



# INTERNATIONAL STANDARD ISO 10303-101:1994 TECHNICAL CORRIGENDUM 1

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## 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

[ISO 10303-101:1994/Cor 1:1999](https://standards.iteh.ai/catalog/standards/sist/0f94a750-0fda-4018-aa41-6b5e88914e5a/iso-10303-101:1994/cor-1:1999)

[https://standards.iteh.ai/catalog/standards/sist/0f94a750-0fda-4018-aa41-6b5e88914e5a/iso-](https://standards.iteh.ai/catalog/standards/sist/0f94a750-0fda-4018-aa41-6b5e88914e5a/iso-10303-101:1994/cor-1:1999)

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*.

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## 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.CONTENTENTS' ) |
          ( '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 ) )
```

```

        AND (dct2.role = target))
    ) <= 1);
END_ENTITY;
( *

```

*In the Formal propositions, delete WR1: and replace with:*

**WR1:** There may be zero, one, or two **dimension\_curve\_terminators** annotating a **dimension\_curve**.

**Clause 5.4.2, p. 17**

*The EXPRESS specification of leader\_curve contained errors in the WHERE rule. Delete the EXPRESS specification for leader\_curve and replace with the following:*

EXPRESS specification:

```

* )
ENTITY leader_curve
  SUBTYPE OF (annotation_curve_occurrence);
WHERE
  WR1: SIZEOF(
    QUERY(ldc <* USEDIN( SELF, 'DRAUGHTING_ELEMENT_SCHEMA.' +
      'DRAUGHTING_CALLOUT.CONTENTS' )
      | 'DRAUGHTING_ELEMENT_SCHEMA.' +
      'LEADER_DIRECTED_CALLOUT' IN TYPEOF(ldc)) >= 1;
END_ENTITY;
( *

```

**Annex B.1, p. 34**

*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(101) version (2) }
```

**Annex B.2.1, p. 34**

*With the changes identified in this Technical Corrigendum, the object identifier for the drawing\_definition\_schema has changed. Remove the object identifier for the drawing\_definition\_schema and replace with the following:*

```
{ iso standard 10303 part(101) version (2) object(1) drawing-definition-schema(1) }
```

**Annex B.2.2, p. 34**

*With the changes identified in this Technical Corrigendum, the object identifier for the draughting\_element\_schema has changed. Remove the object identifier for the draughting\_element\_schema and replace with the following:*

```
{ iso standard 10303 part(101) version (2) object(1) draughting-element-schema(2) }
```