



Happy Easter



CETANZ

Civil Engineering Testing Association New Zealand

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CETANZ

NEWSLETTER

ISSUE 38

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MESSAGE FROM THE CHAIR

Kia Ora,

The year has started off fast with both the Technical Group and the Careers and Events Group holding meetings, with plenty to chat about. This includes, regional get togethers, development/ revisions of standards, workshops on standard drafts and responses to industry concerns.

A cool little project is one in conjunction with AQA where we will look to complete a series of short videos on certain tests. Sampling is set to be the first one we will undertake and we thank Stevensons in advance for offering up their site to host the filming.

One matter that we take very seriously is an approach from industry on the presence of undue pressure on the influence or non reporting of results. As a committee, we have committed to sit down and have a workshop with members of the committee giving a representation across the industry, along with IANZ present. We will look to see what we may be able to report back to membership on this.

Mid February, I represented the group on a 2 day technical extravaganza in a combined meeting between the National Pavement Technical group and the National Surfacing Technical Group. Some great topics were discussed and these will be shared with the Technical group at our next meeting.

Some of you may not know that we are actually a technical group of Engineering NZ. Portly, our Vice chair will be heading down to Wellington to represent us here at the Technical groups forum in the next couple of weeks and we look forward to his report back to us about wider industry happenings.

It may be just because it is the busy season, but it already looks like we are short handed for volunteers to complete the many tasks/ projects that are coming our way. If you are a member and would like to be part of any action groups coming out, please do not hesitate to get hold of us, we will gladly accept and appreciate any time you may have. We are also looking for someone to help Marco in the CPT space to help keep the momentum going here, please contact me if you are able to.

Regards

Danny



Danny Wyatt

MESSAGE FROM: CLARK YPARRAGUIRRE



Clark Yparraguirre

Careers & Events Group Lead / Committee

Time seems to be moving quite fast as we find ourselves swiftly nearing the end of the first quarter of 2024. We're thrilled to announce that our team is hard at work putting together a series of events for our valued members, all aimed at fostering connection and learning within our community.

This year, we're bringing back the popular Networking and Quiz Events, where you can join us for drinks & nibbles and have the opportunity to network while putting your trivia knowledge to the test.

Additionally, we're diligently working to organize training sessions from Civiltrain to complement these events, providing a fantastic opportunity for professional development for our members. An expression of interest will be sent out as we approach the final stages of preparation for these events.

In other news, we've made some minor updates to our website. Be sure to check out the Qualification page, where you'll find a link to valuable information at Connexis for those looking to gain qualifications in our field and develop their careers. Additionally, take a trip down memory lane by watching the "Just The Job" video now available on our About page. We're also excited to share that we're exploring the addition of a members-only page on our website. This will provide exclusive access to training videos in collaboration with the Aggregate & Quarry Association (AQA) and potential forums—opening up endless possibilities for value-added content for our members.

As always, we're continually seeking content to share with our community in the newsletters and on LinkedIn—this includes any health and safety, technical, and light-hearted topics. So, if you have anything, don't hesitate to send them through!

Stay tuned for more details, and get ready to join us for a series of engaging and enriching gatherings!



CelebratingDarker.com



Eric Paton

Technical Working Group Lead / Committee

UPDATE FROM:

ERIC PATON

M/4 SPECIFICATION REVIEW

After much discussion and some input from some internal NZTA groups, a decision has been made to include Ethylene Glycol into the methodology. A day long workshop was held in Tauranga on the 20th of March. An update from this is expected shortly and will be circulated to the technical group soon after.

VIBRATING HAMMER TEST

At the end of 2023, discussions were raised surrounding the current Vibrating Hammer test method. The CETANZ group came to the agreement that the test method is to be re-written in order to give clearer guidance. This includes specifying which hammer you are allowed to use for the test method, as this has been a grey area in the past. We have been working directly with NZTA providing feedback on various drafts. At present we are currently on version 4.2., we will inform on an intended release date.

T24

Last week, Danny represented CETANZ on the working group for this. The intent was to finalize a methodology that had favourable outcomes for NZTA and ultimately the public, whilst still taking in to account time constraints that have been fed back as challenges from contractors and labs when practically trying to apply the methodology written in previous drafts.

A productive day was had where a solution that we think overcomes the previous challenges encountered. This new draft will be out for comment shortly.

GAM ANGLE CALIBRATORS FOR GYRATORY COMPACTORS

We have also received a letter from NZTA highlighting some issues that Australian labs are encountering with internal calibration tools for gyratory compactors for asphalt applications. We have taken this to the suppliers, and they are keen to meet with NZTA to work through these concerns. Once again, we will update you.

IANZ UPDATE

KEY TECHNICAL PERSON (KTP)

The transition to KTP's is almost finalised; there are only five laboratories in the mechanical testing sector who are still operating under the approved signatory model, and these are expected to be transitioned across in relatively short order.

In general, laboratories have embraced the KTP model, some jumped at the opportunity to appoint their own personnel which in turn has benefited them in being better able manage risks and costs, and to reduce down-time between requesting signatory assessments and getting people on their scope. Others have required various levels of convincing. The laboratories where we have seen the most struggles in adopting the KTP mindset are those who have attempted to retain the superseded terminology of approved signatories for one reason or another. Our observations to date are that a clean break from the use of the s-word is the easiest way forward!

A common talking point raised during discussions regarding KTP's is the length of service required prior to appointment and, unfortunately, there is no clear guidance here. It is expected that laboratory management will take into consideration the experience of a candidate, including qualifications, training and knowledge, along with familiarity with the quality system and general accreditation requirements. This does not preclude relatively new hires from being appointed as Key Technical Personnel, depending on the person, and provided there is a robust and thorough training and review process. Experienced personnel joining a new laboratory would still be expected to serve a few months prior to appointment as KTP to ensure familiarity with a new quality system.

IANZ has retained oversight of the appointment process through appointment review and observations during on-site assessments and, if we feel that a candidate is not suitable due to length of service at an organisation, then we retain the right to decline an appointment. It should be noted however that the laboratory making the appointment is assuming the risk associated with an improper appointment. Another common question is who to appoint for new test methods being implemented in a laboratory. In cases where new testing is picked up, there is no formal IANZ requirement that training by an existing KTP is undertaken. Self-training and qualification where there are no suitable trainers is acceptable, provided this is documented in relevant training records.

Continue on next page.

The IANZ team are also still getting to grips with the new process; some of us had a head start with other programmes already operating under the KTP model, but others weren't so fortunate.

If you have appointments to be made or KTP's to come off the scope, get in touch with your most recent Lead Assessor who will be able to perform a review of the appointment in relatively short order.

One of the key advantages to the KTP model is that you don't have to wait for us to show up on-site to perform a signatory assessment so you can send appointment records to us at any time and our review of the appointment records should not cause any undue delay. In saying that, the team are presently very busy, so, if things are urgent, please let us know so we can prioritise them.

Similar to the signatory model, we would also expect notification prior to the departure of a KTP so that removal can be facilitated on the day of departure. The civil materials industry in Aotearoa is small and it is not uncommon for us to come across a KTP in a new role, at another laboratory, before they have been removed from their previous employers scope.

Overall, we are seeing high levels of compliance with the requirements for KTP management. For the full list of requirements relating to KTP's, please refer to the Specific Criteria for Accreditation: Mechanical Testing (AS LAB C4), Appendix 2, or, if you have any questions, please get in touch with either myself (jroberts@ianz.govt.nz) or your Lead Assessor.

Jason Roberts

Programme Manager – Mechanical & Gas Cylinder Programmes





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SmartPulse

All-In-One 18 kN Electro-Mechanical Dynamic Testing System

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SmartPulse meets the NZTA M10 performance-based test requirements.

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[Check out Geotechnics website for more information.](#)

CONNEXIS UPDATE

⇒ **NZC IN CIVIL ENGINEERING LABORATORY (LEVEL 4)**

- There are 5 people that have completed the lab qualification since it started .
- There were 13 people at the start of 2023.
- There are 26 people currently enrolled for 2024.

Link to course :

<https://www.connexis.org.nz/wp-content/uploads/2021/10/L4-Civil-Lab-Brochure.-TePukenga.pdf>

⇒ **NZC IN CIVIL ENGINEERING LABORATORY (LEVEL 5)**

- There are 4 people that have completed the qualification since it started .
- There were 6 people at the start of 2023.
- There are 0 people currently enrolled for 2024.

Link to course:

<https://www.connexis.org.nz/wp-content/uploads/2021/10/L5-Civil-Lab-Brochure.-TePukenga.pdf>





Benjamin Warne

Careers & Events / Committee

COMMITTEE MEMBER PROFILE BENJAMIN WARNE

G'Day,

I am Benjamin Warne, currently working as the Laboratory Business Manager at Fulton Hogan Auckland, overseeing at present the Reliable Way Laboratory and the number of projects we are servicing but am in the midst of expanding our operations into both Auckland North (Silverdale) and Auckland South (Drury).

I have been involved in the industry for over 20years in one capacity or another. I started my career in Sydney as an Asphalt Technician which expanded into a role managing the QC for a Roothing project crossing the NSW and Victoria border. From here I relocated to Brisbane where part of my responsibilities were to oversee quarry and asphalt operations from a QC point, manage mix designs and set up project asphalt plants and labs.

The majority of the past 15years I jumped ship to the Client side of things and worked as Quality/Technical Manager on a number of Major Projects around Australia specialising in >\$200M builds, the majority of these in remote locations so problem solving and being able to develop fluid work methodologies were a requirement as we encountered differing conditions on the regularity. FIFO works sounds great and your accountant may like the numbers it can generate but when you spend more time in airport lounges than those in your own house it becomes tiring quickly. This late realisation led to my shift to New Zealand.

In NZ I have been involved in all areas of the Civil Engineering Testing industry looking after Aggregates, Concrete, Binders, Asphalt and Field Testing ,getting my hands dirty as needed or overseeing businesses that work in these fields.

At present I am developing both an Engineer Progression Plan that will provide our newly graduated Engineers a framework through our Civil Engineering Testing Laboratories to gain the hands on knowledge that they miss out on during their studies before heading onto site based roles. Also a Development and Progression Plan for people with no industry experience that can be followed into either Higher Education and/or different roles within the business.

Cheers.





GEOTECHNICS

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Gyro Research offers a fully automatic compaction procedure based on Superpave principals, it is robust and flexible for everyday and research use and is the only gyratory compactor currently available in New Zealand that fully complies with all world standards including AS/NZS.

[Check out Geotechnics website for more information.](#)



CIVIL ENGINEERING LAB TECHNICIAN

Just the Job goes behind the scenes to find out what it takes to become a civil engineering lab technician, click the link below to watch the Video on YouTube.

<https://www.youtube.com/watch?v=lHYoa91Njsg&t=63s>

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

