

NOS 2.8.5 LEVEL 851
SOFTWARE
RELEASE BULLETIN

SMD134844

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Chapter 1

SRB Introduction

This document is the NOS 2.8.5 L851 Software Release Bulletin (SRB). It is to be used in conjunction with the NOS Installation Handbook (IHB) for installing NOS and its products. Control Data Systems, Inc. recommends that the SRB be read in its entirety prior to software installation. You should also verify that all of your hardware is at the FCA levels indicated in the Configuration Management section of the Software Availability Bulletin (SAB).

The NOS 2.8.5 L851 system described in this document is being released at the following levels:

Operating System	Level 851
Network Host Products	Level 851
Common Product Set	Level 851
CDCNET	Level 847

Audience

The SRB is written primarily for the site analyst. It contains notes and cautions about installation and usage of NOS 2.8.5 L851. Chapter 4 contains information intended for a system/operations administrator.

Central Software Support Hotline

Central Software Support (CSS) maintains a hotline to assist you in the use of our products. If you need help not provided by the documentation or find that a product does not perform as described, phone one of the following numbers. A support analyst will work with you.

From the USA and Canada: (800) 345-6628

From other countries: (612) 482-3434

SOLVER Access Phone Numbers

The following telephone numbers are used to access SOLVER:

1200/2400 baud V.22 : 612-482-6000

9600 baud V.32 : 612-482-4000

Chapter 2

Installation

This chapter emphasizes changes in the operating system and its products. These changes may be of particular interest to the person performing the system installation.

Notes and Cautions

This section highlights changes which should be kept in mind when installing NOS 2.8.5 L851.

All Local PP Programs Must Be Reassembled

Changes to PP common decks and NOSTEXT at NOS 2.8.5 L851 require that all sites reassemble any local PP programs.

CIP L847 Required for All CYBER 180-Class Mainframes

All CYBER 180-class mainframes require CIP L847 to deadstart NOS 2.8.5 L851. For further information regarding CIP, refer to the CIP L847 SRB.

Changes to Operating System Decks

There are no resequenced decks at NOS 2.8.5 L851.

There are no decks deleted at NOS 2.8.5 L851.

PSR Summary Report

A summary report of all the NOS PSR modsets in NOS 2.8.5 L851 is available on the permanent file tapes. The report is loaded to the installation user name during the SYSGEN procedure call SYSGEN(SOURCE) and has a permanent file name of PSRRPT.

Dual State Support

NOS 2.8.5 L851 includes support of the Dual State product. A build procedure in DECKOPL, a source library, and permanent files are released with this product. Dual state binaries for NOS/VE 1.8.2 L847 are contained on the NOS deadstart tape for dual state customers. The permanent file tapes contain binaries for NOS/VE 1.8.2 L847 compiled to run on NOS 2.8.2 L826, NOS 2.8.3 L840 NOS 2.8.4 L847, and NOS 2.8.5 L851.

NOTE

If your system is running NOS/VE 1.8.2 L847 or any of the NOS/VE 1.8.2 L847 BCUs, you DO NOT have to perform any special instructions in chapter 7 of the NOS Installation Handbook unless you wish to alter the dual state source library. Your NOS order already contains binaries that match the NOS/VE 1.8.2 L847 system on the deadstart tape.

For more information concerning dual state and its build procedure, consult the NOS Version 2 Installation handbook (60459320).

Installing Your System Without Degrading a CDCNET BCU

The NOS 2.8.5 L851 release is built with CDCNET at version D544. This is the version released at NOS 2.8.4 L847 - NOS/VE 1.8.2 L847. If you have installed additional L847 CDCNET BCUs, that is, your system is running a version of CDCNET greater than D544, you need to modify your upgrade installation to avoid installing D544 over your current version.

To avoid overwriting your current version of CDCNET, you should NOT perform any special instructions in the CDCNET section of the Special Product Installation chapter. (You are referred to chapter 7 to perform special CDCNET instructions during step 3 and step 7 of the Upgrade Installation chapter.) You must, however, follow the instructions in step 5 of the Upgrade Installation chapter of the NOS Installation Handbook (60459320), which instruct you to delete PFGDCNS and PFGCHA2 from your RECLAIM database.

Chapter 3

Analysis

This chapter emphasizes changes in the operating system, which may be of particular interest to the site analyst.

Enhancements

This section highlights new capabilities in NOS 2.8.5 L851.

Support for CYBER Disk Storage Subsystem II (CDSS II)

NOS 2.8.5 L851 adds support for the CDSS II as a replacement for the older technology 7155/885 disk system. The CDSS II is a high-capacity, high-performance, rotating mass storage subsystem. Each cabinet can contain up to 12 independent spindles and one or two controllers with one or two channel access to each controller, allowing up to four independent channels. Each spindle has a capacity of approximately 2.01 gigabytes, for a total capacity of 24.12 gigabytes per cabinet.

CDSS II drives are configured in NOS EQP decks with the mnemonic "DR". They can replace 885 "DQ" devices in a NOS configuration, with the added advantages of a much higher capacity and greater performance and reliability. As with 885s, CDSS II drives can be used as CIP/deadstart devices.

Chapter 4

Configuration Management

Notes and Cautions

This section highlights changes in configuration management for NOS 2.8.5 L851.

Certified Components and Levels

The following components are certified at the indicated levels:

Hardware Component	Release Level	CIP Level
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Model 810 Microcode	M14AA16	L847
Model 815 Microcode	M11AA16	L847
Model 825 Microcode	M12AA16	L847
Model 830 Microcode	M13AA16	L847
Model 835 Microcode	M20AA17	L847
Model 840 Microcode	M340x09	L847
Model 845 Microcode	M310x11	L847
Model 850 Microcode	M330x12	L847
Model 855 Microcode	M300x10	L847
Model 860 Microcode	M320x11	L847
Model 990 Microcode	M40Ax22	L847
Model 990 Microcode	M41Ax22	L847
Model 994 Microcode	M44Ax22	L847
Model 96x Microcode	M3A0x09	L847
800 Series Environment Interface (EI)	Level 28	L847
DFT	V10	L847
SCI	V09	L847

NOTE

Microcode for model 870 is the same as that for the 860, and microcode for model 995 is the same as that for the 990.

The NOS 2.8.5 L851 system is supported in environments containing the following peripheral components:

Hardware Component -----	Release Level -----
7154/855 (BCF-Full Track)	MA401-D08*
FSC Disk Firmware (ADP)	MA454-D04*
7255-01/834/835 (ISD I/II)	MA462-D06*
7165/895 (MA464)	MA464-D10*
5870 (CCC5870)	MA466-D04*
7054/844 (BCS-Half Track)	MA710-D13*
7155/885/844-4X (FMD-HT/FT)	MA721-D12*
7155-401/885-42/885-1X/844-4X (PHD-HT/FT)	MA722-D03*
FSC Tape	MB401-D04*
7021/66X (FIRM66X)	MB434-D14*
7221/639 (CW63X)	MB465-D04*
7990 (CCC7990)	MB466-D03*
698-XX CMTS	MB467-D02*
Cartridge Tape PMC	MB468-D04*
380-170 (NAD)	NOS LVL-06
CM1 Controlware (CMD)	MH422-D07*
CM2 Controlware (CM2)	MH424-D03*
9853 (XMD) Controlware	MH426-D09C*
5830 (DAS) Controlware	MH427-D16*
CYBER Initialization Package (CIP)	CIP L847

*Contained on CIP 847