

2024-09-04

ISO/FDIS 15613:2024(E)

ISO/TC 44/SC 10

Secretariat: DIN

Date: 2025-05-07

Specification and qualification of welding procedures for metallic materials — Qualification based on a pre-production welding test

Descriptif et qualification d'un mode opératoire de soudage pour les matériaux métalliques — Qualification sur la base d'un assemblage soudé de préproduction

iTeh Standards
(<https://standards.itih.ai>)
Document preview
FDIS stage

ISO/FDIS 15613

<https://standards.itih.ai/catalog/standards/iso/1eb028ea-485d-47c8-b6e1-697da55bce94/iso-fdis-15613>

© ISO 20242025

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11

Fax: +41 22 749 09 47

E-mail: copyright@iso.org
Website: www.iso.org

Published in Switzerland

iTeh Standards (<https://standards.iteh.ai>) Document Preview

ISO/FDIS 15613

<https://standards.iteh.ai/catalog/standards/iso/1eb028ea-485d-47c8-b6e1-697da55bce94/iso-fdis-15613>

Contents

Foreword.....	v
Introduction.....	vii
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	2
4 Preliminary welding procedure specification (pWPS)	2
5 Qualification of the welding procedure.....	3
6 Welding of test pieces.....	3
7 Testing.....	3
8 Range of qualification.....	4
9 Validity.....	4
10 Welding procedure qualification record (WPQR)	4
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2014/68/EU (PED) aimed to be covered	5
Bibliography	9
Foreword.....	4
Introduction.....	6
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	2
4 Preliminary welding procedure specification (pWPS)	2
5 Qualification of the welding procedure.....	3
6 Welding of test pieces.....	3
7 Testing.....	4
7.1 Fusion welding.....	4
7.2 Resistance welding.....	4
7.2.1 Spot, seam and projection welding.....	4
7.2.2 Upset (resistance butt) and flash welding	4
8 Range of qualification.....	4
9 Validity.....	4
10 Welding procedure qualification record (WPQR)	4
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2014/68/EU (PED) aimed to be covered	6
Bibliography	10