

NR500 Series Industrial Cellular VPN Router

Application Note 037

SMS Control

Version: V1.0.0
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Status: Confidential



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1. Introduction

1.1 Overview

This document contains information regarding the configuration and use of SMS Control.

This guide has been written for use by technically competent personnel with a good understanding of the communications technologies used in the product, and of the requirements for their specific application.

1.2 Compatibility

This application note applies to:

Models Shown: NR500 series.

Firmware Version: devel(790f8c1) or newer

Other Compatible Models: None

1.3 Version

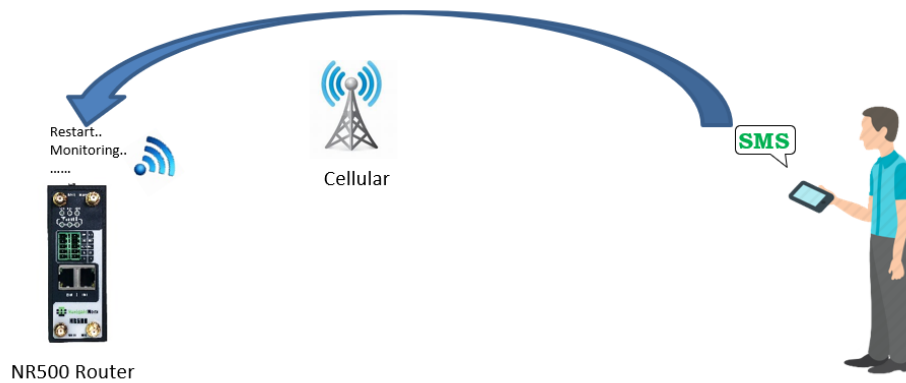
Updates between document versions are cumulative. Therefore, the latest document will include all the content of previous versions.

Release Date	Doc. Version	Firmware Version	Change Description
2019/01/09	V1.0.0	devel(790f8c1)	First released

1.4 Corrections

Appreciate for corrections or rectifications to this application note, and if any request for new application notes please email to: support@navigateworx.com

2. Topology



1. NR500 router dial up successfully with a SIM card.
2. Engineer send SMS to the router with Special SMS Command to control NR500 router restart or configure NR500 router.

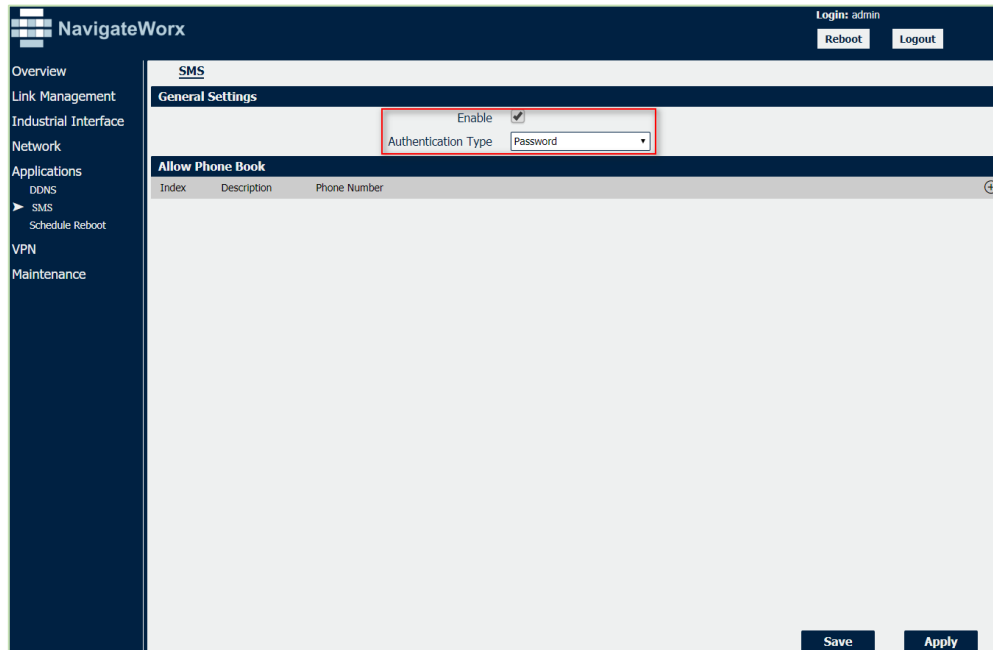
Note:

Special SMS Command means the router CLI Command. The engineer will send the SMS with CLI Command to control or monitoring the router.

3. Configuration

3.1 NR500 Router Configuration

1. Go to **Applications>SMS**, SMS control function is enable by default settings.



Authentication Type:

Password: SMS command with router username and password

None: SMS command without router username and password

Allow Phone Book:

The router only receive the SMS message from the special phone number on the phone book

4. SMS Command

Authentication Type: Password

1. admin\$admin\$enable\$version // send SMS to check the firmware version

The first "admin" means the router username; The second "admin" means the router password; "enable" means to send the CLI Command of "enable mode". "version" is the CLI command under enable mode

2. admin\$admin\$config\$set syslog level info //send SMS to set router syslog to info level

The first "admin" means the router username; The second "admin" means the router password; "config" means to send the CLI Command of "config mode". "set syslog level info" is the CLI command under config mode

We also can send SMS with **multiple** CLI Commands, like below:

1. admin\$admin\$enable\$version;show active_link //send SMS to check firmware version and link information together.

2. admin\$admin\$config\$set syslog location ram;set syslog level info // send SMS to set syslog location and syslog level.

Authentication Type: None

1. enable\$version

2. config\$set syslog level info

3. enable\$version;show active_link

4. config\$set syslog location ram;set syslog level info

5. CLI Command

1. Telnet to the router to check the CLI command under “enable mode” or “config mode”.

```
navigateworx.router login: admin
Password:
> ← Enable Mode
>
> config
config # ← Config Mode
config #
config #
```

When telnet to the router successfully, it pop up character “>”, means that the router under “enable mode”

When enter CLI command “config”, then the router will go into “config mode”

2. Enter the “ ? ” or keyboard “Tab”, then we can see what CLI command could be set in the next. Like below:

```
>
config      Change to the configuration mode
exit        Exit this CLI session
help        Display an overview of the CLI syntax
ping        Ping
reboot      Reboot system
show        Show running configuration or running status
telnet      Telnet Client
traceroute  TraceRoute
upgrade     Upgrade firmware
version     Show firmware version
>
```

6. Testing

1. Below test result for reference.

