ISO Central Secretariat

date
1999-09-01

reference
ISO/VOTE/mpi

SECRETARIAT OF ISO/TC 184/SC 4
DISA Center for Standards
Code JEBCD
10701 Parkridge Blvd.
RESTON, VA 20991-4398,
USA

Dear Sir or Madam,

ISO/DIS 10303-504

We have pleasure in enclosing the table of replies indicating the result of voting on the above draft, together with copies of all comments received. This table of replies will constitute annex A to the report of voting referred to in the ISO/IEC Directives (1995), Part 1, sub-clause 2.6.5.

The secretary is kindly requested to arrange for the attached form 13 'Report of voting' to be completed by the chairman to show the action to be taken with regard to further processing of this draft. Your attention is drawn to the ISO/IEC Directives (1995), Part 1, sub-clause 2.6.4 setting out the options available.

At the same time, the secretary is requested to prepare annex B to the report of voting, reproducing the comments received and giving the observations of the secretariat on each. For this purpose, please use the forms 'Report of voting'/Annex B which have been supplied to you separately.

In accordance with the ISO/IEC Directives, the Central Secretariat is required to circulate the full report to the P-members of your committee within three months. It is therefore essential that we receive from you the completed form 13, including annex B (comments and secretariat observations) by 1999-12-01.

In the case of a decision by the chairman to proceed with the publication, the FDIS should be prepared by the secretariat without delay, and should preferably be forwarded to the Central Secretariat at the same time as the report of voting.

Yours faithfully,

Gabriel Barta
Standards Department

cc. Mr. D. Wandmacher (Chairman of ISO/TC 184/SC 4) (with comments)
Mme C. Hermetet-Filez (Secretary of ISO/TC 184) (without comments)

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

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DIS TABLE OF REPLIES / 1999-09-01 / TABLEAU DES REPONSES DIS

TC 184/SC 4
ISO/DIS 10303-504

VOTING BEGAN ON/DEBUT DU VOTE:1999-03-25
TIME LIMIT FOR REPLY/DELAI:1999-08-25

TITLE: Industrial automation systems and integration -- Product data representation and exchange -- Part 504: Application interpreted construct: Draughting annotation

TITRE: Systèmes d'automatisation industrielle et intégration -- Représentation et échange de données de produits -- Partie 504: Construction interprétée d'application: Annotation de traçage

MEMBER BODY/COMITE MEMBRE		APPROVAL/APPROBATION	DISAPPROVAL/DESAPPROBATION	ABSTENTION	
Australia (SAI)	P	X			
Brazil (ABNT)	P	X			
Canada (SCC)	P				
China (CSBTS)	P	X			
Czech Republic (CSNI)	O	X			
France (AFNOR)	P			X	**
Germany (DIN)	P	X			*
Italy (UNI)	P	X			
Japan (JISC)	P	X			*
Korea, Republic of (KATS)	P	X			
Netherlands (NNI)	P	X			
Norway (NSF)	P	X			
Poland (PKN)		X			
Portugal (IPQ)	P	X			
Russian Federation (GOST R)	P	X			
Spain (AENOR)	P				
Sweden (SIS)	P	X			
Switzerland (SNV)	P			X	**
United Kingdom (BSI)	P	X			*
USA (ANSI)	S	X			*
TOTAL		16	0	2	

* = Comments / commentaires
** = P-member having abstained and therefore not counted in the vote / Membre (P) s'abstenant de voter; n'est donc pas compté dans le vote

P-MEMBERS VOTING: / MEMBRES (P) VOTANT:	14	IN FAVOUR OUT OF / EN FAVEUR SUR 14 = 100.00%	REQUIREMENT >= 66,66% CRITERE

MEMBER BODIES VOTING: / COMITES MEMBRES VOTANT:	0	NEGATIVE VOTES OUT OF / VOTES NEGATIFS SUR 16 = 0.00%	REQUIREMENT <= 25% CRITERE

THIS DRAFT HAS THEREFORE BEEN APPROVED
in accordance with the ISO/IEC Directives, Part 1, sub-clause 2.6.3.

CE PROJET EST DONC APPROUVE
selon les Directives ISO/CEI, Partie 1, paragraphe 2.6.3

German Vote and Comments on ISO/DIS 10303-504

The German Vote is Yes

The Comments are as follows:

Issue Reference No.: GER-504-1

Originator:	AP214-team ap214@dik.tu-darmstadt.de	**Date:**	16/08/99
Urgency:	minor	**Type:**	editorial
Clause:	4.3.2, 4.3.3	**Page:**	15, 16

Sentence/abstract/keywords:

Explanatory note

Issue Description:

Although the current usage of the FUNCTIONs check_text_alignment in wr13 and check_text_font wr14 of entity draughting_annotation_occurrence is correct, many EXPRESS compilers expect a group_reference "\composite_text" at the end of the argument in each function call.

Proposed Solutions/Remarks:

Add a note in the definition of the functions that explains the correctness of the current usage. This solution was discussed in the wg12 plenary meeting in San Francisco, 2-99.

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JISC

Comments on DIS 10303-504:
Application interpreted construct: Draughting annotation

ISSUE NUMBER: JPN-DIS 504-1

CLAUSE: 4.2.2 draughting_annotation_occurrence, WR11, WR12, page 11
CLASSIFICATION: Minor technical
DESCRIPTION:
WR11 and WR 12 prohibit the rotation of text_literals. It is the draughting convention of ANSI where every text is written horizontally. JIS (Japanese Industrial Standard) for draughting requires, for example, dimension text to be aligned with dimension line, i.e., if the dimension line is drawn vertically, dimension text should be rotated 90 degrees and written vertically along the dimension line. As far as we know draughting standards of ISO also permits this rotation of text.
PROPOSED SOLUTION:
Delete WR11 and WR12.

ISSUE NUMBER: JPN-DIS 504-2

CLAUSE: 4.2.3 draughting_subfigure_representation, WR1, WR2, page 12
CLASSIFICATION: Minor technical
DESCRIPTION:
WR1 states that items in a draughting_subfigure_representation shall be annotation_occurrence, draughting_callout, or axis2_palcement. However, the inclusion of draughting_callout is not appropriate for presentation as it does not have style.
PROPOSED SOLUTION:
Change WR1 as "The items in a draughting_subfigure_representation shall be annotation_occurrence, axis2_placement or styled_item that contains a draughting_callout as its item." EXPRESS specification should be changed accordingly.

ISSUE NUMBER: JPN-DIS504-3

CLAUSE: index, page35-38
CLASSIFICATION: Minor editorial
DESCRIPTION:
Some items in the index shows wrong page number.
PROPOSED SOLUTION:
Check and revise index.

BALLOT RESPONSE AND UK COMMENTS ON ISO/DIS 10303-504

STEP - AIC: Draughting annotation

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1. INTRODUCTION

This document presents the UK vote, comments and recommendations on ISO/DIS 10303-504

2. VOTING RESPONSE

The UK votes **APPROVAL** of ISO/DIS 10303-504 with the following comments.

3. EDITORIAL COMMENTS

ISSUE NUMBER UK-504-01

AUTHOR: Ray Goult

CLAUSE: Headers

CLASSIFICATION: Minor Editorial

DESCRIPTION: The year of publication should be given as 1999 in all headers.

ISSUE NUMBER UK-504-02

AUTHOR: Ray Goult

CLAUSE: Foreword

CLASSIFICATION: Minor Editorial

DESCRIPTION: The text should be amended to use the latest boilerplate textand to refer to a www URL for an up to date list of parts.

ISSUE NUMBER: USA-504DIS -Comment # 1

AUTHOR: USA
CLAUSE: 4.2.2
CLASSIFICATION: Minor, Technical
DESCRIPTION:
draughting_annotation_occurrence.wr7 wrongly coded

draughting_annotation_occurrence.wr7 states that if the draughting_annotation_occurrence is an annotation_text_occurrence, the item shall be either composite_text or a text_literal.
The EXPRESS does not code this correctly

```
  wr7 : NOT (
          ('AIC_DRAUGHTING_ANNOTATION.ANNOTATION_TEXT_OCCURRENCE'
IN
                    TYPEOF(SELF))
          AND
          (SIZEOF(TYPEOF(SELF.item) *
        ['AIC_DRAUGHTING_ANNOTATION.COMPOSITE_TEXT',
      'AIC_DRAUGHTING_ANNOTATION.TEXT_LITERAL']) = 1)
          );
```

PROPOSED SOLUTION:

```
  wr7 : NOT
(('AIC_DRAUGHTING_ANNOTATION.ANNOTATION_TEXT_OCCURRENCE' IN
                TYPEOF(SELF)))
          OR
          (SIZEOF(TYPEOF(SELF.item) *
        ['AIC_DRAUGHTING_ANNOTATION.COMPOSITE_TEXT',
      'AIC_DRAUGHTING_ANNOTATION.TEXT_LITERAL']) = 1);
```

RESOLUTION:

ISSUE NUMBER: USA-506DIS -Comment # 1

AUTHOR: USA
CLAUSE: 4.1.7
CLASSIFICATION: Minor, Technical
DESCRIPTION:
There is a constraint defined within dimension_callout_relationship (*wr2*) that attempts to ensure that the .relating attribute of the relationship references a type of dimension (e.g., linear_dimension, ordinate_dimension, leader_directed_dimension). However, a dimension can be presented as a combination of multiple types of dimensions.

PROPOSED SOLUTION:
Change WR2 from '=1' to '>=1'

Change WR2 description from 'the dimension shall be an angular ...' to 'the dimension shall be one or more of angular ...'