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ISO/IEC JTC 1 Public Comments on ECMA Fast Track

ISO/IEC DIS 23271, Information Technology - CLI

Submitted by the United States

Prepared by Rex Jaeschke
rex@RexJaeschke.com
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1 ISO/IEC JTC 1 Public Comment on ECMA Fast Track

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3 ISO/IEC DIS 23271, Information Technology - CLI

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5 **Comment number:** US-CLI-001

6
7 **Comment category:** (please indicate one) __ Technical _X_ Editorial

8
9 **Summary:**

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11 Issues regarding organization and style.

12
13 **References:** (use actual document page number, not the PDF page number)

14
15 Partition I, Section various

16
17 **Detailed description:**

18
19 See below.

20
21 **Proposed solution:**

- 22
23 1. The document should be restructured according to ISO/IEC drafting guidelines.
24 For example, clause titles should be flush left, not flush right.
25
26 2. Search the document for instances of “must” and “can”, and replace them with
27 “shall” and “may”, respectively, as appropriate.
28
29 3. §1, Scope, should be normative not informative.
30
31 4. Since normative references and definitions are needed before one can discuss
32 conformance, sections 1–4 should be reordered as follows:
33
34 1 Scope
35 2 Normative References
36 3 Definitions
37 4 Conformance
38
39 5. §2, Conformance, it is not clear what the “mandatory requirements” are within the
40 standard. There are requirements (which are mandatory), but no so-called
41 “mandatory requirements” (search for “mandatory” within the document).
42
43 6. §3, References, is missing some wording. The following ISO/IEC boilerplate
44 wording is suggested: “The following referenced documents are indispensable for
45 the application of this document. For dated references, only the edition cited

1 applies. For undated references, the latest edition of the referenced document
2 (including any amendments) applies.

3

4 7. §3, page 3, lines 21–22: The reference to RFC1222 does not appear to be used
5 and should be deleted.

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ISO/IEC JTC 1 Public Comment on ECMA Fast Track

ISO/IEC DIS 23271, Information Technology - CLI

Comment number: US-CLI-002

Comment category: (please indicate one) Technical Editorial

Summary:

Suggestions for improving the glossary.

Reference: (use actual document page number, not the PDF page number)

Partition I, section 4

Detailed description:

See below.

Proposed solution:

1. This clause should be titled “Definitions”.
2. This clause should be normative.
3. This clause should be presented according to the usual ISO/IEC drafting guidelines.
4. The terminology should be consistent with ISO/IEC terminology. The following are suggested improvements:
5. Change “aggregate datatype” to: “aggregate datatype: a datatype whose values are made up of values of the component datatypes” [Source ISO/IEC 11404]
6. Improve the wording on “derived type” definition. What does “guarantee” mean?
7. Improve the wording on definitions (check them all): example, “pointer type”, “pointers” (should be singular) ... the definitions include the term itself ... they shouldn't.
8. For the term “sealed”, it is not clear what “specifies” means ... probably “indicates” is a better word.
9. Should include a definition for “code” (code: software, programs).

- 1 10. Change “type” to: “type: a set of distinct values, characterized by properties of
2 those values and by operations on those values.” [Source ISO/IEC 11404]
3
- 4 11. Remove term “value” and add [Source ISO/IEC 11404]:
5 • atomic value: having a value which is intrinsically indivisible
6 • aggregate value: having values which can be seen as an organization of
7 specific component datatypes with specific functionalities (e.g., structs,
8 arrays)
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ISO/IEC JTC 1 Public Comment on ECMA Fast Track

ISO/IEC DIS 23271, Information Technology - CLI

Comment number: US-CLI-003

Comment category: (please indicate one) Technical Editorial

Summary:

Question regarding the use of “clause” versus “sub clause”.

Reference: (use actual document page number, not the PDF page number)

Partition I, section 11.1.6, page 76, line 2

Detailed description:

Should “sub clause” be used instead of “clause”?

Proposed solution:

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ISO/IEC JTC 1 Public Comment on ECMA Fast Track

ISO/IEC DIS 23271, Information Technology - CLI

Comment number: US-CLI-004

Comment category: (please indicate one) Technical Editorial

Summary:

Minor editorial improvement to “Timing of Exceptions”

Reference: (use actual document page number, not the PDF page number)

Partition I, section 11.4.2.4, page 90, line 4

Detailed description:

See below

Proposed solution:

Replace “thrown no later than the instruction is executed” to “thrown no later than when the instruction is executed”.