

1 **Edits - Issue 118**
2 **Arguments to DATE_AND_TIME Subroutine**

3 **Introduction**

4 Issue 118, p. 319, asks whether it would be better to not restrict the lengths of the CHARACTER arguments
5 to the DATE_AND_TIME subroutine. Also, the current wording makes it unclear whether the usual rules of
6 character assignment are used to define the values of these arguments.

7 JOR decided that it is best to apply the usual rules of character assignment when defining the values of these
8 arguments and not to restrict the values of these arguments. This is an extension of the functionality now
9 provided in Fortran 95.

10 **Edits**

11 The following edits refer to 99-007r2.

12 319:2-10 Delete the J3 Internal Note.

13 319:11-29 Replace the text for the DATE, TIME, and ZONE arguments with the following:

14 DATE (optional) shall be scalar and of type default character. It is an INTENT(OUT) argument. It is
15 assigned a value of the form *CCYYMMDD*, where *CC* is the century, *YY* is the year within
16 the century, *MM* is the month within the year, and *DD* is the day within the month. If
17 there is no date available, DATE is assigned all blanks.

18 TIME (optional) shall be scalar and of type default character. It is an INTENT(OUT) argument. It is
19 assigned a value of the form *hhmmss.sss*, where *hh* is the hour of the day, *mm* is the
20 minutes of the hour, and *ss.sss* is the seconds and milliseconds of the minute. If there is no
21 clock available, TIME is assigned all blanks.

22 ZONE (optional) shall be scalar and of type default character. It is an INTENT(OUT) argument. It is
23 assigned a value of the form *+hhmm* or *-hhmm*, where *hh* and *mm* are the time
24 difference with respect to Coordinated Universal Time (UTC) in hours and minutes,
25 respectively. If this information is not available, ZONE is assigned all blanks.

26 320:9 Delete "(and is also known as Greenwich Mean Time)" from the note.

27 **References**

28 J3 / 99-233, "Issue 118"

29 [End of J3 / 99-258]