

f90_unix_io: Unix I/O Operations Module

July 31, 2012

1 Name

`f90_unix_io` — Module of Unix I/O operations

2 Usage

USE F90_UNIX_IO, ONLY: FLUSH

This module will contain part of a Fortran API to functions detailed in ISO/IEC 9945-1:1990 Portable Operating System Interface (POSIX) - Part 1: System Application Program Interface (API) [C Language].

In this release only the **FLUSH** procedure is supported. Users are advised to use the **ONLY** clause when using this module, as it will have further names added in later releases.

Error handling is described in **F90_UNIX_ERRNO**. Note that for procedures with an optional **ERRNO** argument, if an error occurs and **ERRNO** is not present, the program will be terminated.

All procedures in this module are generic and may also be specific (this may change in a future release).

3 Synopsis

Generic Procedures

FLUSH.

4 Procedure Description

```
SUBROUTINE FLUSH(LUNIT,ERRNO)
INTEGER(*),INTENT(IN) :: LUNIT
INTEGER(ERROR_KIND),OPTIONAL,INTENT(OUT) :: ERRNO
```

Flushes the output buffer of logical unit **LUNIT**. The effect is similar to the Fortran 2003 **FLUSH** statement, except that the statement allows flushing a unit which is not connected but the procedure does not.

If **LUNIT** is not a valid unit number or is not connected to a file, error **EBADF** is raised (see **F90_UNIX_ERRNO**).

5 See Also

f90_unix_errno(3), **intro(3)**, **nag_modules(3)**, **nagfor(1)**.

6 Bugs

Please report any bugs found to ‘support@nag.co.uk’ or ‘support@nag.com’, along with any suggestions for improvements.