INTERNATIONAL STANDARD ISO 10303-109:2004
TECHNICAL CORRIGENDUM 1

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

Part 109:
Integrated application resource: Kinematic and geometric constraints for assembly models

TECHNICAL CORRIGENDUM 1

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

Partie 109: Ressources d'application intégrées: Contraintes cinématiques et géométriques pour les modèles d'assemblage

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to ISO 10303-109:2004 was prepared by Technical Committee ISO/TC 184, *Automation systems and integration*, Subcommittee SC 4, *Industrial data*.

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The purpose of the modifications to the text of ISO 10303-109:2004 is to correct the integration issues between ISO 10303-109 and ISO 10303-59.

ISO 10303-59 redefines the following function, which exists in ISO 10303-109, because it is inappropriate that 50 series parts refer to functions from 100 series parts:

FUNCTION using_product_definition_of_shape_representation

In order to avoid multiple definitions of the same function, the definition of the function has been removed from ISO 10303-109 and changed so that reference is made to the function defined in ISO 10303-59.

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Modifications to the text of ISO 10303-109:2004

Page 2, Clause 2, Normative references
Add the following to the list of normative references:

ISO 10303-59, *Industrial automation systems and integration — Product data representation and exchange — Part 59: Integrated generic resource — Quality of product shape data*

Page 5, 4.1
Remove the existing EXPRESS specification and NOTE 1 and replace them with the following new EXPRESS specification and NOTE 1:

EXPRESS specification:

```
*)
SCHEMA assembly_feature_relationship_schema;

  REFERENCE FROM assembly_constraint_schema; -- 10303-109
  REFERENCE FROM geometry_schema; -- 10303-42
  REFERENCE FROM kinematic_motion_representation_schema; -- 10303-105
  REFERENCE FROM kinematic_structure_schema; -- 10303-105
  REFERENCE FROM product_definition_schema; -- 10303-41
  REFERENCE FROM product_property_definition_schema; -- 10303-41
  REFERENCE FROM product_property_representation_schema; -- 10303-41
  REFERENCE FROM product_structure_schema; -- 10303-44
  REFERENCE FROM representation_schema; -- 10303-43
  REFERENCE FROM support_resource_schema; -- 10303-41
  REFERENCE FROM shape_data_quality_inspection_result_schema
    (using_product_definition_of_shape_representation); -- 10303-59
(*
```

NOTE 1 The schemas referenced above can be found in the following parts of ISO 10303:

    assembly_constraint_schema ISO 10303-109
    geometry_schema ISO 10303-42
    kinematic_motion_representation_schema ISO 10303-105
    kinematic_structure_schema ISO 10303-105
    product_definition_schema ISO 10303-41
    product_property_definition_schema ISO 10303-41
    product_property_representation_schema ISO 10303-41
    product_structure_schema ISO 10303-44
    representation_schema ISO 10303-43
    support_resource_schema ISO 10303-41
    shape_data_quality_inspection_result_schema ISO 10303-59

Pages 22 to 24, 4.5.10, 4.5.11 and 4.5.12
Delete the whole of subclause 4.5.10 and renumber subclauses 4.5.11 and 4.5.12 as 4.5.10 and 4.5.11.

Page 46, Index
Remove the line "Using product definition of shape representation".