

# FMC13A SMS events

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SMS events functionality allows FMC13A 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, FMC13A sends a configured SMS message to a defined phone number. If SMS events are activated but there are no numbers defined in *GSM Predefined Numbers* list (similarly as in the picture below), then the device will not send any messages.



The sent SMS messages format is following:

*"Date Time Current Coordinate Event Text"*

For example, if FMC13A is configured to send an SMS, when Ignition reaches high level while configured with *High priority* and event generation on both range entrance and exit (as shown on the figure below), then the sent SMS is:

*"2017/06/13 13:52:18 Lon:25.255537 Lat:54.667193 Ignition 1"*

The screenshot shows the FMC13A configuration interface. At the top, there are buttons for 'Load from device', 'Save to device', 'Update firmware', 'Reset configuration', 'Load from file', 'Save to file', 'Read records', and 'Reboot device'. On the right, there is a 'FMC13A' logo and device information: IMEI 352000000000000, FW 01.00.00 Rev:00, Configuration 1.00.0.0. A left sidebar contains a menu with categories like Status, Security, System, GPRS, Data Acquisition, SMS \ Call Settings, GSM Operators, Features, Accelerometer Features, Auto Geofence, Manual Geofence, Trip \ Odometer, Bluetooth, Bluetooth 4.0, 1-Wire, I/O (highlighted), OBD II, and CAN Adapter. The main area displays an 'I/O' table with columns for Input Name, Units, Priority, Low Level, High Level, Event Only, Operand, Avg Const, Send SMS To, and SMS Text. The 'Priority' column has sub-columns for None, Low, High, and Panic. The 'Event Only' column has sub-columns for Crash, Yes, and No. The 'Send SMS To' column has a dropdown menu.

| Input Name          | Units   | Priority |     |      |       | Low Level | High Level | Event Only |     |    | Operand    | Avg Const | Send SMS To | SMS Text            |
|---------------------|---------|----------|-----|------|-------|-----------|------------|------------|-----|----|------------|-----------|-------------|---------------------|
|                     |         | None     | Low | High | Panic |           |            | Crash      | Yes | No |            |           |             |                     |
| Ignition            |         | None     | Low | High | Panic | 0         | 0          | Crash      | Yes | No | On Change  | 10        |             | Ignition            |
| Movement            |         | None     | Low | High | Panic | 0         | 0          | Crash      | Yes | No | On Change  | 10        |             | Movement            |
| Data Mode           |         | None     | Low | High | Panic | 0         | 0          | Crash      | Yes | No | Monitoring |           |             | Data Mode           |
| GSM Signal          |         | None     | Low | High | Panic | 0         | 0          | Crash      | Yes | No | Monitoring | 1         |             | GSM Signal          |
| Sleep Mode          |         | None     | Low | High | Panic | 0         | 0          | Crash      | Yes | No | Monitoring |           |             | Sleep Mode          |
| GNSS Status         |         | None     | Low | High | Panic | 0         | 0          | Crash      | Yes | No | Monitoring |           |             | GNSS Power          |
| GNSS PDOP           |         | None     | Low | High | Panic | 0         | 0          | Crash      | Yes | No | Monitoring | 10        |             | GNSS PDOP           |
| GNSS HDOP           |         | None     | Low | High | Panic | 0         | 0          | Crash      | Yes | No | Monitoring | 10        |             | GNSS HDOP           |
| External Voltage    | mV      | None     | Low | High | Panic | 0         | 0          | Crash      | Yes | No | Monitoring | 10        |             | External Voltage    |
| Speed               | km/h    | None     | Low | High | Panic | 0         | 0          | Crash      | Yes | No | Monitoring | 1         |             | Speed               |
| GSM Cell ID         |         | None     | Low | High | Panic | 0         | 0          | Crash      | Yes | No | Monitoring |           |             | GSM Cell ID         |
| GSM Area Code       |         | None     | Low | High | Panic | 0         | 0          | Crash      | Yes | No | Monitoring |           |             | GSM Area Code       |
| Battery Voltage     | mV      | None     | Low | High | Panic | 0         | 0          | Crash      | Yes | No | Monitoring | 10        |             | Battery Voltage     |
| Battery Current     | mA      | None     | Low | High | Panic | 0         | 0          | Crash      | Yes | No | Monitoring | 10        |             | Battery Current     |
| Active GSM Operator |         | None     | Low | High | Panic | 0         | 0          | Crash      | Yes | No | Monitoring |           |             | Active GSM Operator |
| Trip Odometer       | m       | None     | Low | High | Panic | 0         | 0          | Crash      | Yes | No | Monitoring |           |             | Trip Odometer       |
| Total Odometer      | m       | None     | Low | High | Panic | 0         | 0          | Crash      | Yes | No | Monitoring |           |             | Total Odometer      |
| Digital Input 1     |         | None     | Low | High | Panic | 0         | 0          | Crash      | Yes | No | Monitoring | 1         |             | Dig. Input 1        |
| Analog Input 1      | mV      | None     | Low | High | Panic | 0         | 0          | Crash      | Yes | No | Monitoring | 10        |             | Analog Input 1      |
| Digital Output 1    |         | None     | Low | High | Panic | 0         | 0          | Crash      | Yes | No | Monitoring | 10        |             | Dig. Output 1       |
| Digital Output 3    |         | None     | Low | High | Panic | 0         | 0          | Crash      | Yes | No | Monitoring | 10        |             | Dig. Output 3       |
| Fuel Used GPS       | ml      | None     | Low | High | Panic | 0         | 0          | Crash      | Yes | No | Monitoring | 1         |             | FC By GNSS          |
| Fuel Rate GPS       | l/h*100 | None     | Low | High | Panic | 0         | 0          | Crash      | Yes | No | Monitoring | 1         |             | FC AVG By GNSS      |
| Axis X              | mG      | None     | Low | High | Panic | 0         | 0          | Crash      | Yes | No | Monitoring | 1         |             | Axis X              |
| Axis Y              | mG      | None     | Low | High | Panic | -4        | 0          | Crash      | Yes | No | Monitoring | 1         |             | Axis Y              |
| Axis Z              | mG      | None     | Low | High | Panic | 0         | 0          | Crash      | Yes | No | Monitoring | 1         |             | Axis Z              |
| ICCID               |         | None     | Low | High | Panic |           |            | Crash      | Yes | No | Monitoring |           |             | ICCID Value         |
| Ground Sense        |         | None     | Low | High | Panic | 0         | 0          | Crash      | Yes | No | Monitoring | 10        |             | Grid. Sense         |
| Digital Input 2     |         | None     | Low | High | Panic | 0         | 0          | Crash      | Yes | No | Monitoring | 1         |             | Dig. Input 2        |

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 FMC13A is in *Deep Sleep* mode and an SMS event occurs with *Low priority* (which does not wake up FMC13A), 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.