NEC

Release Notes

UNIVERGE NEAX **2000 IPS** *Family of Products*

Business / CCIS / IP / ISDN

3900 Series Software R14 Release

1. Overview

The NEAX 2000 IPS continues to provide new and enhanced features with the release of 3900 series R14 software. R14 software includes the new and enhanced features, such as, Allocation for DID Number for Guest Room Station, Authorization Code /Forced Account Code, Caller ID Call Back, CPN to Network, H/M Front Desk Instrument, and more. All new boards are also RoHS compliance.

2. New and Enhanced Features

2.1 Allocation of DID Number for Guest Room Station

This feature allows incoming calls to a specific DID number to be completed to a specified guest room station through an instruction from the PMS. The DID number assigned to the guest room station must be managed on the PMS side. One DID number can be assigned to one station. If another DID number is assigned to the station, the newly assigned number will be valid.

2.1.1 Benefits

Allows PMS to assign a DID number for guest room station. The guest room station can receive DID calls without operator assistance.

2.1.2 Required Software and Hardware

- 64 PORT SYS SOFTWARE - 3900 SERIES R14
- This feature is applicable for PMS via IP only.

2.2 Authorization Code/Forced Account Code

This enhancement enables a station to originate a trunk call under toll call restriction. After dialing LCR access code and desired number, Special Dial Tone is received instead of Reorder Tone, and the station can dial Authorization Code / Forced Account Code. Prior to 3900 R14, Reorder Tone is received after operating trunk origination (dialing LCR access code and desired number) from a station under toll call restriction, and Authorization Code / Forced Account Code have to be dialed and operating trunk origination is needed again.

2.2.1 Benefits

This enhancement simplifies the operation, because Special Dial Tone instead of Reorder Tone is received and the call is originated when Authorization Code/ Forced Account Code is dialed.

2.2.2 Required Software and Hardware

- 64 PORT SYS SOFTWARE - 3900 SERIES R14

2.3 Caller ID Call Back

The Caller ID Call Back feature is used to improve work efficiency of handling phone calls; there is a requirement to store the incoming call history on Dterm even when an incoming call from trunk to Dterm is forwarded by Call Forwarding-All Calls/Busy Line/No Answer. In addition to the current Caller ID Call Back feature, the incoming call history can be stored when a calling party abandons the call while the call is terminating from a trunk to the Dterm, the incoming call history can be also stored in the following cases.

– When a trunk incoming call terminating Dterm is forwarded by Call Forwarding to other station.
– When a trunk incoming call terminates the busy Dterm. (without Call Forwarding set)
– When a trunk incoming call terminates the Dterm with Don't Disturb set.

When a new call record is generated after the number of stored incoming call histories exceeds the limitation, the oldest record is deleted to store the new record. (This is enabled for the record of incoming call from a trunk, and record of incoming call from a station cannot be stored as previous.) The number of incoming call histories that can be stored per system is expanded from 1024 to 4094.

2.3.1 Benefits

Improves work efficiency of handling phone calls when the user is away from the desk or cannot answer the phone.

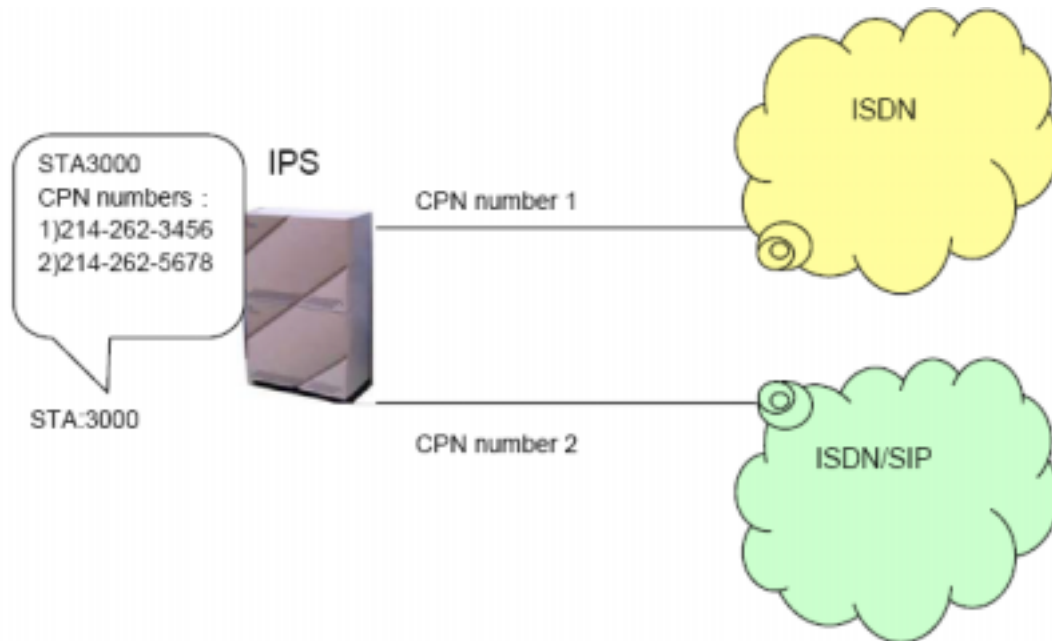### 2.3.2 Required Software and Hardware

- 64 PORT SYS SOFTWARE - 3900 SERIES R14

2.4 CPN to Network

This enhancement provides the station the ability to send out 2 separate Calling Party Numbers (CPN). For example send out 10 digit Calling Party Number (CPN) over PRI for normal calls and a separate 7 digit Calling Party Number (CPN) for 911 calls.

The following are possible in case of ISDN outgoing (LCR).

1) CPN numbers can be selected by each LCR pattern number.
2) Stations can have 2 CPN numbers.

2.4.1 Benefits

Stations having the ability of two types of calling party numbers allow more flexibility for sending out CPN when making outgoing calls.

2.4.2 Required Software and Hardware

- 64 PORT SYS SOFTWARE - 3800 SERIES R13
- 64 PORT SYS SOFTWARE - 3900 SERIES R14

2.5 External Paging with Meet-Me

This development meets the need that one PGT circuit uses multiple amplifier drive relay circuits in speaker paging. Previous to 3900 R14, only one amplifier drive relay circuit is specified for one paging trunk. This development allows specifying more than one amplifier drive relay circuit for one paging trunk circuit.
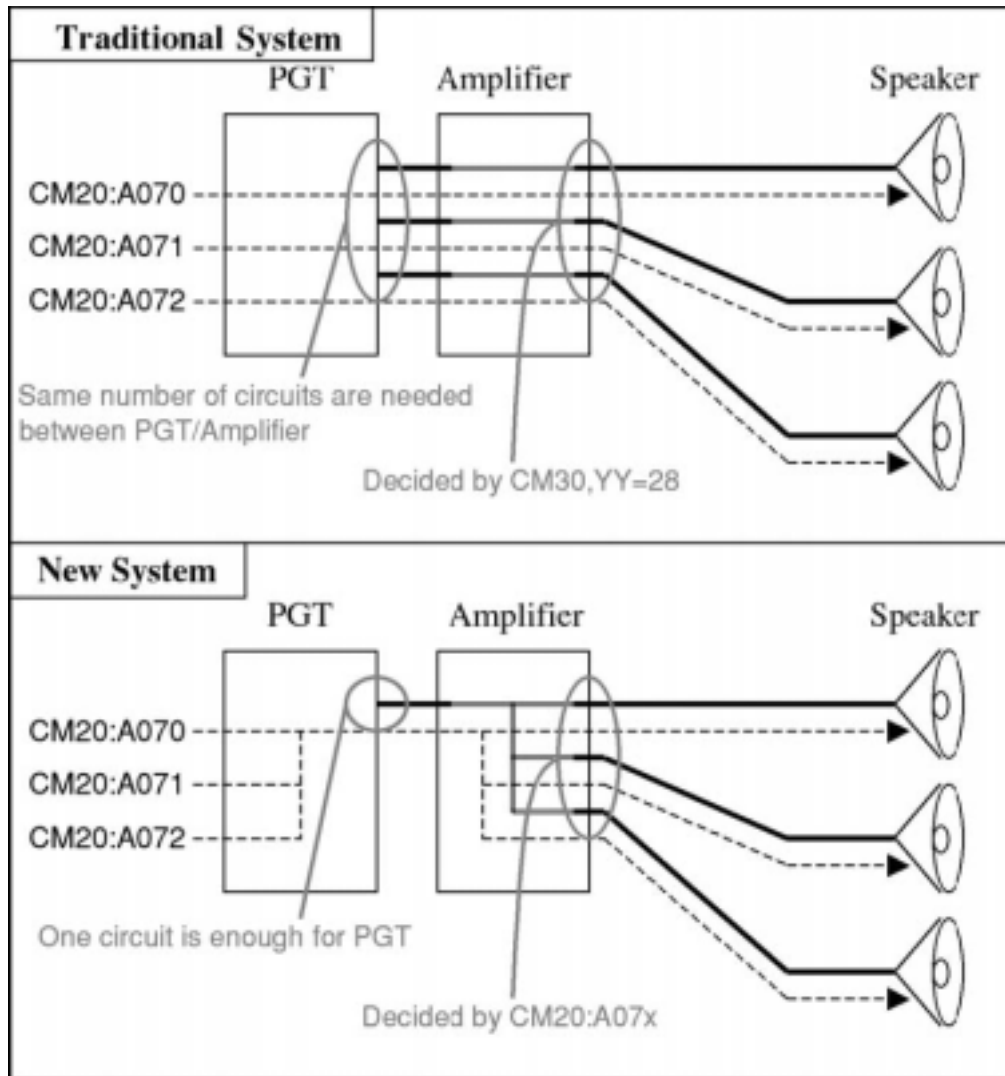
2.5.1 Benefits

Up to ten patterns of connection with amplifier drive relay circuit becomes available for one paging trunk. And also one paging trunk circuit can be connected to two amplifier drive relay circuits simultaneously.

2.5.2 Required Software and Hardware

- 64 PORT SYS SOFTWARE - 3900 SERIES R14
- Amplifiers and speakers locally provided

2.6 H/M Front Desk Instrument (Dterm)

The H/M Front Desk Instrument have been enhanced with the ability to perform features that where previously not available. Room status code change operation has been enabled on H/M Front Desk Instrument. Also, Check IN/OUT operation has been enabled on H/M Front Desk Instrument and DSS Console.

1. When Room status code change is made from H/M Front Desk Instrument,
    –   Sets/resets the specified service for each Room status code.
    –   Notifies the Room status code after change to printer.
2. When Check IN/OUT operation is made from H/M Front Desk Instrument and DSS Console,
    –   Sets/resets the specified service for each Room status code.
    –   Notifies Check IN/OUT to HCPU.
    –   Notifies Check IN/OUT to printer.

2.6.1 Benefits

This enhancement allows for more H/M feature flexibility for the H/M Front Desk Instrument.

2.6.2 Required Software and Hardware

- 64 PORT SYS SOFTWARE - 3900 SERIES R14

2.7 Fault Registration of Extended Call Time

This feature supports fault information registration for lone time call. Long time call is monitored and if the call duration exceeds the time specified in programming, the fault information is registered as long call time fault. Whether register fault or not can be selected per RT by system data. There are thirty-minute errors in fault registration of long time call. When fault information is registered, it can be watched with fault registration display (MAT) and SNMP manager.

2.7.1 Benefits

Efficiency for maintenance works is improved.

2.7.2 Required Software and Hardware

- 64 PORT SYS SOFTWARE - 3900 SERIES R14

2.8 Traffic Measurement

This trunk measurement enhancement is now available for all trunks (trunk number 000 to 511). Prior to 3900 R14, the outgoing/incoming traffic measurement was applied to only trunk with number 000 to 127.
The following services are provided by this enhancement.

1. Outgoing/incoming trunk traffic measurement for all trunks (trunk number 000 to 511) is available.
2. Outgoing/incoming trunk route traffic measurement is available for all trunks (trunk number 000 to 511).
3. Consecutive traffic measurement becomes possible, and the data for the latest six times ("data for the latest 6 days for daily measurement" "data for the latest 6 hours for hourly measurement") can be always stored.

2.8.1 Benefits

Efficiency for maintenance works is improved.

2.8.2 Required Software and Hardware

- 64 PORT SYS SOFTWARE - 3900 SERIES R14

3. Software and Hardware

Part Number	Description	Comments
New Software		
153348	**64 Port Sys Software - 3900 Series R14**	**3900 R14 Generic Software**
153344	**AP00B MRC-I (CD)**	**Update CD for AP00B MRC-H**
New Hardware		
153493	**SPN-AP00B MRC-I (AP)**	**Application Package for SMDR/ CCIS Centralized SMDR/MCI. Replaces (153488) SPN-AP00B MRC-H**

Technical Documentation

Description	Revision
NEAX 2000 IPS Business/Hotel Features & Specifications	11.0
NEAX 2000 IPS CCIS Features & Specifications	11.0
NEAX 2000 IPS ISDN-QSIG Features & Specifications	10.0
NEAX 2000 IPS SMDR/PMS/MCI Interface Specifications	4.0
NEAX 2000 WCS Features & Specifications	11.0
NEAX IPSDM Hardware Installation Guide (For 440 port)	2.0
NEAX 2000 IPS Command Manual	5.0
NEAX 2000 IPS Feature Programming Manual	5.0
NEAX 2000 IPS Installation Manual	5.0
NEAX 2000 IPS Maintenance Manual	4.0
NEAX 2000 IPS Office Data Programming Manual	5.0
NEAX 2000 IPS System Manual	5.0
NEAX 2000 IPS Software Upgrade Guide	4.0
NEAX 2000 IPS CCIS System Manual	4.0
NEAX 2000 IPS ISDN System Manual	5.0
NEAX 2000 IPS OAI System Manual	4.0
NEAX 2000 IPS Q-SIG System Manual (PRT)	4.0
NEAX 2000 IPS WCS System Manual	4.0
NEAX 2000 IPS WCS System Manual (PCS) (Series 3300 or later)	4.0
NEAX 2000 IPS MATWorX® User Guide	3.0
NEAX 2000 IPS MATWorX Installation Guide	3.0