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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

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Subclause 4.4.1
In the third line of the first paragraph of the subclause, before the sentence beginning "The kind type parameter..." insert the following sentence.

The kind type parameter is of type default integer.

Subclause 4.4.2
In the fourth line of the first paragraph of the subclause, before the sentence beginning "The kind type parameter..." insert the following sentence.

The kind type parameter is of type default integer.

In the second line of the second paragraph of the subclause, insert "mathematically" before "equivalent".

Subclause 4.4.3
In the fourth line of the second paragraph of the subclause, before the sentence beginning "The kind type parameter..." insert the following sentence.

The kind type parameter is of type default integer.

Subclause 4.4.4
In the third line of the first paragraph of the subclause, insert "its kind is processor-dependent and" before "its value".

In the third line of the second paragraph of the subclause, before the sentence beginning "The kind type parameter..." insert the following sentence.

The kind type parameter is of type default integer.

Subclause 4.4.4.1
In constraint C416, in the second line of list item (3), delete "or".

In constraint C416, add the following new list item immediately after item (3).

(3.5) in the *type-spec* or *derived-type-spec* of a type guard statement (8.1.5), or

In the final paragraph of the subclause, add the following new list item immediately after item (3).

(3.5) If used in the *type-spec* of a type guard statement, the associating entity assumes its length from the selector.

Subclause 4.4.5
In the second line of the second paragraph of the subclause, before the sentence beginning "The kind type parameter..." insert the following sentence.

The kind type parameter is of type default integer.

Subclause 4.5.3
Following constraint C447, add the following new constraint.

C447a (R440) If *component-initialization* appears, every type parameter and array bound of the component shall be an initialization expression.

Subclause 4.5.5.2
In the first line of the fourth paragraph of the subclause, after the first occurrence of "structure constructor", insert "or array constructor". On the same line, delete the second occurrence of "structure".

In the new sixth paragraph introduced in Technical Corrigendum 1, after the first occurrence of "structure constructor", insert "or array constructor". In the same sentence, delete the second occurrence of "structure".

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Subclause 5.1
In the first line of constraint C512, delete ", EXTERNAL".

In the second line of constraint C521, after "dummy procedure" insert ", a procedure pointer".

Replace constraint C536 by the following.

C536 (R501) If the PROTECTED attribute is specified, the INTRINSIC or PARAMETER attribute shall not be specified. If the PROTECTED and EXTERNAL attributes are specified, the POINTER attribute shall also be specified.

Subclause 5.1.2.5.4
In the first line of constraint C544, insert "polymorphic, of a finalizable type, of a type with an ultimate allocatable component, or" before "of a type".

Subclause 5.2
Replace the last sentence of the first paragraph of subclause 5.2 (This also applies ... statements.) by the following.

This also applies to procedure declaration statements, and to EXTERNAL and INTRINSIC statements.

Subclause 5.2.10
Replace constraint C568 by the following.

C568 (R541) The EXTERNAL attribute (5.1.2.6) shall be explicitly specified for a *proc-entity-name*.

Subclause 7.4.2
In the second line of rule R736, replace "*variable %*" by "*scalar-variable %*".

In the first line of constraint C722, replace "*variable*" by "*scalar-variable*".

In rule R741, replace "*variable*" by "*scalar-variable*".

In the second line of constraint C725, replace "*variable*" by "*scalar-variable*".

Subclause 8.1.5.1
In rule R823, replace the line

or CLASS IS (*type-spec*) [*select-construct-name*]

by the line

or CLASS IS (*derived-type-spec*) [*select-construct-name*]

In constraint C814, after "*type-spec*", insert "or *derived-type-spec*".

In constraint C815, after "*type-spec*", insert "or *derived-type-spec*".

In the first line of constraint C816, after "*type-spec*", insert "or *derived-type-spec*".

Subclause 9.5.1.3
In the second line of the subclause, replace "this input/output statement" by "a nonchild input/output statement".

In the fourth line of the subclause, replace "from an input/output statement" by "from a nonchild input/output statement".

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At the end of the paragraph insert the following sentence.

> A formatted child input/output statement is a nonadvancing input/output statement, and any ADVANCE= specifier is ignored.

Subclause 9.5.3.7.1
In the final paragraph of the subclause, add the following after the first item in the bulleted list.

- Any ADVANCE= specifier in a child input/output statement is ignored.

Subclause 10.9.1
In the eighth line of the penultimate paragraph of the subclause, replace "blank, comma, slash" by "blank, comma (if the decimal edit mode is POINT), semicolon (if the decimal edit mode is COMMA), slash".

Subclause 10.10.1.2
In the second line of the third paragraph of the subclause, delete "of intrinsic data types".

In the fourth line of the same paragraph, replace "intrinsic type" by "type".

Subclause 10.10.1.3
In the second line of the second paragraph of the subclause, replace "a comma" by "a comma (if the decimal edit mode is POINT) or a semicolon (if the decimal edit mode is COMMA),".

In the third line of the same paragraph, before the sentence beginning "The first numeric input field..." insert the following sentence.

> The separator is a comma if the decimal edit mode is POINT; it is a semicolon if the decimal edit mode is COMMA.

In the fifth and sixth lines of the same paragraph, replace "comma or between the comma" by "separator or between the separator".

In the last line of the fifth paragraph of the subclause, after "comma," insert " semicolon,".

Subclause 10.10.2.2
In the first line of the final paragraph of the subclause, before "continuation" insert "new records created by explicit formatting within a user-defined derived-type output procedure or by".

Subclause 12.3.2.1.2
In the first line of the second paragraph of the subclause, replace "Each argument shall be nonoptional" by "The dummy arguments shall be nonoptional dummy data objects".

Subclause 12.4.1.2
In the third line of the sixteenth paragraph of the subclause (which begins "If the actual argument is scalar,...") replace "assumed-shape or pointer" by "assumed-shape, pointer, or polymorphic".

Subclause 14.10.7
In the first line of the **Argument** paragraph, after "shall be" add "scalar and".

Subclause 14.10.22
In the first line of the **Argument** paragraph, after "shall be" add "scalar and".

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