

To: WG5
 From: Jeanne Martin
 Subject: Proposed Form for the Repository of Requirements for Future Fortran
 Standardization

One of the between-meetings activities for member bodies before the 1993 meeting is to prepare suggested requirements accompanied by rationale and send them to Convenor at least 6 weeks before the meeting.

Note that the 6-week rule puts the deadline for suggested requirements at May 24, 1993. It is up to each member body to determine appropriate methods for gathering requirements. WG5 accepts requirements primarily from member bodies, but also from organizations and individuals. Entering a request in the repository carries no guarantee for eventual standardization.

WG5 as a whole has not considered the form these suggested requirements should take. One of the tasks at the meeting will be to establish the form of the repository of requirements (which will become WG5 Standing Document 5). However, it seems clear that if the suggested requirements appear in similar form, they will be easier to process and evaluate. The following proposal suggests a form for the repository. Putting suggested requirements into repository form will also make creation of the actual repository much easier.

Proposal:

For each item in the repository, the following fields must be supplied:

Number:
 Title:
 Submitted By:
 Status:
 Target Completion Date:
 Progress:
 References:
 Basic Functionality:
 Rationale:
 Estimated Impact:
 Detailed Specification:
 History:

where

Number: will be assigned by the keeper of the repository

Title: will be short and informative

Submitted By: is a member body, organization, or individual

Status: is one of - For Consideration
 Accepted for _____ Revision
 Being Developed for _____ Revision
 Rejected (with reasons)

If Status is Being Developed, the following fields are added:

Target Date For Completion:

Progress:

where Progress: is

Satisfactory

Unsatisfactory (corrective action required)

When a revision is adopted, all items included in that revision are removed from the Repository. A Rejected item will be retained unless WG5 votes to remove it.

References: are WG5 paper numbers

Basic Functionality: is a short description

Rationale: are the reasons for standardizing the feature including the expected users of the feature

Estimated Impact: indicates other features that would be affected and explains how they would be affected, indicates effect on existing programs, and describes the impact on existing implementations of Fortran 90.

Detailed Specification: must exist before the Status can be changed to Being Developed. It includes everything WG5 wishes to communicate to the development body.

History: must include the date of submittal and the date of any status changes

[This proposal was influenced by email from Len Moss and Maureen Hoffert.]