

#### **6.28.1 Applicability to language**

Line 3. Use courier for “do”, “select”, and “if”.

#### **6.28.2 Avoidance mechanisms for language users**

Bullet 2. Use courier for “cycle” and “exit”.

#### **6.38.1 Applicability to language**

Para 1, line 2. Delete “one-level”.

Para 2, line 2. Change “4.8.1” to “4.8”.

#### **6.38.2 Avoidance mechanisms for language users**

Delete bullet 3. [Not relevant here and conflicts with 6.9.2.]

#### **6.42.1 Applicability to language**

Change to

‘The vulnerability specified in ISO/IEC TR 24772-1:2019 clause 6.42 applies to Fortran. Fortran provides no mechanism to specify and enforce pre- and postconditions, but the programmer may have this in mind and include tests in the code. Fortran has no mechanism to prevent “has-a” inheritance.’

#### **6.42.2 Avoidance mechanisms for language users**

Change to

- Use the avoidance mechanisms of ISO/IEC 24772-1 clause 6.42.5.
- Use the `select type` construct to specify the type intended in type-bound references.

#### **6.43.1 Applicability to language**

Delete

‘, since calls to type-bound procedures inside inherited implementation dispatch to the dynamic type of the object in question. In Fortran, calls to procedures only dispatch when prefixed with an object.’

[Too obvious to be worth stating.]

Delete para

‘Furthermore, ... type.’

[How does this help in the context of this vulnerability?]

#### **6.43.2 Avoidance mechanisms for language users**

Delete bullet

‘Where redispaching is undesirable, do not prefix the call of a procedure with the name of an object.’

[Does not prevent redispaching.]

#### **6.44.1 Applicability to language**

In para 2, line 2, delete “assignments and”.

At the end of para 2 add “Downcasts are possible in Fortran only by explicit coding.”

Delete para 3

[Select type constructs use the dynamic type to choose at most one block. Within the block, the dynamic type is treated as the declared type.]

Para 4, penultimate line: after “covered” change comma to semicolon.

#### **6.42.2 Avoidance mechanisms for language users**

Bullet 1 Remove “?” and delete the comment.