

TOPIC	
SATEL NETCO NMS CE, v1.5.1	
Date: 30.09.2024	
<input type="checkbox"/> HW	<input type="checkbox"/> FW <input checked="" type="checkbox"/> SW <input type="checkbox"/> New product <input type="checkbox"/> Other:

APPLIES TO	
SATEL NETCO NMS CE software applies to the following products:	
PRODUCTS	REMARKS
SATEL-EASy+ SATEL-EASy Pro+ SATELLINE-3AS VHF	
Supported SATEL products with NETCO SW family: https://www.satel.com/products/software/software-product-compatibility-table/ The software supports configuration of the Routing Setup and NMS Routing Setup -modes for SATEL-EASy+ product family (and legacy SATELLINE-3AS NMS products for NMS Routing) and configuration of the XPRS radio family. Note! SATELLINE-3AS NMS product family FW version 4.0.14.1 and later supported	

CHANGES	
Software changes from SATEL NETCO NMS CE v.1.0.6 to v.1.5.1	
New features	<p>a) Support for SATEL-EASy Pro+ to .saxd file conversion.</p> <p>b) Checkboxes in Monitoring Liveview to specify what values are to be displayed.</p> <p>c) Reorganize Grafana dashboard: remove unused panels and add panels for Last RSSI and Noise Level.</p> <p>d) Add new setting "Release version" 1.2589 to SATEL-EASy+ , SATEL-EASy Pro+ .</p> <p>e) Events logs: - Events log is written to files and user can export them by running LocalGetEventsLog.ps1 script. - Export events log in csv format.</p> <p>f) Design Map view: - New options "Enable Monitoring" and "Disable Monitoring" in a node context menu. It Enables/Disables monitoring for all settings of the node. - Monitoring specification dialog: The button "Set to similar" replaced by "Apply to.." button, which opens a dialog where user can select to which nodes the monitoring configuration will be applied.</p> <p>g) Design Reports tab view: - Action buttons were replaced by dropdown selector.</p>

	<ul style="list-style-type: none">- New reports were added: "Monitoring List" and "Monitoring Specification". "Monitoring list" displays all monitoring objects in polling order. "Monitoring Specification" displays monitoring parameters (status, alarm thresholds, etc) for all monitorable settings in the network. <p>h) Support for SATEL-EASy+(TR300).</p> <p>i) Design page:</p> <ul style="list-style-type: none">- New templates for networks of SATEL-EASy+(300MHz) and SATEL-EASy+(300MHz/3AS NMS).- Update SATEL-EASy+(400MHz) network templates. Name was changed and deprecated settings re-moved. <p>j) Monitoring of Last RSSI and Noise Level.</p> <p>k) Use port 2080 instead of 80 in Windows.</p>
Enhancement	<p>a) Allow polling min intervals to be less than 1000ms. Limit it anyway to 50ms.</p> <p>b) Improvements to the User Management page.</p> <p>c) In MSPE, the high limits for Voltage alarms have been modified as follows: The warning limit is now set to 27V (previously 20V), and the error limit is now set to 29V (previously 25V). These updated values are suitable for most SCADA cases.</p> <p>d) Remind the user to run Assist after importing a SAXD file. An orange-colored message will appear in the Notification panel.</p> <p>e) Events log enhancements:</p> <ul style="list-style-type: none">- Event logs are displayed for selected networks only.- "Clear" button to clean the log panel.- Display node name or network name (if anycast) in error event logs.- Display a message "Nothing to monitor" to the events log if all monitoring settings were disabled.- Add text "anycast" to events log if the value was fetched with anycast request. <p>f) Design page:</p> <ul style="list-style-type: none">- Rename the button text "Notify MS" to "Update Monitoring".- Rename "Network Settings" to "Network and Monitoring settings". (only in NETCO NMS)- Monitoring settings: Message timeout upper limit was set to 80000.- Add description to Geolocation setting.- Rename network template from "Message routing" to "Source routing".- WEBUI: increase "Add node" selector panel width to fit longer names and set smaller font-size for node name.

	<ul style="list-style-type: none">- SATEL-EASy+ variants renaming: SATEL-EASy+/TR4+ -> SATEL-EASy+ (400 MHz) and SATEL-EASy+ (as 3AS NMS) -> SATEL-EASy+ (400MHz/3AS NMS).- More robust WEBUI page initialization. <p>g) Grafana dashboards update:</p> <ul style="list-style-type: none">- Node locations panel was moved from Network dashboard to home dashboard.- Link SNR panel was removed from Network dashboard.- Rename "Latest received values" panel title to "Latest network activity" in home dashboard. <p>h) Port mapping in Windows:</p> <ul style="list-style-type: none">- Display possible reasons for port creation failure. <p>i) Add names to the Radio Connection Test output.</p>
Defect fixes	<p>a) Stability fixes and optimizations done in multiple services.</p>
Management	<p>a) User Guide update:</p> <ul style="list-style-type: none">- Known issues removed.- Chapter "Accessing NETCO NMS": Added info about login session expiration and mentioned a default access link with port 2080 for Windows.- New screenshots.- Node locations panel description was added.- Full documentation is in one pdf now, so, getting started document is not needed any more.- Added "Start Docker Desktop" section.- Fixes to how to run LocalUp.ps1. <p>b) Design WEBUI: update EASy+400 and EASy+300 icons.</p>

KNOWN ISSUES

- a) Map view panel displays all the nodes for all monitored networks.
- b) Alarms list out of sync
- After deleting a network, alarms list and kapacitor task list will still show alarms for that network
 - Sometimes, even if dead band alarm occurred, the network is still displayed green in a network list on monitoring page. At least this happens for new network, which connection doesn't work (e.g. invalid com port)
 - After changing the dead band timeout in design UI, alarms list still contains entries with the previous dead band timeout in the description if they were triggered before
 - E-mail configuration is applied only after stack restart

COMPATIBILITY / INFORMATION

- a) Windows10 64-bit OS and Windows11 64-bit OS versions
- b) Ubuntu 20.04 LTS and newer Ubuntu LTS versions
- c) Docker Desktop for Windows version 4.29.0 or 4.33.1

PACKAGE FILES

Software file	Description
nms-1.5.1+446b176c.240810938-online.zip	-SATEL NETCO NMS CE delivery package. - Please follow installation instructions in the NETCO NMS 1.4.0 Documentation.

SUPPORT DOCUMENTS

File/link	Description
NETCO NMS 1.4.0 Documentation.pdf	User manual
Dynamic release note	Release note - online version