How to generate SMS event?
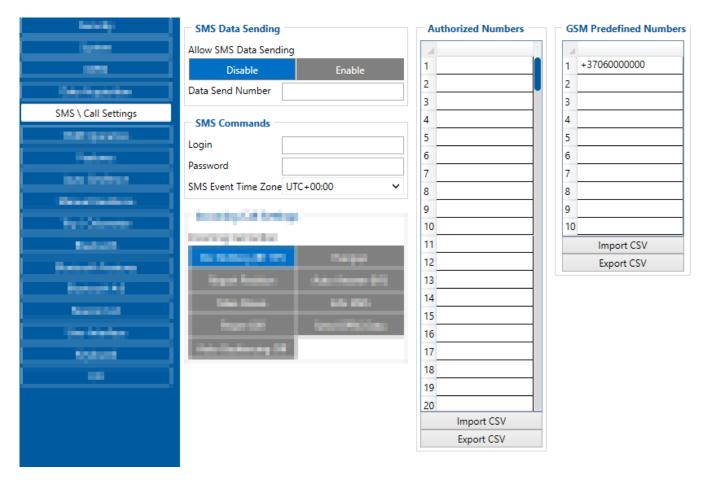
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This is applicable to [TMT250](#) | [GH5200](#) | [TAT100](#) | [TST100](#) | [TFT100](#).

Set Up Pre-Defined Numbers

In order to get notification if any of events are trigered the SMS/Call section has to be configured. Most importantly numbers has to be defined in **GSM Predefined Numbers** block. If SMS events are activated but there are no numbers defined in this list, then the device will not send any messages.
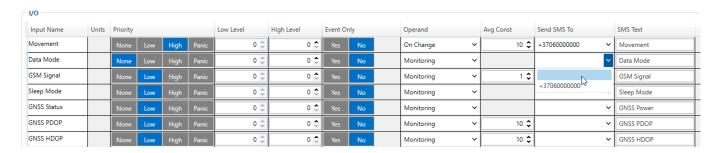

Configure I/O section

SMS events functionality allows device to send a configured SMS when an event is triggered. This event can be triggered by every I/O element. When any of the I/O elements is triggered, device sends a configured SMS message to a defined phone number.

The format of the SMS message which is received after triggered event: `"Date Time Current Coordinate Event Text"`

For example, if device is configured to send an SMS, when *Movement* reaches high level while configured with *High priority* and event generation *on change* (as shown on the figure below), then the sent SMS is:`"2017/06/13 13:52:18 Lon:25.255537 Lat:54.667193 Movemement 1"`

Input Name	Units	Priority				Low Level	High Level	Event Only		Operand		Avg Const	Send SMS To	SMS Text
Movement		None	Low	High	Panic	0	0	Yes	No	On Change	∨	10	+37060000000 ∨	Movement
Data Mode		None	Low	High	Panic	0	0	Yes	No	Monitoring	∨		∨	Data Mode
GSM Signal		None	Low	High	Panic	0	0	Yes	No	Monitoring	∨	1	+37060000000	GSM Signal
Sleep Mode		None	Low	High	Panic	0	0	Yes	No	Monitoring	∨			Sleep Mode
GNSS Status		None	Low	High	Panic	0	0	Yes	No	Monitoring	∨		∨	GNSS Power
GNSS PDOP		None	Low	High	Panic	0	0	Yes	No	Monitoring	∨	10	∨	GNSS PDOP
GNSS HDOP		None	Low	High	Panic	0	0	Yes	No	Monitoring	∨	10	∨	GNSS HDOP

The SMS Text field can be altered and any text can be entered. Maximum message length is 160 symbols (numbers, letters and symbols in ASCII, except for comma symbol ",").

If device is in *Deep Sleep* mode and an SMS event occurs with *Low priority* (which does not wake up the device, then the device does not send the message. It is saved to device memory until it wakes up from *Deep Sleep* mode and GSM modem starts working normally. After it wakes up, all the messages that are saved to memory will be sent, but keep in mind that only 10 messages can be saved to memory – all other messages will not be saved, until there is free memory space.