Release Note NRSW 3.8.0.104

Project Name: NRSW 3.8

Abstract:

This document represents the release note for NetModule Router Software 3.8.0.104. It informs on new functionality, corrections and known issues of the current software version of NetModule's router series.

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1 Release Information

NetModule Router Software:

Version:	**3.8.0.104**
Date:	**January 29, 2016**

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
38412	**Increased Volume for Voice Calls** It is now possible to further increase the volume level for voice calls.
40794	**Multicast Downstream Interfaces** We have added support for setting up multiple downstream interfaces for the IGMP proxy.
40520	**GPS Supervision** Supervising the GPS service can be configured now more precisely via the Web Manager.

3 Fixes

The following issues and problems have been fixed.

Case-#	Description
41161	**SSID With Whitespaces** The Web Manager ran into an issue if the SSID for a WLAN client contained whitespaces. This has been fixed.
41139	**WWAN Network Scan** The Web Manager did not display scanned WWAN networks properly. This has been fixed.
41086 **40574**	**Time Issues** chronyd will now update the real time clock if the initial time synchronization failed. We have further upgraded ntpdate to version 4.2.8p2 to bypass any compatibility issues with Microsoft time servers.
40742	**Forwarding with Extended Routes** Using extended routes to forward packets to a specific interface failed under some circumstances. This has been fixed.
41047	**No SNMP WWAN Information** The nbWwanTable did not provide all SNMP information about the modem status.
39835 **40197**	**Access to Hosts in Same Private APN** Modems in Direct IP mode usually require a subnet for setting up the CDC Ethernet interface. However, this potentially broke communication with other hosts in a private APN which held one of these subnet addresses. This has been resolved.
41072 **40912**	**Dialing of WAN Links** In very rare cases a switchover link has not been dialed. This has been fixed. Further, a link will be established despite of any misconfigured nameservers.
40824	**Higher Priority for Surveyor** We have assigned a higher scheduling priority for the surveyor daemon which guarantees a valid operation also under high load.
41108 **38465**	**WLAN Access-Point Configuration** It happened that the available WLAN channels for a second WLAN module have not been detected properly. This has been fixed. We have also added the possibility to specify the bandwidth and configure CCMP-only for 802.11n networks.
40925	**Preferred Service Type on Huawei MU609** The settings for the preferred service type G2-only on a Huawei MU609 were not correct. This has been fixed.
40931	**IPsec NAT Address** Any configured NAT address for IPsec networks has not been set properly. This has been fixed.
41314	**OpenVPN Expert Mode File** If an OpenVPN client was configured using an expert mode file and the root certificate authority was not created in advance, the generation of the expert mode file for this tunnel failed. This has been fixed.
41371	**Reboot After Multiple Failed Dial Attempts** After a bunch of failed dial attempts with a Huawei MU609 the system may have rebooted sporadically. This has been fixed.
40928	**No Bootup on NB3700** We have eliminated a bootup failure which might have happened on certain versions of NB3700.
41128	**Security Audit USB Autorun** A security audit on the USB Autorun feature concluded that the procedure can be considered secure. Any potential dictionary attacks are now blocked at a very early stage. We nevertheless encourage customers to use strong passwords.

4 Known Issues

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

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

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

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