



INTERNATIONAL STANDARD ISO 10303-52:2011
TECHNICAL CORRIGENDUM 1

Published 2014-07-01

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

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

Part 52:

**Integrated generic resource:
Mesh based topology**

TECHNICAL CORRIGENDUM 1

*Systèmes d'automatisation industrielle et intégration — Représentation et échange de données de
produits - Partie 52 Ressources génériques intégrées: Topologie du réseau*

RECTIFICATIF TECHNIQUE 1

[ISO 10303-52:2011/Cor 1:2014](https://standards.iteh.ai/catalog/standards/iso/fc46c28a-6ca3-4b2b-b208-9b67801653e4/iso-10303-52-2011-cor-1-2014)

<https://standards.iteh.ai/catalog/standards/iso/fc46c28a-6ca3-4b2b-b208-9b67801653e4/iso-10303-52-2011-cor-1-2014>

Technical Corrigendum 1 to International Standard ISO 10303-52:2011 was prepared by Technical Committee ISO/TC 184,
Automation systems and integration, Subcommittee SC 4, *Industrial data*.

Included Bugzilla reports: Bug 3439, Bug 4617, 4813

ICS 25.040.40

Ref. No. ISO 10303-52:2011/Cor.1:2014(E)

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Published in Switzerland

Introduction

This Technical Corrigendum applies to ISO 10303-52:2011.

The purpose of the modifications to the text of ISO 10303-52:2001 is to correct errors relating to incorrect inclusion of a polygon cell shape. Corrections are made to the text, a table, to correct the EXPRESS in 3 entity definitions and to one EXPRESS function, and to update the document identifiers in annex B.

iTeh Standards
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[ISO 10303-52:2011/Cor 1:2014](https://standards.iteh.ai/catalog/standards/iso/fc46c28a-6ca3-4b2b-b208-9b67801653e4/iso-10303-52-2011-cor-1-2014)

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Modifications to the text of ISO 10303-52:2011

Page vi, tables

Delete the entry for table 2 and replace with:

Table 2 Edges of triangle and quadrilateral cells 27

Page 14, 4.3.1 array_based_unstructured_mesh

Some attributes referenced in the EXPRESS are not properly defined, Remove the EXPRESS definition of this entity and replce with:

EXPRESS specification:

```
*)
ENTITY array_based_unstructured_mesh
  SUBTYPE OF (unstructured_mesh);
  cells : ARRAY [1 : SELF\unstructured_mesh.cell_count] OF vertex_defined_cell;
WHERE
  wr1: SELF\mesh.index_count = 1;
END_ENTITY;
(*
```

Page 26, 4.3.1 explicit_unstructured_mesh

An attribute referenced in the EXPRESS is not properly defined, Remove the EXPRESS definition of this entity and replace with:

EXPRESS specification:

```
*)
ENTITY explicit_unstructured_mesh
  SUBTYPE OF (unstructured_mesh);
  explicit_model : fea_model;
  cells : ARRAY [1 : SELF\unstructured_mesh.cell_count] OF UNIQUE element_represent
END_ENTITY;
(*
```

Page 27, table 2

This table contains information on polygon cells which are not included in ISO 10303-52. Remove table 2 completely and replace with:

Page 34, 4.3.21 vertex_defined_cell *The description of the **vertices** attribute contains an inappropriate reference to plygon. Remove the current description and replace with:*