Release Note NRSW 3.8.0.102

Project Name: NRSW 3.8

Abstract:

This document represents the release note for NetModule Router Software 3.8.0.102. It informs on new functionality, corrections and known issues of the current software version of NetModule's router series.

Keywords:

NetModule, Software Development, NRSW, Release Note

Document Control:

Document:

Version	1.0
File	NRSW-RN-3.8.0.102
Status	Valid

Creation:

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Review	Stefan Schlosser

Approval

Role	Name
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1 Release Information

NetModule Router Software:

Version:	**3.8.0.102**
Date:	**August 04, 2015**

Supported Hardware:

NetModule Router	Hardware Version
NB1600	V1.0 - V3.3
NB2700	V1.0 - V2.7
NB2710	V1.0 - V2.7
NB3700	V2.0 - V4.3
NB3710	V2.0 - V4.3
NB3720	V2.0 - V4.3

Unsupported Hardware:

NetModule Router
NB1310
NB22XX
NB23XX
NB25XX
NB26XX

2 New Features

Case-#	Description
39521	**OpenVPN Upgrade** OpenVPN has been upgraded to 2.3.7. This version is able to run connections with cipher none again.
38808	**New IPsec Algorithms** The encryption algorithm AES192 (for phase 1) and the authentication algorithm SHA2-256 (for phase 2) are now supported.
39103 **39188** **38166** **39182**	**New GUI Features** Within the GUI it is now possible to query the latest software version available at our FTP server. It can be also queried by running `update software latest -v` in the CLI. The TOS value for QoS services can be specified numerically now, we further added redundancy events to figure out the current VRRP master/slave state. The GUI will now throw a warning when using an SSL connection and the CA is not trusted. Trusted certificate authorities can be uploaded in the certificate section. In case the GUI is embedded in an other GUI application or if GUI ports are NATed, the user may consider setting `http.embed=1` to make page redirection work properly.
37453	**Enhancements for RS485 Module** The RS485 extension port has received a larger ring buffer and one can also turn the hardware flow control on or off now.
39021	**Multicast Upstream Interface** It is now possible to configure now any interface as upstream interface for the IGMP proxy.
39152	**Digital Input Port Measurement** It is now possible to measure the number of toggles of an digital input port. They can be counted by the SDK function `nb_dio_count`.

3 Fixes

The following issues and problems have been fixed.

Case-#	Description
39104 **39144** **39312** **39095**	**GPS Issues** It appeared that the GPS daemon failed to initialize its device and in some cases the NMEA stream stopped after a couple of hours. These issues have been fixed. The GPS signal is now also monitored and we restart the daemon after 10 minutes without a valid fix.
38412	**Increased Voice Volume** The volume level for voice calls has been adapted, especially the higher levels will appear louder now.
39475	**No SMS Delivery** In very rare cases it appeared that the SMS daemon stopped delivering messages but recovered properly after a restart. The issue has been fixed.
39480	**GSM-Only When Selecting Network** The Huawei ME909 resided in GSM (2G) if bound to a specific network LAI. This has been fixed.
37351	**CSD Dial-In** We have applied some fixes for the Dial-In server. The modems Option GTM6xx, Huawei EM770, EM820 and MU609 have been verified.

4 Known Issues

Items listed here represent minor problems known at release time. These issues are going to be resolved in a later version.

Case-#	Description
37225	**USSD on Huawei EM770/EM820** It is currently not possible to issue USSD queries on Huawei EM770/EM820.
32507	**No VRRP on Bridged Interfaces** Running VRRP over bridged interfaces is currently not possible.
36992	**No SMS Delivery Reports** SMS delivery reports are currently not possible with Option GTM661/GTM671, Huawei EM820 and Sierra MC7710.

5 Pitfalls

Items listed as pitfalls are potential problems that may arise because of specific environmental conditions. There are currently no fixes planned for these issues.

Case-#	Description

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7 Change History

Version	Date	Name	Reason
1.0	2015-08-04	hess	Release

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