



Remote Terminal Manager

Functionality and support per terminal type

The Remote Terminal Manager terminal table

The below table list the level of Remote Terminal Manager functionality supported by the different types of BGAN terminals. Below the table a short description is provided for each function category.

		Network Information	Connection Status Alerts	Send SMS	Data Connection Control	Advanced Data Connection Control	Terminal Status and Information	Remote Terminal Control	Geo- position and Mapping services
Manufacturer	Terminal(s)	Basic			Remote Control				
HNS	9201*, 9202*, 9450*	√	√	√	√	√	√	√	√
	9250, 9350	√	√	√					
	9502	√	√	√	√	√	√	√	√
Thrane & Thrane	Explorer 100/110	√	√	√					
	Explorer 300, 500, 700	√	√	√	√	√			
	Explorer 325, 527, 727	√	√	√	√	√			
Addvalue	Sabre 1 Remote	√	√	√	√	√	√		
	Sabre 1	√	√	√					
	Sabre Ranger	√	√	√	√	√			

Notes:

*Remote control functions to be activated by PIN from HNS

** Network and Connect status available when the APNs of the legacy Stratos network are used.

Functions and categories

Basic Remote Terminal Manager functions

Network information

Based on the information retrieved from the Inmarsat Network RTM provides the following overviews:

<i>Retrieve Connection status</i>	Get an immediate insight if a terminal is online and the number of active data connections it has.
<i>Retrieve call history</i>	Get an historic overview of successful and failed data connections. Get an overview of remote control commands sent to the terminal and the associated reply.
<i>Report Session Failure Details</i>	In case connections fail, RTM will show the reason for failure

Note: The above information is available if the legacy Stratos APNs are used for the data connections

Alert Service

<i>Connection Alert</i>	RTM will allow for an alert notification to be sent when a data connection is started by the terminals or when it gets disconnected. The alert can be configured to be sent to multiple destinations.
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SMS

<i>Free form SMS</i>	When needed a free form text message can be sent to the terminal from within the RTM application.
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Remote Control functions

Data Connection control

The following options for data connection control are offered in RTM:

<i>Wake up and stop Data connection</i>	RTM allows for the remote activation of an IP or Streaming connection, ready to be used by remote applications to exchange data.
<i>Set up multiple connections</i>	If the terminal supports multiple connections, RTM is able to remotely activate multiple PDP contexts.
<i>Automatic PDP Context restart</i>	The RTM application can be configured to automatically restart a PDP context if a connection fails
<i>Wake up for Specific UT device</i>	Depending on terminal capabilities, it is possible to activate connection for specific devices connected to the remote terminal

Remote Terminal Manager

Advanced data connection control

Wake up for specific APN

If Terminal and SIM capabilities allow, connections can be activated for specific APN's

Wake up with non-default profile

When multiple profiles are created for the SIM, the connection can be remotely activated using a specific profile

Configure APN

If the SIM allows multiple APNS to be used, the preferred APN can be configured for use in RTM

Remote Terminal Control

Reboot

Form within the RTM application it is possible to instruct the terminal to reboot itself. The RTM application will report when the terminals is available again.

Remote Firmware upgrade

For terminals that support remote Firmware upgrade, RTM provides the options to initiate a firmware upload and activate the firmware once uploaded.

Terminal Status and Information

Depending on the capability of the terminal, the RTM service provides functions to retrieve Status information and geographic location from the terminal. The status information retrieved from the terminals may contain:

- Signal Level,
- Spotbeam Information
- IP address of the terminal
- Firmware version
- Serial number and IMSI
- Uptime
- GPS Location

GPS Position and Mapping services

If the terminal supports the retrieval of its geographical position, RTM will provide the following functions:

- Plot and present the last know position on a world map.
- Provide a color indication to show if a terminal has an active data session
- Plot all terminals on a map in the terminal overview
- The option to automatically retrieve a position from the terminal when a new data connection is setup

Find out more

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