Subject: Comments on Clause 4
From: Van Snyder

1 Edits

Edits refer to 06-007r1. Page and line numbers are displayed in the margin. Absent other instructions, a page and line number or line number range implies all of the indicated text is to be replaced by associated text, while a page and line number followed by + (-) indicates that associated text is to be inserted after (before) the indicated line. Remarks are noted in the margin, or appear between [and] in the text.

[Get rid of “may,” which might be ambiguously interpreted as “permission” or “possibility.” Editor: “may ... real” ⇒ “for logical and bits is completely determined by this part of ISO/IEC 1539. The sets of valid values for integer, character and real are processor dependent.”. Make definitions for complex and derived type parallel: “For complex values the set of valid values” ⇒ “The set of valid values for complex”, “For derived types ... as” ⇒ “The set of valid values for a derived type is”.]] 41:12-16

[“may” is probably OK here, but if it’s not, “may” ⇒ “can” twice.] 41:20-21

[Editor: “may” ⇒ “can”.] 41:29

[Editor: “may” ⇒ “might”.] 41:32

[In case “may” isn’t OK here, “may“ ⇒ “shall not”, “only” ⇒ “except”.] 42:16

[Apply the Weaver rule: Say something twice, say it wrong at least once. The proper place for the description of assignment is subclause 7.4. Extensive discussion of assignment is especially inappropriate here given that it is only “one means of defining or redefining....” Editor: Insert “(7.4)” after “Assignment”, then delete “Assignment ... (7.4.1.4)” at [43:16-20] and Note 4.4.] 43:15-20+2

[Everything after the first sentence duplicates syntax rules. Note 4.5 at [44:5+1-3] is enough of a reminder. Editor: Delete “in ... used.” Otherwise, delete Note 4.5.] 43:24-26

[Full stops are not delimitersĖditor: Delete “following the trailing delimiter”.] 53:17

[The “bits” feature added .XOR. as another nonequivalence operator. Editor: Insert “or .XOR.” after “.NEQV.”.] 53:20

[Earlier, we are careful to say “previously defined or 56:1

[Editor: Insert “(4.5.7)” after “extended type” because type extension is a forward reference.] 60:5

[Needs to say that the components are finalized in a processor-dependent order. Editor: “Each ... finalized” ⇒ “All finalizable components that appear in the type definition are finalized in processor-dependent order”] 71:6 and Annex E

[The syntax term *generic-spec* includes *dtio-generic-spec*. Editor: Delete [74:3-5].] 74:1-5

[Don’t say “rank-one” again since it’s already said at [79:2]. Editor: Delete “rank-one”.] 80:17