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GEOTECHNICAL INVESTIGATION AND TESTING - LABORATORY TESTING OF SOIL - PART 3: DETERMINATION OF PARTICLE DENSITY - PYCNOMETER METHOD (ISO/TS 17892-3:2004)

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Geotechnical investigation and testing - Laboratory testing of soil - Part 3: Determination of particle density - Pycnometer method (ISO/TS 17892-3:2004)

Reconnaissance et essais géotechniques - Essais de sol au laboratoire - Partie 3: Détermination de la masse volumique des grains - Méthode du pycnomètre (ISO/TS 17892-3:2004)

Geotechnische Erkundung und Untersuchung - Laborversuche an Bodenproben - Teil 3: Bestimmung der Korndichte - Pyknometerverfahren (ISO/TS 17892-3:2004)

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Foreword

This document (CEN ISO/TS 17892-3:2004) has been prepared by Technical Committee CEN/TC 341 “Geotechnical investigation and testing”, the secretariat of which is held by DIN, in collaboration with Technical Committee ISO/TC 182 “Geotechnics”.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this Technical Specification: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

CEN ISO/TS 17892 consists of the following parts, under the general title *Geotechnical investigation and testing — Laboratory testing of soil*:

— Part 1: Determination of water content

— Part 2: Determination of density of fine grained soil

— Part 3: Determination of particle density - Pycnometer method

— Part 4: Determination of particle size distribution

— Part 5: Incremental loading oedometer test

— Part 6: Fall cone test

— Part 7: Unconfined compression test on fine grain soils

— Part 8: Unconsolidated undrained triaxial test

— Part 9: Consolidated triaxial compression tests on water saturated soils

— Part 10: Direct shear tests

— Part 11: Determination of permeability by constant and falling head

— Part 12: Determination of the Atterberg limits

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Introduction

This document covers areas in the international field of geotechnical engineering never previously standardised. It is intended that this document presents broad good practice throughout the world and significant differences with national documents is not anticipated. It is based on international practice (see [1]).

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