

# European standard

**NF EN ISO 17640**

March 2011

## French standard

Classification index: **A 89-520****ICS: 25.160.40**

Non-destructive testing of welds

### Ultrasonic testing

#### Techniques, testing levels, and assessment

F : Contrôle non destructif des assemblages soudés Contrôle par ultrasons —  
Techniques, niveaux d'essai et évaluation

D : Zerstörungsfreie Prüfung von Schweißverbindungen — Ultraschallprüfung —  
Techniken, Zulässigkeitsgrenzen und Bewertungskriterien

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#### **French standard approved**

by decision of the Director General of AFNOR on February 23, 2011 taking effect on March 23, 2011.

Replaces the approved standard NF EN 1714 dated October 1997 and its amendments A1 dated December 2002 and A2 dated July 2004.

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#### **Correspondence**

The European standard EN ISO 17640:2010 has the status of French standard and reproduces in full the international standard ISO 17640:2010.

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#### **Analysis**

This document specifies techniques for the manual ultrasonic testing of fusion-welded joints in metallic materials of thickness greater than or equal to 8 mm. It thus supplements standards NF EN ISO 11666, NF EN ISO 17635 and NF EN ISO 23279.

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#### **Descriptors**

**Technical International Thesaurus:** fusion welding, metals, nondestructive tests, quality control, level: quantity, weld defects, ultrasonic tests, testing conditions, thickness, acceptability.

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#### **Modifications**

With respect to the replaced documents, the main modifications involve:

- the addition of methods for adjusting the reference level and the assessment level that have been withdrawn from standard NF EN ISO 11666 (revision of standard NF EN 1712 of November 1997 and its amendments A1 and A2;
- editorial balancing of the text with that of ISO 17640:2005 which co-existed previously with the European standard.

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#### **Corrections**





English Version

**Non-destructive testing of welds - Ultrasonic testing -  
Techniques, testing levels, and assessment (ISO 17640:2010)**

Contrôle non destructif des assemblages soudés - Contrôle  
par ultrasons - Techniques, niveaux d'essai et évaluation  
(ISO 17640:2010)

Zerstörungsfreie Prüfung von Schweißverbindungen -  
Ultraschallprüfung - Techniken, Zulässigkeitsgrenzen und  
Bewertungskriterien (ISO 17640:2010)

This European Standard was approved by CEN on 27 November 2010.

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