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SYSTEM 80

OS/3 RELEASE 8.0 COMPATIBILITY

ABSTRACT

This document alerts Field Marketing SAs to areas where action may be required for System 80 users migrating to Release 8.0 from Release 7.1 or for new installations using Release 8.0.

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INTRODUCTION

Compatibility considerations for System 80 users who plan to install OS/3 Release 8.0 are briefly summarized below by software component. This document is intended only to alert Field Marketing to those areas that may require action when Release 8.0 is to be installed.

Users should consult the Release 8.0 System Release Description and other release related documents, as well as the current version of the appropriate User Guide for complete information about the new features of Release 8.0 that are highlighted below.

- SFS**
- Screen formats that were created under previous releases should be processed by the SFCVR run stream supplied as part of SCS software. The old formats will still run, but they do not take advantage of the increased speed and smaller dynamic memory requirements of the Release 8.0 formats. Users should make backup copies of their R7.1 format libraries prior to conversion.
 - Screens containing bidirectional, must-fill fields will not work the same as with Release 7.1. See below.
 - If operator pressed XMIT with cursor positioned in middle of screen containing bidirectional fields, for those bidirectional fields beyond the cursor, the following is returned to the user program:

R8.0 - value put on the screen by program. This is referred to in the R8.0 SRD as the "full screen read", which in fact appends the original data beyond the cursor to the data entered on the workstation from the start of text through the position of the cursor when transmit was pressed. If transmit was pressed with the cursor in the middle of a field, the field will contain the data keyed into the field from its beginning through the cursor position and will contain the original data displayed following the cursor.

R7.1 - default constants for each bidirectional field depending on its attributes
- ICAM**
- TRACEMAX, TRACEMIN, TRACEDEV, and , TOPPRI options removed from FEATURES keyword. Replaced by ICAM Trace Facility (ITF).
 - LPORT was Remote = (ID), now Remote = ID, no parentheses.
 - SUPERVISOR: COMM=1 (number of SLCA ports), now first positional parameter. Formerly COMM =,1 REMWORKSTATION, AMOUNT and SCREMEM needed for UTS20, 40 gened as remote. SCREMEM=2 for UTS40, and SCREMEM=1 for UTS20.
- COBL74**
- Minimum main storage required to compile is now X"E000" (57344 decimal), was X"D000".
 - Write imperative (Print) line-advance field must not be signed.

I/S

- I/S REMOTE START console command no longer supported. New module now called by ICAM to do this. The IS LOCAP and NETWORK names used in SYSGEN must agree with the names used in the ICAMGEN, in order to use Interactive Services at remote workstations.

IMS

- IMS JPROC and startup JCL requires MIRAM "STATFILE" for ZSTAT statistical reporting transaction, for single thread and multi-thread.
- DUPKEY not permitted on primary key. Affects CONFIG and files loaded with DUP.
- PUT function in action programs permits only two parameters for indexed files: file-name and record-area. Use of key parameter now gives 0301 status in Program Interface Block (PIB).
- TIMEOUTS parameter ACTION = 180 minimum. User Guide specifies 60.
- For Multi-thread, subprograms must be declared as serial reuseable (TYPE=SER).
- SADD parameters must be changed to EXCR for Multi-Thread.

ESCORT

- In the Change Program mode, erase to end of line and transmit without moving cursor will not remove the erased data. Must also move cursor past end of the erased data before transmit.
- \$Y\$CAT should be saved prior to upgrade to R8.0 to avoid re-cataloging.
- \$Y\$FMT should be saved prior to upgrade to R8.0 to preserve user-created screen formats and FORMS.

SYSDUMP

- Tapes and diskettes to be used for SAVE/RESTORE that were initialized under previous releases of OS/3 must be reprep'd under R8.0.

ONUERL

- At Modify Options prompt, enter ? to print out detailed operating instructions describing new features.

MEMORY SIZE

- Users should expect size increases for Supervisor, ICAM, IMS, and EDT due to R8.0 enhancements.
- Minimum viable System Main Storage size required for R8.0 is 524K bytes. New functionality provided in R8.0 has resulted in increased memory size such that the IVPs as well as many user programs will no longer execute on 262K systems. The next memory size increment (an additional 262K) provides the relatively small amount of additional memory required to execute the IVPs, while providing substantial main storage for user programs.

DMS - Startup syntax has changed. See UP-8272 DMS Support functions.

APPLICATIONS - Refer to UNIS 80 Questions and Answers Number 5, September, 1982, Question 29. See also OS/3 Release 8.0 with ADC Application Products memo, 11/15/82.