Software Release Notes

Version 2.0.00672001

General Availability Release

December 2020

Version 2.0.00672001

Contents

1. Introduction

The Aprisa LTE software release 2.0.00672001 is a general availability release for all customers.

Introduction   The previous Aprisa LTE software version release relevant to this release is:

Software Version	Release Date
1.0.00380001	12th June 2020

This release of Aprisa LTE software is:

Software Version	Release Date
2.0.00672001	4th December 2020

This document covers the new features, product enhancements, and bug fixes since Aprisa LTE software version 1.0.00380001.

2. Released Files

Release Files HTTP/S   The following is a list of files released for download via HTTP/S or via CLI (SSH) of Aprisa LTE Software Version 2.0.00672001. The Software pack file is used with SuperVisor > Software > File Transfer > HTTP/S method or with CLI (SSH) copy command method (see User Manual 'CLI Software Upgrade Method') to transfer the software to the radio.

File Name	File Function
AprisaLTE-2.0.00672001-update.4nu	LTE software upgrade file
AprisaLTE-2.0.00672001-update.sha1	Checksum file to validate the software

3. New Features

New EM7455 LTE Module (Anterix) Support	New EM7455 Cat 6 LTE Module support has been added to the LTE with bands of B1, B2, B3, B4, B5, B7, B12, B13, B20, B25, B26, B29, B30, B41. This module can be used for AT&T, Verizon and Anterix.
New BGP and NHRP Dynamic Routing Protocols	Dynamic Routing Protocols configuration support has been added to the Aprisa LTE using the Command Line Interface (CLI). This support includes primary dynamic routing protocols such as BGP and NHRP. It also interoperates with other routers such as Cisco and Juniper.
New DMVPN Support	Dynamic Multipoint Virtual Private Network (DMVPN) using multipoint GRE (mGRE), IPsec, and NHRP with dynamic routing protocol of BGP support has been added to the Aprisa LTE. DMVPN configuration has been added to the CLI.
New SNMPv3 Trap Support	Support has been added for SNMP traps to be sent with the more secure SNMPv3 protocol.
New QoS / Traffic Management Functionality	New Traffic Management / QoS functionality has been added, including a scheduler, shaping, L2 QoS (classification and priority, etc). This is currently available only via config file but will be added to CLI and SuperVisor in future releases.
New VLAN Functionality	A new VLAN / QinQ (double VLAN) functionality has been added, including the support of VLANs over GRE, and VLAN assigned to Terminal Server (TS).
New Sleep Mode Controlled by Power Input Voltage Hysteresis	A new low power 'sleep mode' (shutdown) using power input voltage hysteresis has been added to the LTE (SuperVisor: Service > Power Management) to reduce power consumption. When the power input voltage crosses a minimum input OFF voltage threshold, the device is put into a low power mode. When the power input voltage crosses a minimum input ON voltage threshold, the device wakes up. The main CPU, Ethernet, SFP, WiFi, Cellular, and serial ports are all shut down.

Ignition Sense Schedule Power On/Off	When Aprisa LTE installed in vehicle, it is useful for work force mobility to work in remote site and continuously connect to the network for a user configurable duration time when vehicle ignition switch is off.
	When ignition mode is enabled (SuperVisor: Service > Power Management) the Aprisa LTE will be power On/Off based on schedule on/off delay time when the ignition sense input pin is active/inactive, respectively.
New Hardware Reset Event Action	A new user 'Hardware Reset' event action has been added to the Aprisa LTE. This allows remote devices to attempt automatic recovery by restarting whenever a user configurable alarm(s) condition is detected.
	A reset will start after 3 minutes if after every reboot the alarm is not persistent for the current countdown timer to reset window, and it will double the countdown timer to reset if the alarm is persistent after every reboot. If during the countdown to reset the configured trigger alarm is change state from active to inactive the countdown will stop and it will resume if the alarm is active again during the countdown to reset window, otherwise the countdown to reset will start from fresh. The countdown timer will be shown in the event history log every time the configured trigger assigned for 'Hardware Reset' is active.
	This change includes multi profiles and alarm map support on the event action page.
New Monitored Parameters	New monitored parameters have been added to the LTE: • Serial interface statistics parameters • Cellular interface statistics and diagnostic parameters
New LED Functionality	New LED functionality has been added to the LTE – see Aprisa LTE User Manual 2.0 > LED Indicators section.
	Issue #LTE-90
New Tamper Module Support	An optional tamper module can now be ordered with the LTE. This device prevents unauthorized LTE operation and access to stored information.
	If a tamper is detected, this device will immediately erase the encryption key in the battery backed tamper protected memory. Factory default settings are immediately loaded, and a tamper event is added at the next boot.
Add Support for TFTP Firmware Transfers	Support has been added to the Command Line Interface copy command to transfer to/from remote servers using the TFTP protocol.
	Issue #LTE-686

New Alarms and Events	New alarms have been added to the alarm summary and events to the event setup:
	• SFP tx fault and LOS alarms
	• WiFi link down alarm
	• WiFi, cellular and serial no receive data alarms
	• Serial data deceive errors alarms
	• IPSec tunnel failed alarm
	• Voltage threshold alarm
	• GNSS signal lost, GNSS position accuracy alarms
	• Tamper detected alarm
	• Serial device facing loopback alarms

New Informational Events	New informational events have been added to the Aprisa LTE event setup:
	• WiFi/IPsec/DDNS/DHCP/SMS/Interface Activity informational events
	• GRE tunnel up/down informational events
	• IPSec tunnel up/down informational events
	• WiFi connect/disconnect (per client when in AP mode) informational events
	• DHCP new/expired lease informational events

New Syslog Severity Filtering	Syslog messages can now be filtered (SuperVisor: Events > Syslog) independently by the 7 syslog severity options, including: Emergency, Alert, Critical, Error, Warning, Notice, and Informational.

New CLI Commands	New Command Line Interface commands:
	• Open socket list (show ip sockets) – Netstat network statistics (TCP/UDP, listen)
	• MAC and VLAN learning table (show mac address-table)
	• Network Translation Table (show ip nat translations)

New Eth/SFP Port disabled	A disable option has been added to Ethernet-2 and SFP ports to save power and for security reasons.

New 'Loopback' Network Interfaces Support	New multiple 'Loopback' virtual interfaces have been added to the Aprisa LTE.
	A loopback interface is always up and reachable as long as at least one of the IP interfaces on Aprisa LTE is operational. This can be useful for e.g. to allows BGP neighbour between two routers to stay up even other interfaces on the path are down, or used for device IP management, or assigning a unique IP to terminal server without linking to an Ethernet port or used as connection end point for backup routes, etc.
	Issue #LTE-1379

4. Product Enhancements

IPsec Additional Parameters	IPsec is now supporting an additional configuration parameter of IP protocol number to extend IPsec capabilities options.
GRE Additional Parameters	GRE is now supporting an additional configuration parameter of source interface, network, and key to extend GRE capabilities options.
Terminal Server to Cell Interface Only	Terminal Server (TS) connection has been enhanced to support connection to a cellular interface only without the need to be attached to any other Ethernet interface (e.g. where all interfaces are disabled except TS/serial and cellular interfaces).
New User Privilege Name Session Details	User privilege name details have been added to SuperVisor Menu bar e.g. ADMIN. Issue #LTE-29
New DHCP Events	DHCP events have been added to the Events > Event History. Issue #LTE-69
Firewall Port Forward Protocols	Previously, the list of protocols available when creating a port forward did not match the list of protocols when editing an existing port forward rule. Now all protocols are available in all editing screens. Issue #LTE-135, 136, 138
New 'ICMP' and 'Custom' in Create Protocol List	'ICMP' and 'Custom' options have been added to the Firewall Protocol drop down list in the Firewall > Traffic rules. The 'Custom' rule allows to mix multiple protocol options e.g. ICMP & Custom protocol number options. Issue #LTE-143
New Traffic Rule Action Field Default	The Firewall > Traffic rule default value of the 'Action' field has been changed from 'Accept' to 'Drop'. Issue #LTE-155

Security Level Changed to 'strong'	When the security level is changed to 'strong' with the default encryption key, SuperVisor > Security > Setup displays a warning message 'Using the default encryption key is not secure'. Issue #LTE-328
New WiFi Events Added	Wi-Fi events 'Association' and 'Disassociation' have been added and reported on the Events > History Log. Issue #LTE-384
History Log User Account Additional Info	The Additional Info field of the Event History log has been enhanced for User Account events e.g. password changed, privilege changed. Issue #LTE-393
CLI Command Lists	The appearance of the Command Line Interface command lists has been improved. Issue #LTE-413
USB Port Shut Down	The USB port can now be completely disabled / shut down thereby reducing power consumption in low power applications. Issues #LTE-430, LTE-986
New GNSS Events Added	GNSS activity events have been added and reported on the Events > History Log e.g. when GNSS Position Accuracy alarm is not active when HDOP < 5 and GNSS Lost signal alarm. Issue #LTE-488
Maintenance File Status Message Added	A Status message has been added to SuperVisor > Maintenance > Files page to indicate the status of the file upload / download. Issues #LTE-550, LTE-970
History Log Response Time Improved	The response time of the SuperVisor > Events > History Log has been improved. Issue #LTE-624

SuperVisor No Response Indicator Added	When there is no response or blank response from the device, SuperVisor now shows a "-" for all screen parameters. Issue #LTE-632
Clear Event Log Added	A 'Delete Alarm History File' option to clear event logs has added in SuperVisor > Maintenance > General Issue #LTE-640
CLI Login Banner	The Command Line Interface login banner has been improved and now contains more useful information. Issue #LTE-692
History Log Temperature Values Added	The SuperVisor > Events > History Log display of temperature events has been improved to show the temperature value and the limit temperature value e.g. Temperature (22.8C) is lower than low limit (45.0C). Issue #LTE-885
GNSS State Indicated with Aux LED	When GNSS is enabled but the position is invalid, the Aux LED will light solid RED. Issue #LTE-939
CLI Show Log Command New Format	The appearance of the Command Line Interface 'show log' command has been improved and formatted in columns. Issue #LTE-1023
Login Time Reduced	The time to login via the CLI or SuperVisor has been reduced when the LTE starts-up after reboot. Issue #LTE-1210
Datagrams Over UDP Terminal Server	The maximum size of datagrams transported over UDP terminal server has been increased (jumbo size and even more). Issue #LTE-1236

CLI Source and Destination Auto Completion	Auto completion of source and destination for known and static entries has been added to the Command Line Interface 'Copy Command'. Issue #LTE-1330
Retry of PDN Before Switching	If a PDN connection fails, it will now be retried once before switching to the next PDN. Issue #LTE-1376
New IPsec Events	IPsec events have been added and reported via the Events > History Log e.g. tunnel up/down. Issue #LTE-1381
Source Routing IP Packets	Previously, packets with the Strict Source Route (SSR) or Loose Source Routing (LSR) supported in the IP header 'options' field allowing the sender to specify an IP packet to carry a list of IP addresses, that tells the Aprisa LTE the route path the packet must take. This has now been disabled as it is a security risk. Issue #LTE-1395
New VLAN Options	VLAN functionality has been enhanced by allowing the user to configure single VLAN (CVLAN tag) or double VLANs (SVLAN/CVLAN tags) with their associated EtherType value 0x8100 and 0x88A8, respectively in the Interfaces/Networking > Logical Interfaces > [Interface] > Physical Settings [TAB] menu. Issue #LTE-1416
History Log 90 Days Support	The history log is now extended to support events logging of 90 days. Issue #LTE-1543

5. Software Bug Fixes

5.1. Major Bug Fixes

Firewall Port Forward Traffic Rule with TCP+UDP Issue	Previously, when creating port forward traffic rules in SuperVisor Interfaces/Networking > Firewall, if the protocol was selected as 'TCP+UDP', the rule showed 'any traffic', though the correct operation was performed per the 'other' settings. This issue has been fixed in software version 2.0.00672001. Issue #LTE-498
VPN IPsec IKEv1 Aggressive Mode Issue	Previously, VPN IPsec connections did not use IKEv1 aggressive mode when it was configured. This issue has been fixed in software version 2.0.00672001. Issue #LTE-816
Multicast Packets Not Incremented Issue	Previously, the SuperVisor > Monitoring > Ethernet counter 'Multicast Packets' was not incremented when multicast packets were sent to the Rx interface. This issue has been fixed in software version 2.0.00672001. Issue #LTE-829
Web UI IPsec Tunnel Information Issue	Previously, Web UI IPsec tunnel information was still available in IPsec Connection List when IPsec tunnel was deleted. This issue has been fixed in software version 2.0.00672001. Issue #LTE-1042
CLI via SSH, aes256-cbc Encryption Issue	Previously, when connecting to the CLI via SSH with encryption aes256-cbc, the connection was rejected. This issue has been fixed in software version 2.0.00672001. Issue #LTE-1057
CLI Additional Sessions Blocking Issue	Previously, the CLI was unable to accept new connections or execute commands when syslog / tcpdump commands were already running in another session. This issue has been fixed in software version 2.0.00672001. Issue #LTE-1154

Incorrect Source IP for Second Interface IP Address Issue	Previously, when configuring a second IP address (e.g. 192.168.12.1/24) on existing LAN interface (e.g.192.168.10.1/24) and pinging the second IP address, the response may have contained an incorrect source IP address from the first IP address (i.e. from 192.168.10.1). This issue has been fixed in software version 2.0.00672001. Issue #LTE-1227
Terminal Server in UDP mode Issue	Previously, with SuperVisor > Interfaces/Networking > Serial > Terminal Server, in UDP mode with no remote address set, then the responding packets were not being sent to the address of the most recently received packet. This issue has been fixed in software version 2.0.00672001. Issue #LTE-1284
Terminal Server, TCP server, Remote Address Field Issue	Previously, with SuperVisor > Interfaces/Networking > Serial > Terminal Server, in TCP Server mode, the remote address field was not greyed out as it was not relevant. This issue has been fixed in software version 2.0.00672001. Issue #LTE-1291
Alarm Output State During Power Up Issue	Previously, with SuperVisor > Events > Alarm I/O Setup, when an alarm output was configured as active low, during power up with ignition disabled and with no alarm present, but the output state was incorrectly low. This issue has been fixed in software version 2.0.00672001. Issue #LTE-1292
DDNS Update Process Issue	Previously, with SuperVisor > Services > DDNS > Advanced Settings, when the DNS server or HTTP proxy was configured in the DDNS entry, the DDNS update process did not start or retry if the DNS server or HTTP proxy were unreachable over the network. The DDNS update process would start again when DNS server and HTTP proxy become reachable. This issue has been fixed in software version 2.0.00672001. Issue #LTE-1300
DDNS Save Configuration Issue	Previously, DDNS configurations could not be saved if the configured DNS or proxy server connections were not reachable (due to connection failure). This issue has been fixed in software version 2.0.00672001. Issue #LTE-1301

Terminal Server Large Packet Issue	Previously, with SuperVisor > Interfaces/Networking > Serial > Terminal Server, large packets were not being split into configured MTU sized packets. This issue has been fixed in software version 2.0.00672001. Issue #LTE-1309
APN Auto mode with Multi APN/SIM Issue	Previously, intermittently the Supervisor > Cellular > General > PDN profile APN mode 'Auto' setting might not have worked for multi APN or dual SIM configurations and the user would need to have used the manual mode. APN Auto mode would always work when using a single SIM. This issue has been fixed in software version 2.0.00672001. Issue #LTE-1321
Auto Access Point Name Issue	Previously, with SuperVisor > Cellular > General, if an 'Auto' Access Point Name (APN) was saved and later changed to manual, the 'Auto' IMSI/IMEI pair would be lost if changed back to 'Auto' mode again. This issue has been fixed in software version 2.0.00672001. Issue #LTE-1322
SFP Interface Monitored Parameter Issue	Previously, with Supervisor > Monitoring > Ethernet, the SFP Rx Packets in error monitored parameter for the SFP interface did not present correctly when received ethernet frames with invalid checksums were received. This issue has been fixed in software version 2.0.00672001. Issue #LTE-1355
Routing Failover Based on Link Status Issue	Previously, when there were two routes to the same destination existing on separate interfaces, the route failover always used the lowest metric route even if that interface had a link down status. This issue has been fixed in software version 2.0.00672001. Issue #LTE-1386
ICMP and ICMPv6 Redirects Issue	Previously, ICMP and ICMPv6 redirect messages were incorrectly accepted. This issue has been fixed in software version 2.0.00672001. Issue #LTE-1394
Self-Signed Certificate Country Code Issue	Previously, with Supervisor > Security > HTTPS, automatically generated self-signed HTTPS certificates were created with incorrect local country codes. This issue has been fixed in software version 2.0.00672001. Issue #LTE-1396

5.2. Minor Bug Fixes

Adding Dynamic List Parameters Issue

Previously, with SuperVisor > Interfaces/Networking > Logical Interfaces, a click on "+" sign was required for adding the parameters in dynamic list.

This issue has been fixed in software version 2.0.00672001.
Issue #LTE-59

Action Setup Action Threshold Criteria Issue

Previously, with SuperVisor > Events > Action Setup, when Action Threshold Criteria was set to 'equal cleared' the action was not clearing the Alarm Action.

Issue #LTE-223

History Log Column Widths Issue

Previously, with SuperVisor > Events > History Log some column widths became too small when some of the rows 'additional info' text was long.

This issue has been fixed in software version 2.0.00672001.
Issue #LTE-324

Event History Trap Issue

Previously, the eventHistoryEventState field in an SNMP trap message was not getting incremented with each time alarm event.

This issue has been fixed in software version 2.0.00672001.
Issue #LTE-338

Interface Ports Status on Startup Issue

Previously, on LTE start-up, the SuperVisor > Events > History Log did not indicate the correct states of the interface ports i.e. Up / Down events.

This issue has been fixed in software version 2.0.00672001.
Issue #LTE-383

Locked User Account Incorrect Message Issue

Previously, with SuperVisor > Security > Users > Accounts, if a user account was locked, it showed an incorrect message 'Invalid username and/or password! Please try again' on the login screen instead of 'Account Locked'. This caused the user to make multiple unsuccessful entries even with the correct password.

This issue has been fixed in software version 2.0.00672001.
Issue #LTE-405

SuperVisor Horizontal Scroll Bar Issue	Previously, with some browsers, SuperVisor horizontal scroll bar was controlled by the window content so SuperVisor menu could not be seen when the window size was reduced. This issue has been fixed in software version 2.0.00672001. Issue #LTE-423
Event with 'Suppress' Setting Issue	Previously, with SuperVisor > Events > Setup, if an event had the 'Suppress' set to 'traps and syslog', the event was still showing in the History Log. This issue has been fixed in software version 2.0.00672001. Issue #LTE-425
GRE Tunnel Name Issue	Previously, with SuperVisor > Security > VPN, the GRE Summary details went beyond the window boundary when the Tunnel Name was long. The GRE Tunnel Name can be between the 1 and 15 characters. This issue has been fixed in software version 2.0.00672001. Issue #LTE-510
DDNS Enabled Help Text Issue	Previously, with SuperVisor > Services > DDNS, the 'Enabled' check box help text was incorrectly given when the service section was disabled. This issue has been fixed in software version 2.0.00672001. Issue #LTE-525
GRE Adding a New Tunnel Issue	Previously, with SuperVisor > Security > VPN > GRE, when adding a new tunnel, the settings page incorrectly displayed existing tunnels. This issue has been fixed in software version 2.0.00672001. Issue #LTE-526
Config File Naming Issue	Previously, with Supervisor > Maintenance > Files, file upload could fail if files names contained special characters. This was most visible with bracketed characters added by windows to duplicate files e.g. config(1).23. This issue has been fixed in software version 2.0.00672001. Issue #LTE-554
Software Start Up Event History Issue	Previously, with SuperVisor > Events > Event History, there was no 'Additional Info' displayed for Software Start Up events to indicate the reason for the start up. This issue has been fixed in software version 2.0.00672001. Issue #LTE-574

CLI 'show ip interface <>' Command Issue	Previously, with the Command Line Interface, the 'show ip interface <>' command incorrectly listed individual physical interface details instead of logical interface details.
	Information on physical interfaces is shown with 'show device netdev <physical interface> for example 'show device netdev eth1'.
	This issue has been fixed in software version 2.0.00672001.
	Issue #LTE-578
SSH Disabled Field Parameters Issue	Previously, with SuperVisor > Security > SSH, if SSH was Disabled, the Interface and Port field parameters were not greyed out.
	This issue has been fixed in software version 2.0.00672001.
	Issue #LTE-639
Carrier Search Result Blank Issue	Previously, with SuperVisor > Maintenance > Cellular, the Carrier Search Result was blank when there was no active search.
	This issue has been fixed in software version 2.0.00672001.
	Issue #LTE-641
Syslog Settings Destination IP Issue	Previously, with SuperVisor > Events > Syslog settings, blank destination IP addresses were incorrectly saved but validation error messages were shown.
	This issue has been fixed in software version 2.0.00672001.
	Issue #LTE-668
Reused Username Issue	Previously, if a user was created in Security > Users > Accounts, then deleted and recreated with the same username, the Events > History Log presented incorrect user information.
	This issue has been fixed in software version 2.0.00672001.
	Issue #LTE-698
PDN Profile Disabled Message Issue	Previously, with SuperVisor > Maintenance > Cellular 'Force PDN Profile Switch to', there was no message given if the PDN Profile selected was disabled.
	This issue has been fixed in software version 2.0.00672001.
	Issue #LTE-772

Cellular > Summary Date and Time Issue	Previously, with SuperVisor > Cellular > Summary there was an incorrect 'T' in the date and time. This issue has been fixed in software version 2.0.00672001. Issue #LTE-779
Date and Time Issue	Previously, with SuperVisor > Services > Date and Time, the manual Date and Time picker wizard did not show the selected format before a save. This issue has been fixed in software version 2.0.00672001. Issue #LTE-843
History Log Incorrect Date and Time Issue	Previously, with SuperVisor > Events > History Log, after a device power reset, 'Software StartUp' and 'Event Action Activity' events show an incorrect date and time. This issue has been fixed in software version 2.0.00672001. Issue #LTE-882
CLI Show IP Interface Multiple Address Issue	Previously, with the Command Line Interface, when 2 or more static IP addresses were configured, the 'AprisaLTE> show ip interface' command only showed one IP address. This issue has been fixed in software version 2.0.00672001. Issue #LTE-889
Terminal Server UDP Protocol Issue	Previously, with SuperVisor > Interfaces/Networking > Serial > Terminal Server, the UDP Protocol was showing the mode as 'Client and Server' when the Mode was disabled for UDP. This issue has been fixed in software version 2.0.00672001. Issue #LTE-893
Date and Time Changes in Event Log Issue	Previously, with SuperVisor > Services > Date and Time, Date and Time changes were not shown on the event history log. This issue has been fixed in software version 2.0.00672001. Issue #LTE-940
User Account Username Field Too Small Issue	Previously, with SuperVisor > Security > Users > Accounts, the username field was too small to fit the allowable 32 characters. This issue has been fixed in software version 2.0.00672001. Issue #LTE-945

Terminal Server TCP Client Local Port Issue	Previously, with SuperVisor > Interfaces/Networking > Serial > Terminal Server the local port was not greyed out when Terminal Server was configured as a TCP client.
	This issue has been fixed in software version 2.0.00672001. Issue #LTE-973
Bridged Network Jumbo Frames Issue	Previously, with SuperVisor > Interfaces/Networking > Logical Interfaces > Advanced Settings, if you enter any Override MTU larger than 1500 bytes (jumbo frames) on a bridged network, the value will always be truncated to 1500 bytes.
	This issue has been fixed in software version 2.0.00672001. Issue #LTE-1006 / LTE-1450
VPN Counters Reset Issue	Previously, with SuperVisor > Monitoring, VPN counters reset to 0 when re keying occurred.
	This issue has been fixed in software version 2.0.00672001. Issue #LTE-1074
HTTP and HTTPS Enabled via CLI Issue	Previously, with the Command Line Interface (CLI), both HTTP and HTTPS could be enabled simultaneously via the incorrectly allowing SuperVisor access through both. When configured via SuperVisor, either HTTP or HTTPS are enabled but not both.
	Issue #LTE-1099
RS-485 Terminating Resistor Issue	Previously, with SuperVisor > Interfaces/Networking > Serial, the RS-485 Terminating Resistor dropdown list provided an incorrect choice of Zero ohms.
	This issue has been fixed in software version 2.0.00672001. Issue #LTE-1125
Window Boundary Issue	Previously, with SuperVisor > Interfaces/Networking > Serial, the fields went beyond the window boundary when the window width was reduced.
	This issue has been fixed in software version 2.0.00672001. Issue #LTE-1166
Deleted Interface Details Issue	Previously, with SuperVisor > Interfaces/Networking > Logical Interfaces, deleted interface details remained on the page until it was refreshed or the save button clicked.
	This issue has been fixed in software version 2.0.00672001. Issue #LTE-1266

Minimum Password Error Message Issue	Previously, with SuperVisor > Security > Users > Accounts, if a password was entered that was less than the minimum length, an incorrect error message was displayed. This issue has been fixed in software version 2.0.00672001. Issue #LTE-1342
Password Error Messages Issue	Previously, with SuperVisor > Security > Users > Accounts, some of the invalid password error messages did not indicate the problem with the password. This issue has been fixed in software version 2.0.00672001. Issue #LTE-1345
Self-Signed Certificate Status Message Issue	Previously, with Supervisor > Security > HTTPS, when generating a HTTPs self-signed certificate, the status messages disappeared too quickly. This issue has been fixed in software version 2.0.00672001. Issue #LTE-1400
Minimum Synchronization Period Issue	Previously, with SuperVisor > Services > Date and Time, the Minimum Synchronization Period would accept a negative value. This issue has been fixed in software version 2.0.00672001. Issue #LTE-1401
Missing SIM Card Alarm Issue	Previously, if a SIM card was not fitted to the LTE at start-up, intermittently a 'SIM Card Missing' alarm would not be raised. This issue has been fixed in software version 2.0.00672001. Issue #LTE-1403

6. Known Issues

Changing User Account Issue

Currently, if an Admin user and a Non-admin user are logged in, and the Admin user changes the Non-admin user's account configuration details (like deleting, changing to inactive or changing the privilege level), the system does not logout or terminate the session of the Non-admin user.

Workaround: an LTE reboot will close all user sessions and on start-up all user account changes will be in place.

This issue will be fixed in a future software release.
Issue #LTE-22

DHCPv6 Lease Reused Issue

Currently, when a DHCPv6 lease time is set under the LAN interface (interfaces/Networking > Logical interfaces) and subsequently, the user changes the DHCP to disabled on this interface, the 'Interfaces/networking > DHCP and DNS' active DHCPv6 lease is set to default value as '12h' instead of 'expire'. DHCPv4 leases get correctly set to 'expire'.

This issue will be fixed in a future software release.
Issue #LTE-74

DHCPv6 Static Lease Times Issue

Currently, SuperVisor Interfaces/Networking > DHCP and DNS static lease times are not being applied to active DHCPv6 leases and instead it is taking the lease time configured for the interface.

This issue will be fixed in a future software release.
Issue #LTE-78

Static Route WAN Metric Issue

Currently, if a static route is erroneously added with the destination and same metric as a gateway (which may be learnt through DHCP) then the gateway route is removed, the gateway route is not restored even after removing the static route.

Workaround: two options
1. use a different metric than the interface metric, OR
2. reboot the Aprisa LTE after deleting the erroneously added static route

This issue will be fixed in a future software release.
Issue #LTE-105

| IPv6 Static Routes Metric Update Issue | Currently, when an IPv6 static route is added with default metric 0 (i.e. inherit interface metric) and saved and subsequently the user changes the metric to a specific value, this value is not updated. |

Workaround: two options
1. set the required metric and then reboot, OR
2. delete the route and add it back with the required metric value

This issue will be fixed in a future software release.
Issue #LTE-128

| SMS with Non-ASCII Chars Issue | Currently, if a Short Message Service (SMS) text is sent that contains characters other than ASCII 32 – 126, the SuperVisor History Log shows an error message of 'SMS Activity Active Information SMS from +nnnnnnn failed Authentication'. |

This issue will be fixed in a future software release.
Issue #LTE-382

| CLI Invalid Command Issue | Currently, the Command Line Interface does not provide feedback if an invalid command is entered. |

This issue will be fixed in a future software release.
Issue #LTE-691

| GRE Tunnel Configuration Interface Issue | Currently, when a GRE tunnel is created via 'Supervisor > Security > VPN', a logical (virtual) interface is shown on 'SuperVisor > Interface > Logical Interface' page with 'Edit' button option. The 'Edit' button for the GRE Tunnel interface should not be enabled. The GRE tunnel can only be edited from the 'Security > VPN' GRE Tunnel Page. |

This issue will be fixed in a future software release.
Issue #LTE-803

| Adding a New Firewall Zone Issue | Currently, if a new firewall zone is added with Interfaces/networking > Firewall > Zone and the user navigates to another page without saving, the new zone is added anyway. |

Workaround: If you have added zone, but you do not want to save it, delete it before navigating to another page.

This issue will be fixed in a future software release.
Issue #LTE-1162

GRE Interface Tunnel Name Issue	Currently, when a GRE tunnel is created at 'SuperVisor > Security > VPN > GRE, the GRE Tunnel interface shown in the 'Interfaces/Networking > Logical Interfaces' page will show two GRE interfaces with the created 'Original-Name' and with 'Original-Name_if'.
	Workaround: the user should ignore all logical interfaces with 'Original-Name_if' and work/edit only the interface with the 'Original-Name'.
	This issue will be fixed in a future software release.
	Issues #LTE-1441, LTE-1442
Nslookup Requests Issue	Currently, with SuperVisor > Maintenance > Networking, when Nslookup sends requests for both IPv4 and IPv6 records, if only one is responded to, then it prints that address and then an error message if ipv6 is not found instead of empty record.
	This issue will be fixed in a future software release.
	Issue #LTE-1509
DDNS Configuration Issue	Currently, with SuperVisor > Services > DDNS, after saving the configuration for a DDNS entry, the DDNS process still uses the old configuration until it has been restarted.
	This issue will be fixed in a future software release.
	Issue #LTE-1534
File Transfer Status Twice Issue	Currently, with SuperVisor > Software > File Transfer, the file transfer status shows 0 to 100% twice when downloading the software pack and two entries in the History Log.
	This issue will be fixed in a future software release.
	Issue #LTE-1616
PDN Profile APN Changes Issue	Currently, with Supervisor > Cellular > General > PDN profile, saved changes to the APN name are not used and instead the previous APN settings is used.
	Workaround: After changing the APN name, make sure to change the 'Mode' of this APN to disabled and then re-enabled it for the new APN name to be active.
	This issue will be fixed in a future software release.
	Issue #LTE-1654
Save to PC Action Apply Issue	Currently, with SuperVisor > Maintenance > Files, for an Action of 'Save to PC' the Apply button can be clicked repeatedly while the save is in progress without an error message.
	This issue will be fixed in a future software release.
	Issue #LTE-1728

| DMVPN Hub with Shortcuts Issue | Currently, with DMVPN, in Hub device, when NHRP changes are done for the GRE interfaces, the required iptable rules are created but do not come into effect.

Workaround: The DMVPN Hub device MUST be rebooted for the iptable rules that have been created to come into effect.

This issue will be fixed in a future software release.
Issue #LTE-1732 |

| Terminal Server UDP Protocol Issue | Currently, with SuperVisor > Interfaces/Networking > Serial > Terminal Server, when the Protocol is set to UDP, and saved without filling in the IP address and the port number, a warning message about wrong port number will appear where in fact the port number is only required if the IP address is entered.

Workaround: Port number can be saved with any number which will be ignored if the IP address will set to 0.0.0.0

This issue will be fixed in a future software release.
Issue #LTE-1764 |

| ARP Table NHRP Entries Issue | Currently, with SuperVisor > Monitoring > Address Tables, when NHRP entries are added to neighbour table, the ARP table does not display the entries correctly for the GRE Tunnel interfaces.

This issue will be fixed in a future software release.
Issue #LTE-1778 |

| CLI Default Route Metric Changes Issue | Currently, with the CLI, when the metric of the default route is changed multiple times then the CLI 'show ip route' command will show multiple entries of the default route with all the previous metric configuration changes instead of showing only the last changed default route entry. This does not affect the routing table operation as previous changes are not in effect.

Workaround: The user should ignore all default route metric changes and consider only the first route entry after the 'show ip route' command.

This issue will be fixed in a future software release.
Issue #LTE-1799 |

| Monitoring VPN Continuous Pings Issue | Currently, with SuperVisor > Monitoring > VPN, when sending continuous pings via the IPsec tunnel, the Last Out is not set to 0 when there is continuous IN and out packets via the tunnel.

This issue will be fixed in a future software release.
Issue #LTE-1803 |

Monitoring VPN DMVPN IPSec Child Connections Issue	Currently, with SuperVisor > Monitoring > VPN, in a DMVPN setup, not all IPSec Child Connections for the same endpoints are shown but instead they are shown as combined. This issue will be fixed in a future software release. Issue #LTE-1822
CLI DMVPN Missing Parameters Issue	Currently, in a DMVPN setup, with the Command Line Interface 'show ip nhrp shortcut' command, sometimes a shortcut to hub connection will be shown instead of showing only the shortcut connections between spokes. This does not affect normal operation of DMVPN user traffic, and the user should ignore the shortcut to the Hub if it appears. This issue will be fixed in a future software release. Issue #LTE-1836
NHRP Shortcut Entries Issue	Currently, in DMVPN with dual Hub, when primary Hub goes down, all spokes will normally switch to secondary Hub, but CLI 'show ip nhrp shortcut' command will show NHRP shortcut entries cleared but the shortcut route is not deleted and as a result shortcut communication continues to work correctly. After the NHRP holdtime expiry period (10mins), the shortcut table will appear again. This issue does not affect user traffic. This issue will be fixed in a future software release. Issue #LTE-1839
WiFi in Access Point Mode Scan Issue	Currently, with SuperVisor > Interfaces/Networking > WiFi, with Mode set to Access Point (AP) Mode, starting a Scan displays a 'Starting wireless scan' text on the scan screen indefinitely. This issue will be fixed in a future software release. Issue #LTE-1845
IPSec Tunnel Configuration Change Issue	Currently, with SuperVisor > Security > VPN, when the user changes the configuration of an existing IPSec tunnel, all IPSec tunnels, including those not affected by the configuration change, restart with a short interruption in traffic. This issue will be fixed in a future software release. Issue #LTE-1846
CLI Show NAT Session Table Issue	Currently, with the Command Line Interface, adding a new firewall rule or modifying an entry in firewall rule will affect the display of the NAT session table on the CLI and there will be no entry in the table. This issue does not affect traffic. This issue will be fixed in a future software release. Issue #LTE-1867

PDN Profile Switching Issue	Currently, with SuperVisor > Cellular > General, intermittently the PDN Profile will remain on pdn2 when only pdn1 is enabled until after several minutes when the PDN2 connection times out and switches over to PDN1. This issue will be fixed in a future software release. Issue #LTE-1875
Monitoring SFP Multicast Packets Issue	Currently, with SuperVisor > Monitoring > Ethernet, SFP RX Packets and RX Bytes counters do not count multicast packets. This issue will be fixed in a future software release. Issue #LTE-1876
CLI Show IP Nat Translations Issue	Currently, with the Command Line Interface, the 'show ip nat translations' command does not show the port number for SCTP entries This issue will be fixed in a future software release. Issue #LTE-1878
TX and RX LEDs Issue	Currently, the TX and RX LEDs do not indicate a loss of connection after disconnecting from a roaming PDN. This issue will be fixed in a future software release. Issue #LTE-1898
CLI GRE Tunnel Delete Issue	Currently, when router configuration for a GRE interface is added in CLI, this cannot be removed. Workaround: GRE tunnel should first be removed from the SuperVisor and then from the CLI. This issue will be fixed in a future software release. Issue #LTE-1899
Re-created Deleted IPSec Tunnel Doesn't Connect Issue	Currently, if an IPsec tunnel is deleted and added (recreated) again with the same name, the IPsec will not try to reconnect. Workaround: The user should navigate to 'IPsec Connection' tab, click the 'Associated Transport list' and reselect the same IPsec Tunnel name again and click save. This will reconnect the IPsec which can then be seen in the SuperVisor > Monitoring > VPN page. This issue will be fixed in a future software release. Issue #LTE-1911

Multiple GRE Tunnel IP Addresses Issue

Currently, if an existing GRE tunnel IP address is changed a few times, the CLI 'show ip nhrp cache' command will show the new and the previously changed tunnel IP addresses.

Note: This does not affect the tunnel, nor the device operation and the user should ignore previous IP addresses and in fact only the new 'local' IP address is a valid entry.

This issue will be fixed in a future software release.

Issue #LTE-1914

7. Limitations

USB Port Device Mode Issue	Currently, the Aprisa LTE USB port cannot operate as USB Device mode, and only USB Host mode is supported. In the future, it will be able to be used as a virtual serial device for use as CLI and a virtual Ethernet device for web configuration access. Issue #LTE-87
Ethernet Parameters Issue	Currently, the Aprisa LTE supports Ethernet auto negotiation, but does not support specific speed, and duplex parameters. Issue #LTE-93
RADIUS Server IPv6 Addresses Issue	Currently, on the SuperVisor > Security->RADIUS page, the input fields for the RADIUS server IP addresses do not accept IPv6 addresses. An error prompt indicates that the entered IP address is invalid. Issue #LTE-295
GNSS Information when Cellular Disabled Issue	Currently, SuperVisor > Location > Summary and General GNSS information is not updated when cellular is disabled. Issue #LTE-487
Terminal Server with IPv6 Addresses Issue	Currently, after configuring the terminal server with IPv6 addresses as the local and remote address through the configuration file, the terminal server fails to start. Issue #LTE-985
WLAN (WiFi) MTU Size Issue	Currently, MTU configurations in a bridge with only a WLAN interface fails when the MTU size is over 1500 bytes. Other interfaces do not have the issue of supporting MTU size greater than 1500 bytes (i.e. jumbo packets). Issue #LTE-1450
Terminal Server Serial Counter Issue	Currently, Terminal Server sporadically fragments packets, causing monitoring to count incorrectly for baud rates 38400 and above. This does not cause any packet polls or responses being lost, it just skews the packet counts in monitoring due to the fragments being counted, for the higher baud rates 38400 and above. Issue #LTE-1775

IPsec Tunnel Mode Edit Option	Currently, with SuperVisor > Security > VPN > IPsec Tunnel (TAB) the 'Mode' field cannot be edited once a tunnel is created.
	Workaround: The user should delete and re-create the IPsec tunnel.
	Issue #LTE-1910
Serial Port Link LED Issue	Currently, the serial port Link LED does not work correctly with all wiring scenarios due to hardware limitation.
	Issue #LTE-1913