



INTERNATIONAL STANDARD ISO 10303-101:1994 TECHNICAL CORRIGENDUM 1

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

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

Part 101:

Integrated application resources: Draughting

TECHNICAL CORRIGENDUM 1

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

Partie 101: Ressources d'application intégrées: Dessins techniques

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to International Standard ISO 10303-101:1994 was prepared by Technical Committee ISO/TC 184, *Industrial automation systems and integration*, Subcommittee SC 4, *Industrial data*.

Introduction

This document corrects ISO 10303-101:1994, *Product data representation and exchange — Part 101: Integrated application resources: Draughting*. The corrected document supersedes ISO 10303-101:1994.

The purpose of the modifications to the text of ISO 10303-101:1994 is to correct errors in the EXPRESS definitions likely to cause compilation problems, to replace the annex for the computer-interpretable EXPRESS with a URL reference, and to replace the object identifiers for the document and the schema.

Modifications to the text of ISO 10303-101:1994

Clause 4.4.6, p. 9

The EXPRESS specification of drawing_sheet_revision_usage contained logical errors in the WHERE rules. WR1 requires additional sets of parentheses for proper evaluation. Delete WR1 and replace WR1 with the following:

```
WR1: ( 'DRAWING_DEFINITION_SCHEMA.DRAWING_SHEET_REVISION' IN
      TYPEOF(SELF\area_in_set.area))
AND
( 'DRAWING_DEFINITION_SCHEMA.DRAWING_REVISION'
  IN TYPEOF(SELF\area_in_set.in_set));
```

Clause 5.4.1, p. 15

The EXPRESS specification and the Formal proposition of dimension_curve contained errors in the WHERE rules. Delete the EXPRESS specification for dimension_curve and replace with the following:

EXPRESS specification:

```
*)
ENTITY dimension_curve
  SUBTYPE OF (annotation_curve_occurrence);
WHERE
  wr1: (SIZEOF(
    QUERY(dct <* USEDIN(SELF, 'DRAUGHTING_ELEMENT_SCHEMA.' +
      'TERMINATOR_SYMBOL.ANNOTATED_CURVE')
    | (('DRAUGHTING_ELEMENT_SCHEMA.' +
      'DIMENSION_CURVE_TERMINATOR' IN TYPEOF(dct))
    ))
    ) <= 2);
  wr2: SIZEOF(
    QUERY( dcdc <* USEDIN(SELF, 'DRAUGHTING_ELEMENT_SCHEMA.' +
      'DRAUGHTING_CALLOUT.CONTENTS') |
      ('DRAUGHTING_ELEMENT_SCHEMA.' +
      'DIMENSION_CURVE_DIRECTED_CALLOUT' IN TYPEOF(dcdc)))
    ) >= 1;
  wr3: (SIZEOF(
    QUERY(dct1 <* USEDIN(SELF, 'DRAUGHTING_ELEMENT_SCHEMA.' +
      'TERMINATOR_SYMBOL.ANNOTATED_CURVE')
    | (('DRAUGHTING_ELEMENT_SCHEMA.' +
      'DIMENSION_CURVE_TERMINATOR' IN TYPEOF(dct1))
      AND (dct1.role = origin)))
    ) <= 1)
  AND
  (SIZEOF(
    QUERY (dct2 <* USEDIN(SELF, 'DRAUGHTING_ELEMENT_SCHEMA.' +
      'TERMINATOR_SYMBOL.ANNOTATED_CURVE')
    | (('DRAUGHTING_ELEMENT_SCHEMA.' +
      'DIMENSION_CURVE_TERMINATOR' IN TYPEOF(dct2))
```