**ISO/IEC/JTC 1/SC 22/WG 23 N1231**

 **Draft edits to N1225 Fortran Vulnerabilities**

**Table of contents**

Update for the new 4.8.

**4.9.4 Segments**

In para 3, change “4.8.5” to “4.9.5”.

**6.23.2 Guidance to language users**

Delete comment. [Precedence is about the interpretation of a\*b+c. Associativity is about whether a+b+c is interpreted as (a+b)+c or a+(b+c).]

**6.30.1 Applicability to language**

Para 3. Delete comment.

**6.37.1 Applicability to language**

Para 2. Change “transfer intrinsic function” to “intrinsic function transfer”.

Para 3. Change “common or equivalence” to “common , equivalence, or entry” and change “transfer intrinsic procedure” to “intrinsic function transfer”.

**6.38.1 Applicability to language**

Para 2, line 1. After “components” add “(see clause 4.8)” and delete comment.

**6.39.1 Applicability to language**

In para 2, change “do not suffer from this vulnerability” to “cannot cause memory leaks” , add “Multiple allocations using pointers or allocatables may cause fragmentation.”, and delete comment.

**6.39.2 Guidance to language users**

In bullet 1, change “6.20.5” to “6.39.5”.

**6.41.1 Applicability to language**

Change “non overridable” to “non\_overridable”.

**6.41.2 Guidance to language users**

Change “non overridable” to “non\_overridable”.

**6.43.1 Applicability to language**

Change “6.45” to “6.43”.

**6.44.1 Applicability to language**

Change “6.45” to “6.44”, twice.

Change the final sentence to “Unless no action is acceptable behaviour when no guard statement provides a match, the class defaultguard statement can be use to provide code that indicates an error.” and delete the comment.

**6.44.2 Guidance to language users**

Delete the first bullet. [Does not apply to Fortran.]

Change the second bullet to “Use the class defaultguard statement to provide code that indicates an error unless no action is acceptable behaviour when no guard statement provides a match.”

**6.45.1 Applicability to language**

Para 2. At end of sentence 1 add “and intrinsic modules”. In sentence 2, after “procedures” add “or modules”.

**6.45.2 Guidance to language users**

At the end of bullet 3 add“and modules”.

Add new bullet “Specify intrinsic or non\_intrinsic on a use statement for a module.

**6.63.1 Applicability to language**

Change “4.8” to “4.9”.