

NAG Fortran Library Routine Document

E05JJF

Note: before using this routine, please read the Users' Note for your implementation to check the interpretation of *bold italicised* terms and other implementation-dependent details.

1 Purpose

E05JJF is used to get the value of an 'ON'/'OFF'-valued character E05JBF optional parameter. E05JJF can be used before or after calling E05JBF, but the initialization routine E05JAF **must** have been called before calling E05JJF.

2 Specification

```
SUBROUTINE E05JJF (STRING, CVALUE, RW, LENRW, IFAIL)
  INTEGER          LENRW, IFAIL
  double precision RW(LENRW)
  CHARACTER*(*)    STRING
  CHARACTER*8      CVALUE
```

3 Description

E05JJF obtains the current value of an 'ON'/'OFF'-valued character option. For example

```
CALL E05JJF ('Local Searches', LCSRCH, RW, LENRW, IFAIL)
```

will result in the 'ON'/'OFF'-value of the optional parameter **Local Searches** being output in LCSRCH.

A complete list of optional parameters, their abbreviations, synonyms and default values is given in Section 11 of the document for E05JBF.

4 References

None.

5 Parameters

- 1: STRING – CHARACTER*(*) *Input*
On entry: a valid 'ON'/'OFF'-valued character optional parameter (as described in Section 11 of the document for E05JBF).
- 2: CVALUE – CHARACTER*8 *Input*
On entry: the 'ON'/'OFF'-value associated with the keyword in STRING.
- 3: RW(LENRW) – *double precision* array *Communication Array*
 The array RW **must not** be altered between calls to any of the routines E05JBF, E05JCF, E05JDF, E05JEF, E05JFF, E05JGF, E05JHF, E05JKF and E05JLF.
- 4: LENRW – INTEGER *Input*
On entry: the dimension of the array RW as declared in the (sub)program from which E05JJF is called.
- 5: IFAIL – INTEGER *Input/Output*
On entry: IFAIL must be set to 0, -1 or 1. If you are unfamiliar with this parameter you should refer to Chapter P01 for details.

On exit: IFAIL = 0 unless the routine detects an error (see Section 6).

For environments where it might be inappropriate to halt program execution when an error is detected, the value -1 or 1 is recommended. If the output of error messages is undesirable, then the value 1 is recommended. Otherwise, if you are not familiar with this parameter the recommended value is 0 . **When the value -1 or 1 is used it is essential to test the value of IFAIL on exit.**

6 Error Indicators and Warnings

If on entry IFAIL = 0 or -1 , explanatory error messages are output on the current error message unit (as defined by X04AAF).

Errors or warnings detected by the routine:

IFAIL = 1

The initialization routine E05JAF has not been called.

IFAIL = 2

The supplied option is invalid. Check that the keywords are neither ambiguous nor misspelt.

IFAIL = 3

The optional parameter in STRING is not associated with an 'ON'/'OFF'-value. See Section 11 of the document for E05JBF for a full list of the optional parameters.

IFAIL = 4

The option-name contained the wrong number of word 'tokens', so could not be recognised by the routine.

7 Accuracy

Not applicable.

8 Further Comments

None.

9 Example

See Section 9 of the document for E05JCF.
