Identification Division. Program-ID. J7200524. * Copyright Wisconsin Department of Transportation * Permission is hereby granted, free of charge, to any person or * organisation to use this software and its associated files * subject to the following conditions: * The software may be redistributed free of charge to any other * person or organisation provided that the above copyright * notice, this permission notice and the disclaimer shall be * included with all copies of the Software. * THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF * ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED * TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A * PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT * SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR * ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN * ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, * OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR * OTHER DEALINGS IN THE SOFTWARE. IF THIS DISCLAIMER * CONTRADICTS LOCALLY APPLICABLE LAW THEN USE OF THIS * SOFTWARE IS PROHIBITED. * This program wraps up the LE callable services necessary to * obtain the current date and time (GMT or local) and format * that date and/or time according to a format string. This * is conceptually similar to the C function strftime(). * Valid values for the format string can be found by looking * up the CEEDATM callable service in the Language Environment * Programming Reference. * If errors are encountered in any of the LE callable services, * the service will display a message. It appears that CEEMSG * is used for this purpose. * Under systems other than CICS, Language Environment writes * the message to the ddname of the file specified in the MSGFILE * run-time option. Under CICS, the message is written to a * transient data queue named CESE.

* Currently, this means that in batch the message is likely to

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* be found in SYSOUT and in CICS it's likely to be found in
* CEEMSG.
*Working-Storage Section.
*01 CONSTANTS.
                                 PIC X(008) VALUE 'J8675309'.
     05 MYNAME
                                 PIC X(008) VALUE 'J7200524'.
     05 FMT-DT-TM-PGM
*01 LCL-TM-SW
                            PIC X(001).
    88 LCL-TM
                                        VALUE 'Y'.
     88 GMT-TM
                                        VALUE 'N'.
*01 DT-PIC-STRN.
    05 DT-PIC-STRN-LEN
                            PIC S9(004) COMP-5 VALUE +80.
     05 DT-PIC-STRN-VAL
                            PIC X(080)
        VALUE 'Www, DD Mmm YYYY HH:MI:SS GMT'.
*01 FMT-DT-TM
                             PIC X(080) VALUE SPACES.
*Procedure Division.
     SET GMT-TM TO TRUE
     CALL J7200524-PGM USING
         LCL-TM-SW
        DT-PIC-STRN
*
         FMT-DT-TM
     END-CALL
 Environment Division.
 Data Division.
 Working-Storage Section.
 01 CONSTANTS.
     05 MYNAME
                                 PIC X(008) VALUE 'J7200524'.
 01 WORK-AREAS.
     05 GMT-LILIAN
                                 PIC 9(008) COMP-5 VALUE 0.
     05 OSET-HRS
                                 PIC S9(008) COMP-5 VALUE +0.
     05 OSET-MIN
                                 PIC S9(008) COMP-5 VALUE +0.
     05 GMT-FLOT
                                             COMP-2 VALUE 0.0.
     05 OSET-SEC
                                             COMP-2 VALUE 0.0.
 Linkage Section.
* Input -
          Switch indicating whether to pass back local time
          or GMT. A value of 'Y' in this field indicates
          local time should be used. Any value other than 'Y'
           indicates GMT should be used.
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```
01 LCL-TM-SW
                             PIC X(001).
                                        VALUE 'Y'.
     88 LCL-TM
* Input - Date picture string prefixed by its length. Valid
          picture string formatting is documented in the
           Language Environment Programming Reference.
01 DT-PIC-STRN.
     05 DT-PIC-STRN-LEN
                             PIC S9(004) COMP-5.
     05 DT-PIC-STRN-VAL
        OCCURS 1 TO 80
        DEPENDING DT-PIC-STRN-LEN
                             PIC X(001).
* Output - GMT date/time formatted according to the content
          of DT-PIC-STRN-VAL.
01 FMT-DT-TM
                             PIC X(080).
 Procedure Division Using
     LCL-TM-SW
     DT-PIC-STRN
     FMT-DT-TM
    MOVE SPACES TO FMT-DT-TM
     Obtain GMT time.
     CALL 'CEEGMT' USING
        GMT-LILIAN
        GMT-FLOT
        OMITTED
     END-CALL
     IF LCL-TM
        If local time requested, obtain its offset from GMT
        and compute local time.
         CALL 'CEEGMTO' USING
             OSET-HRS
             OSET-MIN
             OSET-SEC
             OMITTED
         END-CALL
        ADD OSET-SEC TO GMT-FLOT
     END-IF
```

Format the date according to the passed picture string.

CALL 'CEEDATM' USING

GMT-FLOT DT-PIC-STRN FMT-DT-TM OMITTED END-CALL

MOVE 0 TO RETURN-CODE GOBACK.