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## **NovaTec release information firmware 00.07.00.63**

- 1 Bug fixes included in this release**
- 1.1 New features**
- 2 Known Issues**

### **1. Below is a list of bug fixes that have been resolved in this release**

A problem with synchronisation over RTP for the NLP mode has been fixed. This change avoids bit errors on the ISDN in long term tests above 13 hours loop test.

When using all 4 VoIP channels on a S3 at the same time it could happen that there are bit errors in one of the 4 channels.

A problem with interfaces in NLP master mode is now solved. The synchronisation has been corrected for the case that synchronization used the RTP stream.

### **2. New features**

Together with NMP version 6.5 the firmware supports Call-Home fallback to a second NMS. This means if the first NMS is not reachable, then the second will be called after a timeout of ca. 10-20 minutes. The firmware is compatible to older NMP versions but with older versions only one NMS can be addressed.

For NLP driven interfaces it is now possible to change the backplane-ID in the configuration without restarting the target system.

The SIP TLS configuration has been improved. The TLS flags for SIP can now be set under "NovaTec-System/System IP options/TLS security". Previously this flags were edited under "NIP (NovaTec Internet Pathfinder)/SIP (VoIP)/SIP general settings/Optional flags 2". This feature requires NMP 6.5.



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### 3. Known issues

Call forwarding busy on the S3 is not working if it is activated from the ISDN or analogue phone. The locally forwarded call from the S3 is rejected from CUCM with "Busy here". But the destination of the call has got no active call. The problem is caused by the "Busy trigger " in the CUCM configuration for the S3. As a work around call forwarding busy can be activated in the CUCM configuration.

After a reconfiguration of a target system (this means the target system is reconfigured without doing a reset), the target system stops sending the Call-Home-Events "Trace Warning" and "Trace Error". The problem exists in all previous firmware versions.

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**NovaTec Kommunikationstechnik GmbH**



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## **NovaTec release information firmware 00.07.00.55**

- 1 Bug fixes included in this release**
- 1.1 New features**
- 3 Known Issues**

### **1. Below is a list of bug fixes that have been resolved in this release**

On the S3 it could happen that layer 2 on ISDN ports was unstable. This lead to the problem that existing calls were cancelled or that it was not possible to establish new calls. **With older firmware versions than 00.06.07.02 the problem can occur occasionally or permanently. Therefore we strongly recommend to update to this version even if a target system runs without any problems. Only S3 systems are affected by this problem.**

The Call-Home-Events L1-Activation and L1-Deactivation will not be sent for BCU, SCU and analogue interfaces. This was the case with previous firmware versions and lead to the problem that each time a call was made over a VoIP or analogue interface the events L1-Activation and L1-Deactivation were sent on the beginning and end of the call.

CDRs of analogue and SIP calls were only saved if the call data profile was configured to save CDRs for calls made from extern to extern even if the call was an internal call. The problem is solved.

For data calls a possible data loss is now fixed. It could happen that data in the b-channel was recognized as a DTMF tone and was then sent out as a DTMF sign in the RTP stream (telephone-event). Therefore this data was lost and the data stream was interrupted. The problem existed on the S3 only. It was especially recognised with V22bis modem connections.

If a S3 was connected to the CUCM using a SIP trunk, the calling number sent in the INVITE for the forwarded call was wrong. Instead of sending the original calling party number the S3 did sent the redirecting number as the calling party number. The problem is solved.

An attempt to perform a blind call transfer will now be rejected. Previously the system tried to process the blind call transfer even so the feature is not implemented. This lead to dead calls after the call transfer.



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If the SIP registration of a system failed again and again (e.g. due to a wrong configuration of the system and the registrar), then the system crashed after approx. 5 minutes. The problem is solved.

A problem with call forwarding on no reply on analogue interfaces has been fixed. The problem was that the call has been forwarded in every case even if the call was answered. In this case after some time after answering the call, the system tried to forward it even if the call was already active. The forwarding fails (because the call is already active) and the call is cancelled because the system thinks that an error has occurred.

## **2. New features**

High-precision quartz as an alternative to GPS synchronisation.

This firmware version supports the new S3 and BCU board versions which have a high-precision quartz installed instead of a GPS module. It can be used in installations where receiving or installing GPS is not possible. The high-precision quartz is not present on standard S3s or BCU boards. It is an optional extension which can be ordered if required.

## **3. Known issues**

Call forwarding busy on the S3 is not working if it is activated from the ISDN or analogue phone. The locally forwarded call from the S3 is rejected from CUCM with "Busy here". But the destination of the call has got no active call. The problem is caused by the "Busy trigger" in the CUCM configuration for the S3. As a work around call forwarding busy can be activated in the CUCM configuration.

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## **NovaTec release information firmware 00.07.00.45**

<b>1</b>	<b>Bug fixes included in this release</b>
<b>1.1</b>	<b>New features</b>
<b>4</b>	<b>Known Issues</b>

### **1. Below is a list of bug fixes that have been resolved in this release**

Previous versions of the firmware did not support message segmentation. Therefore SIP messages could not be longer than 1400 bytes. The problem has been solved.

The SIP-Message “Not found” is now mapped to the ISDN cause 1 “unallocated number”. Before the message was erroneously mapped to ISDN cause 34 “no channel available”.

On activation or deactivation of call forwarding on an ISDN bus the S3/S6 will now send an ActivationStatusNotificationDiv or DeactivationStatusNotificationDiv message according to the standard ETSI ETS 300 207-1. Before the messages were not sent. This caused the problem that some ISDN devices did not recognize that the activation or deactivation of call forwarding was successful and therefore showed to the user that the activation or deactivation failed. NovaTec knows that for example the Siemens Gigaset and TIPTTEL 290 D ISDN phones require the messages to function properly.

In a SIP OK message it could be that the field “transport=tcp” was sent by S3 or S6 in the contact field, even if the SIP session used a UDP connection. The problem is solved. We did not encounter any negative effects caused by this bug.

### **2. New features**

TLS and sRTP support.

NovaTec systems now support TLS and sRTP. The feature is supported between NovaTec equipment and in interworking scenarios with CUCM 7.1.3. A new application called TracelInfo CA is required to create and sign TLS certificates. The tool is not part of the NovaTec Maintenance Package and needs to be purchased separately.



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### **3. Known issues**

Call forwarding busy on the S3 is not working if it is activated from the ISDN or analogue phone. The locally forwarded call from the S3 is rejected from CUCM with "Busy here". But the destination of the call has got no active call. The problem is caused by the "Busy trigger " in the CUCM configuration for the S3. As a work around call forwarding busy can be activated in the CUCM configuration.

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**NovaTec Kommunikationstechnik GmbH**