

Release Notes
NEAX[®] 2000 IPS

Business / CCIS

3000 Series Software R4.2 Release

1. Overview

3000 Series R4.2 Software is being introduced with the NEAX®2000 IPS. 3000 Series software provides the same feature set available with 2300 Series R4.1 Software. 2300 Series software was the last release of software for the NEAX®2000 IVS² platform. The following matrix outlines some of the initial differences between IP features/capacities and TDM feature/capacities. The matrix does not contain all the features & capacities, only the ones that are different. Features and capacities not listed in the matrix are the same for both NEAX 2000 IVS² & NEAX 2000 IPS (TDM & IP).

2. Feature/Capacity Matrix

FEATURE	System Capacities	IP Capacities	
	NEAX 2000 IVS ² NEAX 2000 IPS	NEAX 2000 IVS ² With IP ELC	NEAX 2000 IPS With IP Peer-to-Peer
Maximum Multiline Stations	512	256	448
Add-On Module	32	N/A	N/A
Analog Port Adapter	Yes	N/A	N/A
Background Music	10 sources	N/A	N/A
Internal Zone Page	8 groups/ 16 stations per group	8 groups/16 stations per group	8 groups/8 stations per group
All Zone Page	Up to 6 groups	Up to 6 groups	N/A
Music On Hold	Internal on CPU or (external up to 10 sources)	Internal on CPU or (external up to 10 sources)	Internal tone source in IP Adapter
Set Relocation Feature	Yes	N/A <small>Note 1</small>	N/A <small>Note 1</small>
DSS/BLF	32	Requires separate DLC connection	Requires separate DLC connection
Dterm Registration Server (DRS)	N/A	Internal on each IP ELC or external server software	Internal on CPU
Dynamic Host Configuration Protocol (DHCP) (external server)	N/A	Static address required for each IP ELC and each IP adapter	CPU static address/ IP adapter dynamic address

Note 1 To relocate Peer to Peer Dterm IP, 1) Log Off, 2) Unplug IP Dterm RJ45 from LAN, 3) Relocate and plug IP Dterm RJ45 to LAN, 4) Log In.

3. IP PAD Connections

IP-PAD's are required for the following connections and conditions:

- Connections between Dterm IP terminals and legacy stations/trunks (digital/analog)
- Connections between Dterm IP terminals and IP trunks (H.323)
- Connections for CCIS networking via IP from/to legacy stations/trunks (digital/analog)
- While Dterm IP terminals are on hold (Consolation Hold, Call Transfer, Music-on-Hold, etc.)
- When any override service is activated (Executive Override, etc.)
- Conference (3/4 party, 6/10 party, 32 meet me) which includes the Dterm IP terminal.

4. New System Packages

Part Number	Description	Comments
150066	48 Port Basic System Package (IPS)	Starting point for TDM systems. Provides software for up to 48 LT Ports and (1) T1/E1; includes (1) PIMMD, (1) Base-C, (1) CP24 (CPU) and (1) MATWorX..
150065	IP Starter 8 Seat System Package (IPS)	Starting Point for IP and IP-TDM mixed systems. Provides software for up to 64 LT Ports, 8 IP stations, (5) T1/E1's, (5) ISDN PRI, (48) ISDN BRI Trunks, (3) Remote PIM's; includes (1) PIMMD, (1) Base-C, (1) CP24 (CPU), (1) M606, (1) PN-32IPLA PAD, (1) 64 Port System Software-3000 Series, (1) Key Keeper FD with 8 Seat License and (1) MATWorX.

5. New Software & Keys

Part Number	Description	Comments
150493	64 Port Sys Software-3000 Series R4.2 (FD)	Used to expand capacities of 150066; Provides up to 64 LT Ports (5) T1/E1's, (5) ISDN PRI, (48) ISDN BRI Trunks, (3) Remote PIM's.
150641	8 Seat License	Provides up to 8 IP Dterm's ^{Note 2}
150642	16 Seat License	Provides up to 16 IP Dterm's
150643	32 Seat License	Provides up to 32IP Dterm's
150644	64 Seat License	Provides up to 64 IP Dterm's
150645	128 Seat License	Provides up to 128 IP Dterm's
150646	256 Seat License	Provides up to 256 IP Dterm's

6. New Hardware

Part Number	Description	Comments
150018	ICS VS PIMMD (UA)	NEAX 2000 IPS PIM; includes front cover
151120	ICS VS BATT-A (UA)	External Battery Module
151142	ICS VS BASE-C (UA)	Base for floor mount; includes Top cover, Power CNT CA-E, AC Cord D-U
151346	IPS FRONT COVER KIT	Front cover; includes cover and cover parts
151347	COVER PARTS ASSEM-A	Left corner triangle name plate, mounts on upper left of front cover
151227	SPN-32IPLA IP PAD	G711 (64Kbps) gateway between IP and TDM (max two cards per FP/eight cards per system. Utilizes 32 LT Time Slots
151226	SPN-16VCT IP PAD	G.729.a (8Kbps)/G.723.1 (5.3, 6.3Kbps) gateway between IP and TDM. Used with 151227 SPN-32IPLA IP PAD; (max two 16VCT per 32IPLA, four per FP/sixteen per system) Includes IP Trunk Bus Cable
151182	IP PAD 16 CHANNEL COMPRESSION KIT	Includes one SPN-32IPLA IP PAD and one SPN-16VCT IP PAD
151183	IP PAD 32 CHANNEL COMPRESSION KIT	Includes one SPN-32IPLA IP PAD and twoSPN-16VCT IP PAD

^{Note 2} Seat license keys are accumulative; i.e., 160 IP stations are required, use one 32 Seat License and one 128 Seat License. (Each license must be loaded into the IPS one at a time, by using larger increments it reduces the installation time)

7. Terminal Equipment (Peer-to-Peer)

Part Number	Description	Comments
590033	DTP-8D-1IP (BK)	8 Button Display Black Terminal with IPW-2U (P-P) (BK) and ACA-U
590034	DTP-16D-1IP (BK)	16 Button Display Black Terminal with IPW-2U (P-P) (BK) and ACA-U
590035	DTP-32D-1IP (BK)	32 Button Display Black Terminal with IPW-2U (P-P) (BK) and ACA-U
750442	IPW-2U (P-P) (BK)	IP Adapter Black for Peer to Peer
770310	ACA-U UNIT	AC Power Transformer for connecting 750442 IPW-2U to local AC power.
590221	SN-1604 POWER HUB 12-PORT	In-line power, eliminates need for 770310 ACA-U; supports 12 users and provides 48-volt DC on unused Ethernet pins 4, 5, 7 and 8

8. New Technical Documentation Note 3


Part Number	Description	Comments
152033	NEAX 2000 IPS SYSTEM MANUAL	Installation manual (installation difference over IVS2 and new commands for IPS)
152034	NEAX 2000 IPS UPGRADE GUIDE	Guide for upgrading NEAX 2000 IVS2 to NEAX 2000 IPS
152035	NEAX 2000 IPS OAI SYS MANUAL	Open Application Interface manual
152036	NEAX 2000 IPS CCIS FEATURE & SPEC	Networking CCIS features
152037	NEAX 2000 IPS ISDN FEATURE & SPEC	ISDN features
152038	NEAX 2000 IPS WCS FEATURE & SPEC	Wireless features
152039	NEAX 2000 IPS BUS/HOTEL/DATA FEAT&SPEC	Business/Hotel features

9. New Sales Support Documentation

Part Number	Description	Comments
152050	NEAX 2000 IPS RFP GUIDE	Request For Proposal Guide
152051	NEAX 2000 IPS CONFIGURATION GUIDE	Configuration Guide
152052	NEAX 2000 IPS GENERAL DESCRIPTION	General Description (capacities, features, etc.)

Note 3 All current NEAX 2000 IVS2 manuals; Feature Programming, Command, Office Data, ISDN/CCIS/WCS System Manuals etc. (2300 Series R4.1) are applicable for NEAX 2000 IPS since 3000 Series R4.2 has the same features as 2300 Series R4.1.

10. Upgrade Matrix

System to be Upgraded 		NEAX 2000 IVS2 (TDM) TO NEAX 2000 IPS (TDM)	NEAX 2000 IVS2 (TDM) TO NEAX 2000 IPS (IP OR IP- TDM MIX)	NEAX 1000 & 2000 IVS (TDM) TO NEAX 2000 IPS (TDM)	NEAX 1000 & 2000 IVS (TDM) TO NEAX 2000 IPS (IP OR IP- TDM MIX)
Upgrade Kits					
Part Number	Description				
150519	IVS2 to IPS TDM UPGRADE KIT	√			
150520	IVS2 TO IPS 16 SEAT IP UPGRADE KIT		√		
TBA	IVS to IPS TDM UPGRADE KIT			Available 2Q02	
TBA	IVS TO IPS IP UPGRADE KIT				Available 2Q02

11. New Upgrade Kits

Part Number	Description	Comments
150519	IVS2 to IPS TDM UPGRADE KIT	Used to upgrade IVS2 TDM system to IPS TDM. Kit includes; (1) CP24 CPU, (1) Front Cover Kit, (1) 64 Port Sys Software-3000 Series, (1) MATWorX Studio
150520	IVS2 TO IPS 16 SEAT IP UPGRADE KIT	Used to upgrade IVS2 TDM system to IPS IP or IP-TDM mixed system. Kit includes; (1) CP24 CPU, (1) M606 , (1) 32IPLA IP PAD, (1) 16VCT IP PAD, (1) Front Cover Kit, (1) 64 Port Sys Software-3000 Series, (1) Key Keeper FD, (1) 16 Seat License, (1) MATWorX Studio