ISO/FDIS 23225

ISO/TC 156/SC 1

Secretariat: SAC

Date: 2024-12-262025

Corrosion control engineering life cycle in nuclear power plants — General requirements

iTeh Standards

FDIS stage

ISO/FDIS 23225

Warning for WD's and CD's

This document is not an ISO International Standard. It is distributed for review and comment. It is subject to change without notice and may not be referred to as an International Standard.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

ISO/FDIS 23225

https://standards.iteh.ai/catalog/standards/iso/359e4005-cc32-4adf-a67a-83bed48875d2/iso-fdis-23225

ISO/FDIS 23225:20242025(en)

© ISO 2025

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 E-mail: copyright@iso.org

Published in Switzerland

Website: www.iso.org

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

ISO/FDIS 23225

https://standards.iteh.ai/catalog/standards/iso/359e4005-cc32-4adf-a67a-83bed48875d2/iso-fdis-23225

ISO/FDIS 23225:20242025(en)

Contents

Forev	vord	v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principle	1
5	Objectives	2
6	Corrosion sources	2
7	Materials	2
8	Technology	
9	Design	
10	Development	
11	Manufacturing	4
12	Transportation and storage	5
13	Construction and installation	
14	Commissioning and acceptance	5
15	Operation	6
16	Testing and inspectionTesting and inspection	6
17	Maintenance and repair	6
18	Life extension and scrapping	
19	Documents and records ISO/FDIS 23225	7
20 20.1	s://standards.iteh.ai/catalog/standards/iso/359e4005-cc32-4adf-a67a-83bed48875d2/iso-fc Resource management	8
20.1	General requirement	
20.3	General requirement	
20.4	Materials	
20.5	Procedures	
20.6	Environment	
21	Comprehensive assessment	8
Anne	x A (informative) Schematic diagrams of the composition of the three main types of nuclear power plant	10
D.1 1.	nuclear power plant	10
KINIIC	ngranny	17

ISO/FDIS 23225:20242025(en)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 156, Corrosion of metals and alloys, Subcommittee SC 1, Corrosion control engineering life cycle.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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

ISO/FDIS 23225

https://standards.iteh.ai/catalog/standards/iso/359e4005-cc32-4adf-a67a-83bed48875d2/iso-fdis-23225