

Non-destructive testing — Methodology for qualification of non-destructive tests

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National foreword

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Essai non destructif - Méthodologie pour la qualification des méthodes d'essais non destructifs

Zerstörungsfreie Prüfung - Vorgehensweise zur Qualifizierung von zerstörungsfreien Prüfungen

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Contents

Foreword..... 3

1 Scope 5

2 Normative references 6

3 Terms and definitions 6

4 General principles..... 8

5 Qualification phases, steps and responsibilities 8

Annex A (informative) Elements of NDT qualification process 14

A.1 Practical assessment 14

A.2 Technical justification 14

A.3 Qualification of NDT procedure..... 15

A.4 Training of NDT personnel..... 15

A.5 Qualification feedback 15

Annex B (informative) Input information to be made available prior to NDT qualification..... 16

Foreword

This document (CEN/TR 14748:2004) has been prepared by Technical Committee CEN/TC 138 “Non-destructive testing”, the secretariat of which is held by AFNOR.

Introduction

Non-destructive tests (NDT) are typically one of a great number of activities within the quality assurance at manufacture or during maintenance of industrial products, where the objective is to ensure a defined or agreed product quality.

This is especially the case if the non-destructive tests are carried out according to standards or other accepted technical codes.

Qualification of a non-destructive test may be necessary in the case of non standardised NDT or if the NDT does not fully comply with the appropriate standard to ensure a defined or agreed product-quality. The objective of qualification is to provide confidence in the non-destructive test itself and also in its continued performance. Non-destructive tests, however, will not in themselves provide statements on product safety or on the lifetime of a product.

Qualification should also be considered when there are reasons to provide additional assurance that the NDT can meet the inspection requirements.