

Release Note

NEAX[®] 1000 IVS

NEAX[®] 2000 IVS

Business / CCIS

1900 Series Software Release

1.0 Overview

The release of 1900 Series Software provides new features and enhancements to the **NEAX®1000 IVS** and **NEAX®2000 IVS**. The comprehensive climate of today's business requires the communications system to work smarter. The advantages of 1900 Series allows every person in your organization to manage time more efficiently with features such as; Dynamic Dial Pad, Group Page and Voice Guide.

2.0 New Business Features and Hardware

2.1 Group Call - Automatic Conference - This feature allows a D^{term} user, single line user or D^{term} **PSII** user within the system to establish a conference among as many as six or ten parties. A maximum of nine stations can be paged simultaneously, plus the originator. Stations can be assigned in up to eight simultaneous paging groups. A station can only be paged (ringing) in the idle state and can be paged even if the station has set Call Forward All. The originator can make a group call even if he is not a member of that group. The LCD Display on the paged (ringing) stations shows "PAGE" and the station number of the originator.

2.1.1 Hardware Required - 1900 Series Software, PN-CFTA (6/10 Party Conference Card) (Note: Standard 6/10 Party Conference quantities).

2.1.2 Typical Application - Any application requiring a station user (originator) to ring and converse to multiple station users (paging group) simultaneously.

2.2 Group Call - 2 Way Calling - This feature allows a D^{term} user, single line user or D^{term} **PSII** user within the system to page (ringing) a maximum of fifteen parties simultaneously. After one of the paged parties' answers, the paging becomes a two-way call between the originator and the first answered party. Paging (ringing) to the other group members stops automatically. Stations can be assigned in up to eight simultaneous paging groups. A station can only be paged (ringing) in the idle state and can be paged even if the station has set Call Forward All. The originator can make a group call even if he is not a member of that group. The LCD Display on the paged (ringing) stations shows "PAGE" and the station number of the originator.

2.2.1 Hardware Required - 1900 Series Software.

2.2.2 Typical Application - Any application requiring a station user (originator) to ring a group of stations simultaneously and converse with the first station that answers the page (ringing).

2.3 Proprietary Multiline Terminal

Dynamic Dial Pad - Station users can press the dial pad keys to place calls or set features without going off-hook or first pressing the speaker key. When the station user presses a dial pad key, the D^{term} will automatically turn on the speaker key. This feature is only applicable to extensions that are set as prime line.

2.3.1 Hardware Required - 1900 Series Software, D^{term} Series E Terminal.

2.3.2 Typical Application - All applications to simplify and save steps during call origination.

2.4 Proprietary Multiline Terminal

D^{term} Series E Mute Key - This feature mutes the transmit of the D^{term} Series E Terminal headset, internal microphone and headset. The Mute Key can be assigned to any of the line keys or soft-keys on the D^{term} Series E Terminal.

2.4.1 Hardware Required - 1900 Series Software, D^{term} Series E Terminal.

2.4.2 Typical Application – All applications requiring a soft-key appearance for mute key. Provide consistency between NEAX[®] 2000 IVS / NEAX[®] 2400.

2.5 Q-SIG (ETSI) - This feature allows the **NEAX[®]1000 IVS** and **NEAX[®] 2000 IVS** to provide basic connection service (make a call / receive a call) when interfacing to a Q-SIG network. Either a 24 B-channel 1.5Mbps (T1) or a 30 B-channel 2Mbps (E1) digital interface and a QSIG D-channel handler is required for each physical interface.

2.5.1 Hardware Required - Series 1900 Software, SPN-24DTAA-C (AP) or SPN-30DTC-UA (AP), SPN-SC01 QSIG (AP), the SPN-CK00 (AP) may be required for certain applications. (Maximum 4 Q-SIG interfaces per system).

2.5.2 Typical Application - Applications requiring various equipment manufacturers PBX's to be connected by a Q-SIG interface.

2.6 Voice Guide - This feature provides a station user two separate programmable station status announcements as follows;

First, an announcement can be provided as the result of the operation when the station user sets or cancels Call Forwarding-All /Busy/No Answer, Split Call Forwarding-All /Busy /No Answer, Do Not Disturb, UCD Busy Out, Return Message Schedule and Call Back . For example; "The Feature Has Been Set" / "The Feature Has Been Canceled". This announcement is provided instead of service set tone (SST).

Second, an announcement can be provided to a station user after going off hook identifying which service has been set; Call Forwarding-All, Split Call Forwarding-All, Do Not Disturb and Message Waiting. For example; "You Have a Message" or (and) "You Are In Do Not Disturb Mode". This announcement is provided instead of dial tone or stutter dial tone.

2.6.1 Hardware Required - Series 1900 Software, SPN-2DATA . A Digital Announcement Trunk (DAT) circuit is required for each announcement.

2.6.2 Typical Application - Assist the station user to identify the status of setting and canceling features and identifying the mode the station is currently in.

3.0 Enhanced Business Features & Hardware

3.1.1 Add On Module – 1900 Series provides a maximum of (32) EDW-48-2 units are allowed per Firmware Processor (FP) with a system maximum of 32.

3.1.2 Previously - A maximum of (8) EDW-48-2 units were allowed per FP with a system maximum of 32.

3.1.3 Typical Application - Applications requiring up to 32 Add-On Modules in one or two PIMs. Or combinations of Add On Modules and DTP-32D D^{term} Terminals using 24 line keys in one FP, not to exceed 32.

3.2 Call Forwarding -All Calls / Call Forwarding - Busy Line / Call Forwarding - No Answer - An internal station call to a station that has set Call Forwarding-All / Busy Line / No Answer to an Outside destination will follow the restriction class of the Call Forwarded station.

3.2.1 Previously - The originating stations restriction class was followed.

3.2.2 Typical Application – A station that is restricted to internal calls only, can call a station that has set Call Forwarding Outside. For example; Internal restricted station is calling a station that has set Call Forward Outside (Forwarded station is working from home).

3.3 Least Cost Routing - 1900 Series provides increased tables for area and office codes. LCR tables have been increased to 512.

3.3.1 Previously - 256 tables were available.

3.3.2 Typical Application - Anticipated additions to the NANP and more flexibility in very large 2400 CCIS networks.

3.4 Stack Dial - 1900 Series automatically allows both * and # to be used for Last Number Redial. By pressing the LNR/SPD key the user hears special dial tone and the number dialed last is displayed on the LCD. The user can press either * or # for Last Number Redial (LNR). The display shows both * and #; "RDL [* / #] / SPD [_ _]".

3.4.1 Previously – Either a * or a # could be set for LNR, (depending on system data setting) but not both. Even if system data was set for # the display for Last Number Redial always showed *, "RDL [*] / SPD { _ _ }".

3.4.2 Typical Application - Provide consistency between NEAX[®] 2000 IVS / NEAX[®] 2400.

3.5 Voice Mail Integration

Voice Mail Private Password - When any connection to Voice Mail (VM) is established, each press of the dial keypad will display " * " on the D^{term} LCD. This prevents the VM Password from being displayed.

3.5.1 Previously - Any connection to VM would display all dial keypad entries.

3.5.2 Typical Application - All Voice Mail applications.

Enhanced CCIS Features

4.0 Call Forwarding / Call Back CCIS - D^{term} Series E Terminal Display (no change for Series III) enhancements in a CCIS network. Displays are as follows; "CF ALL XXXX", "CF BUSY XXXX", "CF NANS XXXX", "CALL BACK XXXX".

4.0.1 Previously - Series E Displays were as follows; "FDA XXXX", "FBD XXXX", "FDN XXXX" and "CB XXXX". (Series III Terminals still use these Displays)

(**Note:** XXXX=station number).

4.0.2 Typical Application - Uniformity and consistency with NEAX[®] 2400 in a CCIS network.

5.0 New Hardware

5.1 SPN-2BRTC - Two circuit BRI Trunk card. For application and economic considerations, both the current SPN-BRTA-C (one circuit card) and the new SPN-2BRTC (two-circuit card) will be offered.

5.2 SPN-SC01 QSIG (AP) - D-Channel Handler for QSIG. One SPN-SC01 QSIG (AP) and one SPN-24DTAA-C (AP) or SPN-30DTC-UA (AP) is required for each physical interface.

5.3 SPN-30DTC-UA (AP) - 30 B-Channel, 2Mps E1 card. Typical E1 applications apply to any CCIS, Q-SIG, TIE Line application via continuous property. Complies with Mu-LAW PCM voice coding and companding standard used in North America. (**Note:** Does not support A-LAW coding used in Europe, Mexico and South America)

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