



Information technology — Programming languages — Fortran — Part 1: Base language

TECHNICAL CORRIGENDUM 1

Technologies de l'information — Langages de programmation — Fortran —

Partie 1: Langage de base

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to International Standard ISO/IEC 1539-1:1997 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 22, *Programming languages, their environments and system software interfaces*.

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Subclause 4.3.1.1

Replace text of constraint after R407 with “A *boz-literal-constant* may appear only as a *data-stmt-constant* in a DATA statement.”

Pages 39 and 40

Subclause 4.4.1

In the text of the constraint preceding R428, replace: “a constant specification expression (7.1.6.2)” with “an initialization expression (7.1.6.1)”.

In the second constraint after R429, replace “a constant specification expression (7.1.6.2)” with “an initialization expression (7.1.6.1)”.

In NOTE 4.19, replace “a constant” with “an initialization”.

Pages 48 and 49

Subclause 5.1

In the final paragraph of Page 48, replace: “may be a nonconstant expression provided the specification expression” with “shall be an initialization expression unless it”.

In the first paragraph of page 49:

- (i) delete the sentence: “If a ... nonconstant expression.”.
- (ii) replace “such a nonconstant expression” with “a *specification-expr* that is not an initialization expression”.

In the first paragraph following NOTE 5.3, replace: “a nonconstant expression” with “an expression that is not an initialization expression”.

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Subclause 5.1.1.5

In the paragraph following NOTE 5.6, replace “a constant specification” with “an initialization”.

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Subclause 5.1.2.3

Replace item (2) of the second constraint with

- (2) A *pointer-object* in a *pointer-assignment-stmt* or *nullify-stmt*,

Replace item (3) of the second constraint with

- (3) A *do-variable* in a *do-stmt* or *io-implied-do*,

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Subclause 5.1.2.4.1

In the constraint, replace: “nonconstant expressions” with “expressions that are not initialization expressions”.

In line 2 after the constraint, replace “nonconstant specification” with “not initialization”.

In line 3 after the constraint, replace “nonconstant specification” with “not initialization”.

In lines 5 and 6 after the constraint, replace the sentence by “The bounds of such an array are unaffected by the redefinition or undefinition of any variable during execution of the procedure.”.

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Subclause 5.1.2.4.4

In line 1 of the final paragraph of the subclause, replace “nonconstant specification” with “not initialization”.

In the final paragraph of the subclause, replace the final sentence “The bounds of such...procedure.” with “The bounds of such an array are unaffected by the redefinition or undefinition of any variable during execution of the procedure.”.