

TRB255 Events Reporting

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The information in this page is updated in accordance with firmware version [TRB2_R_00.07.04.5](#).

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Summary

The **Events Reporting** feature provides the possibility to configure rules that inform via SMS or email when certain trigger events occur.

This page is an overview of the Events Reporting section for TRB255 devices.

Events Reporting Rules

The **Events Reporting Rules** section is used to manage existing Events Reporting rules and to add new ones. Events Reporting Rules trigger on certain, user specified events and send an SMS message or email to a specified number informing of the occurred event.

All possible trigger events are listed in the table below.

Event	Description
Config change	Informs on changes to the device's configuration. Possible triggers are: <ul style="list-style-type: none">• <i>Any config change</i>• <i>Specific config change</i>
GPS	Informs on when the device has entered or left a user defined geofence zone. Possible triggers are: <ul style="list-style-type: none">• <i>Entered geofence</i>• <i>Left geofence</i>• <i>All</i>

Mobile data	<p>Informs on changes to the state of the device's mobile connection. Possible triggers are:</p> <ul style="list-style-type: none"> • <i>Connected</i> • <i>Disconnected</i> • <i>All</i>
New DHCP client	<p>Informs on new DHCP lease give outs. Possible triggers are:</p> <ul style="list-style-type: none"> • <i>Connected from LAN</i> <p>Informs after device reboot occurrences. Possible triggers are:</p> <ul style="list-style-type: none"> • <i>From button</i> • <i>From Input/Output</i> • <i>From Ping Reboot</i> • <i>From Reboot Scheduler</i> • <i>From WebUI</i> • <i>From SMS</i> • <i>All</i>
Reboot	
Signal strength	<p>Informs on signal strength changes. Possible triggers are:</p> <ul style="list-style-type: none"> • <i>- 121 dBm - 113 dBm</i> • <i>- 113 dBm - 98 dBm</i> • <i>- 98 dBm - 93 dBm</i> • <i>- 93 dBm - 75 dBm</i> • <i>- 75 dBm - 60 dBm</i> • <i>- 60 dBm - 50 dBm</i> • <i>All</i>
SMS	<p>Informs on received SMS messages. Possible triggers are:</p> <ul style="list-style-type: none"> • <i>SMS received</i>
SSH	<p>Informs on successful or unsuccessful SSH login attempts. Possible triggers are:</p> <ul style="list-style-type: none"> • <i>Successful authentication</i> • <i>Unsuccessful authentication</i> • <i>All</i>
WebUI	<p>Informs on successful or unsuccessful HTTP/HTTPS login attempts. Possible triggers are:</p> <ul style="list-style-type: none"> • <i>Successful authentication</i> • <i>Unsuccessful authentication</i> • <i>All</i>

Events Reporting Configuration

The Events Reporting Rules list is empty by default. Before you can begin configuration you must add at least one new rule. This can be done by clicking the 'Add' button:

^ EVENTS REPORTING RULES

EVENT TYPE	EVENT SUBTYPE	ACTION
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There are no events reporting rules created yet

ADD

SAVE & APPLY

After adding a rule you should be redirected to its configuration page.

Send SMS

One of the two Events Reporting types is **via SMS messages**. When an Events Reporting rule is configured to send SMS, the devices will send out an SMS message from the currently active SIM card to the phone number specified in a rule's configuration.

EVENTS REPORTING CONFIGURATION

Enable

Event type

Event subtype

Action

Message text on Event

Event type - %et	Event text - %ex	New line - %nl
Time stamp - %ts	Device name - %rn	Serial number - %sn
Current FW version - %fc	LAN IP address - %li	Monitoring status - %ms
Wired WAN IP addresses - %wi	LAN MAC address - %lm	WAN MAC address - %wm
SIM slot in use - %su	Mobile IP addresses - %mi	Signal strength - %ss
Operator name - %on	Connection type - %ct	Data connection state - %cs
Network state - %ns	IMSI - %im	IMEI - %ie
Modem model - %md	Modem serial number - %is	SIM pin state - %ps
SIM state - %st	RSCP - %cp	ECIO - %ec
ICCID - %ic	CELLID - %ci	Network serving - %sv
RSRP - %rp	SINR - %sr	RSRQ - %rq
Neighbour cells - %nb	Network info - %ni	

Recipients

Recipient's phone number

[SAVE & APPLY](#)

Field	Value	Description
Enable	off on; default: off	Turns the rule on or off.
Event	Config change New DHCP client Mobile data Send SMS Signal Strength Reboot SSH WebUI GPS; default: Config change	The event that you wish to receive notifications on.
Event type	Varies	Specific event sub-type that will trigger the rule. The value of this field changes in accordance with the selection of the 'Event' field.
Action	Send SMS Send email; default: Send Email	Selects the method of reporting on the specified event.
Message text on Event	string; default: Router name - %rn; Event type - %et; Event text - %ex; Time stamp - %ts;	Text to be included in the body of the report message.
Recipients	Single Group; default: Single	Specifies whether the recipient should be a single number or a group of numbers.

Recipient's phone number phone number; default: **none**

Phone number of the recipient. The phone number must be entered in the international format, without spaces or other symbols (for example: +37068163951)

Send email

When an Events Reporting rule is configured to **send emails**, the device (this TRB255) will connect to an existing email account when a user specified trigger event occurs and send an email to another email address informing of the occurred event.

In order to send emails, the device requires access to an existing email account. You can configure email accounts in the **System** → **Administration** → [Recipients](#) page. Allowing access to less secure apps may be required for some email service providers.

EVENTS REPORTING CONFIGURATION

Enable off on

Event type

Event subtype

Action

Subject

Message text on Event

Event type - %et	Event text - %ex	New line - %nl
Time stamp - %ts	Device name - %rn	Serial number - %sn
Current FW version - %fc	LAN IP address - %li	Monitoring status - %ms
Wired WAN IP addresses - %wi	LAN MAC address - %lm	WAN MAC address - %wm
SIM slot in use - %su	Mobile IP addresses - %mi	Signal strength - %ss
Operator name - %on	Connection type - %ct	Data connection state - %cs
Network state - %ns	IMSI - %im	IMEI - %ie
Modem model - %md	Modem serial number - %is	SIM pin state - %ps
SIM state - %st	RSCP - %cp	ECIO - %ec
ICCID - %ic	CELLID - %ci	Network serving - %sv
RSRP - %rp	SINR - %sr	RSRQ - %rq
Neighbour cells - %nb	Network info - %ni	

Email account

Recipient's email address

Send test email

Field	Value	Description
Enable	off on; default: on	Turns the rule on or off.
Event	Config change New DHCP client Mobile data Send SMS Signal Strength Reboot SSH WebUI GPS; default: Config change	The event that you wish to receive notifications on.
Event type	Varies	Specific event sub-type that will trigger the rule. The value of this field changes in accordance with the selection of the 'Event' field.

Action	Send SMS Send email; default: Send email	Selects the method of reporting on the specified event.
Subject	string; default: none	Subject of the sent email.
Message text on Event	string; default: Router name - %rn; Event type - %et; Event text - %ex; Time stamp - %ts;	Text to be included in the body of the report email.
Email account	email account; default: none	The account that will be used to send an email.
Recipient's email address	email address; default: none	Email address of the recipient.
Send test email	- (interactive button)	Sends an email based on the current configuration. This is used to test whether the configuration works as intended.