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Irish Standard
I.S. EN 16016-2:2011

Non destructive testing - Radiation methods - Computed tomography - Part 2: Principle, equipment and samples

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EN 16016-2

August 2011

ICS 19.100

English Version

Non destructive testing - Radiation methods - Computed tomography - Part 2: Principle, equipment and samples

Essais non destructifs - Méthodes par rayonnements - Tomographie numérisée - Partie 2 : Principes, équipements et échantillons

Zerstörungsfreie Prüfung - Durchstrahlungsverfahren - Computertomographie - Teil 2: Grundlagen, Geräte und Proben

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Foreword

This document (EN 16016-2:2011) has been prepared by Technical Committee CEN/TC 138 “Non-destructive testing”, the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2012, and conflicting national standards shall be withdrawn at the latest by February 2012.

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— *Non destructive testing — Radiation methods — Computed tomography — Part 1: Terminology*;

— *Non destructive testing — Radiation methods — Computed tomography — Part 2: Principle, equipment and samples*;

— *Non destructive testing — Radiation methods — Computed tomography — Part 3: Operation and interpretation*;

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Introduction

This document gives guidelines for the general principles of X-ray computed tomography (CT) applicable to industrial imaging (in the context of this standard, industrial means non-medical applications); it also gives a consistent set of CT performance parameter definitions, including how these performance parameters relate to CT system specifications. This document deals with computed axial tomography and excludes other types of tomography such as translational tomography and tomosynthesis.

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