

Z01AEFP

NAG Parallel Library Routine Document

Note: before using this routine, please read the Users' Note for your implementation to check for implementation-dependent details.

1 Description

Z01AEFP is called in more sophisticated applications where the user is not relying on the NAG Parallel Library mechanism to claim processes. If the user does not wish to make a direct call to Z01AAFP to create the Library Grid and wishes to use BLACS routines (e.g., BLACS_GRIDINIT and BLACS_GRIDMAP), then a call to Z01AEFP must be made prior to a call to the first NAG Parallel Library routine. This feature allows multigridding and is particularly useful when the user-generated context needs to be passed to the NAG Parallel Library routines. This routine need be called only once.

2 Specification

```
SUBROUTINE Z01AEFP(ICNTXT)
  INTEGER          ICNTXT
```

3 Usage

None.

4 Arguments

- 1: ICNTXT — INTEGER *Local Input*
On entry: the BLACS context generated by the user (possibly returned by a call to BLACS_GRIDINIT or BLACS_GRIDMAP).

5 Errors and Warnings

None.

6 Further Comments

If the user sets up processes to be used by the BLACS without using the NAG Parallel Library mechanism provided by Z01AAFP and fails to call Z01AEFP before calling another Library routine, then the Library routine will exit with an error message.

7 References

- [1] Blackford L S, Choi J, Cleary A, D'Azevedo E, Demmel J, Dhillon I, Dongarra J, Hammarling S, Henry G, Petitet A, Stanley K, Walker D and Whaley R C (1997) ScaLAPACK Users' Guide *SIAM* 3600 University City Science Center, Philadelphia, PA 19104-2688, USA. URL: http://www.netlib.org/scalapack/slug/scalapack_slug.html

8 Example

None.
