DNOS
DNCS/SNA Batch
Object Installation

Part No. 2239997-9701 **
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The computers, as well as the programs that TI has created to use with them, are tools that can help people better manage the information used in their business; but tools—including TI computers—cannot replace sound judgment nor make the manager's business decisions.

Consequently, TI cannot warrant that its systems are suitable for any specific customer application. The manager must rely on judgment of what is best for his or her business.

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READ THIS DOCUMENT BEFORE ATTEMPTING TO USE THE OBJECT KIT. THIS DOCUMENT DESCRIBES RELEASE 1.0.0 OF THE DNCS/SNA BATCH LOGICAL UNIT EMULATOR OBJECT INSTALLATION MEDIA, PART NUMBER 2539081-1601 (DISK OR TAPE) OR 2539081-1602 (DISKETTE). REFER TO THE RELEASE INFORMATION, PART NUMBER 2539080-9901, FOR ADDITIONAL INFORMATION.

TEXAS INSTRUMENTS ASSUMES NO RESPONSIBILITY FOR MODIFICATIONS MADE TO THIS OBJECT KIT.

Section 1

Introduction

1.1 GENERAL INFORMATION

This document describes the installation of the DNCS/SNA Batch Logical Unit (SBLU) Emulator object under DNOS.

Make a backup copy of the released object before executing the installation procedures. For copy procedures, refer to the DNOS Operations Guide, part number 2270502-9701.

Consult the DNOS DNCS/SNA Batch Release Information, release 1.0.0, part number 2539080-9901, for additional information concerning the current release.

This installation document presents many System Command Interpreter (SCI) commands in batch format. You can execute these commands either by entering the entire command as shown or by entering only the command keyword and responding to the interactive prompts from SCI. For a discussion of the batch command format, refer to the DNOS System Command Interpreter (SCI) Reference Manual, part number 2270503-9701.

1.2 MEDIA DEFINITION

Product shipments are made in the following formats:

* Disk -- A DS10, DS50, DS80, DS200, DS300, or CD1400 disk containing the object
* Diskette -- A double-sided, double-density (DSDD) diskette containing the object
* Magnetic Tape -- A cartridge tape or an 800 or 1600 bit-per-inch (bpi) magnetic tape containing the object
* Add-On -- A disk containing the object and one or more other products

1.3 INSTALLATION OVERVIEW

The installation process described in this document provides the steps required to prepare the DNCS/SNA Batch Emulator object for installation.

1.4 SYSTEM REQUIREMENTS

To perform these installation procedures successfully, you must have a DNOS operating system (Release 1.2.1 or later) running on a Business System 300, 600, or 800 computer with at least 512K bytes of memory.

In addition, you must have completed DNCS system generation, with SBLU emulator support specified, and object installation for DNCS (Release 1.3.0 or later) on your system. Consult the DNOS DNCS/SNA Batch User's Guide, release 1.0.0, part number 2239996-9701, for information concerning definition of SBLU emulator support during DNCS system generation. Consult the DNOS DNCS System Generation Reference Manual, release 1.3.0, part number 2302648-9701*B, for information concerning DNCS 1.3.0 system generation. Consult the DNOS DNCS Nucleus Object Installation, release 1.3.0, part number 2302660-9701*C, for information concerning DNCS 1.3.0 installation.

Section 2

Preparing for Installation

2.1 GENERAL

The DNCS/SNA Batch Emulator object is shipped on various media and must be prepared prior to installation. The media must be restored to disk (if supplied on magnetic tape), copied to disk (if supplied on diskette), or used directly (if supplied on disk). This section describes how to prepare each type of media.

NOTE

The procedures outlined in this section require that the DNCS parts volume <dncsvolume> be installed as described in Section 2 of the DNOS DNCS Nucleus Object Installation.

2.2 DOUBLE-SIDED, DOUBLE-DENSITY (DSDD) DISKETTE FORMAT

When you receive the object on DSDD diskette, perform the following steps:

1. Enable the write protection for the DNCS/SNA Batch Emulator object diskette DCBLU by carefully removing the silver sticker from the diskette.

2. Load the DCBLU diskette into an available drive and make it ready.

3. Install the diskette volume by using the Install Volume (IV) command as follows:

   IV U=<dsxx>, V=DCBLU

   where:

   <dsxx> is the name of the drive where the diskette is loaded.

4. Copy the contents of diskette DCBLU to the DNCS parts volume by using the Copy Directory (CD) command as follows:

   CD I=DCBLU, O=<dncsvolume>.DCBLU, L=.LISTING

   where:

   <dncsvolume> is the name of the DNCS parts volume.

   The file .LISTING contains a listing of the directory copied from diskette. Check this file for errors by using the Show File (SF) or Print File (PF) command.

5. Unload the diskette volume by using the Unload Volume (UV) command as follows:

   UV V=DCBLU

6. Remove diskette DCBLU from the drive.

7. Assign the synonym DCBLU to the DNCS/SNA Batch Emulator object directory by using the Assign Synonym (AS) command as follows:

   AS S=DCBLU, V=<dncsvolume>.DCBLU

   where:

   <dncsvolume> is the name of the DNCS parts volume.

8. Proceed to Section 3 to continue the installation.

2.3 DISK FORMAT

When you receive the object on disk, perform the following steps:

1. Load the DNCS/SNA Batch Emulator object disk DCBLU in an available drive and make it ready. Enable the disk write protection.

2. Install the disk volume by using the Install Volume (IV) command as follows:

   IV U=<dsxx>, V=DCBLU

   where:

   <dsxx> is the name of the drive where the disk is loaded.

3. Copy the contents of disk DCBLU to the DNCS parts volume by using the Copy Directory (CD) command as follows:

   CD I=DCBLU, O=<dncsvolume>.DCBLU, L=.LISTING

   where:

   <dncsvolume> is the name of the DNCS parts volume.

   The file .LISTING contains a listing of the directory copied from disk. Check this file for errors by using the Show File (SF) or Print File (PF) command.

4. Unload the disk volume by using the Unload Volume (UV) command as follows:

   UV V=DCBLU

5. Remove disk DCBLU from the drive.

6. Assign the synonym DCBLU to the DNCS/SNA Batch Emulator object directory by using the Assign Synonym (AS) command as follows:

   AS S=DCBLU, V=<dncsvolume>.DCBLU

   where:

   <dncsvolume> is the name of the DNCS parts volume.

7. Proceed to Section 3 to continue the installation.

2.4 MAGNETIC TAPE FORMAT

When you receive the object on magnetic tape, copy it to a disk as follows:

1. Create the DNCS/SNA Batch Emulator object directory on the DNCS parts volume by using the Create Directory File (CFDIR) command as follows:

   CFDIR P=<dncsvolume>.DCBLU, M=50

   where:

   <dncsvolume> is the name of the DNCS parts volume.

2. Assign the synonym DCBLU to the DNCS/SNA Batch Emulator object directory by using the Assign Synonym (AS) command as follows:

   AS S=DCBLU, V=<dncsvolume>.DCBLU

   where:

   <dncsvolume> is the name of the DNCS parts volume.

3. Enable the magnetic tape write protection. Then mount the tape on an available tape drive and make it ready.

4. Copy the contents of the tape to the DNCS/SNA Batch Emulator object directory by using the Restore Directory (RD) command as follows:

   RD S=<mtxx>, D=DCBLU, L=.LISTING

   where:

   <mtxx> is the name of the drive where the tape is mounted.

   The file .LISTING contains a listing of the directory restored from magnetic tape. Check this file for errors by using the Show File (SF) or Print File (PF) command.

5. Rewind and unload the tape.

6. Proceed to Section 3 to continue the installation.

2.5 ADD-ON FORMAT

When you receive the object as an add-on, perform the steps in either paragraph 2.5.1, 2.5.2, or 2.5.3, depending on whether the add-on is received on the DNOS system disk, on a secondary disk with the DNCS nucleus, or on a secondary disk without the DNCS nucleus.

2.5.1 DNOS System Disk Add-On

If you receive the DNCS/SNA Batch Emulator object add-on on the DNOS system disk and the system is running under that disk, perform the following steps:

1. Assign the synonym DCBLU to the DNCS/SNA Batch Emulator object directory by using the Assign Synonym (AS) command as follows:

   ```
   AS S=DCBLU, V=.DCBLU
   ```

2. Proceed to Section 3 to continue the installation.

2.5.2 Secondary Disk Add-On with DNCS Nucleus

If you receive the DNCS/SNA Batch Emulator object add-on on a secondary disk that includes the DNCS nucleus object, perform the following steps:

1. Assign the synonym DCBLU to the DNCS/SNA Batch Emulator object directory by using the Assign Synonym (AS) command as follows:

   ```
   AS S=DCBLU, V=<dncsvolume>.DCBLU
   ```

   where:

   <dncsvolume> is the name of the DNCS parts volume.

2. Proceed to Section 3 to continue the installation.

2.5.3 Secondary Disk Add-On Without DNCS Nucleus

If you receive the DNCS/SNA Batch Emulator object add-on on a secondary disk that does not include the DNCS nucleus object, perform the following steps:

1. Load the disk in an available drive and make it ready. Disable the disk write protection.

2. Install the disk volume by using the Install Volume (IV) command as follows:

   ```
   IV U=<dsxx>, V=<addvolume>
   ```

   where:

   <dsxx> is the name of the drive where the disk is loaded.

   <addvolume> is the volume name of the add-on disk.

3. Copy the DNCS/SNA Batch Emulator object to the DNCS parts volume by using the Copy Directory (CD) command as follows:

   ```
   CD I=<addvolume>.DCBLU, O=<dncsvolume>.DCBLU,
      L=.LISTING
   ```

   where:

   <addvolume> is the volume name of the add-on disk.

   <dncsvolume> is the name of the DNCS parts volume.

   The file .LISTING contains a listing of the directory copied from disk. Check this file for errors by using the Show File (SF) or Print File (PF) command.

4. Unload the add-on disk volume by using the Unload Volume (UV) command as follows:

   ```
   UV V=<addvolume>
   ```

   where:

   <addvolume> is the volume name of the add-on disk.

5. Remove the add-on disk from the drive.

6. Assign the synonym DCBLU to the DNCS/SNA Batch Emulator object directory by using the Assign Synonym (AS) command as follows:

   AS S=DCBLU, V=<dncsvolume>.DCBLU

   where:

   <dncsvolume> is the name of the DNCS parts volume.

7. Proceed to Section 3 to continue the installation.

Section 3

Installing SBLU

3.1 GENERAL

The procedures in this section describe how to install, patch, and execute the SBLU emulator.

3.2 INSTALLING SBLU

Perform the following steps to install the SBLU emulator:

1. Verify that the SBLU product media synonym DCBLU exists as a result of media preparation explained in Section 2. The value of this synonym is the pathname of the directory containing the SBLU emulator.

2. Enter the following command to access the SBLU object installation SCI procedures:

```
. USE DCBLU. RELEASE. PROC, . S$CMDS
```

3. Install the SBLU emulator by using the Install SBLU (INSBLU) command as follows:

```
[]INSBLU

 INSTALL DNCS SBLU EMULATOR
       DNCS SBLU DIRECTORY: DCBLU
        DNOS SYSTEM VOLUME:
   DNCS COMMAND DIRECTORY:
```

DNCS SBLU DIRECTORY
Enter the directory pathname of the DNCS SBLU object directory. The proper response is DCBLU.

DNOS SYSTEM VOLUME
Enter the volume name of the DNOS system disk.

DNCS COMMAND DIRECTORY
Enter the directory pathname of the DNCS SCI command directory.

The following messages appear after you enter INSBLU. Respond to each message by pressing the RETURN key.

```
BATCH LISTING FILE WILL BE...:

'<dcblu>.BL.INSBLU'
```

where:

<dcblu> is the value entered for the DNCS SBLU DIRECTORY prompt (synonym expanded).

4. Wait for INSBLU to complete by using the Wait for Background Task to Complete (WAIT) command as follows:

```
[]WAIT
```

5. When INSBLU completes, the following message appears:

```
x ERRORS ON DNCS SBLU INSTALL STREAM
```

If the number of errors reported is nonzero, examine the batch file listing <dcblu>.BL.INSBLU to determine the cause of the error(s). Correct the error(s) and reenter INSBLU.

3.3 PATCHING SBLU

Perform the following steps to patch SBLU:

1. Patch the SBLU emulator by using the Patch SBLU (PATBLU) command as follows:

```
[]PATBLU

 PATCH DNCS SBLU EMULATOR
       DNCS SBLU DIRECTORY: DCBLU
        DNOS SYSTEM VOLUME:
    DNCS COMMAND DIRECTORY:
```

DNCS SBLU DIRECTORY
Enter the directory pathname of the DNCS SBLU object directory. The proper response is DCBLU.

DNOS SYSTEM VOLUME
Enter the volume name of the DNOS system disk.

DNCS COMMAND DIRECTORY
Enter the directory pathname of the DNCS SCI command directory.

The following messages appear after you enter INSBLU. Respond to each message by pressing the RETURN key.

BATCH LISTING FILE WILL BE...:

'<dcblu>.PATCH.LSTBLU'

where:

<dcblu> is the value entered for the DNCS SBLU DIRECTORY prompt (synonym expanded).

2. Wait for PATBLU to complete by using the Wait for Background Task to Complete (WAIT) command as follows:

   []WAIT

3. When PATBLU completes, the following message appears:

   x ERRORS ON DNCS SBLU PATCH STREAM

   If the number of errors reported is nonzero, examine the batch file listing <dcblu>.PATCH.LSTBLU to determine the cause of the error(s). Correct the error(s) and reenter PATBLU.

3.4 EXECUTING SBLU

The SBLU job may be started via the Execute SBLU (XBLU) command and stopped via the Terminate SBLU (TBLU) command. For a more detailed discussion of the use of XBLU, TBLU, and other SBLU SCI commands, refer to the DNOS DNCS/SNA Batch User's Guide, release 1.0.0, part number 2239996-9701.