NEC

Release Notes

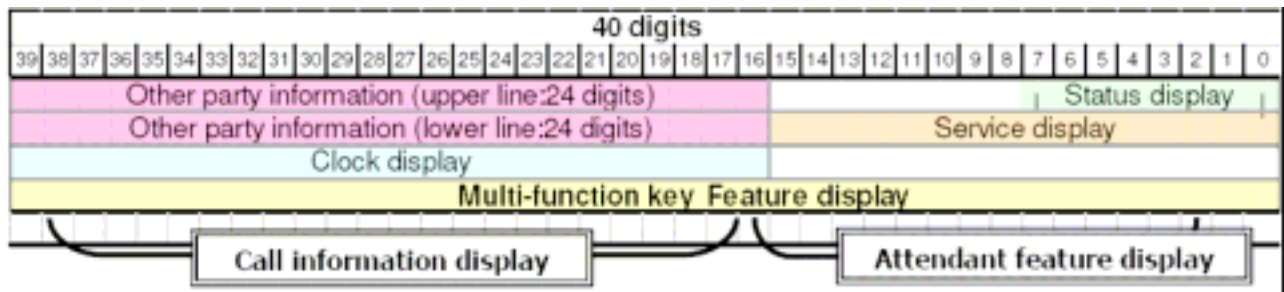# *UNIVERGE* SV8300

R2 Software Release

1. Overview

8300 R1 series software was introduced with the release of the UNIVERGE SV8300. The SV8300 continues to provide new and enhanced features with the release of 8300 R2 series software. R2 revision software includes the new and enhanced features, such as, SN716 DESKCON-C, Embedded 32-Party Conference, Bluetooth Cordless, PHS Wireless Roaming, etc.

2. New Business Features

2.1 SN716 DESKCON

The SN716 DESKCON-C operates on a switched-loop basis with a maximum of 6 Attendant loops terminating at each console on the associated Interface blade. The Attendant uses these loops for answering, originating, holding, extending, and re-entering calls. Operating procedures of DESKCON are same as those in IPS with some feature enhancements and can be used in both a Business and Hotel/Motel environment. LCD display information on DESKCON has been rearranged and digits expanded from 16 to 24.

Display Contents	
Other party information (upper line)	Station number, trunk type, others
Other party information (lower line)	Station name, others
Clock display	Date and time
Status display	"PA", "CLI", "G01", etc.
Service display	"CW01", "NIGHT", etc.
Multi-function display	Soft key

2.1.1 Benefits

The SN716 DESKCON provides the ability to have a full functioning Attendant Console for Business and Hotel/Motel. The DESKCON provides additional features over using a digital terminal as an answering position.

2.1.2 Required Software and Hardware

- R2 Version License Software
- SN716 DESKCON-C F/W: ver. 7A or higher
- DLC Blade F/W: ver. 2.3 or higher

2.2 Embedded 32-Party Conference

The Embedded 32-Party Conference feature (equivalent to CFTC with IPS) is built-in to the SV8300 CPU. There are 8 conference ports built-in and licenses can be added to expand to 16, 24, or 32 conference ports. By dialing a conference pilot station number from a station/trunk line, group station can be called. Up to 32 parties including the leader can call at the same time.

Conferences can be partitioned to support:

- Four 8 party conferences or
- Two 16 party conferences or
- One 32 party conference

Features include:

Group Call - Automatic Conference:

This feature enables a station user to establish a conference among as many as 32 parties. From a station or Attendant, a maximum of 31 stations/trunks can be paged simultaneously except the conference leader. The paged stations/trunks are assigned to the simultaneous paging groups as participants by the system data beforehand.

Meet-Me Conference:

This feature enables a station user to page a maximum of 31 parties simultaneously except the group call leader. After paged parties answer, the leader can speak to the paged parties (the paged parties only hear the leader's voice). The paged stations/trunks are assigned to the simultaneous paging groups as participants by the system data beforehand.

Conference Lock:

A participant can lock a conference to restrict additional participation. Even if a conference is locked once during a conference, the conference can be unlocked by unlock operation.

2.2.1 Benefits

SV8300 can provide conferencing for up to 32 parties without additional hardware.

2.2.2 Required Software and Hardware

- R2 Version License Software
- LS-CONF-8PORT-LIC

2.3 Bluetooth Cordless

The Bluetooth functionality is only supported on the DT330 terminals. The Bluetooth handset functionality comes with integrated Bluetooth hub. When this adapter is installed on the DT330 it will acquire both ports 1 and 2 of the terminal.

DTL-12BT-2 (BK) TEL and BCH-L (BK) UNIT

2.3.1 Benefits

Device allows users the ability for Bluetooth functions with their system extension.

2.3.2 Required Software and Hardware

- R2 Version License Software
- DTL-12BT-2 (BK) TEL
- BCH-L (BK) UNIT

2.4 PHS Wireless Roaming

SV8300 supports multi-site wireless roaming with peer-to-peer CCIS. PS III users can originate or receive a call in any place of a network that has a SV8300 connected by Peer-to-Peer CCIS.

2.4.1 Benefits

PS user can originate or receive a call in any place of a Peer-to-Peer CCIS network.

2.4.2 Required Software and Hardware

- R2 Version License Software
- LS-FEA-PHS-ROAM-LIC
- LS-TRK-P2PCCIS-LIC
- LS-NW-CCIS-LIC
- LS-EXT-PHS-LIC

3. Enhanced Features

3.1 PC Pro

The SV8300 PC Programming ("PC Pro") is a personal computer that provides an interface to the PBX via the system's CPU blade. The PC Pro PC must have the PC Pro program properly installed to communicate with the PBX. PC Pro is required for system software registration and activation. PC Pro is a Graphical User Interface (GUI) program that provides an efficient method to manipulate the PBX database. This program contains extensive help files, Usage Wizards and Tool Tips, with hyperlinks imbedded in the text. The hyperlinks provide quick access to the appropriate Add-In modules. Add-In modules provide a user friendly intuitive method to customize the PBX database.

R2 Enhancements:
- **Script Editor:** "Mach Script Editor" function, which is provided by MATWorX of IPS, is used very frequently by maintenance engineers. Therefore the similar function is also provided for the PC Pro maintenance tool for the SV8300. (The format of script file is same as that of the IPS)
- **System Data Convertor:** The system data structure is different between NEAX2000 IPS and SV8300, so it cannot be used when they are upgraded to SV8300. Therefore, upgrading from NEAX2000 IPS to SV8300 would produce an enormous amount of work of all system data input. To ease this, a tool to read the system data of NEAX2000 IPS and convert it to the system data structure for SV8300 is demanded. The data conversion can be done from the following IPS CPUs: CP24, CP26, CP27, and CP31.
- **PC Pro One-Step Registration method:** With One-Step Registration, a license file is downloaded from the LMS. It contains all licenses and the activation code. After downloading the license file, no further communication is required to the LMS to register the SV8300. PC Pro loads the license file and the system is registered.

3.1.1 Benefits

PC Pro enhancements allow maintenance and upgrades to be handled easier.

3.1.2 Required Software and Hardware

- R2 Version License Software
- PC Pro

3.2   CAT Mode

In addition to the PC Programming, programming of the system can be done from selected Multiline Terminals with LCD. The designated Multiline Terminals can be placed in program mode, and system data can then be changed.

Operation of CAT mode on DT-300/DT-700 series has been difficult because key assignment for them is defined on Series E basis in R1. Also, dot separated IP address on the SV8300 cannot be entered. CAT feature is enhanced in R2 to solve these issues. Key assignment for office data input on multi-functional terminal (CAT mode) is rearranged to improve CAT operability on the new terminals (DT-300/DT-700). Concretely, the followings are achieved.

1. "." dot input becomes possible
2. Fixed keys for DT-300/DT-700 are rearranged
3. Cursor key can be used with DT-300/DT-700

3.2.1   Benefits

Operability of CAT, one of maintenance features in small PBX, is improved to achieve easier installation.

3.2.2   Required Software and Hardware

- R2 Version License Software

3.3   RS Ports

With R1 only the RS ports on UNIT 1 could be used. In R2, RS1 and RS2 of UNIT 2 and UNIT 3 become available so as to extend available service.

3.3.1   Benefits

For multiple UNIT systems, the ability to have more RS ports for expanded applications. When SMDR and PC Pro (direct connection) is being used in UNIT 1, MCI and H/M Printer can be connection to RS ports in UNIT 2 and/or UNIT 3.

3.3.2   Required Software and Hardware

- R2 Version License Software

3.4 DESI-less

SV8300 improves the display features of DESI-less and aims to enhance visibility and operation. Originally, service features displayed on DESI-less LCD were a fixed display. This enhancement enables users to change the names displayed for function keys. Also allows for variable length of time when the backlight of DT300/700 series lights on. The backlight of DT300/700 series lights on when the terminal is operated. The default light time is 10 seconds, and the light time can be selected.

3.4.1 Benefits

The user can change the function key name to a more recognizable name and the backlight timer is adjustable.

3.4.2 Required Software and Hardware

- R2 Version License Software

4. Software and Hardware

Part Number	Description	Comments
New Software		
670858	LS-SYS-R2-LIC	R2 Version License
670859	LS-CONF-8PORT-LIC	8 port conference License - For adding 8 port increments for a maximum of 32
670777	LS-FEA-PHS-ROAM-LIC	PHS Roaming
New Hardware		
201448	SN716 DESK CON-C	SN716 DESK CONSOLE - Maximum of 8 Consoles per system
200915	SN-716 DESK CONSOLE HEADSET	Headset for SN-716 DESKCON
200285	SN536 DCHST A-A	Handset & Cradle for SN-716 DESKCON
770310	ACA-U UNIT	24V DC Adapter for Local PWR to DESKCON (1 AC Adapter per Console)
670833	AS SYSTEM PC APP CD	System Application CD consists of: - PC Pro programming
680008	DTL-12BT-2 (BK) TEL	DT330 - Digital 12D + BCH (BK): The digital 12 button display Multiline Terminal with Blue Tooth Handset has 12 programmable line keys.
680605	BCH-L(BK) UNIT	DT330 - Black Bluetooth Handset

Technical Documentation

Description	Revision
SV8100 / SV8300 Hardware Manual	**1.0**
SV8300 Command Manual	**2.0**
SV8300 Programming Manual	**2.0**
SV8300 Networking Manual	**2.0**
SV8300 System Manual	**2.0**
SV8300 PC Programming Manual	**1.0**
SV8300 System Data Programming	**1.0**
SV8300 System Maintenance Manual	**1.0**
SV8300 Business/Hotel Feature & Specification	**1.0**
SV8300 SMDR-MCI-PMS Specification	**1.0**
SV8300 ISDN/Q-SIG Feature & Specification	**1.0**
SV8300 CCIS Feature & Specification	**1.0**
SV8300 WCS Feature & Specification	**1.0**
SV8300 Configuration Guide	**1.0**
UM8000 Installation Guide	**1.0**
InRouter Configuration Guide	**1.0**
PoE Gigabit Switch Configuration Guide	**1.0**
SV8300 Parts & Price Book	**2.0**