



It has been 25 years Since BS1377 was last updated. In this time technical innovations and our knowledge on how best to perform some tests have moved on.

The CEN and ISO identified an urgent need for a set of European testing methods when BSEN 1997 – I and BSEN 1997 – 2 (Eurocode 7) were being drafted. Laboratory testing is an integral part of Eurocode 7, therefore laboratories and engineers need to comply with EC7 requirements. The drive is also to be part of a Europe wide process of harmonising Standards to remove trade barriers.

### Where are we now

BS EN ISO 17892 – I Water Content and BS EN ISO 17892 – 2 Bulk Density were both published by BSI on 31st December 2014. On the same day BS 1377 – 2:1990 Clause 3.2 Moisture Content and BS 1377 – 2:1990 Clause 7.1 to 7.4 Density were withdrawn.

## What is replacing BSI377

**BSEN ISO 17892** will consist of an initial 12 geotechnical laboratory test methods.

Part I - Water Content

Part 2 - Bulk Density

Part 3 - Particle Density

Part 4 - Particle Size Distribution

Part 5 - Incremental Oedometer

Part 6 - Fall - Cone Test

Part 7 - UCS Test

Part 8 – UU "Quick" Triaxial Test

Part 9 - Consolidated Triaxial tests in Compression

Part 10 - Shear Box and Ring Shear Test

Part II - Permeability Test

Part 12 - Plastic and Liquid Limit Test



# So what stage are we at

BSEN ISO 17892 - 3 Particle Density is expected to be published around the end of 2015. It will supersede BS1377 Part 2: 1990 Clauses 8.3 and 8.4

BSEN ISO 17892 - 4 Particle Size Distribution is expected to be published around March 2016. It will supersede BS1377 Part 2: 1990 Clauses 9.1 to 9.5

BSEN ISO 17892 - 5 Incremental Oedometer is expected to be published around the middle of 2016. It will supersede BS1377 Part 5: 1990 Clauses 3.1 to 3.7

BSEN ISO 17892 – 6 Fall Cone. There is no Fall Cone in **BSI377** 

BSEN ISO 17892 - 7 UCS Test

BSEN ISO 17892 - 8 UU Triaxial Test

BSEN ISO 17892 – 9 CD/CU Triaxial Test

BSEN ISO 17892 – 12 Plasticity Test

The above 4 are expected to be published by early 2017 They will supersede parts of BS1377 Part 2 large parts of BSI377 Part 7 and all of BSI377 Part 8

BSEN ISO 17892 – 10 Shear Box and Ring Shear Test

BSEN ISO 17892 - 11 Permeability Test

The above 2 are expected to be published by the end of 2017. They will supersede large parts of BS1377 Part 5, BSI377 Part 6 and BSI377 Part 7



### Where does this leave you?

At the moment there are only a small selection of laboratories who are accredited to the BSEN ISO 17892 tests? Until all the changes are implemented engineers have a choice of scheduling to BS1377 or to BSEN ISO 17892.

i2 Analytical is moving towards integration to these new standards and will inform clients as and when these have been implemented to our accreditation status

These changes affect companies within the geotechnical industry and i2 are here to assist you in this journey.









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