

# Release Note NRSW 3.7.0.104

**Project Name:** NRSW 3.7

## **Abstract:**

This document represents the release note for NetModule Router Software 3.7.0.104. 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:**

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## 1 Release Information

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### NetModule Router Software:

Version: **3.7.0.104**  
Date: **January 28, 2015**

### Supported Hardware:

<b>NetModule Router</b>	<b>Hardware Version</b>
NB1600	V1.0 - V3.1
NB2700	V1.0 - V2.4
NB3700	V2.0 - V4.3

### Unsupported Hardware:

**NetModule Router**  
NB1310  
NB22XX  
NB23XX  
NB25XX  
NB26XX

## 2 New Features

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Case-#	Description
<b>37005</b>	<b>Support for Huawei MU609</b> The Huawei MU609 modem is now supported.
<b>36290</b>	<b>USSD Codes via CLI</b> The CLI is now able to send/query USSD codes. For instance, one may query the first modem by running: <code>cli send ussd 0 "*100#"</code>
<b>36423</b>	<b>SNMP Admin Access</b> For SNMPv1/v2, it is now possible to specify a whole subnet rather than just a host which will be privileged for administrative access.
<b>37120</b>	<b>SDK Events</b> We have added an <code>nb_event_msg</code> function which is able to retrieve additional options for an event.
<b>37158</b>	<b>DHCP Hostname</b> The GUI status pages are now listing the hostname of DHCP clients (if provided).

### 3 Fixes

The following issues and problems have been fixed.

Case-#	Description
<b>33252</b>	<b>WLAN Chip Reset</b> We have fixed a patch for the Atheros WLAN driver which addresses an issue when stopping the transmit hardware queues upon a reset. The WLAN connection should come back much faster now, it also makes the reset process much more reliable. Thus, this fix will also increase WLAN throughput in general.
<b>36774</b>	<b>OpenVPN Denial-Of-Service (TLS)</b> According to <a href="#">this</a> announcement, a TLS-enabled OpenVPN server faces a denial of service vulnerability in versions up to 2.3.5. This has been fixed.
<b>34251</b>	<b>Faulty OpenVPN Config Conversion</b> When upgrading from NRSW 3.6 to 3.7, it may have happened that OpenVPN's internal datagram fragmentation got enabled for clients, which in turn broke tunnel connections with servers that did not support this. The issue has been resolved.
<b>36303</b>	<b>SDK Configuration Fails</b> The <code>nb_config_set</code> function may have failed in case of too long config requests. This has been fixed.
<b>35373</b> <b>36342</b> <b>37108</b>	<b>SDK Filesystem Issues</b> Under some special circumstances, an SDK script was not able to access all paths of the filesystem. We also fixed a memory corruption bug which lead to the exhaustion of the <code>/tmp</code> filesystem.
<b>36314</b>	<b>SDK PUT Transfers</b> The <code>nb_transfer_put</code> function failed for uploads larger than 2048 bytes. This has been fixed.
<b>36805</b>	<b>Link Supervision Fails</b> It may have happened that link supervision bailed out in case the interface was flooded with packets. The system will now wait for up to 10 packets until a valid ICMP reply will be received.
<b>36886</b>	<b>Connection Issues with MC7710</b> In very rare cases, establishment of a WWAN link with MC7710 was aborted too early which lead to superfluous redial attempts. This issue has been tracked down.
<b>36507</b>	<b>Overlapping Networks in IPsec Tunnel</b> It appeared that access to the box was blocked if the remote subnet of an IPsec tunnel included the local subnet, which is possible now.
<b>36507</b>	<b>WLAN Regulatory Database Updated</b> We have updated the regulatory database which defines the channels and transmit power for WLAN access points. The changes include: <ul style="list-style-type: none"> <li>•added rules for YT, VI, UG, SR, RE, PY, PF, NI, MW, MU, MQ, MP, MN, KY, GP, GF, ET, CX, BS, AS</li> <li>•added 5490-5710 MHz for BG</li> <li>•added 5825 MHz for KR</li> </ul>

## 4 Known Issues

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

Case-#	Description
<b>37225</b>	<b>USSD on Huawei EM770/EM820</b> It is currently not possible to issue USSD queries on Huawei EM770/EM820.

## 5 Pitfalls

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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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## 6 OSS Notice

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## 7 Change History

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Changes:

Version	Date	Name	Reason
1.0	2015-01-28	hess	Release
1.1	2014-10-29	hess	Added OSS Notice

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