\Orchestrating a brighter world NEC

Release Notes

SL2100 R2.30.06

Product	**-**	Univerge SL2100
Version	-	Release 2.30.06
Date	-	10-September-2020
Document Reference	**-**	FCO 2020.073
Category	-	Maintenance
Issued by	-	NEC Enterprise Solutions EMEA

Queries concerning this document can be addressed to SMB.TECHSUPPORT@EMEA.NEC.COM

Great care has been taken to ensure that the information contained in this document is accurate and complete. Should any errors or omissions be discovered or should any user wish to make a suggestion for improving this document, they are invited to send the relevant details to supportcentre@emea.nec.com

Disclaimer: Our products are subject to continuous development and improvement. Therefore additions or modifications to the products after mentioned date may cause changes to the technical and functional specifications. No rights can be derived from the contents of this document. NEC Nederland B.V. and/or its respective suppliers make no representations about the suitability of the information contained in this document and related graphics published as part of the services for any purpose. This document and related graphics are provided "as is" without warranty of any kind. NEC Nederland B.V. and/or its respective suppliers hereby disclaim all warranties and conditions with regard to this information, including all warranties and conditions of merchantability, whether express, implied or statutory, fitness for a particular purpose, title and non-infringement. In no event shall NEC Nederland B.V. and/or its respective suppliers be liable for any special, indirect or consequential damages or any damages whatsoever resulting from loss of use, data or profits, whether in an action of contract, negligence or other tortuous action, arising out of or in connection with the use or performance of information available from the services. This document and related graphics published on the services could include technical inaccuracies or typographical errors. Changes are periodically added to the information herein. NEC Nederland B.V. and/or its respective suppliers may make improvements and/or changes in the product(s) and/or the program(s) described herein at any time. The example companies, organizations, products, domain names, e-mail addresses, logos, people, places and telephone numbers depicted herein are fictitious. No association with any real company, organization, product, domain name, e- mail address, logo, person, place or telephone number is intended or should be inferred.

All rights reserved. Reproduction in whole or in part is prohibited without the written consent of the copyright owner.
This document is provided for information only. NEC Enterprise does not provide any warranties covering this information and specifically disclaims any liability in connection with this document. NEC and the NEC logo are trademarks or registered trademarks of NEC Corporation that may be registered in Japan and other jurisdictions. All trademarks identified with © or TM are registered trademarks or trademarks of their respective owners. Models may vary for each country, and due to continuous improvements this specification is subject to change without notice.
Please refer to your local NEC contact(s) for further details.

Contents

1. INTRODUCTION 3
2. IDENTIFICATION 3
3. COMPATIBILITY 3
4. UPGRADE INSTRUCTIONS 3
5. FUNCTIONAL CHANGES 6
6. SOLVED PROBLEMS 6
List of Solved Problems 6
List of Solved Problems in Previous Releases 7
7. KNOWN PROBLEMS 16
8. SECURITY 16
9. MATERIALS 16
Physical Distribution 16
On-line Distribution 16

1. INTRODUCTION

This FCO provides information about the Maintenance Release of Univerge SL2100 Main Software.

- SL2100 Main Software R2.30.06

2. IDENTIFICATION

This release is SL2100 Main Software R2.30.06.

3. COMPATIBILITY

Any UNIVERGE SL2100 can be upgraded with this system software.

4. UPGRADE INSTRUCTIONS

It is highly recommended to upgrade any new install before visiting the customers premises. For existing installs it is always advisable to save the system configuration prior to any upgrade.

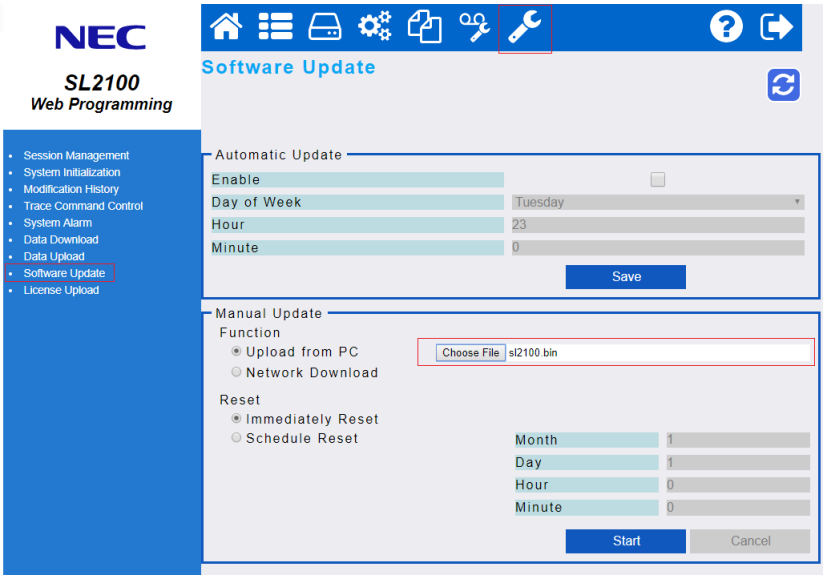
WARNING: Powering off while upgrade is occurring, can cause corruption of the CPU. Please ensure you allow the full upgrade to occur. The upgrade can take between 10 and 15 minutes and it is normal for the LED status to remain constant (no flashing, or continuous flashing with no change) for periods of the upgrade cycle. Please do not power off during this period. To give a better indication of upgrade status, the LED pattern has been changed from version 1.5. Please see section later in this document.

To perform a system software and firmware upgrade via Webpro (This is necessary if upgrading from a version before 1.04.00).

The upgrade file is a .bin file, this may be received as a zip file, if so extract first.

In the Maint. page (Spanner icon), select Software Update.

In the Manual Update area click Choose File and locate the .bin file.



Select either Immediate Reset or Scheduled Reset (enter the required date and time).

Once started the following message can be seen:

Software Uploading is in Progress, Please Wait!!! While Software is uploading, Please do not interact with browser window until the firmware update is completed.

When complete you will see:

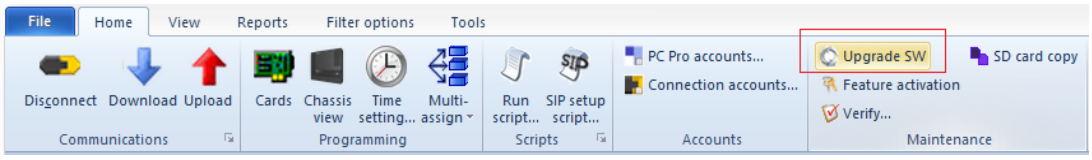
Software Upload completed successfully.
The software will be updated after system reboot.

The SL2100 will now reboot (will reboot later if used the scheduled reboot).

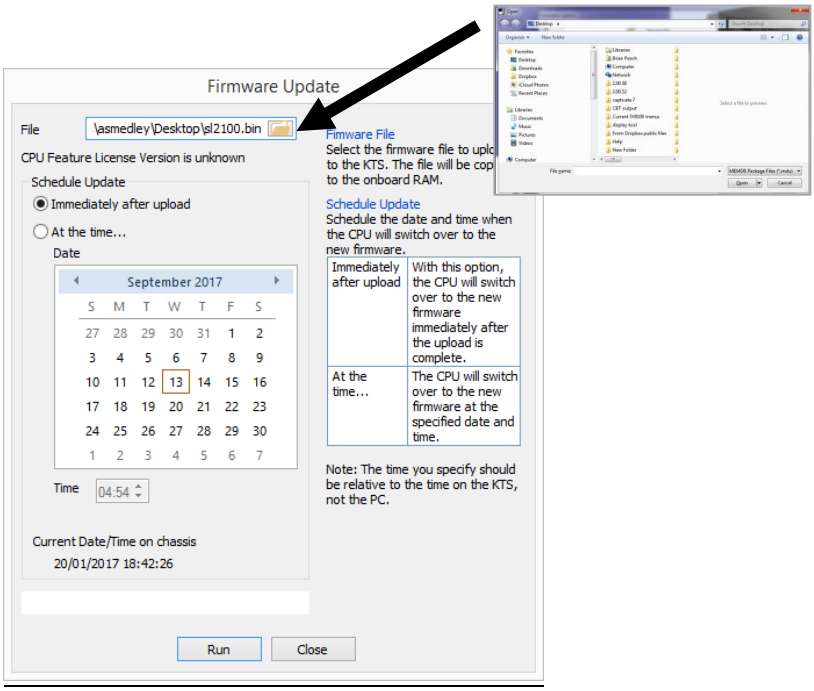
Depending on the changes in the software this may take several minutes (10-15) to come back up, please do not power off during start-up.

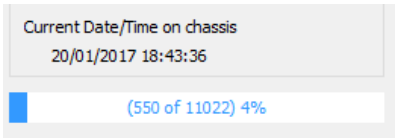
Via PcPro:

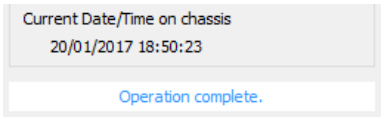
Connect to the system via PCPro in the normal manner, and from the ribbon bar select Upgrade SW

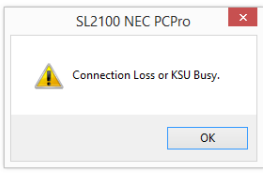


In the File box, select the bin file you created for the upgrade, then select when the upgrade should occur (immediately or the date specified). At this point the system will perform its normal upgrade cycle and reboot.









Confirms reboot
(Immediately only)

InApps after Main Software upgrade

From version SL2100 1.5 InApp files will remain in place and therefore not require re-installation after SL2100 main software upgrade.

5. FUNCTIONAL CHANGES

This version has no new functional changes, but is a very quick release for maintenance after the 2.30.04 software that contained Android PUSH notification for ST500.

6. SOLVED PROBLEMS

List of Solved Problems

Reference	Description
F190911001	**Send 480 Temporary unavailable instead of 487 request terminated when ring no answer exceeds 180 seconds**
	Send 480 Temporary unavailable instead of 487 request terminated when ring no answer exceeds 180 seconds. Enable via PCPRO only (to be released wc 21st Sep) PRG 84-39-01
F200824001	**InUC Browser Phone disconnecting**
	Problems with InUC Browser phone users disconnecting and then have to reconnect to the SL2100.

List of Solved Problems in Previous Releases

R2.20.02 Main Software

Reference	Description
F200408001	**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.

R2.20.00 Main Software

A number of Security fixes have been made plus:

Reference	Description
F190724002	**Intermediate Certificate not supported**
	SV9100 platform does not support use of intermediate certificates in the chain. Now corrected.

R2.00.09 Main Software

A number of Security fixes have been made plus:

Reference	Description
F191014002	**SL2100 sends a MIX of UDP and TCP in registration request**
	The SL2100 switches between UDP and TCP for outgoing call invites following the DNS Query. If the Transport layer is UDP the call routes correctly but if TCP is used then the call is rejected. When this happens Incoming and externals calls cannot be made. Corrected via use of CMD 84-39-35 set to 1.

R2.00.07 Main Software

A number of Security fixes have been made plus:

Reference	Description
F181031002	**Enabling/Disabling 84-33-01 forces SIP Trunk to unbind and re-register.**
	When you enable or disable T.38 fax in 84-33-01 for SIP Trunks it forces the SIP Carriers to re-register to the SIP Provider.
F180302001	**Toll restriction override problem**
	When using Toll Restriction and F-Route, SLT's can be barred on calls they should be allowed to make.
F190613001	**SL2100 reset with DT430 number store**
	System freezes and resets when a DT430 tries to store called number to an Abb dial.
F190621001	**MLT unable to call specific mobile number on ISDN**
	If the user makes a call to a mobile with an MLT, the system always sends a setup message with the "Speech" parameter and the call fails with some networks
F191212001	**SL2100 Resets when Browser Phone makes or receives call**
	On the SL2100 when the browser phone makes or receives a call and the call is connected, the SL2100 will reset.

R2.00.00 Main Software

A number of security fixes have been made in this version. It is strongly recommended to upgrade to this version.

Reference	Description
F171005002 / F171026006	**Increase the session ID on re-invite from SIP carrier when the SDP Header is not included.**
	SIP Carrier expecting SL2100 to increase the session ID following their re-invite without including the SDP Header but we respond with 200 ok session ID 0, therefore carrier drops the call.
F171005007	**SL2100 sends Busy tone when SIP Message 404 not found is sent by the SIP Carrier for outbound call.**
	When an outbound call is made to an number that is no longer in service or incorrect the SIP carrier sends 404 not found, the SV9100 then presents Busy tone, This is misleading. Need to send the SIP Out Of Range tone instead or Busy Tone.
F171026012	**Missing RTP on peer to peer calls on SIP Trunks**
	RTP missing from peer to peer calls on SIP Trunks
F171030005	**Setting 90-09 Item 3 resets the system**
	The value in 99-09-03 is read in as the hour not the day, and is causing a reset at that hour.
F171106001	**84-39-09 is not working as TAG should remain the same in both Invites**
	TAG remains the same for both the invite and re-invite if the call is made via an TDM handset but NOT if the call is made from an IP Terminal or IP DECT. The TAG in the re-invite for the outbound call is replaced by the TAG in the invite from the IP Terminal. The call then gets rejected by the SIP Carrier
F171110003	**Send authorization information in re-invite message to refresh session expiry for outbound call**
	With BT HSIPT SIP Trunk platform outgoing calls from SIP to PSTN disconnect at 450 seconds. This is because the BT Session expiry is set to 900 seconds and they expect us to send a re-invite including authentication either in the first invite or in the seconds invite following the 401 unauthorised.
F171219002	**Does not send initial invite message with auth header in case of TCP mode**
	SL2100 disconnects SIP Trunk call after auth acknowledgement
F180123003	**Problems with ISDN remote access Upload and Download**
	At 90% download a messages `connection loss` or `no response from KSU` is seen.
F180202001	**CLI on second call to IRG**
	When a second call comes into IRG and the members are on the phone the second call CLI is shown replacing the CLI of the 1st caller On the SV9100 cmmd 22-01-13 was added to toggle this on and off when cmmd 99-03-89 was set.This was missing from the SL2100

Reference	Description
F180215001	**Background Noise on IP Terminals**
	Background noise (white noise) is heard during internal or external calls on IP Terminals.
F180315002	**SL2100 Does not send CANCEL Request when call ended**
	If clear a call within 1 Second (immediately on-hook after off-hook) the system does not send a SIP CANCEL. The carrier proceeds the call and it will ring at the target, disregarding that the calling party is already on-hook
F180315003	**IP DECT Call History Enhancement**
	Problems with redialling numbers held in iSIP IP DECT handsets call history logs. resolved by sending an additional header Info-DirectIn2 that included the CLIP of the incoming number prefixed with the trunk access code from PRG10-02-05 (CID Edit trunk Access Code)
F180320002	**No CLI in Outgoing and Incoming Calls on analogue trunks**
	No CLI if Reason for absence of Calling Party Name has an unknown parameter included into “Reason for absence of Calling Party Name” field
F180426001	**Full number is not shown in redial list**
	Only 12 digits max in redial list
F180502003	**DT Terminal goes in to Power Save Mode on SL2100**
	Issue if a Terminal that is unplugged then is plugged back in goes to Power Save mode although there is no configuration for Power Save set up in the system.
F180702001	**SL2100-IP Terminal Echo and Accoustic issue with Analogue Trunk Lines**
	Echo when IP Terminal makes call via Analogue Trunk Lines
F180704002	**Call Cut Off on SIP Trunks**
	Call cut off occurred if T38 Fax relay turned on.
F180710001	**Beeping in the headset after answering doorphone calls with the headset lifter DX7NA-WHA-A1**
	If you answer a doorphone using the headset, after ending the call, about 1,5 seconds later, the headset seems to lift again.
F180711001	**ST500 TLS Outbound Calls (SL2100)**
	When making outbound calls from the ST500 client the ST500 Cancels the call after receiving the SDP payload from the PBX to negotiate the setup of the sRTP
F180717001	**Wrong Dialling Problem in UAE (SL2100)**
	Misdialling occurs on dialling handsfree
F181012001	**SL2100 sends `require Timer` as answer to an Invite where `Timer` is not mentioned as supported**
	If the SIP carrier sends a re-invite where `Timer` is not mentioned as supported then the SL2100 sends in the 200 OK a Header `Require: Timer` which causes the call to be disconnected by the carrier.

Reference	Description
F181024002	**Add extension number to Contact Header for iSIP & SIP Extension**
	Requirement is to include the extension number in the contact header from the invite from the SV9100 as below. Currently we send Contact: <sip:172.16.0.10:5070> but the requirement is to have an option to send Contact: <sip:201@172.16.0.10:5070>
F181108001	**When enabling NAPT mode for ST500 causes SIP Extension to stop receiving or making calls**
	enabling NAPT mode for ST500 (10-33-05) causes Local SIP Extension to stop receiving or making calls - Error SIP out of range.
F181205002	**Space added to number in Display Header**
	SL2100 sends a space to IP DECT, so CLI matching does not work.
F190225001	**System restart occurs if calls are directed to a VRS message**
	The call is configured as VRS to a welcome message. If the SL2100 is busy with two calls and a third call comes in and remains without anyone answering, after a minute or so the switch is blocked and reboots.
F190412001	**SL2100 InUC Browser phone voice media issue**
	After making a call (internal or external) error "Bad Media Description (200)" is shown. Closed Category: After upgrading the software, remove the browser cache memory to reload InUC components

Issue 2: Added F171110003

R1.50.00 Main Software

The following reported problems were solved with this upgrade:

Reference	Description
F171006002	**One way speech on SLT when included in step-on ring group and CLI enabled**
	When SLT extension has PRG 15-03-09 Caller ID External Module enabled and is in both first and second ring groups, if the call steps to second ring group and is answered by a different extension, the SLT will get one-way speech on all future outgoing (internal and external) calls until a new inbound call is made to the SLT
F171010001	**Uploading or recording a message onto the VRS causes distortion when played**
	When you upload the attached WAV file to the VRS It has distortion when played. Distortion can also be evident if greetings are recorded with FC 716 or on Voicemail messages left by callers.
F171027006	**Use of softkey /navigation keys In any language other than English**
	In any language other than English language it is not possible to go through all of the softkey / navigation keys without getting to a point where the user cannot proceed and has to go off hook/back on hook to clear the issue.
F171031001	**Missed calls not showing on UT880**
	When using v1.1.27, on the SL1x00, if you get a missed call, it doesn't show in the logs page. Inbound and Outbound show correctly. This only appears to be an issue on this version. Fixed with MLC versions 1.3.28 and 1.1.38 and this SL2100 version
F171205003	**Missed call fault when set to German Language**
	When the system is set to German the missed call log is incorrect. Correction of translation errors.
F171215001	**External paging chimes not working**
	If dial service code 8031 no chimes are played
F180404002	**Busy Lamp for MDG fault**
	Extension 201 and 216 are in MDG group Extension 200 has dss console with dss key for extension 201 DDI call to 201 extension 201 and 216 are ringing Caller hangs up the dss key for 201 stays lit
F171030002	**TCP/UDP ports for InDECTPro**
	Allow InDect to connect to the required ports.
F180207001	**System accidentally put into Power Cut mode**

Reference	Description
	There is a sleep mode on the SL2100 that kills each slot, except slot 01. If the system goes to sleep (power save) mode, the terminal should wake up with the off hook. This is not happening.
F180214001	**PcPro disconnects after a few minutes.**
	PcPro disconnects after a few minutes if you connect straight after boot up. If you connect when the system has been booted a while this does not happen.
F180404001	**Unable to blind transfer to Mobile Ext from TSP Application**
	We have an issue on a site running Mycalls Console, they have noticed that Blind Transfer to a Mobile Extension fails but all other Blind TRF work fine to other devices. When the call is TRF to the Mobile Extension it doesn`t ring Mobile Ext and the call disappears in the Mycalls Console but to the Outside Party they still hear ring back tone. When doing a supervised transfer it works, also when they they wait approx 1 second and then complete the transfer it works.
F180410001	**One way speech on IP terminals when call transfer with Virtual Extn DSS key**
	IP terminal has VE for another terminal with 15-02-21 set as DSS and 15-02-07 set as hold. IP terminal is in IRG. 1. IP terminal answers CO call 2. IP terminal presses VE for other extension 3. IP terminal presses transfer 4. other extension answers and clears CO call 5. next CO call answered on IP terminal has no speech

R1.05.03 Main Software

The following internally reported problems were solved with this upgrade:

Reference	Description
F171206001	**DIM Command pnum trk 001 Resets System**
	Open DIM and type; pnum trk 001 System will restart.
	SL2100 restarts upon receiving inbound `INVITE" / Incoming Calls
	SL2100 restarts when there is inbound call. Outbound call and OPTION message working fine.

R1.04.08 Main Software

The following internally reported problems were solved with this upgrade:

Reference	Description
	Reduced size of bin file
	The bin file has steadily grown through the versions, taking longer to upload to the CPU. The file size has been reduced.

R1.04.07 Main Software

The following externally reported problems were solved with this upgrade:

Reference	Description
F171027002	**ISDN remote access to 830 modem not working**
	Unable to connect to SL2100 for programming via DDI to 830.

R1.04.00 Main Software

The following externally reported problems were solved with this upgrade:

Reference	Description
A170823003	**Echo on Built in VoIP**
	Echo could be heard with Analogue Trunks and I extensions.
No ref	**Unable to upgrade Via PCpro**
	Before 1,04.00 it was necessary to use Webpro to upgrade as PCPro came up with a memory error message
A170803003	**Problem Reading License with TcpComPro.dll**
	Caused MyCalls to fail reading SL2100 licenses.
A170823004	**Lua Ports Blocked by O/S**
	A problem has been identified where the ports used by InApps are blocked that prevent InReports and InHotel from running.
A170808005	**Application Manager is using an old version**
	Application Manager on SL2100 nto in line with version on SV9100

7. KNOWN PROBLEMS

None

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.

No new security fixes in this version

9. MATERIALS

Physical Distribution

N/A

On-line Distribution

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