

13 August 2024

To: CPT Stakeholders



## **CETANZ Makes Significant Progress in Standardising CPT Testing in New Zealand**

The Civil Engineering Testing Association of New Zealand (CETANZ) is pleased to announce significant progress in ensuring the consistency and accuracy of Cone Penetration Testing (CPT) across the industry. This update highlights the development and implementation of the CETANZ Technical Guideline (TG6) and the recent audit results.

### **Addressing Inconsistency Concerns:**

Previously, stakeholders expressed concerns about the variability in CPT results obtained from different contractors. To address this, CETANZ in collaboration with CPT operators and the engineering community developed TG6. This guideline establishes a consistent approach for data collection, interpretation and reporting. This ultimately boosts stakeholder confidence in the quality and reliability of CPT results to meet the international standard ISO 22476-1:2012.

### **Successful Implementation of TG6 and Audits:**

Following the creation of TG6, CETANZ CPT group agreed on, approached and appointed suitably experienced subject matter experts (SME's) as auditors across New Zealand. These auditors collaboratively developed procedures to assess adherence to the technical and reporting requirements of ISO 22476-1 using TG6. The recent audits are positive with participating companies successfully meeting the established technical aspects of the guideline. While some minor improvements in reporting are desirable, these are considered readily achievable.

### **Benefits and Recognition:**

This achievement signifies a major step forward in ensuring the reliability and accuracy of CPT data throughout the industry. The successful implementation of TG6 and the audit process is a testament to the commitment and cooperation of all involved CPT operators.

CETANZ will publish the list of IANZ accredited and audited companies who have met the ISO 22476-1/TG6 requirements as attached to this letter on its website. Recognizing these companies acknowledges their efforts in upholding quality standards.

Furthermore, CETANZ recommends that the wider geotechnical engineering community recognize these audited companies as meeting these minimum requirements.

**Looking Forward:**

CETANZ remains committed to maintaining high testing quality through regular internal audits with updates communicated through their website. The ultimate goal for the CPT group is for service providers to achieve ISO 17025 accreditation (IANZ), the highest quality assurance standard.

Moving forward, CETANZ urges the industry to recognize the collaborative success of the CPT working group and its members to develop and audit compliance to TG6 guidelines.

When specifying CPT testing, CETANZ recommend a minimum requirement of utilizing operators audited and compliant with ISO 22476-1 and/or the TG6 guidelines as per the list service providers below.

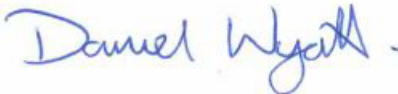
CETANZ remains dedicated to continuous improvement of CPT testing practices and will keep stakeholders informed of future developments. They appreciate your continued support in promoting best practices in CPT testing.

Yours sincerely



Marco Holtrigter

CETANZ CPT Group Lead



Danny Wyatt

CETANZ Chair

<b>Service providers audited to ISO 22476-1:2012/CETANZ TG6</b>		
<b>Company</b>	<b>Location</b>	<b>Website</b>
Core50	Hamilton	<a href="http://www.core50.nz">www.core50.nz</a>
Drillcore	Rotorua	<a href="http://www.drillcore.co.nz">www.drillcore.co.nz</a>
Drillforce	Auckland	<a href="http://www.drillforce.co.nz">www.drillforce.co.nz</a>
Geodata Solutions NZ	Whangarei	<a href="http://www.gdsnz.co.nz">www.gdsnz.co.nz</a>
Geotech Drilling	Taupo	<a href="http://www.geotechdrilling.co.nz">www.geotechdrilling.co.nz</a>
Geotechnics	Christchurch	<a href="http://www.geotechnics.co.nz">www.geotechnics.co.nz</a>
Griffiths Drilling	Wellington	<a href="http://www.griffithsdrilling.co.nz">www.griffithsdrilling.co.nz</a>
Ground Investigation Ltd	Auckland, Christchurch, Dunedin	<a href="http://www.g-i.co.nz">www.g-i.co.nz</a>
Ground Link	Hamilton	<a href="http://www.groundlink.nz">www.groundlink.nz</a>
Land Tech	Auckland, Christchurch	<a href="http://www.landtech.nz">www.landtech.nz</a>
LDE	Gisborne	<a href="http://www.lde.co.nz">www.lde.co.nz</a>
McMillan Drilling	Auckland, Christchurch	<a href="http://www.drilling.co.nz">www.drilling.co.nz</a>
Perry Geotech	Tauranga	<a href="http://www.perrygeotech.co.nz">www.perrygeotech.co.nz</a>
Probase	Hamilton	<a href="http://www.probase.co.nz">www.probase.co.nz</a>
Prodrill	Auckland, Wellington, Christchurch	<a href="http://www.prodrill.co.nz">www.prodrill.co.nz</a>
RDCL	Hastings	<a href="http://www.rdcl.co.nz">www.rdcl.co.nz</a>
Soil and Sample	Whangarei	<a href="http://www.soilandsample.nz">www.soilandsample.nz</a>
Topdrill	Tauranga	<a href="http://www.topdrill.co.nz">www.topdrill.co.nz</a>
Underground Investigation	Keri Keri	<a href="http://www.undergroundinvestigation.co.nz">www.undergroundinvestigation.co.nz</a>
Webster Drilling	Wellington	<a href="http://www.websterdrilling.com">www.websterdrilling.com</a>
<b>IANZ accredited service providers:</b> Service providers that are IANZ accredited and testing in accordance with TG6 are automatically accepted as compliant however may not feature in this list of audited service providers.		
<b>Company</b>	<b>Location</b>	<b>Website</b>
Geocivil	Christchurch, Whangarei	<a href="http://www.geocivil.co.nz">www.geocivil.co.nz</a>
Geotechnics	Auckland, Christchurch	<a href="http://www.geotechnics.co.nz">www.geotechnics.co.nz</a>
WSP Laboratory	Hamilton	<a href="http://www.wsp.com">www.wsp.com</a>