

AGS Laboratories Working Group

John Masters
Geolabs Limited

AGS Laboratories Group

- **Permanent objectives**
- Provide a forum for discussion of commercial issues.
- Provide a forum for discussion of issues affecting the testing sector of the ground industry (eg Health and Safety, accreditation, training)
- Facilitate co-ordination of industry views and comments on new legislation, regulations and standards. (eg current work in CEN/TC 341)
- Support external accreditation.

Our work

Geotechnical Laboratory Standards:

- UK input into CEN/ISO standards on Geotechnical Laboratory testing
- Parts 1 (water content) and 2 (bulk density) Published **31/12/2014**, BS EN ISO 17892-1 and BS EN ISO 17892-2
- Parts 3 (Density of Solid Particles) published **31/12/2015** and 4 (Particle Size Distribution) **to be published soon** (minor delay) BS EN ISO 17892-3 and BS EN ISO 17892-4.
- Parts 5 (Incremental oedometer) and 6 (Fall cone). **Will be published this year.**
- Part 7: Unconfined compression tests, Part 8: Unconsolidated undrained triaxial test and Part 9: Consolidated triaxial compression tests. **ALL COMING SOON for PUBLIC COMMENT**
- 3 more to come relating to liquid and plastic limits, shearbox and permeability testing to come.

BS EN ISO 17892 Proposed Standards

New Standard	Test	Superseded/will supersede	Current Status	Publication
BS EN ISO 17892-1	Moisture/Water content	BS1377-2, Sub-clause 3.2	Published	31/12/2014
BS EN ISO 17892-2	Bulk density	BS1377-2, Sub-clauses 7.2, 7.3 and 7.4	Published	31/12/2014
BS EN ISO 17892-3	Particle density	BS1377-2, Sub-clause 8.3	Approved for publication	15/01/2016 (1)
BS EN ISO 17892-4	Particle size distribution	BS1377-2, Clause 9	At Formal Vote	early 2016
BS EN ISO 17892-5	Incremental oedometer	BS1377-5, Clause 3	Submitted for Formal Vote	mid 2016
BS EN ISO 17892-6	Fall cone	No BS equivalent	Reviewing public comments	mid 2016
BS EN ISO 17892-7	UCS test	BS1377-7, Clause 5	Parallel Enquiry imminent (2)	early 2017
BS EN ISO 17892-8	UU triaxial test	BS1377-7, Clause 7	Parallel Enquiry imminent	early 2017
BS EN ISO 17892-9	CID, CIU and CAU tests	BS1377-8 (replaced in its entirety)	Parallel Enquiry imminent	early 2017
BS EN ISO 17892-10	Shear-box and ring-shear	BS1377-7, Clauses 4, 5 and 6	Under revision in WG6	late 2017
BS EN ISO 17892-11	Permeability tests	BS1377-5, Clause 5 and BS1377-6, Clause 5	Under revision in WG6	late 2017
BS EN ISO 17892-12	Plasticity Index tests	BS1377-2, Clauses 4 and 5	Under revision in WG6	late 2017

Our work

Geotechnical Laboratory Standards:

Input into future of BS1377 Parts 1-8 – major changes needed as a result of CEN/ISO standards on Geotechnical Laboratory testing – what is the future

- **Watch out for amendment to Part 1 very soon**
- **Proposed revision to Part 3 coming soon**

Our work

Geotechnical Laboratory Standards:

Input into future of BS1377 Parts 1-8 – major changes needed as a result of CEN/ISO standards on Geotechnical Laboratory testing – what is the future

- **Watch out for amendment to Part 1 very soon**
- **Proposed revision to Part 3 coming soon**

Our Work

A successful seminar was held in October 2015

Quality Results in Ground Investigation

- focused on site investigation, what laboratories can provide and the importance of quality sampling.

Well attended and targeted at consultants,
presentations available on AGS website

Who is represented

- ALcontrol Laboratories,
- ALS Environmental,
- British Geological Survey,
- Derwentside Environmental,
- ELAB,
- Envirolab,
- Fugro,
- Geolabs,
- Geotechnics,
- Ian Farmer Associates,
- National Laboratory Service,
- Norfolk Partnership Laboratory,
- Southern Testing Laboratories,
- Structural Soils,
- UKAS

Who is represented

- Your company not listed?
- WHY NOT?

What should we be doing

- Ensuring quality throughout the industry!

AGS Laboratories WG

Thanks to all of the Working Group
and
Thank You for listening