

FOCUS Version 7.0
 4/16/99

TM7964

Reading the Integral PAR File

The PAR file is the auditing record repository for the Integral Human Resource Application. A FOCUS Master File has been written to read generic PAR file records. Your system may be configured to write data with dissimilar record layouts to the file. However, record layouts that include unsigned packed data can cause problems. FOCUS requires the hexadecimal value X 'C' (for positive values) or X 'D' (for negative values) in the sign bits of the packed data. When the correct sign value is not present, FOCUS yields the following diagnostic messages:

(FOC200) INTERRUPT. DATA EXCEPTION

This error is generally caused by either bad data or an incorrect ACTUAL field format in the Master File Description of an external file (often a packed field). More than ten of these errors in one request may result in an exit from FOCUS.

(FOC1130) FORMAT CONVERSION ERROR FIELD/KEY %1%2%3%4

An error occurred attempting to convert the specified field from its ACTUAL to USAGE format. Either the ACTUAL format is described incorrectly or the data may be invalid. Check the MFD.

Sample Master File

The following Master File illustrates the problem. Subsequent sections provide a workaround. The Master File shows the first 7 fields in the PAR file and a packed field at column 1100:

```

$$$          FOCUSID=PAR          WRITTEN 07/15/95 RELEASE 09.05.0 HRMS.
$*****
$*  FILE NAME:    PAYROLL AUDIT RECORD (PAR)          *
$*  COMMENTS:   THIS IS THE DEFINITION OF THE PAYROLL AUDIT RECORD AND*
$*              PAYROLL HISTORY DATA BASE.  NOTE THAT FIELDS THAT ARE *
$*              NOT UNIQUE TO THE PAR (E.G. NAME) ARE PREFIXED BY      *
$*              'PAR_'.          *
$*****
FILE=PAR          ,SUFFIX=FIX          , $
SEGNAME=ROOT     ,SEGTYPE=S0          , $
GROUP=PAR_ORG_18 ,          ,USAGE=A18 ,ACTUAL=A18 , $
FIELD=PAR_KEYFILL1 ,          ,USAGE=A3  ,ACTUAL=A3  , $
FIELD=PAR_ORGID  ,ALIAS=ORGID  ,USAGE=A13 ,ACTUAL=A13 , TITLE='ORGANIZATION' , $
FIELD=PAR_KEYFILL2 ,          ,USAGE=A2  ,ACTUAL=A2  , $
FIELD=PAR_EMPLID,ALIAS=PAR_ID  ,USAGE=A9  ,ACTUAL=A9  , TITLE='EMPLOYEE, ID NO' , $
FIELD=PAY_END_DATE,ALIAS=PAYEND ,USAGE=YMD ,ACTUAL=A6  , TITLE='PAY,END,DATE' , $
FIELD=PAY_SCHED ,ALIAS=PAYSCHE ,USAGE=A3  ,ACTUAL=A3  , TITLE='PAY,SCHEDULE' , $
FIELD=PAY_CYCLE ,ALIAS=PAYCYCLE ,USAGE=A2  ,ACTUAL=A2  , $
.
.
.
    
```

Column 1100 :

```

FIELD=PACK_FIELD ,ALIAS=PF          ,USAGE=P2  ,ACTUAL=P4          , $
    
```

Sample Data

Sample Data

The following illustrates two different types of records stored in the PAR file. The Master File shown previously is only valid for records 1, 4, 5, and 7 in this example. FOCUS cannot read the other records (those with zero in the PAR_ORG field) because Column 1100 contains unsigned packed data:

		Hexadecimal representation of <i>Column 1100</i> in data file
123857604856487305968374950698045029975076854734	...	123C
000000000	12	345
000000000	14	675
840987509850984039854098540948121029914952109425	...	123C
987598763876459872347893291874901309919837493738	...	123C
000000000	14	034
786749439874239784231941798437904089973651782929	...	123C

FOCUS DBA screening can filter out the records that contain unsigned packed data so that you view only the desired records and avoid the FOC200 and FOC1130 error messages.

DBA Screening Attributes

The following example shows DBA attributes you can add to the end of the FOCUS Master File in order to screen out the problem records. After DBA is added to the file, a TABLE request against the data screens out records where the field PAR_ORG is equal to 00000000. For a more detailed description of FOCUS DBA, refer to your FOCUS documentation.

Add the following attributes after the last field declaration in the Master File:

```
END
DBA=DBA,$
USER= , ACCESS=R,RESTRICT=VALUE,NAME=ROOT,VALUE=PAR_ORG EQ '00000000', $
```