

Subject: Allow a GENERIC statement as an alternative to an interface block
From: Van Snyder
Reference: 03-258r1, section 2.4.5

1 **Number**

2 TBD

3 **Title**

4 Allow a GENERIC statement as an alternative to an interface block.

5 **Submitted By**

6 J3

7 **Status**

8 For consideration.

9 **Basic Functionality**

10 Allow a GENERIC statement as an alternative to an interface block.

11 **Rationale**

12 One can use a GENERIC statement within a type definition to declare a generic collection of specific
13 procedures. One cannot, however, use such a statement outwith a type definition. The GENERIC
14 statement is simpler than an interface block full of [MODULE] PROCEDURE statements. Students will
15 find the irregularity and assymetry to be confusing.

16 **Estimated Impact**

17 Minor. Copy the discussion of the GENERIC statement from Section 4 to Section 12, mutatis mutandis.

18 **Detailed Specification**

19 Allow one to use a GENERIC statement of the same form as the one permitted in a type definition, in
20 any specification part. The form of the GENERIC statement would be

21 `GENERIC [, access-spec] :: generic-spec => procedure-name-list`

22 which would be equivalent to

```
23 [ access-spec :: generic-spec ]  
24 INTERFACE generic-spec  
25     MODULE PROCEDURE procedure-name-list  
26 END INTERFACE [ generic-spec ]
```

27 **History**