

VTAM Revision E
Release Bulletin
92W9905-007D

I. INTRODUCTION

VTAM Release E replaces all previous releases of VTAM. Releases C and D have been bypassed in order to coincide with the VORTEX/VORTEX II releases. This release bulletin describes the major changes and corrections to VTAM that are included with this release. This bulletin serves as a supplement to the VORTEX and VORTEX II Installation Manual (see supporting documentation below) and it is suggested that it be placed with that manual for future references.

II. SUPPORTING DOCUMENTATION

1. VTAM Reference Manual with addendum I.
(98A9952-221)
2. VTAM Overview and External
(89A02040B)
3. VORTEX/VTAM Internal
(89A0272C)
4. VORTEX II/VTAM Internal Supplement
(89A0312A)
5. VORTEX Installation Manual
(98A9952-250)

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FBI 573
SUPPORT 575

D... 551
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III. MAJOR REVISION CHANGES

VTAM Modules with VORTEX/VORTEX II.

1. All VTAM modules are included in the VORTEX or VORTEX II'S GL.
2. The SGL is set up to support 1 to 4 DCM's without user modifications.
3. The table module CC\$TLB is dynamically created by SGEN2 .

4. The DCM LCB word address is defined using the SYSGEN DEF directive (see VORTEX Manual Chapter 15).
5. SYSGEN will delete VTAM modules if a MX or TC device is not included in the system via an EQP directive. If only an MX device is specified then all TC related modules will be deleted.

IV. SMR CORRECTIONS

The following SMR's have been corrected with the E release of VTAM.

- | | |
|-----------|--|
| SMR - 686 | Corrects reporting of a format error when using Bi Sync. |
| SMR - 684 | Correct interrupt service problem when two requests are made at the 50K baud rate. |
| SMR - 689 | Corrects loss of final two characters when using 5305 line adapter. |
| SMR - 693 | Corrects problem when using two DCM's in buffer chain mode. |

VORTEX/VTAM SGL FORMAT

The E release VORTEX SGL contains all the necessary VTAM modules. Refer to the VORTEX release bulletin for file locations and names. Note that the two source modules, CC\$TLB and CTMXOA are not supplied, as previously, since they are handled by SYSGEN.

SGL USAGE

1. System Generation

A VTAM System generation is basically the same as for a non-VTAM system (see the VORTEX release bulletin) with the following additions (see addendum 1 to VTAM manual):

1. The DEF directive is used to define the LCB address for each DCM. (Lack of this directive will cause an SG45).
2. No additional object modules are needed if the system contains no more than 4 DCM's.

2. Object Module Job Streams

See the VORTEX release bulletin.

3. VTAM Ancillary Programs

MT and Card Media --

The VTAM ancillary programs are the 14th through 28th files of the SGL media. To execute these job streams, position to the 14th file and assign SI to the SGL media. There are SEVEN job streams each completed with a /FINI directive. Comment cards are used to explain the function of each job stream. After each /FINI, except the final one, assign SI to the SGL media to execute the next job stream.

NOTE: These job streams must be executed after the math OM streams are executed.

Disc SGL Media --

The VTAM ancillary programs consist of only object modules on the disc SGL. The directives for the job stream must be entered by the user. The object modules are located on the sixth partition of the SGL. In the following list of directives which must be entered the letters "C" and "U" in the BI assignment refer to the controller and unit number. IE, for a dual platter disc the assignment might be /ASSIGN, BI, D01B. The comment directives need not be entered and are there only to provide an explanation of each job stream group.

Job Stream Directives

```

/C, FMAIN IS CALLED TO CREATE THE FILES VTSDPL AND VTSDPT, WHICH
/C, ARE USED BY NOM TO STORE THE TERMINAL AND LINE PROTOTYPE TABLES
/C, IF THE FILES ARE ALREADY PRESENT IN THE FOREGROUND LIBRARY
/C, FMAIN WILL ISSUE A **PM02 DIAGNOSTIC WHICH THE OPERATOR SHOULD
/C, IGNORE BY TYPING THE LETTER 'C' ON THE 'SO' LOGICAL UNIT.
/C, SEE THE VORTEX REFERENCE MANUAL FOR A DETAILED DESCRIPTION
/C, OF FMAIN OPERATION.

```



```
/FMAIN
CREATE,FL,F,VTSDFL,120,11
CREATE,FL,F,VTSDFT,120,4
/ASSIGN,BI,D[CU]F
/LMGEN
TIUB,NOM,1,3
LD,BI,,NOM
LIB
OV,CLEAR
LD,BI,,CLEAR
LIB
OV,PARSE
LD,BI,,PARSE
LIB
OV,REPORT
LD,BI,,REPORT
LIB
END,BL,E
```

/C, THIS JOB ENTERS THE EXTERNALS 'VTSLTT' AND 'TCSTCD' INTO OM.

```
/ASSIGN,BI,D[CU]F
/PFILE,BI,,VTSLTT
/FMAIN
INPUT,BI,,VSLTT
ADD,OM,D
```

/C, LOAD THE NETWORK CONTROL MODULE ON TO THE FOREGROUND LIBRARY.

```
/ASSIGN,BI,D[CU]F
/LMGEN
TIUB,NCM,2,0
LD,BI,,NCM
LIB
END,FL,F
```

/C, LOAD THE LINE OPEN/CLOSE TASK ON TO THE FOREGROUND LIBRARY.

```
/ASSIGN,BI,D[CU]F
/LMGEN
TIUB,VTSOCL,2,0
LD,BI,,VTSOCL
LIB
END,FL,F
```

/C, LOAD THE JCP /OPEN AND /CLOSE DIRECTIVE PROCESSORS ON TO
/C, THE BACKGROUND LIBRARY.

```
/ASSIGN,BI,D[CU]F
/LMGEN
TIUB,OPEN,1,0
LD,BI,,OPEN
LIB
END,BL,E
TIUB,CLOSE,1,0
LD,BI,,CLOSE
LIB
END,BL,E
```

A

```
/C, LOAD THE FORTRAN OBJECT TIME MODULES TO OPEN AND CLOSE  
/C, TERMINALS AND LINES ON TO THE OM LIBRARY.
```

```
/ASSIGN,BI,D[CU]F  
/PFILE,BI,,VTSOPN  
/PMAIN  
INPUT,BI,,VTSOPN  
ADU,OM,D
```

```
/C,*****  
/C, THE FOLLOWING JOB SHOULD NOT BE RUN FOR VTAM SYSTEMS WITHOUT A TCM.  
/C, IF THIS IS THE CASE THEN THIS COMPLETES THE VTAM JOB STREAM  
/C,*****  
/C, LOAD THE TERMINAL OPEN/CLOSE TASK AND OVERLAYS ON TO THE  
/C, FOREGROUND LIBRARY
```

```
/ASSIGN,BI,D[CU]F  
/LMGEN  
TIUB,VTSOCT,2,2  
LD,BI,,VTSOCT  
LIB  
OV,TTYTCM  
LD,BI,,TTYTCM  
LIB  
OV,DUMMY  
LD,BI,,DUMMY  
LIB  
END,FL,F  
/C, THIS COMPLETES THE VTAM JOB STREAM
```

