



ISO/IEC JTC 1/SC32 N 44

Date: 1998.01.14

Replaces JTC 1/SC32 N

ISO/IEC JTC 1/SC 32
Data Management Services

DOC TYPE: Summary of Voting/Table of Replies

TITLE:

SOURCE:

Summary of Voting on ISO/IEC DIS 13645.2, Information Technology -Guidelines for the design of IRDS content modules

Information Technology Task Force (ITTF)

PROJECT:

STATUS:

ACTION ID:

DUE DATE:

.32.06.09

For information. The project editor is requested to produce a disposition of comments report and recommendation on further progression of the work.

ACT

DISTRIBUTION:

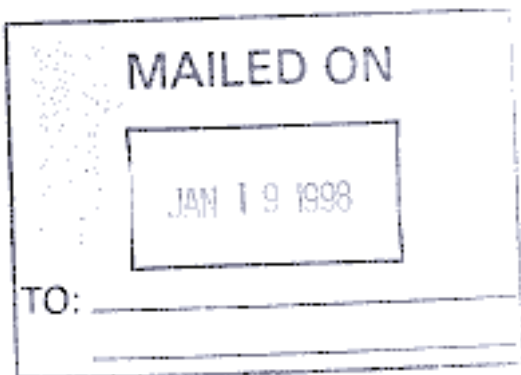
p & L Members
SC Chair
WG Conveners and Secretaries

MEDIUM:

P

DISK SERIAL NO.:

NO. OF PAGES:



Secretariat, ISO/IEC JTC 1/SC 32,
American National Standards Institute, 11 West 42nd Street, New York, NY 10036; Telephone: 212-642-4976; Fax: 212-398-0023; E-mail: mtopping@ansi.org



Dear Sir or Madam,

ISO/IEC IIS 13645

ISO Central Secretariat

Date 1997-12-04

Reference **ISONOTE**

**SECRETARIAT OF ISO/IEC JTC 1
/SC 32
American National Standards Institute 11 West 42nd Street
13th floor
NEW YORK, N. Y. 10036
USA**

We have the pleasure in enclosing the table of replies indicating the results of voting on the above draft, together with copies of all comments received. The results are also being sent to the P-members of JTC 1. Any late replies which reach ITTF will be forwarded to you for information.

As this draft has received the required majority, the revised text may now be prepared, together with the disposition of comments report, in accordance with clause 12.7.4.1 of the Procedures to the work of JTC 1. We should be grateful to receive these documents not later than 1998-04-04.

Yours faithfully,

Sophie Clivio
ISO/IEC Information Technology Task Force



cc. Secretariat of ISO/IEC JTC 1 (without comments)

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION. ME) (~YHAPO~HAA OprAH~3A1.1~A nOCTAH~APT~3A1.1~. ORGANISATION INTERNATIONALE DE NORMALISATION Postal Address Office address Telephone Telex 41 22 05 iso ch Case postale 56 1, rue de Varembe national (022) 749 01 11 Telefax + 41 22 733 34 30 CH-1211 Geneve 20 Geneve .Switzerland international + 41227490111 Telegrams isorganiz

TABLE OF REPLIES /1997-12-04/ TABLEAU DES REPONSES

ISQ/IEC DIS 13645
ISQ/IEC JTC 1/SC 32/WG 3

VOTING BEGAN ON/DEBUT DU VOTE:1997-07-17 TIME LIMIT FOR REPLY/DELAI:1997-11-17

TITLE: Information technology --Guidelines for the design of IRDS content modules

TITRE: Technologies de l'information --Lignes directrices pour la conception de modules de contenu IRDS

ABSTENTION
DISAPPROVAL/DESAPPROBATION I APPROVAL/APPROBATION I I

ABSTENTION DISAPPROVAL/DESAPPROBATION
APPROVAL/APPROBATION I

MEMBER BODY/COMITE MEMBRE I I I MEMBER BODY/COMITE MEMBRE I I I
Australia (SAA) Plxl I I Japan (JISC) Plxl I I Austria (ON) Plxl I I Kenya (KEBS) Plxl I I Belgium (IBN) PIXl I I Korea, Republic of (KNITQ) PIXl I I
Brazil (ABNT) PIXl I I Mexico (DGN) PI I I I Canada (SCC) PI IXI I Netherlands (NNI) PI I I I China (CSBTS) PIX I I I New Zealand (SNZ) PIX I I I
Czech Republic (COSMT) 01XI I I Norway (NSF) PIXl I I Denmark (DS) PIXl I I Portugal (IPQ) 01 I IXI Egypt (EOS) PIXl I I Romania (IRS) PIXl I I
Finland (SFS) PIXl I I Russian Federation (GOST R) 01XI I I France (AFNOR) PI I IXI** Slovenia (SMIS) PIXl I I Germany (DIN) PI I IXI ** Sweden
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Hungary (MSZT) PI I I I Switzerland (SNV) PIXl I I Ireland (NSAI) PIXl I I United Kingdom (BSI) PI IXI I Italy (UNI) PIXl I I USA (ANSI) SI I IXI
T O T A L 20 5

Ixl **

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

2

P-MEMBERS VOTING: IN FAVOUR OUT OF I REQUIREMENT I 18 20 = 90% I >= 66,7% I
MEMBRES (P) VOTANT: EN FAVEUR SUR I CRITERE I
~ MEMBER BODIES VOTING: NEGATIVE VOTES OUT OF I REQUIREMENT I
2 22 = 9% I <= 25% I COMITES MEMBRES VOTANT: VOTES NEGATIFS SUR I CRITERE I

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

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

Canadian Comment Accomoanvin!! Vote on DIS 1364

Project: JTC 1.21.06.09.01
Source: Canada
Status: National Body Ballot Comment
Date: October 20, 1997

Canada votes "Not Approved" on the letter ballot of DIS 13645 with the following comments. :
However, Canada supports the rapid progression of this standard to IS. Canada will change its vote to "Approved" upon the satisfactory resolution of these comments.

A. Major Technical Comments

Within the following comments, the term Dictionary is used to mean "IRD or IRD Definition",

CAN A.1

Naming in the context of Content Modules

Problem Description

There are several inter-related problems, not all of which can be addressed by changes to DIS 13645 alone:

1. Inconsistencies in the present text

The previous Canadian ballot comment on Naming was only partially accepted, which has resulted in some inconsistencies in the present text. The text proposed by that comment was included without change in what is now clause 12.3.2, was included with changes in what is now clause 6.4, and was omitted entirely from what is now clause 11.2.

The text in clauses 6.4 and 12.3.2 needs to be made consistent, and a description added to 11.2 that reflects the agreed position.

The reference in clause 12.3.2 to clause 10.1 was intended to refer to what is now 11.2 but might be more useful if it referenced clause 6.4.

2. Role or IRDS-NAME/IRD- v AR-NAME

The Editor's note in clause 6.4 states:

Begin quote:

The above text is not quite in line with the Canadian proposal, which required the Content Module name to be copied into part of the IRD- V AR-NAME. I had some difficulty pursuing all the issues raised by the discussion. However, the above text should be sufficient to provoke final text proposals on the next ballot. Note that there are more detailed rules specified in 11.2. My concern is about the use of IRD- V AR-NAME. Would it be better to specify a structure for IRDS-NAME ? I believe that we should be careful about the impact on the version control of Content Modules.

End quote.

ISO/IEC 10728 : 1993 states:

Begin quote:

A variation name may be used to qualify an IRDS name, differentiating between objects which are essentially similar, but differ in some respect.

End quote.

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Following this guideline, if similar objects are defined in two content modules, it would seem reasonable that their IRDS-NAMES be the same, and that the distinction is made in the choice of IRD- V AR-NAME. Thus, any structure or guideline seems more appropriately applied to IRD- V AR-NAME than to IRDS-NAME.

3. Achieving unique names within a Dictionary

Clause 6.4 states that:

Begin quote:

An IRDS Content Module may be installed in more than one IRD or IRD Definition. In order to ensure uniqueness across multiple IRDs and IRD Definitions, it is necessary that: Each IRDS Content Module has a unique IRDS-NAME. Each IRD Object has an IRDS-NAME and IRD- V AR-NAME which together are unique within the IRDS Content Module.

Since ISO/IEC 10728 specifies rules to ensure uniqueness of IRDS Content Module IRDS-NAME, this is sufficient to ensure that IRD Objects can be uniquely identified in a global context.

End quote.

While the combination of IRDS Content Module IRDS-NAME together with the IRD Object IRDS-NAME and IRD- V AR-NAME may be unique across all content modules, this does not address the following issues:

within a Dictionary, the combination of IRDS-NAME and IRD- V AR-NAME alone, not these in combination with IRDS Content Module IRDS-NAME, must be unique for each IRD Object.

An IRDS may also contain objects not defined by/associated with any content module. (The columns IRD-MODULE-OBJ-KEY and IRD-MODULE- WS-KEY in table IRD Object are not required fields.)

To address these issues, a Canadian comment on the previous ballot suggested that the IRD- V AR-NAME should include the Content Module IRDS-NAME. We still believe this is one way to provide a solution, though perhaps alternative and/or additional techniques need to be at least permitted and possibly specified.

4. Versioning of Content Modules and relationship to Working Sets

Within a Dictionary, a content module represents a collection of objects, as defined by the referential constraint IRD-OBJECT-INTRODUCED-BY -IRD-MODULE from table IRD-OBJECT to table IRD-MODULE.. A particular row in IRD-OBJECT can reference only one row in IRD-MODULE. The implication is that the introduction of a new version of a content module (if represented by a different row in IRD-MODULE e.g. with same IRD-MODULE-OBJ-KEY but different IRD-MODULE- WS-KEY) must result in the creation of new rows in IRD-OBJECT (e.g. with the same IRDS-NAMES but different

IRD- V AR-NAMES), rather than new versions of the same objects (as rows in IRD-OBJECT-VERSION). Therefore, as defined in ISO/IEC 10728:1993, working sets cannot be used to represent different versions of content modules. (Perhaps 10728 needs to be modified to allow references from IRD-OBJECT-VERSION to IRD-MODULE?)

5. Should IRDS-NAME and IRD- V AR-NAME be changeable?

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If a content module specifies an IRDS-NAME and IRD- V AR-NAME for a particular object, must an implementation use those names? Might the answer be different for the two parts of the name? Do we have or do we need a mechanism to allow aliases? The decision will have an impact on export/import. If export/import allows user controlled matching of names, the need for consistency across implementations is less. If export/import relies on the values of IRDS-NAME and IRD- V AR-NAME to do the matching, consistency will be essential.

Proposal:

1. We should make clear the requirement for unique naming within a Dictionary, and the options available to an implementor where the names specified by a content module conflict with names already in the dictionary, whether part of another content module or not.
2. Where a content module specifies a particular IRDS-NAME for an object, we should state whether an implementation must use that IRDS-NAME. (Propose 'Yes'.)
3. Where a content module specifies a particular IRD- V AR-NAME for an object, we should state whether an implementation must use that IRD- V A~NAME. (Propose 'No'.)
4. The issue of versions of content modules should be taken up by project 1.21.6.7 IRDS Services Interface Extensions.
5. The issue of allowing aliases for IRD Object should be taken up by some combination of project 1.21.6.7 IRDS Services Interface Extensions and project 1.21.6.9.1 IRDS Content Module to support a Naming and Thesaurus Facility.

Proposed Text Change

1. In clause 6.4, delete the Editor's note, and add the following text at the end of the last paragraph:

Begin Text:

However, within a particular Dictionary, the combination of IRDS-NAME and IRD- V AR-NAME must be unique across the whole Dictionary, not just individual content modules. Therefore, the implementor of a content module may change the value of

IRD- V AR-NAME (but not IRDS-NAME) from that specified by the content module. One possible way to help ensure this uniqueness would be to include the IRDS-NAME of the Content Module as part of the IRD- V AR-NAME of each IRD object.

End Text.

2. In clause 11.2, add the following text after: a) ~:

Begin Text:

This is the value of IRDS-NAME for the object. This standard requires that IRDS-NAME be used to name each object. Within a particular implementation, IRD- V ~NAME may be used to distinguish similar IRD objects originating from different content modules (or different versions of a particular content module).

End Text.

3. In clause 12.3.2, replace the description of IRDS-NAME/IRD- V AR-NAME by:

Clause 12.3.2 contains the following description of IRDS-NAME/IRD- V AR-NAME. *Begin Text:*

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The combination of IRDS-NAME and IRD- V AR-NAME uniquely identifies an object within an IRDS. For objects defined by a Content Module, the value of IRDS-NAME is specified by the Content Module. The value of IRD- V AR-NAME will be chosen by each implementation of the content module to ensure uniqueness within the IRDS. (See clause 6.4.) A content module may specify a default value for IRD- V AR-NAME, such as the IRDS NAME of the Content Module.

End Text.

CAN A.2 Relationship of Content Modules to Users, Audit Attributes, User Privileges, Usage Tables and Export/Import files.

Problem Description

Questions about these inter-relationships are contained in Editor's Notes in clauses 12.2, 12.3.3.1, 12.4.2, 12.4.6, 12.5.1.

Resolution

A distinction needs to be made between a content module design/specification (as specified by DIS 13645), and the implementation of the content module in a Dictionary.

Implementing a content module in a Dictionary requires the adding of versions of objects within a working set context. This requires that a User establish an IRDS Session, select a particular Working Set context and add the IRD Objects represented by the Content Module as versions within the specified working set. To do this, the user must have previously been defined to the IRDS and must have the appropriate privileges on the specified working set. Thus, the User and User Privileges referred to here must have been defined before the content module is added, and are necessarily not part of the content module.

However, since Users and User Privileges are themselves instances of rows in IRD-OBJECT, there is nothing to prevent someone designing a content module defining rows in these tables. These rows to be added will however necessarily be distinct from those rows required to enable the act of adding them.

Similarly, as each IRD Object is added, the IRDS will maintain audit attributes in IRD-OBJECT and IRD-OBJECT- VERSION, but these attributes are not part of the content module design.

Because a content module specification does not need to include values of audit attributes, this means that the specification of the content module as an export/import file also does not need to include such information. A content module can be successfully imported without such attributes. However, this does not prevent such attributes being included in an export/import file created by a subsequent export from an actual implementation. The inclusion of such attributes in the export file may be required if the file is being created for backup-restore purposes. Thus an export file that represents an implementation of a content module may contain more information than one that represents the specification of the same content module.

Clause 12.5. I currently states that table IRD-OBJECT- VERSION need not be specified by content modules, but since content ~odules are required to be specified as an export/import file, and since table IRD-OBJECT- VERSION may be key to matching objects on import, we should change this to require the specification of the table, but without the audit attributes.

The relationship of Usage Tables to content modules is adequately described in the relevant sub- sections of clause 12.

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Proposed Text Changes

1. Delete the editor's note in clause 12.2. Each table is explicitly described in its own clause, and no additional General Rule is required.
2. Delete the editor's note in clause 12.3.3.1. TIMESTAMP is an audit attribute maintained by the IRDS, as described in clause 12.3.3.3.
3. Insert a new clause before the existing clause 12.3.4, to specify that table

IRD-OBJECT- VERSION is required for all content modules.

(Note: If comment CAN C.6 item 4 is accepted, then this new clause becomes 12.3.3 and 12.3.4 and subsequent clauses need no renumbering. Otherwise, this clause becomes 12.3.4, and following clauses must be renumbered accordingly.)

Begin Text:

12.3.0 Table 3: IRD-OBJECT- VERSION

A row in this table shall be specified for every object version defined or referenced by this content module.

12.3.0.1 Required Columns in Table IRD-OBJECT- VERSION

The following columns are required when specifying content modules: IRD-OBJECT-KEY

The values assigned shall correspond to rows in table IRD-OBJECT

IRD- WORKING-SET-KEY

The values assigned shall correspond to rows in table IRD- WORKING-SET .

12.3.0.2 Optional Columns in Table IRD-OBJECT- VERSION

There are no optional columns in IRD-OBJECT- VERSION.

12.3.0.3 Columns in Table IRD-OBJECT- VERSION which are not applicable to Content Modules

The remaining columns in IRD-OBJECT- VERSION are audit columns and will be maintained by any IRDS which implements the content module. Their values do not need to be specified in a content module.

End Text.

Note: See also CAN C.7 .The wording used above is consistent with the existing clauses.

4. Delete clause 12.5.1 and renumber clause 12.5.2.
5. In Annex A, insert the following table in clause A.9.2 after Table 2IRD- WORKING-SET: *Begin Text:*

Table 3: IRD-OBJECT- VERSION

This table lists all the object versions defined in or referenced by the content module:

IRD OBJECT KEY	IRD WORKING SET KEY
00090001	00020003
000250001	00020001

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00250002

00250003

00020002

00020003

End Text.

Note: The first row in the above table assumes the acceptance of CAN B.6 item 2.

- 6. In clause B.3.1 of Annex B, delete the columns: ADD-BY -OBJ-KEY , ADD-BY- WS-KEY and DA TE-TIME-ADD.
- 7. In clause B.3.2 of Annex B, delete the columns: ADD-BY -OBJ-KEY, ADD-BY- WS-KEY and DATE TIME ADD.
-
- 8. In clause B.3.3 of Annex B, delete the columns: VERS-ADD-BY-OBJ-KEY, VERS-ADD-BY- WS-KEY and DA TE-TIME- VERS-ADD, VERS-MOD-BY -OBJ-KEY , VERS-MOD-BY -WS-KEY , DA TE-TIME- VERS-MOD, TIMES MOD.
- 9. Because audit attributes have been deleted, table IRDS-USER is not required as part of the content module specification. Delete clause B.3.4IRDS-USER, and delete the corresponding rows from table IRD-OBJECT in clause B.3.1 and from table IRD-OBJECT- VERSION in clause B.3.3:
- 10. Because table IRDS-USER is not specified, table IRD- WORKING-SET-PRIVILEGE is not required. Delete clause B.3.21IRD-WORKING-SET-PRIVILEGE, and delete the corresponding rows from table IRD-OBJECT in clause B.3.1 and from table IRD-OBJECT- VERSION in clause B.3.3:

CAN A.3

Clause B.5 IRDS Definition as an IRDS Export/Import File

Significant changes are expected to DIS 13238-3 as a result of the latest round of ballot comments. Those changes must be reflected in this clause, as must the changes to clause 8.3.

With regard to Editor's Note 2, we support the proposal that machine readable versions of content modules be considered the normative version. (Note: clause 13 already requires that a machine readable version be provided.)

B.

Minor Technical Comments

CAN B.1

Further comments on Annex B

- 1. Tables IMP -LIMITS and INST ALLA TION-DEF AUL T relate to particular IRDS implementations and have no relevance in the specification of a content module. Delete clause 8.3.5 IMP -LIMITS and clause 8.3.20 INSTALLATION-DEFAULT and delete the corresponding rows from table IRD-OBJECT in clause 8.3.1 and from table IRD-OBJECT- VERSION in clause 8.3.3: Renumber other clauses accordingly.
- 2. In clause 8.3.13, rows in table IRD-COLUMN (with WS-KEY 00020003) reference table IRD-DOMAIN (with WS-KEY 00020005). Therefore, a reference path needs to be defined from one working set to the other. Insert a new clause after clause 8.3.3:

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Begin Text:

B.3.n IRD-REFERENCE-PAM

REFTO WORKING SET KEY

00020005

REFFROM WORL:(ING SET KEY

00020003

End Text.

Renumber other clauses accordingly.

- 3. Order the rows in all tables in sequence by their key fields.
- 4. We note that in clause B.3.16, non-unique values are specified for column IRD-CONSTRAINT-NAME. This actually seems to be permitted by ISO/IEC 10728, but we wonder whether there should be a constraint requiring these constraint names to be unique within an IRD-SCHEMA. This is an issue for project 1.21.6.7 IRDS Services Interface Extensions.
- 5. The format of a TIMEST AMP should be in ISO format, with the date specified as "YYYY - MM-DD". If the deletion of audit attributes, as recommended by comment A.2, is not accepted, then the formatting of the date-time fields in clauses 8.3.1,8.3.2 and 8.3.3

should be amended

The formatting of the TIMEST AMP in the IRDS Export/Import File Header should be corrected in clause B.5.1.

CAN B.2

Responses to Technical Editor's Notes

1. Editor's Note in clause 6.4:
Text added by comment A.1.
2. Editor's Note in clause 12.2:
No action required other than to delete the Editor's Note. See comment A.2.
3. Editor's Note in clause 12.3.3:
No action required other than to delete the Editor's Note. See comment A.2.
4. Editor's Note in clause 12.3.3.1:
No action required other than to delete the Editor's Note. See comment A.2.
5. Editor's Note in clause 12.3.3.2 re WORKING-SET-NAME / WORKING-SET -VERSION-NAME.
No action required other than to delete the Editor's Note. (Note: despite the uniqueness constraint on the columns, they are not required columns in 10728.)
6. Editor's Note in clause 12.3.3.2 re IRD-CONTENT-STATUS-OBJ-KEY / IRD-CONTENT-STATUS-WS-KEY
No action required other than to delete the Editor's Note.
7. Editor's Note in clause 12.3 .4 re referencing 10728 Initial Contents
Conceptually, it seems reasonable to view the initial contents of an IRDS as a content module, and including a row in IRD-MODULE as part of the initial contents would allow this row to be referenced from IRD-OBJECT to indicate that the rows were introduced by the Initial Content Module. (Note: This technique has already been used in Annex A, clause A.9.2.) This is primarily an issue to be addressed within project 1.21.6.7 IRDS Services

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Interface Extensions. Note, however, that such a content module cannot be explicitly imported, and although it might be exported, it is not clear what purpose that would serve. There is also an implication for DIS 13645. Clause 12.5.2 currently lists Table 7: IRDS Dictionary as maintained byan IRDS, and not applicable to content modules. We believe this statement to be correct, since the description of this table in 10728 states that rows are inserted only by the Create IRD Definition and Create IRD services.. However, the initial contents ofboth an IRD Definition and an IRD include a row in this table. Therefore, it appears that either this row is not part of the content module, even though it is part of the initial contents, or that content module representing the Initial Contents follows different rules from the general case.

We recommend no action at this time, other than to delete the Editor's Note.

8. Editor's Note in clause 12.4.2 re Table 5: IRDS-USER
No action required other than to delete the Editor's Note. See comment A.2.
9. Editor's Note in clause 12.4.3 re Table 6: IMP LIMITS
No action required other than to delete the Editor's Note. See comment 8.1.1.
10. Editor's Note in clause 12.4.4 re Table 26: IRD-CONTENT-STATUS
As stated in clause 12.3.3, it is necessary to use Working Sets within the content module specification in order to be able to properly express references between objects. However, there is no requirement for the implementation of a content module to create working sets exactly corresponding to the working sets used in the specification. Similarly, there is no requirement that any content status be specified. However, if a content status is specified, there must be a corresponding row in the IRD-CONTENT-STATUS table. No action required other than to delete the Editor's Note.
- II. Editor's Note in clause 12.4.5 re Table 27: INST ALLA TION DEF AUL T
In the first line, change "implementation" to "installation", and delete the editor's note. (See also comment 8.1.1.)
12. Editor's Note in clause 12.4.6 re Table 28: IRD- WORKING-SET-PRIVILEGE
No action required other than to delete the Editor's Note. (See comment A.2.)
13. Editor's Note in clause 12.5.1 re Table 3: IRD-OBJECT- VERSION
No action required other than to delete the Editor's Note. See comment A.2.
14. Editor's Notes in clause A.2.2.2 IRDS Services Interface
Problem Description
It is not clear what is meant by "requirements" in the first sentence: "This International Standard assumes the implementation of the requirements ofISO/IEC 10728."
Proposed Text Change
Delete the first sentence, and insert the text "as defined in ISO/IEC 10728" after the word tables in the second sentence. This now clearly refers only to the table definitions, and not to the services. Delete the editor's notes.
15. Editor's Note in clause A.2.2.4 Database Language SQL
Convert the text of the Editor's note to text in angle brackets, as instruction to users of the template. ,
16. Editor's Note at the end of clause A.3
Replace the editor's note by the following text:
Begin Text:

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<Add further sub-clauses as required for the specific content module to reference terms from other relevant standards.>

End Text.

17. Editor's Note in clause A.4.2. We agree with the editor that the abbreviations in clause A.4.2 are no longer needed. Therefore, clause A.4.2 should be completely removed. Also, we suggest changing the heading A.4.1 from "General abbreviations" to "IRDS-related abbreviations".

18. Editor's Note in clause A.5.2. We agree with the editor that sub-clause A.5.2 is no longer needed, and should be completely removed..

CAN B.3

Clause 11.2

Problem Description

In para. f), the term "Dictionary Object Unique Identifiers" is used without being defined.

Proposed Text Change

1. Add the following definition in clause 3.4:

3.4.8 Uniqueness Constraint: A constraint that the values of specified Attribute Types be unique.

2. In clause 11.2, para. t), replace the two occurrences of "Dictionary Object Unique Identifiers" by "Uniqueness Constraints".

CAN B.4

Clauses 12, 13 and 14 -Expressing the Content Module

Problem Description

There is no statement requiring consistency among the three ways of expressing the content module.

Proposed Text Change

Insert the following text as a new paragraph at the end of clause 13.

Begin Text:

The content of the tables as specified in this clause shall be equivalent to that specified in clause

12. The rules for which tables / columns are required / optional/not applicable, are as described in clause 12.

End Text.

Insert the following text as a new paragraph at the end of clause 14.

Begin Text:

The content of the tables as specified in this clause shall be equivalent to that specified in clause

12. The rules for which tables / columns are required / optional/not applicable, are as described in clause 12.

End Text.

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CAN B.5

Clause 15 Conformance Requirements

Problem Description

The template for a content module conformance statement states:

" An IRDS that conforms to this IRDS Content Module shall be able to set up the necessary definitions by processing the IRDS Export/Import file defined in clause 10".

This requirement prevents an IRDS that does not support export / import from claiming conformance to any content module. This seems unreasonable.

Proposed Text Change

Insert the phrase ", and also claims conformance to ISO/IEC 13238-3 IRDS Export/Import facility," before the words "shall be able to".

CAN B.6

Annex A

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I. There are some conventions being used in Annex A that should be explained. Insert the following text before the heading A.I. Scope.

Begin Text:

<Within this Annex, text (such as this) enclosed within angle brackets provides instruction and/or clarification to the user of the template, and does not constitute part of the text to be included in a content module.>

<The clauses within this Annex are all prefixed with the letter A, to identify them as part of this Annex within ISO/IEC 13645. When the template is used to create a content module, this prefix should be dropped from the clause numbers.>

End Text.

2. In Annex A, clause A.9.4 contains a row in Table 9: IRD Schema. However, no corresponding row is defined in Table I: IRD Object.

Add a row to table I as follows:

00090001 Sample IS 13645 00250003 00020003 Sample IRD Schema. Schema

Note: The acceptance of this comment has been assumed in CAN A.2 text change 5.

3. The clause expressing the content module as SQL is missing from the template.

Insert the following after clause A.IO.:

Begin Text:

A.II The Content Module expressed using SQL

4o be added by the author of the content module.>

End Text.

Renumber the existing clause A.II as A.12.

4. In the clause A.II (now A.12) Conformance, some of the clause references seem in appropriate:

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a) In para. b), the reference to clause 10 would make more sense if it referenced clause 9.

Is the existing reference to clause 9 correct, or should this refer to clause 8? If the change from clause 10 to clause 9 is agreed, but the change from clause 9 to clause 8 is not, then the sentence should probably be reworded to consolidate the two references to clause 9.

b) In para. c), the reference to clause 12 should be to clause 10.

C.

Editorial Comments

CAN C.1

References to Clauses

Problem Description

Because of changes to clause numbers as a result of the last editing meeting, several of the references in the document are now incorrect.

Proposed Text Change

1. In clause 1.4, the reference to "Clause 5" should be to "Clause 6". 2. In clause 1.5, the reference to "Clause 6" should be to "Clause 7".

3. In clause 1.6, the clauses referenced as "Clauses 8 through 14" have become "Clauses 9

through 15". However, since clause 8 provides an overview of clauses 9 through 15, we suggest changing the text to read "Clauses 8 through 15".

4. In clause 1.7, the reference to "Clause 15" should be to "Clause 16".

5. In clause 3.3, all sub-clauses should be numbered 3.3.x instead of 3.1.x, and the terms should be shown in bold, for consistency with the other clauses.

6. In clause 11.2, item !1 3), the reference to "Clause 8" should be to "Clause 7".

7. In clause 12.3.2, in the description of IRDS-NAME/IRD- V AR-NAME, the clause referenced as clause 10.1 has become clause 11.2. However, this reference was added by a Canadian comment in the expectation that text would be added to the target clause by

another Canadian comment. The latter text change was not accepted. Therefore, referencing 11.2 now has no value. It is suggested that the reference be changed to clause 6.4.

8. In clause 16, para 1, the reference to "clauses 7 to 13" should be "clauses 8 to 15".

9. In clause 16, para 3, reference is made to "clauses 7 through 10 of an IRDS Content Module Standard". These clauses are now numbered 8 through 11. However, it is not clear why the new clause 7 (the clause describing Dictionary Domains) should not be included. We

suggest change the references to "clauses 7 through 11".

CAN C.2

Clause 2 -References

1. The heading for clause "2.1 Normative References" should be shown in bold. 2. The heading shown as "2.1 Inrormative References" should be numbered 2.2.
3. CD 13237.2 is included in both the Normative and Informative references. One of the following actions should be taken:
 - a) Assuming that CD-13237.2 does not progress to IS as rapidly as DIS 13645, then both references should probably be removed.

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- b) If it is decided that it is appropriate to reference some version of this standard, one reference or the other should be removed.
- c) If the Normative reference is retained, then the line should be labelled "e)" for consistency with the other references.

CAN C.3

Specification of Content Module -Clause 8 and Annex A.

1. In clause 8.1, the subset of clauses listed as being "in standard fonn" should be shown with the same clause number as in the complete list, rather than with the labels a) -f).
2. In clause 8, the heading of clause 2 is shown as "Nonnative References", while in Annex A, the heading of clause 2 is "References", and clause 2.1 is "Nonnative References". Change the heading of the clause in clause 8 (two places) to "References" to be consistent with the template.
3. Insert the word "The" at the beginning of the heading of clause A.9 in Annex A, for consistency with the clause headings used in clause 8.
4. Change the heading of clause A.1 O to "The Content Module expressed as an IRDS Export/Import File" for consistency with the clause headings used in clause 8.

CAN C.4

Responses to Editorial Editor's Notes

1. Clause A.2.1 Nonnative references
 - a) The comments regarding ISO/IEC 10027:1990 and ISO/IEC 10728:1993 being under revision seem useful and not inappropriate (unless ISO has explicit rules against this). However, the references to a specific stage of progression should be removed, since this will change.
 - b) The ballot on DIS 13238-3.2 closes before the ballot on DIS 13645 (the present document). It should therefore be possible to hold the editing meetings for the two standards in the same sequence, so that the progression recommendation for DIS 13238- 3.2 is known during the editing meeting for DIS 13645. However, whatever the result, we believe that referring to the specific status of a standard under development is not appropriate because it is subject to change. The lack of a year in the name of the standard should be sufficient to indicate that the standard had not reached IS at the time of publication of this standard (assuming such references are even allowed). If the standard progresses to IS in parallel with, or ahead of the present standard, the year should be specified before final publication of this standard.
 - c) The reference to ISO/IEC 13645 is to the present standard. (This is because Annex A is a template for a content module standard.) Therefore, the reference to this being "Currently CD" should be deleted. Also, the year should be filled in before final publication.
 - d) What is the significance of the "1)., against the standards ISO/IEC 13238-3 and ISO/IEC 13645? There is no corresponding footnote or end-note.
2. Clause A.2.2.1. The editor's note should be removed. No further action required.

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CAN C.5 Miscellaneous typographical errors

1. In clause 4, in the explanation of the abbreviation "OMG", remove the apostrophe "s" after publisher. (This error was in the Canadian comment that inserted the text in the last ballot response.)
2. In clauses 12.6.2, 12.6.3, 12.6.4, 12.6.5, "definedfor" should be "defined for".

CAN C.6 Miscellaneous formatting

1. Remove the page break in the middle of clause 6.4.
2. Remove the page break in the middle of clause 7.3.1.
3. Remove the page break in the middle of clause 11.2.
4. The clause numbered 12.3.2 is supposed to be sub-ordinate to clause 12.3.1, and should therefore be renumbered as 12.3.1.1. Clause 12.3.2.1 should become 12.3.1.2. Clause 12.3.2.2 should become 12.3.1.3. Clauses 12.3.3 and 12.3.3.n should be

renumbered as 12.2.3 and 12.2.3.n. If the insertion of a new clause by comment CAN A.2 between 12.3.3 and 12.3.4 was accepted, then clauses 12.3.4 onwards need no renumbering.

5. In clause 14, change

"SQL create Domain and Create Table Statements"

to:

"SQL CREATE DOMAIN and CREATE TABLE statements".

6. In Annex A, at the end of clause A.9 .1, enclose the two Notes within angle brackets. 7. In Annex A, at the end of clause A.1 0, enclose the Note within angle brackets.

CAN C.7 Columns which are not applicable to Content Modules

Clauses 12.3.2.2, 12.3.3.3 and the clause added by CAN A.2, state that for columns which are not applicable:

"Their values do not need to be specified in a content module."

This wording could be taken to imply that such columns may be specified, which would make the columns "Optional", rather than "Not applicable". Replace the wording in all three clauses by:

"Their values shall not be specified in a content module."

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Copy

VOTE ON ISO/IEC/DIS 13645		FORM 12
date 1997-11-05	ISO/IEC/JTC 1	
national body GERMANY		

To cast a vote on a draft International Standard, national bodies shall complete and sign this ballot paper, and return same with any comments to the ISO Central Secretariat.

All national bodies are invited to vote. *P-members of the joint technical committee concerned have an obligation to vote.*

D

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'Ei1

We approve the technical content of the draft as presented (editorial or other comments may be appended)

We disapprove for the technical reasons stated at annex

D

Acceptance of specified technical modifications will change our vote to approval

We abstain (for reason; Is below)

Remarks:

Due to lack of interest, Germany is not **in** a position to vote on ISO/IEC DIS 13645.



DIN Deutsches Institut für Normung e. V. Burggrafenstraße 6 .D -10787 Berlin

signature



Texte français au verso





UK COMMENT ACCOMPANYING VOTE OF DISAPPROVAL ON DIS 13645, GUIDELINES FOR THE DESIGN OF IRDS CONTENT MODULES

Reason for disapproval

The UK strongly supportS the project for DIS 13265 but considers that this standard needs to be made consi~"tent with DIS 13238-3, Export/import facilities tor IRDS after the ballot resolution meeting on DIS 13238-3.

The UK will make appropriate proposals tor alignment at the time of that meeting.

MJP/MJP

17 November 1997

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TOTAL P.03