSNZ are happy to coordinate future strategy plan etc, financially if required.
 - TA - concerns that surveyors are working in isolation. If anyone finds out a key point of contact let NO know.
 - TN - Attended Civil Defence presentation in Otago- 3 qualified surveyors who did presentations. NZIS could offer services of surveyors- presentations at these types of events.
 - TA - Concern that we have members working in isolation. Need to ensure that data created is able to be matched up. Let Todd or national office know if we hear about this happening.
 - KS - Aurecon's perspective. Have Surveyors and Geotechs- immediate focus on safety and getting picture of what's happening. Detail and precision will come later.
 - Geoff Bland - What to think about what the branch would do in event like this.
 - HS – this should be supported by the plans being constructed by the NO.
 - CS - BOP earthquakes quite scary if they occur. Biggest coastline and sandbase. Emergency response officer could be put in place. LandSAR may come into use. Each branch has different risks- so local input is important.
 - MA - Need to be communicating with all our members. Newsletters out to all members next week stating what we've done and what we are doing. These meetings an excellent start.
 - SC - Surveyors should be part of infrastructure from get go.
- x. **General business:**
- GB – have send HS email link that people can use. Surveyors can do post-earthquake surveys. Results should be available by Christmas. Invited to approach LINZ if any queries.

Notes subsequent to meetings:

1. While the surveying is important, there is a huge amount being done in the spatial arena that I think the majority of NZIS are not aware of. In simple terms – there are a lot of maps being used for a lot of things at the moment, and there are people contributing to that information in collaborative and open ways. The ECan Slack channel is one way that people are trying to coordinate efforts. The NZTA map I sent through is another, and there are additional activities going on. While our focus is mainly on the South Island/Kaikoura region, I'm assuming the same can be said for

Wellington and I'm sure that Wellington City Council will be collecting and producing a lot of relevant spatial data. We are getting better at this following the lessons learned in the Canterbury Earthquakes, but I still think we could be doing better in terms of standing up information channels for data that everyone is aware of and contributing to. (Interestingly, they are noticing now that the scale of the problem spans several regional councils, that there are no 'national' datasets for things normally managed regionally, such as Civil Defence offices, and that having national datasets for these in the face of a 'larger scale' emergency would be very useful).

2. I do wonder whether there is more legacy work from the Canterbury events that still haven't been really understood or adopted more widely. In particular, the lessons around coordination of critical data, communications, and agencies that was part of the SCIRT legacy work. And some of the post-quake work done around property data management, where the lack of a robust framework caused a major headache in the response and recovery efforts in CHCH (including things like insurance claims). Having national standards and governance of some of those emergency datasets is important, but I'm not sure whether that rests with LINZ, Civil Defence, USAR or a combination of these (or others).
3. Perhaps NZIS could demonstrate the use of spatial by setting up our own online collaborative 'crowd sourcing' map, where NZIS members can add in notes, photos, or comments on a web map to share information on data available, hazards, offices needing additional help, etc.