



**INTERNATIONAL STANDARD ISO/IEC 1539-1:2018
TECHNICAL CORRIGENDUM 2**

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

TECHNICAL CORRIGENDUM 2

Technologies de l'information — Langages de programmation — Fortran — Partie 1: Langage de base

RECTIFICATIF TECHNIQUE 2

Technical Corrigendum 2 to ISO/IEC 1539-1:2018 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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Introduction

In the second paragraph, in the tenth sentence of bullet point “Intrinsic procedures and modules”, after “C_F_POINTER” add “and C_F_PROCPOINTER”.

In the second paragraph, in the last sentence of bullet point “Program units and procedures”, after “dummy argument” add “, or a coarray ultimate component of a dummy argument,”.

5.4.7

Append a new sentence to the second paragraph:

“If a coarray is an unsaved local variable of a recursive procedure, its corresponding coarrays are the ones at the same depth of recursion of that procedure on each image.”

9.7.1.2

Delete the last sentence in the third paragraph, that is “If the coarray ... on those images.”, and insert the following three sentences:

“If the coarray is a dummy argument, the ultimate arguments (15.5.2.3) on those images shall be corresponding coarrays. If the coarray is an ultimate component of a dummy argument, the ultimate arguments on those images shall be declared with the same name in the same scoping unit. If the coarray is an unsaved local variable of a recursive procedure, the execution of the ALLOCATE statement shall be at the same depth of recursion of that procedure on every active image in the current team.”

10.1.11

At the end of the sixth paragraph, add the sentence:

“If a specification inquiry depends on the type of an object of derived type, that type shall be previously defined.”

11.1.7.2

In the first sentence of constraint C1128, after “of finalizable type,” insert “shall not have an allocatable ultimate component,”

12.6.2.1

After constraint C1213 insert a new constraint:

“C1213a A SIZE= specifier shall not appear in a list-directed or namelist input statement.”

13.7.2.3.3

In table 13.1:

- change row 1, column 1 from “Ew.d” to “Ew.d with $w > 0$ ”;
- change row 3, column 1 from “Ew.d E0” to “Ew.d E0 or E0.d”;