



INTERNATIONAL STANDARD ISO 10303-215:2004
TECHNICAL CORRIGENDUM 1

Published 2008-12-15

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

**Industrial automation systems and integration — Product data
representation and exchange —**

**Part 215:
Application protocol: Ship arrangement**

TECHNICAL CORRIGENDUM 1

*Systèmes d'automatisation industrielle et intégration — Représentation et échange de données de produits —
Partie 215: Protocole d'application: Aménagement des navires*

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to ISO 10303-215:2004 was prepared by Technical Committee ISO/TC 184,
Automation systems and integration, Subcommittee SC 4, *Industrial data*.

Introduction

The purpose of the modifications to the text of ISO 10303-215:2004 is to correct errors in the Global Rule EXPRESS definitions likely to cause compilation problems, to correct errors in the Mapping Specification, to allow unique identification of geometric surfaces to improve interoperability between this standard and other standards within the suite of shipbuilding application protocols, and to replace the object identifier for the document and the applicable schema.

Modifications to the text of ISO 10303-215:2004

Page 3, Normative references

The purpose for this change is to replace the Normative reference of ISO/TS 10303-28 with the 2007 version. Replace the reference to ISO/TS 10303-28 with the following text.

ISO 10303-28, *Industrial automation systems and integration — Product data representation and exchange — Part 28: Implementation methods: XML representations of EXPRESS schemas and data, using XML schemas.*

Page 20, 4.1.19

The purpose for this change is to allow unique identification of geometric surfaces to improve interoperability between this standard and other standards within the suite of shipbuilding application protocols using the existing Global_id application object. Add Surface_with_identifier application object to the ARM in the surface_representations UoF. Replace second paragraph with the following corrected text.

The following application objects are used by the surface_representations UoF:

- Non_manifold_surface_shape;
- Surface_with_identifier.

Page 146

The purpose for this change is to add Surface_with_identifier application object to the ARM. Insert the following new subclause after 4.2.160. Renumber succeeding subclauses accordingly. Add surface_with_identifier to Index.

4.2.161 Surface_with_identifier

A Surface_with_identifier is a geometric surface of any of the surface types allowed within a Non_manifold_surface_shape_representation, as specified by ISO 10303-508, additionally constrained to include a persistent, global identifier which uniquely identifies the surface.

NOTE The capability for persistent, globally unique surface identification is provided to aid in the interoperability and reuse of data between this part of ISO 10303, ISO 10303-216, and ISO 10303-218. A receiving system that has stored a surface with persistent identifier from an exchange file conforming to this part of ISO 10303 may be able to identify that the surface is an identical copy of one that is received in a separate exchange file conforming to ISO 10303-216 or 10303-218.

The data associated with a Surface_with_identifier are the following:

- id.

4.2.161.1 id

The id specifies the globally unambiguous identifier for the surface. See 4.3.133 for the application assertion.