



INTERNATIONAL STANDARD ISO 10303-517:2000
TECHNICAL CORRIGENDUM 1

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

Part 517:

**Application interpreted construct: Mechanical design geometric
presentation**

TECHNICAL CORRIGENDUM 1

*Systèmes d'automatisation industrielle et intégration — Représentation et échange de données de produits —
Partie 517: Construction interprétée d'application: Présentation géométrique de conception mécanique*

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to International Standard ISO 10303-517:2000 was prepared by Technical Committee ISO/TC 184, *Industrial automation systems and integration*, Subcommittee SC 4, *Industrial data*.

Introduction

This document corrects problems identified in ISO 10303-517:2000, Product data representation and exchange — Part 517: Application interpreted construct: Mechanical design geometric presentation.

The purpose of the modifications to the text of ISO 10303-517:2000 is to correct errors identified in the ballot for ISO 10303-518, and to replace the object identifier for the document and the schema.

ICS 25.040.40

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Modifications to the text of ISO 10303-517:2000

Clause 4, p. 5

The EXPRESS specification of *camera_image_3d_with_scale*, *draughting_pre_defined_colour*, *draughting_pre_defined_curve_font*, and *aspect_ratio*, have been removed. This require changes in the EXPRESS USE FROM references. Remove the following:

```
USE FROM measure_schema -- ISO 10303-41
    (positive_ratio_measure);
```

```
USE FROM presentation_appearance_schema -- ISO 10303-46
    (curve_style,
     curve_style_font,
     curve_style_font_pattern,
     fill_area_style_colour,
     invisibility,
     over_riding_styled_item,
     point_style,
     pre_defined_curve_font,
     presentation_style_by_context,
     styled_item,
     surface_side_style,
     surface_style_boundary,
     surface_style_control_grid,
     surface_style_fill_area,
     surface_style_parameter_line,
     surface_style_segmentation_curve,
     surface_style_silhouette,
     surface_style_usage,
     u_direction_count,
     v_direction_count);
```

```
USE FROM presentation_organization_schema -- ISO 10303-46
    (background_colour,
     camera_image,
     camera_model_d3,
     camera_usage,
     presentation_area,
     presentation_representation,
     presentation_size,
     presentation_view);
```

```
USE FROM presentation_resource_schema -- ISO 10303-46
    (colour_rgb,
     planar_box,
     planar_extent,
     pre_defined_colour);
```

```
USE FROM representation_schema -- ISO 10303-43
    (mapped_item,
     representation);
```

Replace with the following:

```
USE FROM presentation_appearance_schema -- ISO 10303-46
    (curve_style,
     curve_style_font,
     curve_style_font_pattern,
     draughting_pre_defined_curve_font,
     fill_area_style_colour,
     invisibility,
```

```

marker_type,
over_riding_styled_item,
point_style,
presentation_style_by_context,
styled_item,
surface_side_style,
surface_style_boundary,
surface_style_control_grid,
surface_style_fill_area,
surface_style_parameter_line,
surface_style_segmentation_curve,
surface_style_silhouette,
surface_style_usage,
u_direction_count,
v_direction_count);

```

```

REFERENCE FROM presentation_organization_schema          -- ISO 10303-46
(aspect_ratio);

```

```

USE FROM presentation_organization_schema                -- ISO 10303-46
(background_colour,
camera_image_3d_with_scale,
camera_usage,
presentation_area,
presentation_representation,
presentation_size,
presentation_view);

```

```

USE FROM presentation_resource_schema                  -- ISO 10303-46
(colour_rgb,
draughting_pre_defined_colour,
planar_extent);

```

```

USE FROM representation_schema                        -- ISO 10303-43
(mapped_item,
representation);

```

Clause 4.2.1, p. 9

Delete the clause; corrections have been incorporated into ISO 10303-46:1994/Cor.2:2001.

Clause 4.2.2, p. 11

Delete the clause; corrections have been incorporated into ISO 10303-46:1994/Cor.2:2001.

Clause 4.2.3, p. 11

Delete the clause; corrections have been incorporated into ISO 10303-46:1994/Cor.2:2001.

Renumber clauses 4.2.4 and 4.2.5 to 4.2.1 and 4.2.2, respectively.

Clause 4.3, p. 22

Delete the contents of the clause, except for the last EXPRESS specification for the END_SCHEMA;

Annex A, p. 143

With the changes identified in this Technical Corrigendum, the list of short names of entities has changed. Delete the following rows in the existing table:

CAMERA_IMAGE_3D_WITH_SCALE	CI3WS
DRAUGHTING_PRE_DEFINED_COLOUR	DPDC
DRAUGHTING_PRE_DEFINED_CURVE_FONT	DPDCF