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**NEC**

# Release Note

## DAP Controller 6.6.7.1394

**FCO 2020.020**

**System** : Business Mobility IP DECT  
**Date** : 30 April 2020  
**Category** : General Release  
**Product Identity** : DAP Controller 6.6.7.1394

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## 1 IDENTIFICATION

This Release Note gives information about maintenance release **6.6.7.1394** of the DAP Controller, which is the successor of release 6.6.3.1056.

SWU date of this release is: **June 2017**, which is the same for the associated 6.6 DAP firmware. Note that new license may be required when upgrading from 6.4 or older.

This release is valid for the following IP DECT protocols:

- **ISIP** for G566, G577 and i766 on SV9100 and SL2100.
- **SIP** e.g. for Sip@Net, SV9100, SL2100, 3C and 3<sup>rd</sup> party SIP
- **Protims** for SV9300 and SV8300
- **Protims** for SV9500 and SV8500

These variants are included in this release:

- DAP Controller 6.6.7.1394-NEC (NA)
- DAP Controller 6.6.7.1394-NEC (NA Lite)  
The NA version is for North America and is the ONLY version that may be deployed in North America for regulatory compliance reasons.
- DAP Controller 6.6.7.1394-NEC (SC)
- DAP Controller 6.6.7.1394-NEC (SC Lite)  
The Specific Channels version is for the following specifically named countries: Egypt, Taiwan, Thailand, Philippines, Brazil, Uruguay and remaining LATAM countries where DECT has been approved and released by NEC.
- DAP Controller 6.6.7.1394-NEC (INT)
- DAP Controller 6.6.7.1394-NEC (INT Lite)  
The INT version is for Europe and all other countries where DECT has been approved and released by NEC except for the countries covered by the NA or SC versions as detailed above.

The main components incorporated into this DAP Controller release are:

- DAP Configurator
- DAP Manager
- DAP Sync Analyzer
- DAP Viewer

Associated DAP Firmware:

	<u>AP200/AP300</u>	<u>AP400</u>
Loader	n.a.	49920517
SIP	4910b666	4920b666
SV8300/SV9300	4910a666	4920a666
SV8500/SV9500	4910d666	4920d666

**Note:**

*Before upgrading to this release, first read the IP DECT InstallationGuide-R6.6.7*

## 2 ASSOCIATED PRODUCTS

Specific configurations and settings required for associated products can be found in the IP DECT InstallationGuide-R6.6.7.

### 2.1 DECT Performance Analyzer

It is advised to use the DECT Performance Analyzer version 1.40.1051 (or higher) since these versions are also compatible with the functionality in release 6.6.7.

## 2.2 Central Directory Connector

It is advised to use the IP DECT CDA Connector version 1.00.1914 (or higher), the successor of the CDA tool (eol), since these versions are also compatible with the functionality in release 6.6.7.

## 2.3 DECT Messaging and Location Server (DMLS)

It is advised to use the DMLS version 4.00.0991 (or higher) since this version is also compatible with the functionality in release 6.6.7.

## 2.4 DECT Handset Configurator

It is advised to use the latest release of the DECT Handset Configurator (version 4.3.1 or higher) supporting all current handset models and programming options.

# 3 COMPATIBILITY

## 3.1 Compatibility with Operating Systems

This release of the DAP Controller is supported on the following Operating Systems and Browsers:

- Windows 10 Professional/Enterprise (64 bit)
- Windows 8.1 (64 bits) Enterprise
- Windows 2012 Server (R2-SP1 64 bit)
- Windows 2016 Server (Standard 64 bit)
- Windows 2016 Server (Datacenter 64 bit)
- Windows 2019 Server (Standard 64 bit)
- Windows 2019 Server (Datacenter 64 bit)
- Internet Explorer 11 (IE11)
- Microsoft Edge
- Google Chrome (Release 61.0 or higher)
- Firefox (Release 56.0 or higher)

**Note:** *Win 7, Win 2008SP2, Win 2008 R2-SP1 and Win 2012 are not supported. IE9 and IE10 are no longer supported or updated by MS on latest OS platforms*  
**Install all Windows security updates before installing / upgrading the DAP Controller software**

## 3.2 Compatibility with DECT Access Points (DAPs)

When upgrading the DAP Controller to release 6.6.7.1394 it is required to upgrade the AP400 firmware to release:

- 4920a666 for IP DECT in combination Protims for SV9300 and SV8300
- 4920b666 for IP DECT in combination with **SIP/iSIP** for Sip@Net, SV9100, SL2100, 3C and 3<sup>rd</sup> part SIP
- 4920d666 for IP DECT in combination Protims for SV9500 and SV8500

When upgrading the DAP Controller to release 6.6.7.1394 it is required to upgrade the AP200/AP300 firmware to release:

- 4910a666 for IP DECT in combination Protims for SV9300 and SV8300
- 4910b666 for IP DECT in combination with **SIP/iSIP** for Sip@Net, SV9100, SL2100, 3C and 3<sup>rd</sup> part SIP
- 4910d666 for IP DECT in combination Protims for SV9500 and SV8500

## 3.3 Compatibility with DECT handsets

Check at BusinessNet the "Supported Releases overview" for the supported handsets types and handset firmware for this release of the DAP Controller. DAP Controller 6.6.7.1394 has only been tested with the latest released handset firmware release. It is advised to use the latest firmware release in the handsets.

## 4 UPGRADE INSTRUCTIONS

Follow the instructions given in the IP DECT Installation Guide.

Before starting with the DAP Controller upgrade, it is recommended to delete the browser history at the DAP Controller server / PC.

Note that upgrade from releases earlier than release 5.20 have not been tested, or may not be supported as a direct upgrade path. It is advised to upgrade to release 6.4 first, as an intermediate step, and then upgrade to release 6.6.7.1394.

After the installation of this version, upgrade the DAP firmware to the current released version coupled to this release note – see section 3.2

### 4.1 Very Large System (VLS)

Deployment and use of DAP Controller 6.6.7 for a VLS system should not be attempted without prior project scoping and agreement in coordination with NEC Technical Services at NEC in Hilversum.

Normally this requires a Risk Assessment Procedure to be completed.

Consult NEC Technical Services for clarification as needed.

### 4.2 Possible Upgrade issues

The file permission settings assigned to any given account used for login and installation in MS WinServerOS *may block* some actions, such as writing to specific directories. Any directory accessed by the DAP Controller and peripheral software and applications must be available as read/write.

More info can be found on the MS TechNet

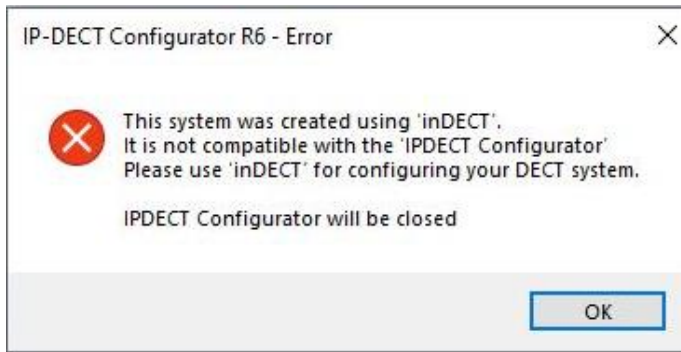
@ <https://technet.microsoft.com/en-us/windows>

## 5 FUNCTIONAL CHANGES

The Following functional changes are introduced:

### 5.1 New

- Add the following parameters to the handset settings in the DAP Configurator:
  - Enhanced Standard SIP Handset Operation
  - Enhanced iSIP Handset Operation
  - iSIP Handset Name Display from PBX
- Call reject supported for iSIP (via DND key)
- PARK key can now also be at a virtual position Refer to iSIP User Guide
- VE\_tac parameter added (See also IP DECT InstallationGuide-R6.6.7)
- DAP firmware added to installation zip file
- IP-DECT documentation added to installation zip file
- Interworking with Bluetooth Locators (first phase functionality, staff safety), project based only
- Call forwarding indication on DECT Handset display for SV9330, SV9500 and SIP@Net\*
- Make it possible to configure and use username and password for DAP web access
- Windows 2019 server support
- “Collect printf output” files of DAP’s from Troubleshooting page in the DAP Manager
- “Download all the save information files” of DAP’s from Troubleshooting page in the DAP Manager
- DAP Configurator will refuse to start up when an InDECT system is detected in the same network



- New AP400 LED status
  - LED status in case of error

LED Status (Top LED)	Meaning
Blue	Collecting diagnostic information after an error situation
LED Status (Lower LED)	Meaning
Blue	Software exception
Magenta	Watchdog reset

**\*Note:**

Only applicable for x66 and x77 handsets with firmware release 02.01B000x or higher.

## 5.2 Changed or Removed

- Compatibility of DAP Lite Configurator with InDECT
- Change default for iSIP\_return\_to\_idle\_time to 3
- Return 603 iso 480 for 3C on call reject
- Improve callerslist for std SIP and iSIP (for call transfer)\*
- Improve the name/number display on the handset for std SIP and iSIP
- Simplified “Proxy IP configuration” tab in the DAP Configurator
- Extended searching and filtering in the DAP Manager
- Initial (new) installation of the DAP Controller software is only possible from a local folder.

### \*Note:

Only applicable for x66 and x77 handsets with firmware release 02.01B000x or higher.

## 6 COMPATIBILITY DAP LITE

### 6.1 DAP Lite Downgrade after upgrade.

A DAP Lite system that has been upgraded (or created) with the DAP Firmware of R6.67 can only be downgraded to earlier releases under the following conditions:

- Maximum 50 subscriptions and 16 DAPs
- All RPNs are in the range 00-0F
- The DAP firmware is at least 49x0b661.dwl

**Under all other conditions the subscriptions will/could be lost.**

**Note:** Downgrade to R6.4 or older is not supported.

### 6.2 Upgrading DAP Lite

Upgrading is possible from 49x0b650.dwl and higher official releases.

Upgrading from older releases has not been tested.

## 7 KNOWN PROBLEMS

### 7.1 Windows IE

A page display issue of the DAP Manager can occasionally occur when using IE and may require some changes to default cookie settings.

When starting the DAP Manager, IE may indicate a *CDS error* and fail to load the page.

Alternatively use another browser and type the URL *http://localhost/cds/*

When the error occurs, a list of actions is displayed by the browser page, which should be followed.

Additionally the following can be applied.

To adjust the cookie settings for proper loading of page using IE verify the following settings:

1. From Menu: Select *Tools/InternetOptions*
2. Select *Security/Trusted Sites*
  - a. Add the DAP Manager URL as *trusted site* : **http://localhost**
3. Select *Privacy/Advanced*
4. Ensure the following settings are applied in IE:
  - i. First Party Cookies Accept
  - ii. Third Party Cookies ( Block/Accept)
  - iii. **Allow** Session cookies
  - iv. Set *Pop-up Blocker* OFF in *Privacy*

### 7.2 DAP Viewer

The DAP Viewer doesn't work on 32 bit Windows platforms.

### 7.3 DAP Configurator

It is prohibited to use a “ + “ sign in the System name of the General Settings tab.

## 8 SOLVED PROBLEMS

### 8.1 List of Solved Problems

The following reported problems are solved with this upgrade:

Reference	External Reference	Sales Channel
69728		AU
69968		NL
70034		NL
71278		SP
71310		NL
71553		DE
71572		NL
71712		UK
71962		NL
72015		NL
73377		FR
73637		CH

### 8.2 Description of Solved Problems

#### DAP Controller:

ITE-69968 Username field max 20 characters

ITE-71278 DAP Manager is not yet operational

ITE-71712 DAP manager not working

ITE-71962 DAP Viewer closed when click Help - About

ITE-72015 Problem with subscription of DECT handset, no pin generated on webpage.

ITE-73637 Error since Update SIP-DECT on release 6.6.3

#### AP400:

ITE-69728 AP400 not coming online

ITE-70034 AP400 reboots and freezes

ITE-71310 Status problem i766

ITE-71553 [[IPDECT] #1708] DAPs fell asleep - DAPs are rebooted when a call is established from a Handset that have a name starting with a space

ITE-71572 Special Char shown as \ in handset display

ITE-73377 DAP FW to be removed manually before used with InDECT

## 9 MATERIALS

The Release Note (FCO) and applicable software can be downloaded from the software database on BusinessNet. The various relevant manuals can also be found on BusinessNet

BusinessNet URL: <http://businessnet.nec-enterprise.com>



## 10 APPENDIX A: THIRD PARTY SOFTWARE

### 10.1 SRTP

For SRTP the libSRTP library version 1.4.4 is applied. The following license text is applicable to the SRTP library:

The srtp library and the test drivers distributed with it are licensed under the following BSD-based license.

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### 10.2 TLS

For TLS the OpenSSL library version OpenSSL 1.0.2k is applied. The following text is applicable to the open SSL library:

OpenSSL License:

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This product includes cryptographic software written by Eric Young ([eay@cryptsoft.com](mailto:eay@cryptsoft.com)). This product includes software written by Tim Hudson ([tjh@cryptsoft.com](mailto:tjh@cryptsoft.com)).

Original SSLeay License Copyright (C) 1995-1998 Eric Young ([eay@cryptsoft.com](mailto:eay@cryptsoft.com)) All rights reserved.

This package is an SSL implementation written by Eric Young ([eay@cryptsoft.com](mailto:eay@cryptsoft.com)). The implementation was written so as to conform with Netscape's SSL. This library is free for commercial and non-commercial use, as long as the following conditions are adhered to. The following conditions apply to all code found in this distribution, be it the RC4, RSA, lhash, DES, etc., code; not just the SSL code.

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