

# ISO/IEC JTC 1/SC 32 N 1159

Date: 2004-07-27

REPLACES: --

<p style="text-align: center;"><b>ISO/IEC JTC 1/SC 32</b></p> <p style="text-align: center;"><b>Data Management and Interchange</b></p> <p style="text-align: center;"><b>Secretariat: United States of America (ANSI)</b></p> <p style="text-align: center;"><b>Administered by Pacific Northwest National Laboratory on behalf of ANSI</b></p>
--

<b>DOCUMENT TYPE</b>	Summary of Voting/Table of Replies
<b>TITLE</b>	Summary of Voting/Table of Replies for 32N1105 - ISO/IEC CD 20944-01 Information technology - Metadata Interoperability & Bindings (MDIB) Part 1: Framework
<b>SOURCE</b>	SC 32 Secretariat
<b>PROJECT NUMBER</b>	1.32.17.01.01.00
<b>STATUS</b>	WG 2 should take and resolve the comments
<b>REFERENCES</b>	
<b>ACTION ID.</b>	ACT
<b>REQUESTED ACTION</b>	
<b>DUE DATE</b>	
<b>Number of Pages</b>	10
<b>LANGUAGE USED</b>	English
<b>DISTRIBUTION</b>	P & L Members SC Chair WG Conveners and Secretaries

Douglas Mann, Secretariat, ISO/IEC JTC 1/SC 32

Pacific Northwest National Laboratory \*, 13667 Legacy Circle Apt H, Herndon, VA, 20171, United States of America

Telephone: +1 202-566-2126; Facsimile; +1 202-566-1639; E-mail: [MannD@battelle.org](mailto:MannD@battelle.org)

available from the JTC 1/SC 32 WebSite <http://www.jtc1sc32.org/>

\*Pacific Northwest National Laboratory (PNL) administers the ISO/IEC JTC 1/SC 32 Secretariat on behalf of ANSI

## ISO/IEC JTC 1/SC 32 N1159

### Summary of Voting on Document SC 32 N1102,

**Title:** ISO/IEC CD 20944-01 Information technology - Metadata Interoperability & Bindings (MDIB) Part 1:Framework

<b>“P” Member</b>	<b>Approval</b>	<b>Approval with Comments</b>	<b>Disapproval</b>	<b>Abstention</b>
Australia		X		
Belgium				
Brazil	X			
Canada			X	
China	X			
Czech Republic	X			
Egypt				
Finland				
Germany				X
Italy				X
Japan				
Korea, Republic of	X			
Netherlands, The				X
Norway				
Portugal				
Sweden				X
United Kingdom	X			
United States	X			
<b>Total “P”</b>	<b>6</b>	<b>1</b>	<b>1</b>	<b>4</b>
<b>“O” Member</b>				
Austria				
Denmark				
France				
Russian Federation				
Switzerland				
<b>Total “O”</b>				

**GERMANY**

Lack of Interest

**ITALY**

Lack of experts

**THE NETHERLANDS**

No experts available

**SWEDEN**

Lack of Expertise

**AUSTRALIA**

<p>AU</p>			<p><b>TE</b></p> <p><b>Comment - Major</b></p> <p>The organisation of this multipart standard is quite unwieldy and Unnecessarily so.</p> <p>It suggests 29 different parts with gaps in numbering for future usage, see extract below from N1102.</p> <div data-bbox="621 472 1234 899" data-label="Diagram"> </div>	<p>There is a logical grouping for these parts as can be seen in the table in the introduction also extracted below. We suggest the multipart standard be collapsed into a small number of logical groupings as indicated in the document. This would yield just 5 parts to this standard, with the consequential savings in administration and management of the standard as well as improving the usability of it.</p> <p><b>The 5 parts would be:</b></p> <ol style="list-style-type: none"> <li>1. Overview and Common Aspects</li> <li>2. Coding Bindings</li> <li>3. API Bindings</li> <li>4. Protocol Bindings</li> <li>5. Profiles</li> </ol>	

## CANADA

**Project:** 1.32.17.01.01.00  
**Title:** Canadian Ballot Comments on CD 20944-01 (32N1102)  
**Status:** Approved Canadian Ballot Comment  
**Date:** June 28, 2004  
**Source:** Canada

## 1. INTRODUCTION

Canada votes "DISAPPROVAL FOR THE REASONS ATTACHED" on ISO/IEC CD 20944-01 (N1102).  
Canada will change its vote to APPROVAL if the attached comments are satisfactorily addressed.

## 2. BALLOT COMMENTS

The following are the Canadian comments on ISO/IEC CD 20944-01 (N1102)

As agreed at the 2000 Manhattan meeting of WG2, Canada has used the ballot comment format defined by WG2 SD-006 and therefore the following ballot comments are sorted by sub-clause number with those comments that apply to the whole document at the beginning.

The columns in the document have the following meanings:

- **SEQ #** — A sequence number indicating the total number of comments – for use by the editor when consolidating comments.
- **Cmnt ID** — The comment identifier assigned by the organization submitting the comment
- **See Also** — Pointers to (comment identifiers of) other comments that appear to be closely related
- **Severity** — The severity of the problem as stated by the organization submitting the comment
- **Reference** — The location in the balloted document that the organization identified as most pertaining to the comment
- **Description** — The description provided by the organization with the comment; this includes any proposed solution provided by the organization
- **Addressed By** — For use by the Editor during and following the editing meeting.

SEQ #	Cmnt ID	See Also	Severity	Reference	Description	Addressed By
<b>JTC1/SC32 N1102 CD 20944-01</b>						
	CAN-P01-001		4-Minor Editorial	<i>00-All</i>	The SC32 Secretariat has requested that the part numbers be expressed as two digits rather than three, because that is all his software can handle.  <b>Proposed Solution</b> Throughout the document, remove leading zeroes from all three digit parts numbers. Parts 100-103 are to be renumbered to 80-83	
	CAN-P01-002	CAN-P01-030	4-Minor Editorial	<i>00 Foreword</i>	The title of Part 40 should be changed to "Common provisions for API bindings", as agreed in Xi'an.	
	CAN-P01-037		4-Minor Editorial	<i>00 Foreword</i>	The title of Part 45 should be "Perl API binding".	
	CAN-P01-038		4-Minor Editorial	<i>00 Foreword</i>	The title of Part 46 should be "LISP API binding".	
	CAN-P01-039		4-Minor Editorial	<i>00 Foreword</i>	The title of Part 47 should be "PHP API binding".	
	CAN-P01-003	CAN-P01-025	4-Minor Editorial	<i>00 Foreword</i>	The title of part 81 (listed as 101) should be changed to "Attribute mapping for 11179-3 MDR metamodel, as agreed in Xi'an.	
	CAN-P01-004	CAN-P01-026 CAN-P01-029	4-Minor Editorial	<i>00 Foreword</i>	The title of part 82 (listed as 102) should be changed to "Profile for 11179-3 MDR metamodel", as agreed in Xi'an.	
	CAN-P01-005	CAN-P01-027 CAN-P01-028	4-Minor Editorial	<i>00 Foreword</i>	The title of part 83 (listed as 103) should be changed to "URI suffixes for 11179-3 MDR metamodel navigation", as agreed in Xi'an.	
	CAN-P01-006		4-Minor Editorial	<i>00 Introduction</i>	The Figure should be replaced by the updated Figure developed in Xi'an.	
	CAN-P01-007		4-Minor Editorial	<i>02-Normative references</i>	When document goes to FDIS, footnote 1 should be replaced by a link to the publicly available standards on the ISO web site.	
	CAN-P01-008		4-Minor	<i>02-Normative</i>	In the title of ISO/IEC 20944-02, the words "Common vocabulary" should	

SEQ #	Cmnt ID	See Also	Severity	Reference	Description	Addressed By
			Editorial	<i>references</i>	be preceded by "Part 2: "	
	CAN-P01-009		4-Minor Editorial	<i>03-Terms and definitions</i>	"following terms" s/b "terms"	
	CAN-P01-010		4-Minor Editorial	<i>03-Terms and definitions</i>	<p>Why are the abbreviations "11179", "11179-3", "20943" and "20944" included here instead of being included in Part 2? In fact, "11179" and "20944" are in part 2, with different text for the definition.</p> <p>If they are retained here, then:</p> <p>1) in the note in 3.3, "3 parts" should be "2 published parts and 2 parts under development".</p> <p>2) the clause number associated with "20944" s/b 3.4 instead of 3.3.</p> <p style="text-align: center;"><b>Proposed Solution</b></p> <p>See comment CAN-P01-011.</p>	
	CAN-P01-011		2-Major editorial	<i>03-Terms and definitions</i>	<p>While Canada supports the consolidation of the vocabulary in a common part, we believe there is a need for at least the list of terms in each individual part, so that the reader knows which terms can be found in part 2. Once the document reaches FCD, we should add references to the specific sub-clauses where the definitions can be found.</p> <p style="text-align: center;"><b>Proposed Solution</b></p> <p><i>A list of terms to be included will be provided later.</i></p>	
	CAN-P01-012		4-Minor Editorial	<i>04</i>	In the last line of para 2, "different in purpose" s/b "different purpose".	
	CAN-P01-013		1-Major Technical	<i>05</i>	<p>The key concepts that are used in the rest of this document need to be introduced and explained. In particular, describe: binding, coding, API, protocol.</p> <p style="text-align: center;"><b>Proposed Solution</b></p> <p>Insert a new sub-clause "Concepts" before the current 5.1, and renumber the following sub-clauses.</p> <p><b>5.1 Concepts</b></p> <p>Inter-operability with a Metadata Registry can be achieved in various ways. This family of standards provides a framework within which many</p>	

SEQ #	Cmnt ID	See Also	Severity	Reference	Description	Addressed By
					<p>approaches can be standardized.</p> <p>All inter-operability requires some sort of interface, and associated bindings, between two or more participating functional units. A binding provides a concrete mapping of a functional unit to an interface.</p> <p>Three categories of bindings are supported by this family of standards:</p> <ul style="list-style-type: none"> <li>• <b>codings</b>, which deal with the formalized representation of information</li> <li>• <b>APIs</b>, which specify a binding in programming terms</li> <li>• <b>protocols</b>, which specify formalized communications.</li> </ul>	
	CAN-P01-014		4-Minor Editorial	05-01	In the last line of para 1, replace "strategies" by "methodologies" for consistency with the rest of the sub-clause.	
	CAN-P01-015		4-Minor Editorial	05-01	In para 2, rephrase "as layered series of technical specifications" to be "as a series of layered technical specifications".	
	CAN-P01-016		4-Minor Editorial	05-01	In para 3, the reference to "part 43" s/b "part 44".	
	CAN-P01-017		4-Minor Editorial	05-01	In para 4, 2 <sup>nd</sup> sentence, "is binding" s/b "is a binding".	
	CAN-P01-018		4-Minor Editorial	05-02	<p>In the description of syntax, the first example explains both the coding and the encoding, but the second example explains only the coding.</p> <p style="text-align: center;"><b>Proposed Solution</b></p> <p>Add at the end of the example: "the encoding would be the ordering of the bits within the octet (i.e. little endian vs. big endian)"</p>	
	CAN-P01-019		4-Minor Editorial	05-02	<p>3<sup>rd</sup> list item – context determines behaviour, not the other way around.</p> <p style="text-align: center;"><b>Proposed Solution</b></p> <p>Replace "determines" by "is determined by".</p>	
	CAN-P01-020		4-Minor Editorial	06	In each of the titles of parts, only the first word should be capitalized.	



SEQ #	Cmnt ID	See Also	Severity	Reference	Description	Addressed By
	CAN-P01-034		4-Minor Editorial	06	The ISO/IEC Directives Part 2 (5.2.4) states that hanging paragraphs, such as the one at the beginning of clause 6 should be avoided. <b>Proposed Solution</b> Insert a sub-clause heading "6.1 Overview" at the beginning of clause 6 before the first paragraph, and renumber the following sub-clauses.	
	CAN-P01-040		4-Minor Editorial	06-01	Change the title of clause 6.1 from "General" to "General features".	
	CAN-P01-021		4-Minor Editorial	06-01	The title of part 3 s/b: "Common provisions for conformance".	
	CAN-P01-022		1-Major Technical	06-01	We do not understand the purpose of Part 6. Please provide example usage. What is 'semi-structured aggregation'?	
	CAN-P01-035		4-Minor Editorial	06-02	This sub-clause is about "coding bindings", not "codings". <b>Proposed Solution</b> Rename the sub-clause title to "Coding bindings".	
	CAN-P01-036		4-Minor Editorial	06-03	This sub-clause is about "API bindings", not "Application Programming Interfaces". <b>Proposed Solution</b> Rename the sub-clause title to "API bindings".	
	CAN-P01-023		1-Major Technical	06-04	The list of protocol bindings includes ODBC but does not includes the SC32 standard SQL/CLI. Preference should be given to supporting SC32 standards before supporting proprietary protocols such as ODBC.	
	CAN-P01-024		4-Minor Editorial	06-05	In the first sentence of 6.5, change the range of part numbers to be 80-99, consistent with comment CAN-P01-001.	
	CAN-P01-025	CAN-P01-003 CAN-P01-029	4-Minor Editorial	06-05	The title of part 81 (listed as 101) should be changed to "Attribute mapping for 11179-3 MDR metamodel, as agreed in Xi'an.	
	CAN-P01-026	CAN-P01-004 CAN-P01-028	4-Minor Editorial	06-05	The title of part 82 (listed as 102) should be changed to "Profile for 11179-3 MDR metamodel", as agreed in Xi'an.	
	CAN-P01-027	CAN-P01-005	4-Minor Editorial	06-05	The title of part 83 (listed as 103) should be changed to "URI suffixes for 11179-3 MDR metamodel navigation", as agreed in Xi'an.	
	CAN-P01-041		4-Minor	07	The ISO/IEC Directives Part 2 (5.2.4) states that hanging paragraphs,	

SEQ #	Cmnt ID	See Also	Severity	Reference	Description	Addressed By
			Editorial		such as the one at the beginning of clause 7 should be avoided. <b>Proposed Solution</b> Insert a sub-clause heading "7.1 Overview" at the beginning of clause 7 before the first paragraph, and renumber the following sub-clauses.	
	CAN-P01-028	CAN-P01-004 CAN-P01-026	4-Minor Editorial	07-01	The title of part 82 (listed as 102) should be changed to "Profile for 11179-3 MDR metamodel", as agreed in Xi'an.	
	CAN-P01-029	CAN-P01-003 CAN-P01-025	4-Minor Editorial	07-01	The title of part 81 (listed as 101) should be changed to "Attribute mapping for 11179-3 MDR metamodel, as agreed in Xi'an.	
	CAN-P01-030	CAN-P01-002	4-Minor Editorial	07-01	The title of Part 40 should be changed to "Common provisions for API bindings", as agreed in Xi'an.	
	CAN-P01-031		4-Minor Editorial	07-01	At the beginning of the sample code, the prefixes "mdin" should be "mdib".	
	CAN-P01-032		1-Major Technical	07-02	This is a reminder to the Editor to provide the example as stated in the Editor's note.	
	CAN-P01-033		5- Procedural	General	This part should progress to FCD until all the parts described in it have progressed to at least 1 <sup>st</sup> CD. The rationale is to ensure consistency with those parts. If a few parts are delayed (e.g. Part 46: LISP API binding or Part 65 LDAP protocol binding), then progression of the remaining parts may be achieved by removing explicit reference to the delayed parts.	

End of  
Comments