INTERNATIONAL STANDARD ISO 10303-44:1994
TECHNICAL CORRIGENDUM 1

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

Part 44:
Integrated generic resources: Product structure configuration

TECHNICAL CORRIGENDUM 1

Systèmes d'automatisation industrielle et intégration — Représentation et échange de données de produits —

Partie 44: Ressources génériques intégrées: Configuration de structure de produits

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to International Standard ISO 10303-44:1994 was prepared by Technical Committee ISO/TC 184, *Industrial automation systems and integration*, Subcommittee SC 4, *Industrial data*.

Introduction

This document corrects ISO 10303-44:1994, *Product data representation and exchange — Part 44: Integrated generic resources: Product structure configuration.* The corrected document supersedes ISO 10303-44:1994.

The purpose of the modifications to the text of ISO 10303-44:1994 is to correct errors in the EXPRESS definitions likely to cause compilation problem, to replace the annex for the computer-interpretable EXPRESS with a URL reference, to correct a logical error in an entity, and to replace the object identifier for the document and the schema.

Modifications to the text of ISO 10303-44:1994

Clause 4.3.2, p. 8

The EXPRESS specification for WR1: incorrectly references an attribute and not the entity. Remove the EXPRESS specification and replace with the following:

<u>EXPRESS specification</u>:

```
*)
ENTITY product_definition_usage
  SUPERTYPE OF (ONEOF (make_from_usage_option,
                       assembly_component_usage))
  SUBTYPE OF (product_definition_relationship);
UNIQUE
  UR1: SELF\product_definition_relationship.id,
       SELF\product_definition_relationship.relating_product_definition,
       SELF\product_definition_relationship.related_product_definition;
WHERE
  WR1:  acyclic_product_definition_relationship
          (SELF,
          [SELF\product_definition_relationship.related_product_definition],
          'PRODUCT_STRUCTURE_SCHEMA.PRODUCT_DEFINITION_USAGE');
END_ENTITY;
(*
```

Clause 6.3.3, p. 24

The EXPRESS specification for the IS version of ISO 10303-44 had a Formal proposition to have the product_definition_effectivity.usage refer to a constituent of the product_definition_formation referenced by the configuration entity. The EXPRESS for the Formal Proposition had a function relatives_of_product_definitions in WR that was incorrect. The ISO 10303 NWI/CD 10303-44 resolution was to remove the Formal proposition.

Remove the EXPRESS specification and replace with the following:

<u>EXPRESS specification</u>:

```
*)
ENTITY configuration_effectivity
  SUBTYPE OF (product_definition_effectivity);
  configuration : configuration_design;
UNIQUE
  UR1: configuration,
       usage,
       id;
WHERE
  WR1: 'PRODUCT_STRUCTURE_SCHEMA.PRODUCT_DEFINITION_USAGE' IN
        TYPEOF (SELF\product_definition_effectivity.usage);
END_ENTITY;
(*
```

In the Formal propositions, delete the following:

WR1: The usage shall refer to a constituent of the **product_definition_formation** referenced by the **configuration**.

WR2: The usage shall be a **product_definition_usage**.

In the Formal propositions, add the following:

WR1: The usage shall be a **product_definition_usage**.

Annex B.1, p. 26
With the changes identified in this Technical Corrigendum, the object identifier for this part of ISO 10303 has changed. Remove the object identifier for the document and replace with the following:

{ iso standard 10303 part(44) version (2) }

Annex B.2.1, p. 26
With the changes identified in this Technical Corrigendum, the object identifier for the product_structure_schema has changed. Remove the object identifier for the product_structure_schema and replace with the following:

{ iso standard 10303 part(44) version (2) object(1) product-structure-schema(1) }