

Release Notes



SV9100 CP20 R14.11.51

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1. INTRODUCTION

This FCO provides information about the Minor Release of Univerge SV9100 CP20 Main Software.

- SV9100 CP20 Main Software 14.11.51

2. IDENTIFICATION

This release is SV9100 CP20 Main Software
14.11.501

3. COMPATIBILITY

Any UNIVERGE SV9100 CP20 can be upgraded with this system software.

Note – The SV9100 R14 Version licence BE121157 must be installed in order to install Main Software 14.00.xx or later.

R14 Version licence is available for systems with active Software Assurance (SWA) or during Grace Period and can be downloaded from the LMS.

For systems without active SWA the R14 Version licence can be purchased and will then be available to download from LMS.

1.1.1 InApps

Main Software 14.10.50 or later, includes InApp Manager v1.8.3, InLMS v1.0.3 and InOAuth 2.0.2.

4. UPGRADE INSTRUCTIONS

It is always advisable to save the system configuration prior to any upgrade.

WARNING: Powering off while card firmware is occurring, can cause corruption of cards. Please ensure all cards are running (up to 10 minutes after upgrade dependent on number and type of cards (LCF upgrade is longest) before performing any reset. See further explanation later in this document.

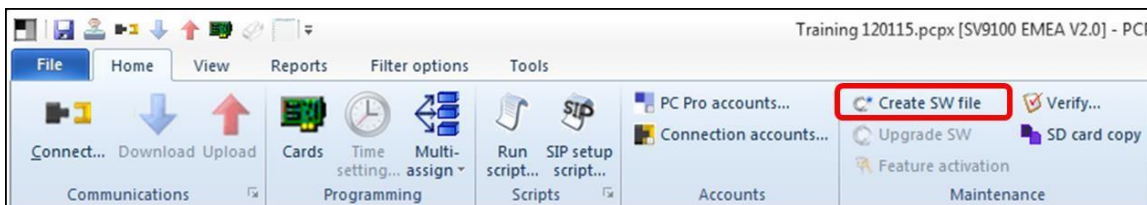
To perform a system software and firmware upgrade:

1. Turn the system power off.
2. Once the system has powered down, insert the USB Memory containing the software upgrade into the USB port on the GCD-CP20.
3. Push in and hold the **Load** button.
4. Turn the system power on.
5. Continue holding the **Load** button for approximately 10 seconds or until Status LED5 begins flashing red.
6. Release the **Load** button.
7. Wait until the Status LEDs on the GCD-CP20 have the following indications (approximately two minutes):
LED 2: Flashing Red
LED 3: Flashing Red
LED 4: Flashing Red
LED 5: Steady Red
8. Turn the system power off and un-install the USB Memory.
9. Turn the system power back on.
10. When the system has completed reloading the software, the Status LED begins flashing on the GCD-CP20. The remaining four LEDs are off.
 - To confirm the new software version has been installed, the system version number can be viewed by pressing the FEATURE + 3 keys on any display multiline terminal.
 - The existing system software in the flash memory is replaced, but the customer data (stored in the RAM) is saved.

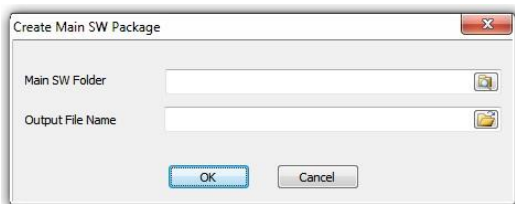
Or via Remote

First create a remote upgrade file from the same software you would add to the USB stick.

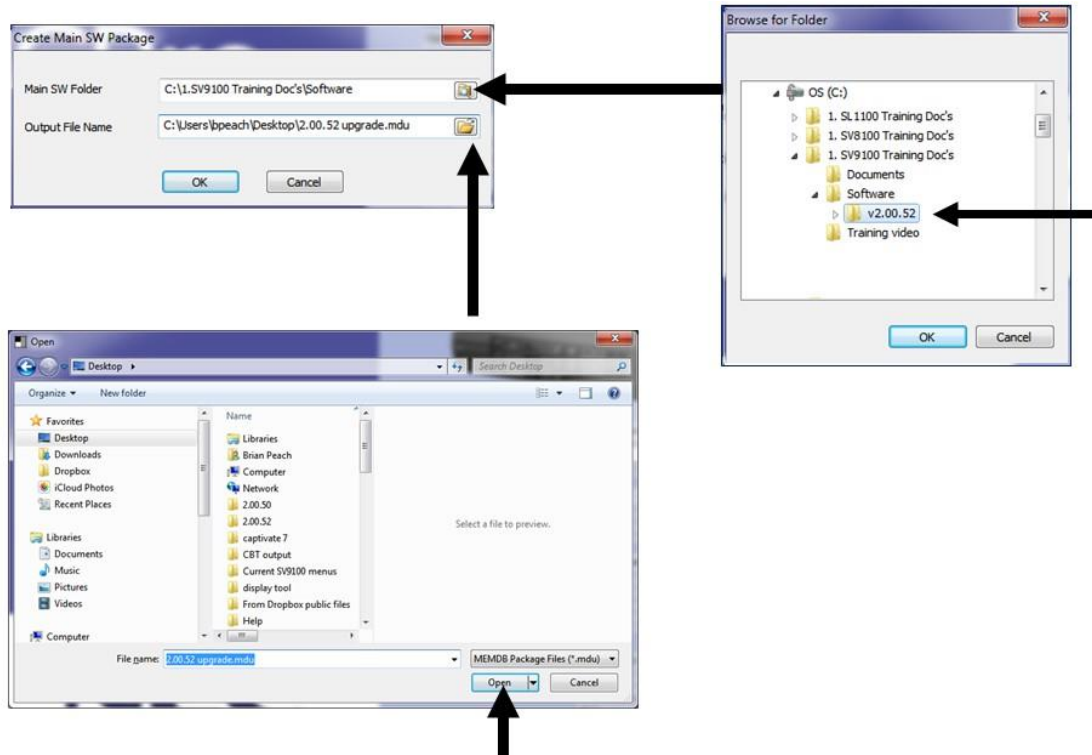
From the ribbon bar, select Create SW file:



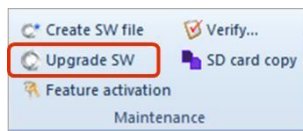
This will pop a window:



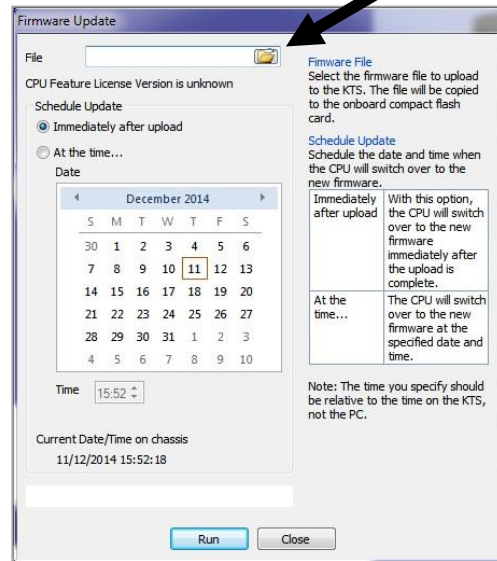
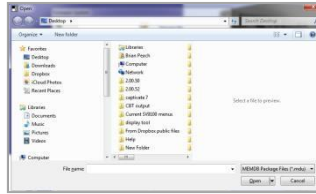
Select the area of the Main SW and where to save the output of the remote upgrade file:



Connect to the system via PCPro in the normal manner, and from the ribbon bar select Upgrade SW



In the File box, select the mdu file you created for the upgrade, then select when the upgrade should occur (immediately or the date specified). At this point the system will perform its normal upgrade cycle and reboot.



Main Software Upgrade and Option Card Firmware

After a main software upgrade the SV9100 reboots (either manually if via USB or automatically if via PcPro/Webpro).

After reboot the main software will then push out to the option cards (including IPLE) any firmware updates.

Firmware updates are not always required, it is dependent on version upgrading from and to.

It is important that during this firmware upgrade the system is not reset, as doing so interrupts the firmware upgrade and can cause corruption of the cards performing upgrade at the time.

Upgrade in a Netlink Environment

1. Access Primary system via PCPro or WebPro in NetLink network.
2. Set PRG51-16-01 to Disable.

Note: This change prevents replication error from occurring between systems.

3. Access Secondary systems via PCPro or WebPro in NetLink network.

Note: Upgrade should start with Secondary systems to update properly. As such NetLink network is kept up, and you do not need to worry about the presence of substitute Primary system.

4. Upgrade main system software of Secondary systems.

Note: Check it has upgraded the main system software of all properly.

5. Upgrade main system software of Primary system.

Note: Check it has upgraded the main system software properly.

6. Restore PRG51-16-01 to previous setting data.

5. FUNCTIONAL CHANGES

- None

6. SOLVED PROBLEMS

6.1. List of Solved Problems

The following items are fixed in this version: None

6.2. List of Previously Solved Problems

The following items are fixed in this version:

14.11.51

Reference	Description
SV91-4736	PRG 99-03-29: TCP Port 4649 Open/Close Setting
SV91-4738	Random system reboot (CP10 and CP20)

14.11.50

Ported issues that occurred in other markets and other models

Reference	Description
SL21-3045	FoIP doesn't work
TSR103092	Some fax calls cut off before transmission starts
	External trunk may not be disconnected and continues to be held when a door phone call is transferred to an external trunk
	It may become impossible to log in to the browser phone
	The WebSocket session of the browser phone may remain active
	DID calls are not forwarded to the external line of the second transfer destination
	minor bug fixes

14.10.50

Reference	Description
SV91-4650	Error when sending email notificaiton with InOAuth 2.0.1
	Fixed in InOAuth 2.0.2
SV91-4586	When incoming call follows delayed timers in Prg 22-04-02, there is an intermittent issue that occurs where the calls continue to ring on some extensions after the call has been answered.
	Fixed in 14.10.50

14.00.50

Reference	Description
SV91-4584	System lost programming
	(US) IP Phones switching to Portal mode, SIP trunk programming returning to default, cause by unexpected power loss.
SV91-4593	A party to C party not working
	(AUS) 84-39-42 set as 1, wrong CLI being presented
SV91-4592	TRF call from Sv9100 Ext Bridge User now doesn't show Ext Name only CLI
	(EMEA) UBlue - Internal name wasn't being presented
SV91-4618	Call is dropped when forwarding to Tiger VM under certain scenario
	When all VM ports busy calls were being dropped
	PRG90-50-01: Unable to input "Asterisk (*)" and "Sharp (#)" from TelPro.
	For 90-50-01, (*) and (#) now supported in TelPro

13.20.51

Reference	Description
	Calls to BRIDGE users that originate from IRG's will no longer go to Blue voicemail after the CONNECT user changes their status to Do not disturb, Out sick, On vacation or Off work. Users that set their status to On break or Busy will also no longer continue to ring after upgrading to 13.20.51.
	Fixed in 13.20.51
SV91-4558	Audio lost after hold or transfer
ITE-83082	SIP trunks, sometimes had one way audio, when retrieving call from hold.

13.00.50

Reference	Description
F220810001	InUC Browser Phone unable to answer after updated to Chrome v104
ITE 81966 ITE 81963 ITE 82048	Following Chrome update, InUC Browser phone answer function, disconnected the external party

12.10.55

Reference	Description
F220601001	SV9100CP20 Extension take away a caller from an existing conversation, with the Pickup own group functionality
ITE 81114	In some cases, call pickup intercepted, existing calls.

12.10.54

Reference	Description
F220503001	SV9100CP20 sends out wrong number in p-preferred or p-asserted identity field
ITE-80929	

12.10.53

Reference	Description
F220323001	ABB dial not shown in MLT display in software version 12.10.52
ITE 80465	In some cases, calls arriving via SIP trunk's failed to match speed dial name 13-04-02, in the display of digital phones, sometimes repeating the incoming CPN on both sides of the display.
F220216001	SIP Certification with Telecom Italia registration issues
ITE80350	New item 84-39-52 added to resolve registration issues: Mode 1: Set a "transport=" parameter on Contact Header of REGISTER message

12.10.52

Reference	Description
F200820001	Name sending and receiving over SIP trunk
F201124002 F201124003 MRDB 4909 MRDB 4810 ITE 74686 ITE 74105 ITE 73737	For incoming calls it should receive the Display part of the From header and display to the MLT user, For outgoing calls it should populate the station name from 15-01-01 into the Display part of the From header. New item 84-39- Option 4: Outgoing INVITE Message FROM Header Display Part. New mode - Mode 6: Use Extension Name Information, added to resolve issue
F211205001	Mobile Switch Off announcements (Early Media) doesn't work
ITE 79442	Few of our customers have reported that Mobile Switch Off announcements (Early Media) doesn't work in SV9100 with Etisalat SIP Trunk. New item 84-39- Option49: Change the behaviour when system receive 2nd 180 Ringing without SDP after negotiating. New Modes - Mode 0: Send Local Ring Back Tone and Mode 1: Send Early Media , added to resolve issue.
F210506001	SDP Version is not incremented – CYTA
F190717001 F171005001 ITE 61872 F200408001	When SDP properties are changed by SIP carrier SV9100 does not increment SDP version and call is dropped by network provider. New items 84-39 - Option50: Change behaviour when system receives Invite Message with SDP for session time negotiating. New Modes - Mode 0: Default option, no change, Mode 1: Increment SDP Session ID when received SDP session ID that has been incremented from Network side, Mode 2: Session ID and Session Version is changed , Mode 3: Session Version only is changed, added to resolve issue.
F220112001	BT Testing T302 support sending domain name in the Contact Header

	Request from Market, send 10-28-01 / 10-28-02 within the Contact Header when T302 Move Temporary is enabled, instead of the IP address from 10-12-07 10-12-09? Naming of the modes have been changed, to clarify mode's use.
Reference	Description
	84-39-16 to Mode 3:Use Domain and Host name from in the Contact Header (PRG 10-28-01 / 1028-02).

12.00.51

F201201004	SIP Carrier modification for Germany
	Reseller in Germany requires a modification to the DNS/SIP Register design of the SV9100 CP20
F210723001	SIP Trunk compatibility with British Telecom WSIPT service
	20-25-01 added to support, Include the diversion Header for divert over SIP Trunks command 84-39-42
F210506001	SIP Carrier modification for CYTA
	84-39-50 adds items 2 and 3 to support SDP incrementation of SIP calls to prevent calls from being dropped by the network provider.
F200610001	No Speech from secondary site for Remote IP phone
	Netlink connected secondary site, was having issues with speech paths on remote IP Phones and ST500

11.00.58

Reference	Description
F210212001	SIP Carrier requirement for Germany - Privacy Header not sent with default carrier choice
	No Privacy Header when using default SIP Carrier choice in 10-29-14 set to 0 Added to default carrier mode so when 84-39-19 is set to Mode 0 then Privacy: None is sent in the invite.
F210322003	No VRS message when ringing an extension in DND
	Delay in speech path connection when a browserphone calls another browserphone which has DND set. You will not hear the fixed VRS message because of the delay in opening the speech path.
None	In-UC & Chrome v90 support - There is a case that Browser phone can not work
F210416002 F210525001	SV9100 CPU Card resetting daily.
	SV9100 makes several resets a day. System reset only happens when the customer is open and not at evenings or weekends.
F210518001	SP310 no speech if added to a conference Call

	The SP310 extension has both way speech for internal and external calls, however if SP310 extension is added into a conference call it doesn't have speech.
F200924001	No audio in Remote Conference Bridge when using SP310
	You don't get any audio apart from the confirmation beep when using the Remote Conference feature with an SP310 softphone.
F210420003	SP310 No speech on conference or barged calls
	When a Softphone SP310 is Barged in a conversation the SP310 doesn't hear the other callers.
F210407001	InUC Browser phone intermittently fails to register
	After about 2 weeks of working the browser phones stop being able to register. During the issue, existing working and registered browser phones continue to be operational, they work ok, but new registrations fail. A reboot clears the issue and it works again.
F210416003	Feature + 4 detail
	When pressing "Feature" + 4 on the terminal, it shows DSP information. But not shown for all languages.
F201113001	SIP Trunks are occupied and in the state `DISCONNECT INDICATION`. After a few days
	After a certain time (eg 24 hours) all SIP Trunks are occupied and in the state `DISCONNECT INDICATION`

11.00.52

F181112001	Arabic missing from Service code selection
	Arabic missing from InMail language selection currently shows '-----' Modify following PRG. 「Reserved」 -> 「Arabic」 <ul style="list-style-type: none"> • 40-07-01 • 47-02-16 • 47-06-14 • 47-07-03 • 47-10-03
F210107001	Security Issue
	External access via InUC port

F210202002	facility message fails every other call
	Call Deflection / re-routing fails on alternate calls

10.60.55

F190911001	Send 480 Temporary unavailable instead of 487 request terminated when ring no answer exceeds 180 seconds
	480 Temporary unavailable sent instead of 487 request terminated when ring no answer exceeds 180 seconds. Requires CMD 84-39-51 in PCPro version 10.51.55 to enable.

10.60.53

F200505001	PcPro and WebPro become inaccessible after O+M port use
	Seen mainly after BCT synchronises using port 8010 (10-20-01 type 11) the CPU becomes inaccessible via Web PPro and PC Pro.
F200714001	CPU stops responding to SIP Trunks connection
	SV9100 CPU card not keeps locking up with connection with SIP Trunk that receives TLS Packet from the Carrier. System reboot clears.
-	Virtual extension no longer supported in IRGs with R10.5
	virtual extension is no longer signaled on a *03 function key. In DIM it shows `chk_irg_member() >> 4003f9 is unsupported

10.50.57

Reference	Description
F160413001	Restriction override problem
	Toll restriction override issues occur if have Trunk access code set to f-Route.
F190717001	SDP Version is not incremented
	When SDP properties are changed by SIP carrier SV9100 does not increment SDP version and call is dropped by network provider.
F191219002	System doesn't play fixed message for inbound external calls if CLI is enabled
	System doesn't play fixed message for inbound external calls if CLI is enabled on the trunk. Caller may consider call has cut off.
F200206003	System is intermittently resetting
	System is intermittently resetting

10.30.53

Reference	Description
F200108001	Intermediate Certificate not supported
	SV9100 platform does not support use of intermediate certificates in the chain. Now corrected.

7. KNOWN PROBLEMS

The following are not problems but are listed to for awareness.

N/A

8. SECURITY

All ICT installations are at risk of unauthorized intrusion and subsequent misuse. Such intrusions may result in significant losses to the company affected, including but not limited to financial liabilities, data privacy breach, intellectual property, material assets and associated labour or legal costs.

NEC products contain a variety of features designed to help prevent and combat such misuse. To assure their effectiveness it is essential that such features are configured, deployed and maintained in an appropriate manner by the installing party in consultation with the user of the equipment.

The ultimate responsibility for assuring the overall security of the ICT installation resides with the using company. The effectiveness of their security measures depends on the quality and rigorousness of implementation of their security policy by ICT administrators and their user community.

Information about the security features in NEC products and how to configure them is contained within the product documentation.

9. MATERIALS

9.1. Physical Distribution

N/A

9.2. On-line Distribution

Any software related to this release can be downloaded from the software database on BusinessNet. <http://businessnet.nec-enterprise.com>.