Subject: Problems with the procedure declaration statement
From: Van Snyder

1   Problems in 12.3.2.3 Procedure declaration statement

1. The syntax term *proc-entity* is referenced in the text. It is neither referenced nor defined in any syntax rule.

2. It isn't clear to what the headings of table 12.1 refer.

2   Edits for 12.3.2.3 Procedure declaration statement

Edits refer to 01-007r1. Page and line numbers are displayed in the margin. Absent other instructions, a page and line number or line number range implies all of the indicated text is to be replaced by immediately following text, while a page and line number followed by + (-) indicates that immediately following text is to be inserted after (before) the indicated line. Remarks are noted in the margin, or appear between [and] in the text.

[Correct number in introductory waffle.] A procedure declaration statement declares procedure pointers, dummy procedures, and external procedures.	252:5-6
[Editor: "*proc-entity-name*" ⇒ "*procedure-entity-name*".]	252:17
[Editor: "*proc-entity*" ⇒ "procedure entity"; delete first "the"; "an" ⇒ "the".]	252:25
[The constraint is either redundant or contradictory. Editor: Delete.]	252:27-30
[A procedure declaration statement can declare three categories of procedure entities. By prohibiting procedure pointers to be elemental, it appears to imply that the other two can be. This causes one to go hunting for the answers to the questions "can dummy arguments be elemental?" (no) and "can external procedures be elemental?" (yes). The revised constraint below is almost exactly the same size, and leaves no such questions.] Constraint: If *proc-interface* describes an elemental procedure each *procedure-entity-name* shall specify an external procedure.	252:31-32
[Editor: "*proc-entity*" ⇒ "the procedure entity".]	252:33
[Editor: "*proc-entity*" ⇒ "procedure entity".]	252:36
[It is not clear in table 12.1 to what the "POINTER attribute?" and "dummy argument?" headings refer, and the definitions specified by the table are referenced in prior constraints, e.g. at [252:27]. The function of the table has been replaced by specifications in other parts of the standard. Editor: Delete table 12.1 and delete it from the list of tables.]	252:42-253:4

3 New unresolved issue notes

J3 internal note 12:30+

Unresolved issue xxx
Do we need subsections of 2.2.3? They duplicate material in section 12 (but only some of it – intrinsic procedures, dummy procedures, procedure pointers and statement functions are absent here). Some of the material in 2.2.3 is more detailed than in section 12. Do we need the extra details (e.g. "An external procedure may be invoked by the main program or any procedure of a program" in 2.2.3.1)? If we do, shouldn't they be in section 12, not in the introductory waffle?

J3 internal note 243:13+

Unresolved issue xxx
Should user-defined derived-type input/output be mentioned above?