

# Template:FMB Device Family Parameter list

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## System parameters

| Parameter ID | Parameter Type | Default value | Value range |     | Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Parameter name               |
|--------------|----------------|---------------|-------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
|              |                |               | Min         | Max |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                              |
| 138          | UInt8          | 2             | 0           | 8   | 1 - Ignition<br>2 - Accelerometer<br>4 - GNSS<br>8 - CAN Speed                                                                                                                                                                                                                                                                                                                                                                                                                 | Movement source              |
| 133          | UInt8          | 0             | 0           | 1   | 0 - GNSS<br>1 - OBD / CAN                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Speed Source                 |
| 106          | UInt8          | 1             | 0           | 1   | 0 - Disable<br>1 - Enable                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Static navigation            |
| 112          | UInt8          | 1             | 0           | 3   | 1 - Movement<br>2 - Ignition                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Static navigation source     |
| 107          | UInt8          | 2             | 0           | 2   | 0 - After Position Fix<br>1 - Always<br>2 - After Time Sync                                                                                                                                                                                                                                                                                                                                                                                                                    | Send/Save records without TS |
| 108          | UInt8          | 1             | 0           | 1   | 0 - Disable<br>1 - Enable                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LED Indication               |
| 109          | UInt8          | 10            | 1           | 15  | 0 - Undefined<br>1 - Beidou only<br>2 - Glonass only<br>3 - Glonass and Beidou not allowed<br>4 - Galileo only<br>5 - Galileo and Beidou<br>6 - Galileo and Glonass<br>7 - Galileo, Glonass and Beidou not allowed<br>8 - Gps only<br>9 - Gps and Beidou<br>10 - Gps and Glonass<br>11 - Gps, Glonass and Beidou not allowed<br>12 - Gps and Galileo<br>13 - Gps, Galileo and Beidou<br>14 - Gps, Galileo and Glonass<br>15 - Gps, Galileo, Glonass and Beidou and not allowed | GNSS source                  |

|            |       |   |   |   |                                                       |                          |
|------------|-------|---|---|---|-------------------------------------------------------|--------------------------|
| <b>110</b> | Uint8 | 0 | 0 | 1 | 0 - On need<br>1 - After ignition on<br>2 - Always    | Battery charge mode      |
| <b>111</b> | Uint8 | 1 | 0 | 1 | Range 10V<br>Range 30V                                | Analog Input Value Range |
| <b>113</b> | Uint8 | 1 | 0 | 1 | 0 - Codec 8<br>1 - Codec 8 Extended<br>2 - Codec JSON | Data Protocol            |
| <b>135</b> | Uint8 | 0 | 0 | 1 | 0 - DIN2/AIN1<br>1 - Ground Sense                     | Input mode               |
| <b>145</b> | Uint8 | 0 | 0 | 1 | 1 - DIN2                                              | Advance Pulse Counters   |

| Parameter ID | Parameter Type | Default value | Value range |      | Value                                                                                                                                                     | Parameter name               |
|--------------|----------------|---------------|-------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
|              |                |               | Min         | Max  |                                                                                                                                                           |                              |
| <b>102</b>   | Uint8          | 2             | 0           | 4    | 0 - Disable<br>1 - GPS sleep<br>2 - Deep sleep<br>3 - Online Deep sleep<br>4 - Ultra Deep sleep<br>6 - Power Off sleep (only for <a href="#">FMB965</a> ) | Sleep settings               |
| <b>103</b>   | Uint16         | 1             | 1           | 3000 | Minutes                                                                                                                                                   | Timeout                      |
| <b>233</b>   | Uint8          | 0             | 0           | 1    | 0 - Disable<br>1 - Enable                                                                                                                                 | 1-wire enabled in DS and ODS |
| <b>60110</b> | Uint16         | 360           | 0           | 3000 | Minutes                                                                                                                                                   | Periodic Wakeup              |
| <b>60111</b> | Uint8          | 1             | 0           | 1    | 0 - Disable<br>1 - Enable                                                                                                                                 | Bluetooth On While In Sleep  |

| Parameter ID | Parameter Type | Default value | Value range |       | Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Parameter name    |
|--------------|----------------|---------------|-------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
|              |                |               | Min         | Max   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |
| <b>101</b>   | Uint8          | 4             | 1           | 14    | 1 - DIN 1<br>2 - Accelerometer<br>3 - Digital Input or Accelerometer<br>4 - Power Voltage<br>5 - Digital Input or Power Voltage<br>6 - Accelerometer or Power Voltage<br>7 - Digital Input, Accelerometer, or Power Voltage<br>8 - Engine RPM<br>9 - Digital Input or Engine RPM<br>10 - Accelerometer or Engine RPM<br>11 - Digital Input, Accelerometer or Engine RPM<br>12 - Power Voltage or Engine RPM<br>13 - Digital Input, Power Voltage or Engine RPM<br>14 - Accelerometer, Power Voltage or Engine RPM | Ignition settings |
| <b>104</b>   | Uint16         | 30000         | 0           | 30000 | mV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | High voltage      |

| <b>105</b>   | Uint16         | 13200           | 0           | 29999   | mV                          | Low voltage                    |
|--------------|----------------|-----------------|-------------|---------|-----------------------------|--------------------------------|
| Parameter ID | Parameter Type | Default value   | Value range |         | Value                       | Parameter name                 |
|              |                |                 | Min         | Max     |                             |                                |
| <b>19001</b> | Uint16         | 2               | 1           | 60      | Seconds                     | Movement Start Delay           |
| <b>19002</b> | Uint16         | 60              | 5           | 300     | Seconds                     | Movement Stop Delay            |
| Parameter ID | Parameter Type | Default value   | Value range |         | Value                       | Parameter name                 |
|              |                |                 | Min         | Max     |                             |                                |
| <b>901</b>   | Uint8          | 0               | 0           | 24      | Hours                       | NTP Resync                     |
| <b>902</b>   | Char           | "pool.ntp.org"  | 0           | 55      | String                      | NTP server 1                   |
| <b>903</b>   | Char           | "time.nist.gov" | 0           | 55      | String                      | NTP server 2                   |
| Parameter ID | Parameter Type | Default value   | Value range |         | Value                       | Parameter name                 |
|              |                |                 | Min         | Max     |                             |                                |
| <b>169</b>   | Uint8          | 1               | 0           | 1       | 0 - Disabled<br>1 - Enable  | Accelerometer Auto Calibration |
| <b>170</b>   | Uint8          | 1               | 0           | 1       | 0 - Disabled<br>1 - Enabled | Gravity Filter                 |
| Parameter ID | Parameter Type | Default value   | Value range |         | Value                       | Parameter name                 |
|              |                |                 | Min         | Max     |                             |                                |
| <b>234</b>   | Uint8          | 0               | 0           | 1       | 0 - Disabled<br>1 - Enable  | Allow AGPS in Home Network     |
| <b>235</b>   | Uint8          | 0               | 0           | 1       | 0 - Disabled<br>1 - Enabled | Allow AGPS in Roaming Network  |
| <b>236</b>   | Unit8          | 0               | 0           | 1       | 0 - Disabled<br>1 - Enabled | Allow AGPS in Unknown Network  |
| <b>237</b>   | Unit8          | 0               | 0           | 1       | 0 - 3 days<br>1 - 6 hours   | AGPS File Duration             |
| Parameter ID | Parameter Type | Default value   | Value range |         | Value                       | Parameter name                 |
|              |                |                 | Min         | Max     |                             |                                |
| <b>19500</b> | Uint8          | 0               | 0           | 1       | 0 - Disabled<br>1 - Enabled | Low Power Mode                 |
| <b>19501</b> | Uint16         | 3600            | 120         | 2592000 | Seconds                     | Min Period                     |
| <b>19502</b> | Uint16         | 60              | 30          | 3600    | Seconds                     | GPS Search Period              |
| <b>19503</b> | Unit16         | 1.3             | 0.1         | 5       |                             | GPS Accuracy (HDOP PDOP VDOP)  |
| <b>19504</b> | Unit16         | 0               | 0           | 20      |                             | GPS Satellites Quantity        |
| <b>19505</b> | Unit16         | 0               | 0           | 255     | Seconds                     | Hold GPS Fix Timeout           |

## GPRS parameters

| Parameter ID | Parameter Type | Default value | Value range |        | Value                     | Parameter name       |
|--------------|----------------|---------------|-------------|--------|---------------------------|----------------------|
|              |                |               | Min         | Max    |                           |                      |
| <b>1000</b>  | Uint32         | 300           | 30          | 259200 | Seconds                   | Open link timeout    |
| <b>1001</b>  | Uint16         | 30            | 5           | 300    | Seconds                   | Response timeout     |
| <b>1002</b>  | Uint8          | 0             | 0           | 1      | 0 - Newest<br>1 - Oldest  | Sort by              |
| <b>1003</b>  | Uint16         | 0             | 0           | 300    | Seconds                   | Network ping timeout |
| <b>1004</b>  | Uint8          | 1             | 0           | 1      | 0 - TCP/IP<br>1 - AVL     | ACK Type             |
| Parameter ID | Parameter Type | Default value | Value range |        | Value                     | Parameter name       |
|              |                |               | Min         | Max    |                           |                      |
| <b>2000</b>  | Uint8          | 1             | 0           | 1      | 0 - Disable<br>1 - Enable | GPRS context         |
| <b>2001</b>  | Char           | ""            | 0           | 32     | String                    | APN                  |

|      |       |    |   |    |                                   |                         |
|------|-------|----|---|----|-----------------------------------|-------------------------|
| 2002 | Char  | "" | 0 | 32 | String                            | APN username            |
| 2003 | Char  | "" | 0 | 32 | String                            | APN password            |
| 2038 | UInt8 | 1  | 0 | 1  | 0 - Disable<br>1 - Enable<br>None | Limit connection errors |
| 2016 | UInt8 | 1  | 0 | 1  | 0 - PAP<br>1 - CHAP               | GPRS Authentication     |

| Parameter ID | Parameter Type | Default value | Value range |       | Value                          | Parameter name |
|--------------|----------------|---------------|-------------|-------|--------------------------------|----------------|
|              |                |               | Min         | Max   |                                |                |
| 2004         | Char           | ""            | 0           | 55    | String                         | Domain         |
| 2005         | UInt16         | 0             | 0           | 65535 | Number                         | Port           |
| 2006         | UInt8          | 0             | 0           | 3     | 0 - TCP<br>1 - UDP<br>3 - MQTT | Protocol       |
| 2020         | UInt8          | 0             | 0           | 1     | 0 - None<br>1 - TLS/DTLS       | TLS Encryption |

| Parameter ID | Parameter Type | Default value | Value range |       | Value                                                  | Parameter name         |
|--------------|----------------|---------------|-------------|-------|--------------------------------------------------------|------------------------|
|              |                |               | Min         | Max   |                                                        |                        |
| 2010         | UInt8          | 0             | 0           | 3     | 0 - Disable<br>1 - Backup<br>2 - Duplicate<br>3 - EGTS | Backup Server Mode     |
| 2007         | Char           | ""            | 0           | 55    | String                                                 | Backup Server Domain   |
| 2008         | UInt16         | 0             | 0           | 65535 | Number                                                 | Backup Server Port     |
| 2009         | UInt8          | 0             | 0           | 3     | 0 - TCP<br>1 - UDP<br>3 - MQTT                         | Backup Server Protocol |
| 2021         | UInt8          | 0             | 0           | 1     | 0 - None<br>1 - TLS/DTLS                               | TLS Encryption         |

| Parameter ID | Parameter Type | Default value   | Value range |       | Value                     | Parameter name  |
|--------------|----------------|-----------------|-------------|-------|---------------------------|-----------------|
|              |                |                 | Min         | Max   |                           |                 |
| 13003        | UInt8          | 1               | 0           | 1     | 0 - Disable<br>1 - Enable | FOTA WEB Status |
| 13000        | Char           | fm.teltonika.lt | 0           | 55    | String                    | FOTA WEB Domain |
| 13001        | UInt16         | 5000            | 0           | 65535 | Number                    | FOTA WEB Port   |
| 13002        | UInt16         | 720             | 30          | 65535 | Number                    | FOTA WEB Period |

| Parameter ID | Parameter Type | Default value | Value range |     | Value                     | Parameter name  |
|--------------|----------------|---------------|-------------|-----|---------------------------|-----------------|
|              |                |               | Min         | Max |                           |                 |
| 2025         | UInt8          | 1             | 0           | 1   | 0 - Disable<br>1 - Enable | Auto APN Search |

## SMS/Call settings

| Parameter ID | Parameter Type | Default value | Value range |     | Value                     | Parameter name         |
|--------------|----------------|---------------|-------------|-----|---------------------------|------------------------|
|              |                |               | Min         | Max |                           |                        |
| 3000         | UInt8          | 0             | 0           | 1   | 0 - Disable<br>1 - Enable | Allow SMS data sending |
| 3001         | Char           | ""            | 0           | 16  | String                    | Data Send Number       |

| Parameter ID | Parameter Type | Default value | Value range         |     | Value     | Parameter name      |
|--------------|----------------|---------------|---------------------|-----|-----------|---------------------|
|              |                |               | Min                 | Max |           |                     |
| 3003         | Char           | ""            | 0                   | 5   | String    | Login               |
| 3004         | Char           | ""            | 0                   | 5   | String    | Password            |
| 3006         | UInt16         | UTC+00:00     | UTC-12:00 UTC+13:00 |     | Time zone | SMS event Time Zone |

| Parameter ID | Parameter Type | Default value | Value range |     | Value | Parameter name |
|--------------|----------------|---------------|-------------|-----|-------|----------------|
|              |                |               | Min         | Max |       |                |

|      |       |   |   |   |                                                                                        |                      |
|------|-------|---|---|---|----------------------------------------------------------------------------------------|----------------------|
| 3005 | Uint8 | 0 | 0 | 4 | 0 - Do nothing<br>1 - Hangup<br>2 - Report position<br>3 - Not used<br>4 - Auto answer | Incoming call action |
|------|-------|---|---|---|----------------------------------------------------------------------------------------|----------------------|

| Parameter ID | Parameter Type | Default value | Value range |                  | Value                                                                                                                                                                 | Parameter name        |
|--------------|----------------|---------------|-------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
|              |                |               | Min         | Max              |                                                                                                                                                                       |                       |
| 3007         | Uint8          | 0             | 0           | 7 (3 for FMB125) | 0 - Disable<br>1 - DIN1<br>2 - Crash event<br>3 - DIN1 and Crash event<br>4 - DIN2<br>5 - DIN1 and DIN2<br>6 - DIN2 and Crash event<br>7 - DIN1, DIN2 and Crash event | Outgoing call trigger |
| 3008         | Uint8          | 0             | 0           | 10               | GSM number                                                                                                                                                            | GSM number index      |

| Parameter ID | Parameter Type | Default value | Value range |     | Value  | Parameter name    |
|--------------|----------------|---------------|-------------|-----|--------|-------------------|
|              |                |               | Min         | Max |        |                   |
| 4000-4199    | Char           | ""            | 0           | 16  | String | Authorized number |

## GSM operators

| Parameter ID | Parameter Type | Default value | Value range |        | Value                     | Parameter name                  |
|--------------|----------------|---------------|-------------|--------|---------------------------|---------------------------------|
|              |                |               | Min         | Max    |                           |                                 |
| 5000-5049    | Uint32         | 0             | 0           | 999999 | Number                    | SIM1 roaming operator list      |
| 9500-9549    | Uint32         | 0             | 0           | 999999 | Number                    | SIM2 roaming/home operator list |
| 5500-5549    | Uint32         | 0             | 0           | 999999 | Number                    | Operator blacklist              |
| Parameter ID | Parameter Type | Default value | Value range |        | Value                     | Parameter name                  |
|              |                |               | Min         | Max    |                           |                                 |
| 6000-6009    | Char           | ""            | 0           | 16     | String                    | Predefined number               |
| Parameter ID | Parameter Type | Default value | Value range |        | Value                     | Parameter name                  |
|              |                |               | Min         | Max    |                           |                                 |
| 2018         | Uint8          | 0             | 0           | 1      | 0 - Disable<br>1 - Enable | Ban List Control                |

## Data acquisition mode parameters

### Home Network GSM operator code "Vehicle on STOP" parameters

| Parameter ID | Parameter Type | Default value | Value range |         | Parameter name    |
|--------------|----------------|---------------|-------------|---------|-------------------|
|              |                |               | Min         | Max     |                   |
| 10000        | Uint16         | 3600          | 0           | 2592000 | Min Period        |
| 10004        | Uint8          | 1             | 1           | 255     | Min Saved Records |
| 10005        | Uint16         | 120           | 0           | 2592000 | Send Period       |

### Home Network GSM operator code "Vehicle MOVING" parameters

| Parameter ID | Parameter Type | Default value | Value range |     | Parameter name |
|--------------|----------------|---------------|-------------|-----|----------------|
|              |                |               | Min         | Max |                |

|              |        |     |   |         |                   |
|--------------|--------|-----|---|---------|-------------------|
| <b>10050</b> | Uint16 | 300 | 0 | 2592000 | Min Period        |
| <b>10051</b> | Uint16 | 100 | 0 | 65535   | Min Distance      |
| <b>10052</b> | Uint8  | 10  | 0 | 180     | Min Angle         |
| <b>10053</b> | Uint8  | 10  | 0 | 100     | Min Speed Delta   |
| <b>10054</b> | Uint8  | 1   | 1 | 255     | Min Saved Records |
| <b>10055</b> | Uint16 | 120 | 0 | 2592000 | Send Period       |

### Roaming Network GSM operator code "Vehicle on STOP" parameters

| Parameter ID | Parameter Type | Default value | Value range |         | Parameter name    |
|--------------|----------------|---------------|-------------|---------|-------------------|
|              |                |               | Min         | Max     |                   |
| <b>10100</b> | Uint16         | 3600          | 0           | 2592000 | Min Period        |
| <b>10104</b> | Uint8          | 1             | 1           | 255     | Min Saved Records |
| <b>10105</b> | Uint16         | 0             | 0           | 2592000 | Send Period       |

### Roaming Network GSM operator code "Vehicle MOVING" parameters

| Parameter ID | Parameter Type | Default value | Value range |         | Parameter name    |
|--------------|----------------|---------------|-------------|---------|-------------------|
|              |                |               | Min         | Max     |                   |
| <b>10150</b> | Uint16         | 300           | 0           | 2592000 | Min Period        |
| <b>10151</b> | Uint16         | 100           | 0           | 65535   | Min Distance      |
| <b>10152</b> | Uint8          | 10            | 0           | 180     | Min Angle         |
| <b>10153</b> | Uint8          | 10            | 0           | 100     | Min Speed Delta   |
| <b>10154</b> | Uint8          | 1             | 1           | 255     | Min Saved Records |
| <b>10155</b> | Uint16         | 0             | 0           | 2592000 | Send Period       |

### Unknown Network GSM operator code "Vehicle on STOP" parameters

| Parameter ID | Parameter Type | Default value | Value range |         | Parameter name    |
|--------------|----------------|---------------|-------------|---------|-------------------|
|              |                |               | Min         | Max     |                   |
| <b>10200</b> | Uint16         | 3600          | 0           | 2592000 | Min Period        |
| <b>10204</b> | Uint8          | 1             | 1           | 255     | Min Saved Records |
| <b>10205</b> | Uint16         | 120           | 0           | 2592000 | Send Period       |

### Unknown Network GSM operator code "Vehicle MOVING" parameters

| Parameter ID | Parameter Type | Default value | Value range |         | Parameter name    |
|--------------|----------------|---------------|-------------|---------|-------------------|
|              |                |               | Min         | Max     |                   |
| <b>10250</b> | Uint16         | 300           | 0           | 2592000 | Min Period        |
| <b>10251</b> | Uint16         | 100           | 0           | 65535   | Min Distance      |
| <b>10252</b> | Uint8          | 10            | 0           | 180     | Min Angle         |
| <b>10253</b> | Uint8          | 10            | 0           | 100     | Min Speed Delta   |
| <b>10254</b> | Uint8          | 1             | 1           | 255     | Min Saved Records |
| <b>10255</b> | Uint16         | 0             | 0           | 2592000 | Send Period       |

# Features parameters

## Green driving parameters

| Parameter ID | Parameter Type | Default value   | Value range |                  | Value                                                                      | Parameter name    |
|--------------|----------------|-----------------|-------------|------------------|----------------------------------------------------------------------------|-------------------|
|              |                |                 | Min         | Max              |                                                                            |                   |
| 11000        | UInt8          | 0               | 0           | 3                | 0 - Disable<br>1 - Low priority<br>2 - High priority<br>3 - Panic priority | Scenario settings |
| 11004        | UInt8          | 2.5             | 0.5         | 10               | m/s <sup>2</sup>                                                           | Max acceleration  |
| 11005        | UInt8          | 2.7             | 0.5         | 10               | m/s <sup>2</sup>                                                           | Max braking       |
| 11006        | UInt8          | 3.4             | 0.5         | 10               | m/s <sup>2</sup>                                                           | Max cornering     |
| 11007        | UInt8          | 0               | 0           | 1                | 0 - GPS<br>1 - Accelerometer                                               | Source            |
| 11008        | uint8          | 0               | 0           | 1                | Enable/Disable                                                             | Duration          |
| 11003        | UInt8          | 0               | 0           | 2 (1 for FMB125) | 0 - None<br>1 - DOUT 1<br>2 - DOUT 2                                       | Output control    |
| 11001        | Int32          | 200             | 100         | 5000             | Milliseconds                                                               | DOUT ON duration  |
| 11002        | Int32          | 200             | 0           | 5000             | Milliseconds                                                               | DOUT OFF duration |
| 7034         | UInt8          | 0               | 0           | 10               | Phone number                                                               | Send SMS to       |
| 8034         | String         | "Green Driving" | 0           | 160              | Text                                                                       | Sms text          |

## Overspeeding scenario parameters

| Parameter ID | Parameter Type | Default value  | Value range |                  | Value                                                                      | Parameter name    |
|--------------|----------------|----------------|-------------|------------------|----------------------------------------------------------------------------|-------------------|
|              |                |                | Min         | Max              |                                                                            |                   |
| 11100        | UInt8          | 0              | 0           | 3                | 0 - Disable<br>1 - Low priority<br>2 - High priority<br>3 - Panic priority | Scenario settings |
| 11104        | UInt16         | 90             | 0           | 260              | km/h                                                                       | Max speed         |
| 11103        | UInt8          | 0              | 0           | 2 (1 for FMB125) | 0 - None<br>1 - DOUT 1<br>2 - DOUT 2                                       | Output control    |
| 11101        | Int32          | 200            | 100         | 5000             | Milliseconds                                                               | DOUT ON duration  |
| 11102        | Int32          | 200            | 0           | 5000             | Milliseconds                                                               | DOUT OFF duration |
| 7032         | UInt8          | 0              | 0           | 10               | Phone number                                                               | Send SMS to       |
| 8032         | String         | "Overspeeding" | 0           | 160              | Text                                                                       | Sms text          |

## Jamming scenario parameters

| Parameter ID | Parameter Type | Default value | Value range |                  | Value                                                                      | Parameter name    |
|--------------|----------------|---------------|-------------|------------------|----------------------------------------------------------------------------|-------------------|
|              |                |               | Min         | Max              |                                                                            |                   |
| 11300        | UInt8          | 0             | 0           | 3                | 0 - Disable<br>1 - Low priority<br>2 - High priority<br>3 - Panic priority | Scenario settings |
| 11303        | UInt8          | 1             | 0           | 1                | 0 - Disable<br>1 - Enable                                                  | Eventual records  |
| 11304        | UInt8          | 0             | 0           | 2 (1 for FMB125) | 0 - None<br>1 - DOUT1<br>2 - DOUT2                                         | Output control    |

|              |        |     |     |       |              |                   |
|--------------|--------|-----|-----|-------|--------------|-------------------|
| <b>11301</b> | Int32  | 200 | 100 | 5000  | Milliseconds | DOUT ON duration  |
| <b>11302</b> | Int32  | 200 | 0   | 5000  | Milliseconds | DOUT OFF duration |
| <b>11305</b> | UInt16 | 60  | 0   | 65535 | Seconds      | Timeout           |

## Immobilizer scenario parameters

| Parameter ID | Parameter Type | Default value               | Value range |                  | Value                                                                      | Parameter name                 |
|--------------|----------------|-----------------------------|-------------|------------------|----------------------------------------------------------------------------|--------------------------------|
|              |                |                             | Min         | Max              |                                                                            |                                |
| <b>11700</b> | UInt8          | 0                           | 0           | 3                | 0 - Disable<br>1 - Low priority<br>2 - High priority<br>3 - Panic priority | Scenario settings              |
| <b>11701</b> | UInt8          | 1                           | 0           | 1                | 0 - Disable<br>1 - Enable                                                  | Eventual records               |
| <b>11702</b> | UInt8          | 0                           | 0           | 2 (1 for FMB125) | 0 - Disable<br>1 - Enable (DOUT 1)<br>2 - Enable (DOUT 2)                  | Output control                 |
| <b>11703</b> | UInt8          | 0                           | 0           | 1                | 0 - Disable<br>1 - Enable                                                  | iButton list check             |
| <b>7140</b>  | UInt8          | 0                           | 0           | 10               | Phone number                                                               | Send SMS to                    |
| <b>8140</b>  | String         | "Immobilizer"               | 0           | 160              | Text                                                                       | Sms text                       |
| <b>60068</b> | UInt16         | 30                          | 1           | 65535            | Seconds                                                                    | Ignition Off timeout           |
| <b>60076</b> | UInt8          | 0                           | 0           | 1                | 0 - Disable<br>1 - Enable                                                  | Alcotester Check               |
| <b>60077</b> | Double         | 0.4                         | 0           | 4                | ‰                                                                          | BAC Threshold                  |
| <b>11708</b> | UInt8          | 1                           | 0           | 1                | 0 - Disable<br>1 - Enable                                                  | Blood Alcohol<br>Content Event |
| <b>7268</b>  | UInt8          | 0                           | 0           | 10               | Phone number                                                               | Send SMS to                    |
| <b>8268</b>  | String         | "Blood" Alcohol<br>Content" | 0           | 160              | Text                                                                       | Sms text                       |

## DOUT control via call scenario parameters

| Parameter ID | Parameter Type | Default value | Value range |                  | Value                                           | Parameter name            |
|--------------|----------------|---------------|-------------|------------------|-------------------------------------------------|---------------------------|
|              |                |               | Min         | Max              |                                                 |                           |
| <b>12000</b> | UInt8          | 0             | 0           | 2 (1 for FMB125) | 0 - None<br>1 - DOUT 1<br>2 - DOUT 2            | Digital Output<br>control |
| <b>12001</b> | UInt8          | 0             | 0           | 3 (1 for FMB125) | 0 - None<br>1 - DIN 1<br>2 - DIN 2<br>3 - DIN 3 | DOUT deactivation         |
| <b>12002</b> | Int32          | 5             | 0           | 2147483647       | Seconds                                         | Duration timeout          |

## DOUT 1 Output type

| Parameter ID | Parameter Type | Default value | Value range |     | Value                      | Parameter name            |
|--------------|----------------|---------------|-------------|-----|----------------------------|---------------------------|
|              |                |               | Min         | Max |                            |                           |
| <b>60067</b> | UInt8          | 0             | 0           | 1   | 0 - Normal<br>1 - Inverted | Digital Output<br>control |

## iButton read notification

| Parameter ID | Parameter Type | Default value | Value range |       | Value                                                                             | Parameter name            |
|--------------|----------------|---------------|-------------|-------|-----------------------------------------------------------------------------------|---------------------------|
|              |                |               | Min         | Max   |                                                                                   |                           |
| 11704        | UInt8_t        | 0             | 0           | 3     | 0 - Disabled<br>1 - DOUT 1<br>2 - DOUT 2 (FMB120)<br>3 - DOUT 3 (only for FMB130) | Digital Output control    |
| 11705        | UInt16_t       | 200           | 100         | 50000 | Milliseconds                                                                      | DOUT duration             |
| 11706        | UInt8_t        | 0             | 0           | 1     | 0 - Disabled<br>1 - Enabled                                                       | iButton notification list |
| 11707        | UInt8_t        | 0             | 0           | 1     | 0 - Disabled<br>1 - Enabled                                                       | Depend on ignition        |

## Trip/Odometer

### Trip scenario parameters

| Parameter ID | Parameter Type | Default value | Value range |       | Value                                                                      | Parameter name       |
|--------------|----------------|---------------|-------------|-------|----------------------------------------------------------------------------|----------------------|
|              |                |               | Min         | Max   |                                                                            |                      |
| 11800        | UInt8          | 0             | 0           | 3     | 0 - Disable<br>1 - Low priority<br>2 - High priority<br>3 - Panic priority | Scenario settings    |
| 11801        | UInt8          | 1             | 0           | 1     | 0 - Disable<br>1 - Enable                                                  | Eventual records     |
| 11802        | UInt8          | 0             | 0           | 1     | 0 - Continuous<br>1 - Between records                                      | Mode                 |
| 11803        | UInt8          | 5             | 0           | 255   | km/h                                                                       | Start speed          |
| 11804        | UInt16         | 60            | 0           | 65535 | Seconds                                                                    | Ignition off timeout |
| 7031         | UInt8          | 0             | 0           | 10    | Phone number                                                               | Send SMS to          |
| 8031         | String         | "Trip"        | 0           | 160   | Text                                                                       | Sms text             |

### Advanced trip scenario parameters

| Parameter ID | Parameter Type | Default value | Value range |       | Value                     | Parameter name           |
|--------------|----------------|---------------|-------------|-------|---------------------------|--------------------------|
|              |                |               | Min         | Max   |                           |                          |
| 700          | UInt16         | 100           | 0           | 65535 | 0 - Disable               | Eco score allowed events |
| 11805        | UInt8          | 0             | 0           | 1     | 0 - Disable<br>1 - Enable | Remember iButton         |

### Odometer parameters

| Parameter ID | Parameter Type | Default value | Value range |         | Value                            | Parameter name     |
|--------------|----------------|---------------|-------------|---------|----------------------------------|--------------------|
|              |                |               | Min         | Max     |                                  |                    |
| 11806        | UInt8          | 0             | 0           | 2       | 0 - GNSS<br>1 - OBD<br>2 - LVCAN | Calculation source |
| 11807        | UInt32         | 0             | 0           | 4294967 | Kilometer                        | Odometer Value     |

### Private/Business mode scenario parameters

| Parameter ID | Parameter Type | Default value | Value range |     | Value                                                                                                                     | Parameter name        |
|--------------|----------------|---------------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------|-----------------------|
|              |                |               | Min         | Max |                                                                                                                           |                       |
| 11850        | UInt8          | 0             | 0           | 3   | 0 - Disable<br>1 - Low priority<br>2 - High priority<br>3 - Panic priority                                                | Private/Business Mode |
| 11814        | UInt8          | 0             | 0           | 1   | 0 - Disable<br>1 - Enable                                                                                                 | Eventual records      |
| 11811        | UInt8          | 0             | 0           | 3   | 16 - BTAApp<br>32 - NBL-1 Button1<br>64 - NBL-1 Button2<br>128 - FMP100 Button<br>255 - Enable All                        | Triggers              |
| 11813        | UInt8          | 0             | 0           | 3   | 0 - Normal<br>1 - Data sent as Zero<br>2 - Last good known position                                                       | GPS Data Masking      |
| 11815        | UInt8          | 0             | 0           | 1   | 0 - Disable<br>1 - Enable                                                                                                 | Odometer calculation  |
| 11816        | UInt8          | 0             | 0           | 3   | 0 - Disable<br>1 - Towing detection<br>2 - Unplug detection<br>4 - Crash detection<br>8 - Autogeofence<br>15 - Enable All | Deactivate by         |
| 11849        | UInt8          | 0             | 0           | 1   | 0 - External<br>1 - Weekly Schedule                                                                                       | Trigger Type          |

## Weekly Schedule parameters

| Parameter ID | Parameter Type | Default value | Value range |     | Value | Parameter name |
|--------------|----------------|---------------|-------------|-----|-------|----------------|
|              |                |               | Min         | Max |       |                |
| 11839        | UInt16         | 0             | -720        | 840 | GMT+  | Time Zone      |

## Daylight saving scenario parameters

| Parameter ID | Parameter Type | Default value | Value range |     | Value                                                                | Parameter name     |
|--------------|----------------|---------------|-------------|-----|----------------------------------------------------------------------|--------------------|
|              |                |               | Min         | Max |                                                                      |                    |
| 11840        | UInt8          | 0             | 0           | 1   | 0 - Disable<br>1 - Enable                                            | Daylight Saving    |
| 11841        | UInt8          | 0             | 0           | 4   | 0 - First<br>1 - Second<br>2 - Third<br>3 - Fourth<br>4 - Fifth/Last | Start on DLS* week |

|              |        |   |   |      |                                                                                                                                                                           |                     |
|--------------|--------|---|---|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>11842</b> | UInt8  | 1 | 1 | 12   | 1 - January<br>2 - February<br>3 - March<br>4 - April<br>5 - May<br>6 - June<br>7 - July<br>8 - August<br>9 - September<br>10 - October<br>11 - November<br>12 - December | Start on DLS* Month |
| <b>11843</b> | UInt8  | 0 | 0 | 6    | 0 - Monday<br>1 - Tuesday<br>2 - Wednesday<br>3 - Thursday<br>4 - Friday<br>5 - Saturday<br>6 - Sunday                                                                    | Start on DLS* Day   |
| <b>11844</b> | UInt16 | 0 | 0 | 1140 | Minutes                                                                                                                                                                   | Start on DLS* Time  |
| <b>11845</b> | UInt8  | 0 | 0 | 4    | 0 - First<br>1 - Second<br>2 - Third<br>3 - Fourth<br>4 - Fifth/Last                                                                                                      | End on DLS* Week    |
| <b>11846</b> | UInt8  | 1 | 1 | 12   | 1 - January<br>2 - February<br>3 - March<br>4 - April<br>5 - May<br>6 - June<br>7 - July<br>8 - August<br>9 - September<br>10 - October<br>11 - November<br>12 - December | End on DLS* Month   |
| <b>11847</b> | UInt8  | 0 | 0 | 6    | 0 - Monday<br>1 - Tuesday<br>2 - Wednesday<br>3 - Thursday<br>4 - Friday<br>5 - Saturday<br>6 - Sunday                                                                    | End on DLS* Day     |
| <b>11848</b> | UInt16 | 0 | 0 | 1140 | Minutes                                                                                                                                                                   | End on DLS* Time    |

## Weekly schedule scenario parameters

| Parameter ID | Parameter Type | Default value | Value range |      | Value                     | Parameter name                       |
|--------------|----------------|---------------|-------------|------|---------------------------|--------------------------------------|
|              |                |               | Min         | Max  |                           |                                      |
| <b>11818</b> | UInt8          | 1             | 0           | 1    | 0 - Disable<br>1 - Enable | Weekly Schedule<br>Monday Status     |
| <b>11819</b> | UInt16         | 0             | 0           | 1140 | Minutes                   | Weekly Schedule<br>Monday Start Time |
| <b>11820</b> | UInt16         | 0             | 0           | 1140 | Minutes                   | Weekly Schedule<br>Monday End Time   |
| <b>11821</b> | UInt8          | 1             | 0           | 1    | 0 - Disable<br>1 - Enable | Weekly Schedule<br>Tuesday Status    |

|              |        |   |   |      |                           |                                            |
|--------------|--------|---|---|------|---------------------------|--------------------------------------------|
| <b>11822</b> | Uint16 | 0 | 0 | 1140 | Minutes                   | Weekly Schedule<br>Tuesday Start Time      |
| <b>11823</b> | Uint16 | 0 | 0 | 1140 | Minutes                   | Weekly Schedule<br>Tuesday End Time        |
| <b>11824</b> | Uint8  | 1 | 0 | 1    | 0 - Disable<br>1 - Enable | Weekly Schedule<br>Wednesday Status        |
| <b>11825</b> | Uint16 | 0 | 0 | 1140 | Minutes                   | Weekly Schedule<br>Wednesday Start<br>Time |
| <b>11826</b> | Uint16 | 0 | 0 | 1140 | Minutes                   | Weekly Schedule<br>Wednesday End Time      |
| <b>11827</b> | Uint8  | 1 | 0 | 1    | 0 - Disable<br>1 - Enable | Weekly Schedule<br>Thursday Status         |
| <b>11828</b> | Uint16 | 0 | 0 | 1140 | Minutes                   | Weekly Schedule<br>Thursday Start Time     |
| <b>11829</b> | Uint16 | 0 | 0 | 1140 | Minutes                   | Weekly Schedule<br>Thursday End Time       |
| <b>11830</b> | Uint8  | 1 | 0 | 1    | 0 - Disable<br>1 - Enable | Weekly Schedule<br>Friday Status           |
| <b>11831</b> | Uint16 | 0 | 0 | 1140 | Minutes                   | Weekly Schedule<br>Friday Start Time       |
| <b>11832</b> | Uint16 | 0 | 0 | 1140 | Minutes                   | Weekly Schedule<br>Friday End Time         |
| <b>11833</b> | Uint8  | 1 | 0 | 1    | 0 - Disable<br>1 - Enable | Weekly Schedule<br>Saturday Status         |
| <b>11834</b> | Uint16 | 0 | 0 | 1140 | Minutes                   | Weekly Schedule<br>Saturday Start Time     |
| <b>11835</b> | Uint16 | 0 | 0 | 1140 | Minutes                   | Weekly Schedule<br>Saturday End Time       |
| <b>11836</b> | Uint8  | 1 | 0 | 1    | 0 - Disable<br>1 - Enable | Weekly Schedule<br>Sunday Status           |
| <b>11837</b> | Uint16 | 0 | 0 | 1140 | Minutes                   | Weekly Schedule<br>Sunday Start Time       |
| <b>11838</b> | Uint16 | 0 | 0 | 1140 | Minutes                   | Weekly Schedule<br>Sunday End Time         |

- - daylight saving

## AutoGeofencing scenario parameters

| Parameter ID | Parameter Type | Default value  | Value range |         | Value                                                                                                                   | Parameter name                   |
|--------------|----------------|----------------|-------------|---------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------|
|              |                |                | Min         | Max     |                                                                                                                         |                                  |
| <b>20000</b> | Uint8          | 0              | 0           | 3       | 0 - Disable<br>1 - Low priority<br>2 - High priority<br>3 - Panic priority                                              | Priority                         |
| <b>20002</b> | Uint8          | 1              | 0           | 1       | 0 - Disable<br>1 - Enable                                                                                               | Eventual records                 |
| <b>20003</b> | Uint16         | 60             | 0           | 65535   | Seconds                                                                                                                 | Activation timeout               |
| <b>20001</b> | Uint8          | 0              | 0           | 2       | 0 - On exiting zone<br>1 - On entering zone<br>2 - On both                                                              | AutoGeofence event<br>generating |
| <b>20005</b> | Uint8          | 0              | 0           | 5       | 0 - Power voltage<br>1 - Digital input 1<br>2 - Engine RPM<br>3 - Digital input 2<br>4 - Digital input 3<br>5 - iButton | Deactivate by                    |
| <b>20004</b> | Uint32         | 100            | 5           | 1000000 | Value                                                                                                                   | Radius                           |
| <b>7030</b>  | Uint64         | 0              | 0           | 10      | Phone number                                                                                                            | Send SMS to                      |
| <b>8030</b>  | String         | "AutoGeofence" | 0           | 160     | Text                                                                                                                    | Sms text                         |

# Manual Geofence

| Parameter ID | Parameter Type | Default value    | Value range |         | Value                                                                      | Parameter name    |
|--------------|----------------|------------------|-------------|---------|----------------------------------------------------------------------------|-------------------|
|              |                |                  | Min         | Max     |                                                                            |                   |
| 20100        | UInt8          | 0                | 0           | 3       | 0 - Disabled<br>1 - Low<br>2 - High<br>3 - Panic                           | Priority          |
| 20101        | UInt8          | 0                | 0           | 3       | 0 - No event<br>1 - On exiting zone<br>2 - On entering zone<br>3 - On both | Operand           |
| 20102        | UInt8          | 1                | 0           | 1       | 0 - Disable<br>1 - Enable                                                  | Eventual records  |
| 20103        | UInt32         | 1                | 0           | 1000000 | Border value                                                               | Frame border      |
| 20104        | UInt8          | 0                | 0           | 1       | 0 - Circle<br>1 - Rectangle                                                | Shape type        |
| 20105        | UInt32         | 5                | 0           | 1000000 | Metres                                                                     | Radius            |
| 20106        | Double         | 0                | -180        | 180     | Coordinate                                                                 | X1                |
| 20107        | Double         | 0                | -90         | 90      | Coordinate                                                                 | Y1                |
| 20108        | Double         | 0                | -180        | 180     | Coordinate                                                                 | X2                |
| 20109        | Double         | 0                | -90         | 90      | Coordinate                                                                 | Y2                |
| 20110        | UInt8          | 0                | 0           | 1       | 0 - Disable<br>1 - Enable                                                  | Overspeeding      |
| 20111        | UInt16         | 90               | 0           | 1000    | km/h                                                                       | Max allowed speed |
| 7025         | UInt8          | 0                | 0           | 10      | Phone number                                                               | Send SMS to       |
| 8025         | String         | "Geozone Zone #" | 0           | 160     | Text                                                                       | SMS text          |

Similarly to a group defined in the upper table:

| Zone number | Parameter |                  |                  |              |            |        |       |       |       |       |              |                   |             |          |  |
|-------------|-----------|------------------|------------------|--------------|------------|--------|-------|-------|-------|-------|--------------|-------------------|-------------|----------|--|
|             | Priority  | Event generating | Eventual records | Frame border | Shape type | Radius | X1    | Y1    | X2    | Y2    | Overspeeding | Max allowed speed | Send sms to | SMS text |  |
| 1           | 20100     | 20101            | 20102            | 20103        | 20104      | 20105  | 20106 | 20107 | 20108 | 20109 | 20110        | 20111             | 7025        | 8025     |  |
| 2           | 20120     | 20121            | 20122            | 20123        | 20124      | 20125  | 20126 | 20127 | 20128 | 20129 | 20130        | 20131             | 7026        | 8026     |  |
| 3           | 20140     | 20141            | 20142            | 20143        | 20144      | 20145  | 20146 | 20147 | 20148 | 20149 | 20150        | 20151             | 7027        | 8027     |  |
| 4           | 20160     | 20161            | 20162            | 20163        | 20164      | 20165  | 20166 | 20167 | 20168 | 20169 | 20170        | 20171             | 7028        | 8028     |  |
| 5           | 20180     | 20181            | 20182            | 20183        | 20184      | 20185  | 20186 | 20187 | 20188 | 20189 | 20190        | 20191             | 7029        | 8029     |  |
| 6           | 20200     | 20201            | 20202            | 20203        | 20204      | 20205  | 20206 | 20207 | 20208 | 20209 | 20210        | 20211             | 7071        | 8071     |  |
| 7           | 20220     | 20221            | 20222            | 20223        | 20224      | 20225  | 20226 | 20227 | 20228 | 20229 | 20230        | 20231             | 7072        | 8072     |  |
| 8           | 20240     | 20241            | 20242            | 20243        | 20244      | 20245  | 20246 | 20247 | 20248 | 20249 | 20250        | 20251             | 7073        | 8073     |  |
| 9           | 20260     | 20261            | 20262            | 20263        | 20264      | 20265  | 20266 | 20267 | 20268 | 20269 | 20270        | 20271             | 7074        | 8074     |  |
| 10          | 20280     | 20281            | 20282            | 20283        | 20284      | 20285  | 20286 | 20287 | 20288 | 20289 | 20290        | 20291             | 7075        | 8075     |  |
| 11          | 20300     | 20301            | 20302            | 20303        | 20304      | 20305  | 20306 | 20307 | 20308 | 20309 | 20310        | 20311             | 7076        | 8076     |  |
| 12          | 20320     | 20321            | 20322            | 20323        | 20324      | 20325  | 20326 | 20327 | 20328 | 20329 | 20330        | 20331             | 7077        | 8077     |  |
| 13          | 20340     | 20341            | 20342            | 20343        | 20344      | 20345  | 20346 | 20347 | 20348 | 20349 | 20350        | 20351             | 7078        | 8078     |  |
| 14          | 20360     | 20361            | 20362            | 20363        | 20364      | 20365  | 20366 | 20367 | 20368 | 20369 | 20370        | 20371             | 7079        | 8079     |  |
| 15          | 20380     | 20381            | 20382            | 20383        | 20384      | 20385  | 20386 | 20387 | 20388 | 20389 | 20390        | 20391             | 7080        | 8080     |  |
| 16          | 20400     | 20401            | 20402            | 20403        | 20404      | 20405  | 20406 | 20407 | 20408 | 20409 | 20410        | 20411             | 7081        | 8081     |  |
| 17          | 20420     | 20421            | 20422            | 20423        | 20424      | 20425  | 20426 | 20427 | 20428 | 20429 | 20430        | 20431             | 7082        | 8082     |  |
| 18          | 20440     | 20441            | 20442            | 20443        | 20444      | 20445  | 20446 | 20447 | 20448 | 20449 | 20450        | 20451             | 7083        | 8083     |  |
| 19          | 20460     | 20461            | 20462            | 20463        | 20464      | 20465  | 20466 | 20467 | 20468 | 20469 | 20470        | 20471             | 7084        | 8084     |  |
| 20          | 20480     | 20481            | 20482            | 20483        | 20484      | 20485  | 20486 | 20487 | 20488 | 20489 | 20490        | 20491             | 7085        | 8085     |  |
| 21          | 20500     | 20501            | 20502            | 20503        | 20504      | 20505  | 20506 | 20507 | 20508 | 20509 | 20510        | 20511             | 7086        | 8086     |  |
| 22          | 20520     | 20521            | 20522            | 20523        | 20524      | 20525  | 20526 | 20527 | 20528 | 20529 | 20530        | 20531             | 7087        | 8087     |  |
| 23          | 20540     | 20541            | 20542            | 20543        | 20544      | 20545  | 20546 | 20547 | 20548 | 20549 | 20550        | 20551             | 7088        | 8088     |  |
| 24          | 20560     | 20561            | 20562            | 20563        | 20564      | 20565  | 20566 | 20567 | 20568 | 20569 | 20570        | 20571             | 7089        | 8089     |  |
| 25          | 20580     | 20581            | 20582            | 20583        | 20584      | 20585  | 20586 | 20587 | 20588 | 20589 | 20590        | 20591             | 7090        | 8090     |  |
| 26          | 20600     | 20601            | 20602            | 20603        | 20604      | 20605  | 20606 | 20607 | 20608 | 20609 | 20610        | 20611             | 7091        | 8091     |  |
| 27          | 20620     | 20621            | 20622            | 20623        | 20624      | 20625  | 20626 | 20627 | 20628 | 20629 | 20630        | 20631             | 7092        | 8092     |  |
| 28          | 20640     | 20641            | 20642            | 20643        | 20644      | 20645  | 20646 | 20647 | 20648 | 20649 | 20650        | 20651             | 7093        | 8093     |  |
| 29          | 20660     | 20661            | 20662            | 20663        | 20664      | 20665  | 20666 | 20667 | 20668 | 20669 | 20670        | 20671             | 7094        | 8094     |  |
| 30          | 20680     | 20681            | 20682            | 20683        | 20684      | 20685  | 20686 | 20687 | 20688 | 20689 | 20690        | 20691             | 7095        | 8095     |  |
| 31          | 20700     | 20701            | 20702            | 20703        | 20704      | 20705  | 20706 | 20707 | 20708 | 20709 | 20710        | 20711             | 7096        | 8096     |  |
| 32          | 20720     | 20721            | 20722            | 20723        | 20724      | 20725  | 20726 | 20727 | 20728 | 20729 | 20730        | 20731             | 7097        | 8097     |  |
| 33          | 20740     | 20741            | 20742            | 20743        | 20744      | 20745  | 20746 | 20747 | 20748 | 20749 | 20750        | 20751             | 7098        | 8098     |  |
| 34          | 20760     | 20761            | 20762            | 20763        | 20764      | 20765  | 20766 | 20767 | 20768 | 20769 | 20770        | 20771             | 7099        | 8099     |  |
| 35          | 20780     | 20781            | 20782            | 20783        | 20784      | 20785  | 20786 | 20787 | 20788 | 20789 | 20790        | 20791             | 7100        | 8100     |  |
| 36          | 20800     | 20801            | 20802            | 20803        | 20804      | 20805  | 20806 | 20807 | 20808 | 20809 | 20810        | 20811             | 7101        | 8101     |  |
| 37          | 20820     | 20821            | 20822            | 20823        | 20824      | 20825  | 20826 | 20827 | 20828 | 20829 | 20830        | 20831             | 7102        | 8102     |  |
| 38          | 20840     | 20841            | 20842            | 20843        | 20844      | 20845  | 20846 | 20847 | 20848 | 20849 | 20850        | 20851             | 7103        | 8103     |  |
| 39          | 20860     | 20861            | 20862            | 20863        | 20864      | 20865  | 20866 | 20867 | 20868 | 20869 | 20870        | 20871             | 7104        | 8104     |  |
| 40          | 20880     | 20881            | 20882            | 20883        | 20884      | 20885  | 20886 | 20887 | 20888 | 20889 | 20890        | 20891             | 7105        | 8105     |  |
| 41          | 20900     | 20901            | 20902            | 20903        | 20904      | 20905  | 20906 | 20907 | 20908 | 20909 | 20910        | 20911             | 7106        | 8106     |  |
| 42          | 20920     | 20921            | 20922            | 20923        | 20924      | 20925  | 20926 | 20927 | 20928 | 20929 | 20930        | 20931             | 7107        | 8107     |  |
| 43          | 20940     | 20941            | 20942            | 20943        | 20944      | 20945  | 20946 | 20947 | 20948 | 20949 | 20950        | 20951             | 7108        | 8108     |  |
| 44          | 20960     | 20961            | 20962            | 20963        | 20964      | 20965  | 20966 | 20967 | 20968 | 20969 | 20970        | 20971             | 7109        | 8109     |  |
| 45          | 20980     | 20981            | 20982            | 20983        | 20984      | 20985  | 20986 | 20987 | 20988 | 20989 | 20990        | 20991             | 7110        | 8110     |  |
| 46          | 21000     | 21001            | 21002            | 21003        | 21004      | 21005  | 21006 | 21007 | 21008 | 21009 | 21010        | 21011             | 7111        | 8111     |  |
| 47          | 21020     | 21021            | 21022            | 21023        | 21024      | 21025  | 21026 | 21027 | 21028 | 21029 | 21030        | 21031             | 7112        | 8112     |  |
| 48          | 21040     | 21041            | 21042            | 21043        | 21044      | 21045  | 21046 | 21047 | 21048 | 21049 | 21050        | 21051             | 7113        | 8113     |  |
| 49          | 21060     | 21061            | 21062            | 21063        | 21064      | 21065  | 21066 | 21067 | 21068 | 21069 | 21070        | 21071             | 7114        | 8114     |  |
| 50          | 21080     | 21081            | 21082            | 21083        | 21084      | 21085  | 21086 | 21087 | 21088 | 21089 | 21090        | 21091             | 7115        | 8115     |  |

## GPS Fuel counter

| Parameter ID | Parameter Type | Default value | Value range |     | Value       | Parameter name                 |
|--------------|----------------|---------------|-------------|-----|-------------|--------------------------------|
|              |                |               | Min         | Max |             |                                |
| 11900        | Double         | 0             | 0           | 50  | L/100km     | City consumption               |
| 11901        | Double         | 0             | 0           | 50  | L/100km     | Highway consumption            |
| 11902        | Double         | 0             | 0           | 50  | L/100km     | Average consumption            |
| 11903        | UInt8          | 30            | 0           | 250 | km/h        | City speed                     |
| 11904        | UInt8          | 90            | 0           | 250 | km/h        | Highway speed                  |
| 11905        | UInt8          | 60            | 0           | 250 | km/h        | Average speed                  |
| 11906        | Double         | 1             | 0.01        | 2   | Coefficient | Correction coefficient         |
| 11907        | Double         | 1             | 0           | 5   | L/h         | Fuel consumption on idling     |
| 11908        | UInt8          | 20            | 0           | 250 | %           | Higher speeds add              |
| 11909        | UInt8          | 50            | 0           | 100 | Value       | Highway consumption every km/h |

## Accelerometer features

### Unplug Detection

| Parameter ID | Parameter Type | Default value | Value range |     | Value                                                                      | Parameter name   |
|--------------|----------------|---------------|-------------|-----|----------------------------------------------------------------------------|------------------|
|              |                |               | Min         | Max |                                                                            |                  |
| 11500        | UInt8          | 0             | 0           | 3   | 0 - Disable<br>1 - Low priority<br>2 - High priority<br>3 - Panic priority | Scenario setting |
| 11501        | UInt8          | 1             | 0           | 1   | 0 - Disable<br>1 - Enable                                                  | Eventual records |
| 11502        | UInt8          | 1             | 0           | 1   | 0 - Simple<br>1 - Advanced                                                 | Detection mode   |
| 7036         | UInt8          | 0             | 0           | 10  | Phone number                                                               | Send SMS to      |
| 8036         | String         | "Unplug"      | 0           | 160 | Text                                                                       | Sms text         |

### Towing Detection

| Parameter ID | Parameter Type | Default value | Value range |       | Value                                                                      | Parameter name     |
|--------------|----------------|---------------|-------------|-------|----------------------------------------------------------------------------|--------------------|
|              |                |               | Min         | Max   |                                                                            |                    |
| 11600        | UInt8          | 0             | 0           | 3     | 0 - Disable<br>1 - Low priority<br>2 - High priority<br>3 - Panic priority | Priority           |
| 11601        | UInt8          | 1             | 0           | 1     | 0 - Disable<br>1 - Enable                                                  | Eventual records   |
| 11602        | UInt16         | 5             | 0           | 65535 | Minutes                                                                    | Activation timeout |
| 11603        | UInt8          | 0             | 0           | 60    | Seconds                                                                    | Event timeout      |
| 11604        | UInt8          | 0             | 0           | 10    | Phone number                                                               | Make call to       |
| 11605        | Double         | 0.22          | 0.1         | 5     | mG                                                                         | Threshold          |
| 11606        | Double         | 1             | 0.1         | 5     | Degrees                                                                    | Angle              |
| 11607        | UInt16         | 1000          | 1           | 5000  | Milliseconds                                                               | Duration           |
| 7035         | UInt8          | 0             | 0           | 10    | Phone number                                                               | Send SMS to        |

|      |        |          |   |     |      |          |
|------|--------|----------|---|-----|------|----------|
| 8035 | String | "Towing" | 0 | 160 | Text | Sms text |
|------|--------|----------|---|-----|------|----------|

## Crash Detection

| Parameter ID | Parameter Type | Default value | Value range |      | Value                                                                      | Parameter name   |
|--------------|----------------|---------------|-------------|------|----------------------------------------------------------------------------|------------------|
|              |                |               | Min         | Max  |                                                                            |                  |
| 11400        | UInt8          | 0             | 0           | 3    | 0 - Disable<br>1 - Low priority<br>2 - High priority<br>3 - Panic priority | Scenario setting |
| 11401        | UInt8          | 5             | 0           | 1000 | Milliseconds                                                               | Duration         |
| 11402        | UInt16         | 1500          | 0           | 7900 | mG                                                                         | Threshold        |
| 11406        | Int8           | 0             | 0           | 1    | 0 - Disable<br>1 - Enable                                                  | Crash trace      |
| 7037         | UInt8          | 0             | 0           | 10   | Phone number                                                               | Send SMS to      |
| 8037         | String         | "Crash"       | 0           | 160  | Text                                                                       | Sms text         |

## Excessive Idling

| Parameter ID | Parameter Type | Default value  | Value range |                  | Value                                                                      | Parameter name    |
|--------------|----------------|----------------|-------------|------------------|----------------------------------------------------------------------------|-------------------|
|              |                |                | Min         | Max              |                                                                            |                   |
| 11200        | UInt8          | 0              | 0           | 3                | 0 - Disable<br>1 - Low priority<br>2 - High priority<br>3 - Panic priority | Scenario settings |
| 11203        | UInt8          | 1              | 0           | 1                | 0 - Disable<br>1 - Enable                                                  | Eventual records  |
| 11205        | UInt8          | 5              | 0           | 3600             | Seconds                                                                    | Time to stoped    |
| 11206        | UInt8          | 2              | 0           | 3600             | Seconds                                                                    | Time to moving    |
| 11204        | UInt8          | 0              | 0           | 2 (1 for FMB125) | 0 - None<br>1 - DOUT 1<br>2 - DOUT 2                                       | Output control    |
| 11201        | Int32          | 200            | 0           | 2147483647       | Milliseconds                                                               | DOUT ON duration  |
| 11202        | Int32          | 200            | 0           | 2147483647       | Milliseconds                                                               | DOUT OFF duration |
| 7033         | UInt8          | 0              | 0           | 10               | Phone number                                                               | Send SMS to       |
| 8033         | String         | "Idling Event" | 0           | 160              | Text                                                                       | Sms text          |

## Motorcycle Fall Detection

| Parameter ID | Parameter Type | Default value | Value range |            | Value                                                                      | Parameter name    |
|--------------|----------------|---------------|-------------|------------|----------------------------------------------------------------------------|-------------------|
|              |                |               | Min         | Max        |                                                                            |                   |
| 13700        | UInt8          | 0             | 0           | 3          | 0 - Disable<br>1 - Low priority<br>2 - High priority<br>3 - Panic priority | Scenario settings |
| 13701        | UInt8          | 45            | 30          | 150        | Degree                                                                     | Angle value       |
| 13702        | UInt8          | 5             | 0           | 60         | Seconds                                                                    | Alarm Delay       |
| 13703        | UInt16         | 15            | 0           | 65500      | Seconds                                                                    | Active Time       |
| 13704        | UInt8          | 0             | 0           | 3          | 0 - Disabled<br>1 - DOUT 1<br>2 - DOUT 2                                   | Active Time       |
| 13705        | UInt32         | 200           | 100         | 2147483647 | Milliseconds                                                               | DOUT ON Duration  |
| 13706        | UInt32         | 200           | 0           | 2147483647 | Milliseconds                                                               | DOUT OFF Duration |
| 7585         | Byte           | 0             | 0           | 10         | Phone number                                                               | Send SMS to       |

|      |        |                         |   |     |      |          |
|------|--------|-------------------------|---|-----|------|----------|
| 8585 | String | MotorcycleFallDetection | 0 | 160 | Text | SMS Text |
|------|--------|-------------------------|---|-----|------|----------|

## Bluetooth

| Parameter ID | Parameter Type | Default value                     | Value range |     | Value                                                       | Parameter name                 |
|--------------|----------------|-----------------------------------|-------------|-----|-------------------------------------------------------------|--------------------------------|
|              |                |                                   | Min         | Max |                                                             |                                |
| 800          | UInt8          | 0                                 | 0           | 2   | 0 - Disable<br>1 - Enable hidden<br>2 - Enable visible      | Scenario settings              |
| 801          | String         | "FMB1YX_(last 7<br>IMEI numbers)" | 0           | 16  | ID                                                          | Local name                     |
| 802          | String         | "5555"                            | 0           | 4   | PIN                                                         | Local PIN                      |
| 803          | UInt8          | 0                                 | 0           | 3   | 0 - PIN only<br>1 - PIN and MAC<br>2 - MAC only<br>3 - None | Security mode                  |
| 804          | String         | 0                                 | 0           | 12  | MAC                                                         | External MAC                   |
| 805          | String         | 0                                 | 0           | 30  | ID                                                          | External name                  |
| 806          | String         | 0                                 | 0           | 8   | PIN                                                         | External PIN                   |
| 807          | UInt8          | 0                                 | 0           | 3   | 0 - None<br>1 - Hands free<br>2 - OBDII<br>3 - Data link    | Security mode                  |
| 830-834      | String         | -                                 | 0           | 12  | MAC list                                                    | Authorized devices<br>MAC list |

| Parameter ID | Parameter Type | Default value | Value range |       | Value                                                       | Parameter name                     |
|--------------|----------------|---------------|-------------|-------|-------------------------------------------------------------|------------------------------------|
|              |                |               | Min         | Max   |                                                             |                                    |
| 1100         | UInt16         | 120           | 120         | 65535 | Seconds                                                     | TZ-BT04/05/05B<br>Update frequency |
| 1110         | UInt8          | 4             | 0           | 6     | 0 - 1<br>1 - 2<br>2 - 3<br>3 - 4<br>4 - 5<br>5 - 6<br>6 - 7 | BT Power Level                     |
| 1111         | UInt8          | 0             | 0           | 4     | ID                                                          | BLE broadcasting<br>service ID     |

## Bluetooth 4.0

### Common Settings

| Parameter ID | Parameter Type | Default value | Value range |       | Value                     | Parameter name               |
|--------------|----------------|---------------|-------------|-------|---------------------------|------------------------------|
|              |                |               | Min         | Max   |                           |                              |
| 1115         | UInt8          | 0             | 0           | 1     | 0 - Disable<br>1 - Enable | Non Stop Scan                |
| 1100         | Int32          | 120           | 30          | 65535 | Seconds                   | TZ-BT04 Update<br>frequency  |
| 1113         | Int32          | 60            | 5           | 120   | Seconds                   | BLE Scan duration            |
| 1114         | Int32          | 30            | 0           | 65535 | Seconds                   | Scan retries untill<br>error |

|      |        |   |   |                   |                                                                                            |                             |
|------|--------|---|---|-------------------|--------------------------------------------------------------------------------------------|-----------------------------|
| 1110 | Int8   | 5 | 1 | 7                 | Range in meters:<br>1 - < 0.5<br>2 - 0.5<br>3 - 11<br>4 - 13<br>5 - 15<br>6 - 27<br>7 - 50 | BTPower                     |
| 1111 | String | - | - | TextMaxLength="4" | -                                                                                          | BLE broadcasting service ID |
| 1112 | Int8   | 1 | 0 | 1                 | 0 - Prohibit<br>1 - Allow                                                                  | BLE connection control      |

## BLE functionalities Connection #1

| Parameter ID | Parameter Type | Default value | Value range |     | Value                                                          | Parameter name           |
|--------------|----------------|---------------|-------------|-----|----------------------------------------------------------------|--------------------------|
|              |                |               | Min         | Max |                                                                |                          |
| 1200         | UInt8          | 0             | 0           | 2   | 0 - Disabled<br>1 - TZ-BT04/05/05B sensor<br>2 - Efento sensor | Working mode             |
| 1201         | UInt8          | 0             | 0           | 8   | ID                                                             | TZ-BT04/05/05B sensor ID |
| 1202         | String         | 0             | 0           | 12  | MAC                                                            | Efento sensor MAC        |

## BLE functionalities Connection #2

| Parameter ID | Parameter Type | Default value | Value range |     | Value                                                          | Parameter name           |
|--------------|----------------|---------------|-------------|-----|----------------------------------------------------------------|--------------------------|
|              |                |               | Min         | Max |                                                                |                          |
| 1250         | UInt8          | 0             | 0           | 2   | 0 - Disabled<br>1 - TZ-BT04/05/05B sensor<br>2 - Efento sensor | Working mode             |
| 1251         | UInt8          | 0             | 0           | 8   | ID                                                             | TZ-BT04/05/05B sensor ID |
| 1252         | String         | 0             | 0           | 12  | MAC                                                            | Efento sensor MAC        |

## BLE functionalities Connection #3

| Parameter ID | Parameter Type | Default value | Value range |     | Value                                                          | Parameter name           |
|--------------|----------------|---------------|-------------|-----|----------------------------------------------------------------|--------------------------|
|              |                |               | Min         | Max |                                                                |                          |
| 1300         | UInt8          | 0             | 0           | 2   | 0 - Disabled<br>1 - TZ-BT04/05/05B sensor<br>2 - Efento sensor | Working mode             |
| 1301         | UInt8          | 0             | 0           | 8   | ID                                                             | TZ-BT04/05/05B sensor ID |
| 1302         | String         | 0             | 0           | 12  | MAC                                                            | Efento sensor MAC        |

## BLE functionalities Connection #4

| Parameter ID | Parameter Type | Default value | Value range |     | Value                                                          | Parameter name           |
|--------------|----------------|---------------|-------------|-----|----------------------------------------------------------------|--------------------------|
|              |                |               | Min         | Max |                                                                |                          |
| 1350         | UInt8          | 0             | 0           | 2   | 0 - Disabled<br>1 - TZ-BT04/05/05B sensor<br>2 - Efento sensor | Working mode             |
| 1351         | UInt8          | -             | 0           | 8   | ID                                                             | TZ-BT04/05/05B sensor ID |
| 1352         | String         | 0             | 0           | 12  | MAC                                                            | Efento sensor MAC        |

## Beacon List Parameters

| Parameter ID | Parameter Type | Default value | Value Range |        | Value                                     | Parameter Name            |
|--------------|----------------|---------------|-------------|--------|-------------------------------------------|---------------------------|
|              |                |               | Min         | Max    |                                           |                           |
| 134          | UInt8          | 0             | 0           | 2      | 0 - Disabled<br>1 - All<br>2 - Configured | Beacon Detection          |
| 136          | UInt8          | 0             | 0           | 1      | 0 - Eventual<br>1 - Periodic              | Beacon Record             |
| 137          | UInt32         | 60            | 0           | 259200 | Seconds                                   | Record Period on Move (s) |
| 139          | UInt32         | 60            | 0           | 259200 | Seconds                                   | Record Period on Stop (s) |

Beacon List

| Parameter ID | iBeacon          | EddyStone             |
|--------------|------------------|-----------------------|
| 1600         |                  |                       |
| ...          | UUID:Major:Minor | Namespace:Instance ID |
| 1624         |                  |                       |

Example:

<login><space><password><space>setparam

1600:4B5C049F515341FCA950D2C264414E10-0005-0006

<login><space><password><space>setparam 1600:00112233445566778899-ABCDE0810047

## Tracking on Demand

| Parameter ID | Parameter Type | Default value | Value range |        | Parameter name                                                                               |
|--------------|----------------|---------------|-------------|--------|----------------------------------------------------------------------------------------------|
|              |                |               | Min         | Max    |                                                                                              |
| 10990        | UInt8          | 10            | 5           | 60     | Tracking period                                                                              |
| 10991        | UInt16         | 600           | 300         | 3600   | Tracking duration                                                                            |
| Parameter ID | Parameter Type | Default value | Value range |        | Parameter name                                                                               |
|              |                |               | Min         | Max    |                                                                                              |
| 10992        | UInt32         | 0             | 0           | 131072 | 0 - Disable<br>1 - DIN1<br>2 - DIN2<br>4 - DIN3<br>8 - DIN4<br>65536 - AIN1<br>131072 - AIN2 |

==iButton List==

| Parameter ID | Parameter Type | Default value | Value range |            | Value | Parameter name  |
|--------------|----------------|---------------|-------------|------------|-------|-----------------|
|              |                |               | Min         | Max        |       |                 |
| 30000-33999  | UInt64         | 0             | 0           | 0xFFFFFFFF | ID    | iButton ID list |

## I/O parameters

| Parameter ID | Parameter Type | Default value | Value range |     | Parameter name    |
|--------------|----------------|---------------|-------------|-----|-------------------|
|              |                |               | Min         | Max |                   |
| 50000        | UInt8          | 1             | 0           | 3   | Ignition Priority |

|       |        |    |   |       |                                        |
|-------|--------|----|---|-------|----------------------------------------|
| 50001 | UInt8  | 5  | 0 | 6     | Ignition <a href="#">Operand</a>       |
| 50002 | UInt8  | 0  | 0 | 1     | Ignition High level                    |
| 50003 | UInt8  | 0  | 0 | 1     | Ignition Low level                     |
| 50004 | UInt8  | 0  | 0 | 1     | Ignition <a href="#">Event only</a>    |
| 50005 | UInt16 | 10 | 0 | 65535 | Ignition Average                       |
| 7000  | UInt8  | 0  | 0 | 10    | Send SMS                               |
| 8000  | String | 0  | 0 | 160   | SMS Text                               |
| 50010 | UInt8  | 1  | 0 | 3     | Movement <a href="#">Priority</a>      |
| 50011 | UInt8  | 5  | 0 | 6     | Movement <a href="#">Operand</a>       |
| 50012 | UInt8  | 0  | 0 | 1     | Movement High level                    |
| 50013 | UInt8  | 0  | 0 | 1     | Movement Low level                     |
| 50014 | UInt8  | 0  | 0 | 1     | Movement <a href="#">Event only</a>    |
| 50015 | UInt16 | 1  | 0 | 65535 | Movement Average                       |
| 7001  | UInt8  | 0  | 0 | 10    | Send SMS                               |
| 8001  | String | 0  | 0 | 160   | SMS Text                               |
| 50020 | UInt8  | 1  | 0 | 3     | Data Mode <a href="#">Priority</a>     |
| 50021 | UInt8  | 3  | 0 | 6     | Data Mode Operand                      |
| 50022 | UInt8  | 0  | 0 | 5     | Data Mode High level                   |
| 50023 | UInt8  | 0  | 0 | 5     | Data Mode Low level                    |
| 50024 | UInt8  | 0  | 0 | 1     | Data Mode <a href="#">Event only</a>   |
| 7002  | UInt8  | 0  | 0 | 10    | Send SMS                               |
| 8002  | String | 0  | 0 | 160   | SMS Text                               |
| 50030 | UInt8  | 1  | 0 | 3     | GSM Signal <a href="#">Priority</a>    |
| 50031 | UInt8  | 3  | 0 | 6     | GSM Signal <a href="#">Operand</a>     |
| 50032 | UInt8  | 0  | 0 | 5     | GSM Signal High level                  |
| 50033 | UInt8  | 0  | 0 | 5     | GSM Signal Low level                   |
| 50034 | UInt8  | 0  | 0 | 1     | GSM Signal <a href="#">Event only</a>  |
| 50035 | UInt16 | 1  | 0 | 65535 | GSM Signal Average                     |
| 7003  | UInt8  | 0  | 0 | 10    | Send SMS                               |
| 8003  | String | 0  | 0 | 160   | SMS Text                               |
| 50040 | UInt8  | 1  | 0 | 3     | Deep Sleep <a href="#">Priority</a>    |
| 50041 | UInt8  | 3  | 0 | 6     | Deep Sleep <a href="#">Operand</a>     |
| 50042 | UInt8  | 0  | 0 | 2     | Deep Sleep High level                  |
| 50043 | UInt8  | 0  | 0 | 2     | Deep Sleep Low level                   |
| 50044 | UInt8  | 0  | 0 | 1     | Deep Sleep <a href="#">Event only</a>  |
| 7004  | UInt8  | 0  | 0 | 10    | Send SMS                               |
| 8004  | String | 0  | 0 | 160   | SMS Text                               |
| 50050 | UInt8  | 1  | 0 | 3     | GNSS Status <a href="#">Priority</a>   |
| 50051 | UInt8  | 3  | 0 | 6     | GNSS Status <a href="#">Operand</a>    |
| 50052 | UInt8  | 0  | 0 | 5     | GNSS Status High level                 |
| 50053 | UInt8  | 0  | 0 | 5     | GNSS Status Low level                  |
| 50053 | UInt8  | 0  | 0 | 1     | GNSS Status <a href="#">Event only</a> |
| 7005  | UInt8  | 0  | 0 | 10    | Send SMS                               |
| 8005  | String | 0  | 0 | 160   | SMS Text                               |
| 50060 | UInt8  | 0  | 0 | 3     | GNSS PDOP <a href="#">Priority</a>     |
| 5061  | UInt8  | 3  | 0 | 6     | GNSS PDOP <a href="#">Operand</a>      |
| 5062  | UInt16 | 0  | 0 | 1000  | GNSS PDOP High level                   |
| 5063  | UInt16 | 0  | 0 | 1000  | GNSS PDOP Low level                    |
| 5064  | UInt8  | 0  | 0 | 1     | GNSS PDOP <a href="#">Event only</a>   |
| 5065  | UInt16 | 10 | 0 | 65535 | GNSS PDOP Average                      |
| 7006  | UInt8  | 0  | 0 | 10    | Send SMS                               |
| 8006  | String | 0  | 0 | 160   | SMS Text                               |
| 50070 | UInt8  | 1  | 0 | 3     | GNSS HDOP <a href="#">Priority</a>     |
| 50071 | UInt8  | 3  | 0 | 6     | GNSS HDOP <a href="#">Operand</a>      |
| 50072 | UInt16 | 0  | 0 | 1000  | GNSS HDOP High level                   |
| 50073 | UInt16 | 0  | 0 | 1000  | GNSS HDOP Low level                    |
| 50074 | UInt8  | 0  | 0 | 1     | GNSS HDOP <a href="#">Event only</a>   |
| 50075 | UInt16 | 10 | 0 | 65535 | GNSS HDOP Average                      |
| 7007  | UInt8  | 0  | 0 | 10    | Send SMS                               |

|       |        |      |   |         |                                                |
|-------|--------|------|---|---------|------------------------------------------------|
| 8007  | String | 0    | 0 | 160     | SMS Text                                       |
| 50080 | UInt8  | 1    | 0 | 3       | External Voltage <a href="#">Priority</a>      |
| 50081 | UInt8  | 6    | 0 | 6       | External Voltage <a href="#">Operand</a>       |
| 50082 | UInt16 | 1000 | 0 | 60000   | External Voltage High level                    |
| 50083 | UInt16 | 0    | 0 | 60000   | External Voltage Low level                     |
| 50084 | UInt8  | 0    | 0 | 1       | External Voltage <a href="#">Event only</a>    |
| 50085 | UInt16 | 10   | 0 | 65535   | External Voltage Average                       |
| 7008  | UInt8  | 0    | 0 | 10      | Send SMS                                       |
| 8008  | String | 0    | 0 | 160     | SMS Text                                       |
| 50090 | UInt8  | 1    | 0 | 3       | Speed <a href="#">Priority</a>                 |
| 50091 | UInt8  | 3    | 0 | 6       | Speed <a href="#">Operand</a>                  |
| 50092 | UInt16 | 0    | 0 | 300     | Speed High level                               |
| 50093 | UInt16 | 0    | 0 | 300     | Speed Low level                                |
| 50094 | UInt8  | 0    | 0 | 1       | Speed <a href="#">Event only</a>               |
| 50095 | UInt16 | 1    | 0 | 65535   | Speed Average                                  |
| 7009  | UInt8  | 0    | 0 | 10      | Send SMS                                       |
| 8009  | String | 0    | 0 | 160     | SMS Text                                       |
| 50100 | UInt8  | 0    | 0 | 3       | GSM Cell ID <a href="#">Priority</a>           |
| 50101 | UInt8  | 3    | 0 | 6       | GSM Cell ID <a href="#">Operand</a>            |
| 50102 | UInt32 | 0    | 0 | 999999  | GSM Cell ID High level                         |
| 50103 | UInt32 | 0    | 0 | 999999  | GSM Cell ID Low level                          |
| 50104 | UInt8  | 0    | 0 | 1       | GSM Cell ID <a href="#">Event only</a>         |
| 7010  | UInt8  | 0    | 0 | 10      | Send SMS                                       |
| 8010  | String | 0    | 0 | 160     | SMS Text                                       |
| 50110 | UInt8  | 0    | 0 | 3       | GSM Area Code <a href="#">Priority</a>         |
| 50111 | UInt8  | 3    | 0 | 6       | GSM Area Code <a href="#">Operand</a>          |
| 50112 | UInt32 | 0    | 0 | 999999  | GSM Area Code High level                       |
| 50113 | UInt32 | 0    | 0 | 999999  | GSM Area Code Low level                        |
| 50114 | UInt8  | 0    | 0 | 1       | GSM Area Code <a href="#">Event only</a>       |
| 7011  | UInt8  | 0    | 0 | 10      | Send SMS                                       |
| 8011  | String | 0    | 0 | 160     | SMS Text                                       |
| 50120 | UInt8  | 1    | 0 | 3       | Battery Voltage <a href="#">Priority</a>       |
| 50121 | UInt8  | 3    | 0 | 6       | Battery Voltage <a href="#">Operand</a>        |
| 50122 | UInt16 | 0    | 0 | 5000    | Battery Voltage High level                     |
| 50123 | UInt16 | 0    | 0 | 5000    | Battery Voltage Low level                      |
| 50124 | UInt8  | 0    | 0 | 1       | Battery Voltage <a href="#">Event only</a>     |
| 50125 | UInt8  | 0    | 0 | 10      | Battery Voltage Average                        |
| 7012  | UInt8  | 0    | 0 | 10      | Send SMS                                       |
| 8012  | String | 0    | 0 | 160     | SMS Text                                       |
| 50130 | UInt8  | 1    | 0 | 3       | Battery Current <a href="#">Priority</a>       |
| 50131 | UInt8  | 3    | 0 | 6       | Battery Current <a href="#">Operand</a>        |
| 50132 | UInt16 | 0    | 0 | 5000    | Battery Current High level                     |
| 50133 | UInt16 | 0    | 0 | 5000    | Battery Current Low level                      |
| 50134 | UInt8  | 0    | 0 | 1       | Battery Current <a href="#">Event only</a>     |
| 50135 | UInt8  | 0    | 0 | 10      | Battery Current Average                        |
| 7013  | UInt8  | 0    | 0 | 10      | Send SMS                                       |
| 8013  | String | 0    | 0 | 160     | SMS Text                                       |
| 50140 | UInt8  | 0    | 0 | 3       | Active GSM Operator <a href="#">Priority</a>   |
| 50141 | UInt8  | 3    | 0 | 6       | Active GSM Operator <a href="#">Operand</a>    |
| 50142 | UInt32 | 0    | 0 | 999999  | Active GSM Operator High level                 |
| 50143 | UInt32 | 0    | 0 | 999999  | Active GSM Operator Low level                  |
| 50144 | UInt8  | 0    | 0 | 1       | Active GSM Operator <a href="#">Event only</a> |
| 7014  | UInt8  | 0    | 0 | 10      | Send SMS                                       |
| 8014  | String | 0    | 0 | 160     | SMS Text                                       |
| 50150 | UInt8  | 0    | 0 | 3       | Trip Odometer <a href="#">Priority</a>         |
| 50151 | UInt8  | 3    | 0 | 6       | Trip Odometer <a href="#">Operand</a>          |
| 50152 | UInt32 | 0    | 0 | 1000000 | Trip Odometer High level                       |
| 50153 | UInt32 | 0    | 0 | 1000000 | Trip Odometer Low level                        |
| 50154 | UInt8  | 0    | 0 | 1       | Trip Odometer <a href="#">Event only</a>       |

|       |        |    |       |          |                                             |
|-------|--------|----|-------|----------|---------------------------------------------|
| 7015  | UInt8  | 0  | 0     | 10       | Send SMS                                    |
| 8015  | String | 0  | 0     | 160      | SMS Text                                    |
| 50160 | UInt8  | 0  | 0     | 3        | Total Odometer <a href="#">Priority</a>     |
| 50161 | UInt8  | 3  | 0     | 6        | Total Odometer <a href="#">Operand</a>      |
| 50162 | UInt32 | 0  | 0     | 10000000 | Total Odometer High level                   |
| 50163 | UInt32 | 0  | 0     | 10000000 | Total Odometer Low level                    |
| 50164 | UInt8  | 0  | 0     | 1        | Total Odometer <a href="#">Event only</a>   |
| 7016  | UInt8  | 0  | 0     | 10       | Send SMS                                    |
| 8016  | String | 0  | 0     | 160      | SMS Text                                    |
| 50170 | UInt8  | 0  | 0     | 3        | Digital Input 1 <a href="#">Priority</a>    |
| 50171 | UInt8  | 3  | 0     | 6        | Digital Input 1 <a href="#">Operand</a>     |
| 50172 | UInt8  | 0  | 0     | 1        | Digital Input 1 High level                  |
| 50173 | UInt8  | 0  | 0     | 1        | Digital Input 1 Low level                   |
| 50174 | UInt8  | 0  | 0     | 1        | Digital Input 1 <a href="#">Event only</a>  |
| 50175 | UInt16 | 1  | 0     | 65535    | Digital Input 1 Average                     |
| 7017  | UInt8  | 0  | 0     | 10       | Send SMS                                    |
| 8017  | String | 0  | 0     | 160      | SMS Text                                    |
| 50180 | UInt8  | 0  | 0     | 3        | Analog Input 1 <a href="#">Priority</a>     |
| 50181 | UInt8  | 3  | 0     | 6        | Analog Input 1 <a href="#">Operand</a>      |
| 50182 | UInt16 | 0  | 0     | 30000    | Analog Input 1 High level                   |
| 50183 | UInt16 | 0  | 0     | 30000    | Analog Input 1 Low level                    |
| 50184 | UInt8  | 0  | 0     | 1        | Analog Input 1 <a href="#">Event only</a>   |
| 50185 | UInt16 | 10 | 0     | 65535    | Analog Input 1 Average                      |
| 7018  | UInt8  | 0  | 0     | 10       | Send SMS                                    |
| 8018  | String | 0  | 0     | 160      | SMS Text                                    |
| 50190 | UInt8  | 0  | 0     | 3        | Digital Output 1 <a href="#">Priority</a>   |
| 50191 | UInt8  | 0  | 0     | 6        | Digital Output 1 <a href="#">Operand</a>    |
| 50192 | UInt8  | 0  | 0     | 1        | Digital Output 1 High level                 |
| 50193 | UInt8  | 0  | 0     | 1        | Digital Output 1 Low level                  |
| 50194 | UInt8  | 0  | 0     | 1        | Digital Output 1 <a href="#">Event only</a> |
| 50195 | UInt16 | 1  | 0     | 65535    | Digital Output 1 Average                    |
| 7019  | UInt8  | 0  | 0     | 10       | Send SMS                                    |
| 8019  | String | 0  | 0     | 160      | SMS Text                                    |
| 50200 | UInt8  | 0  | 0     | 3        | Fuel Used GPS <a href="#">Priority</a>      |
| 50201 | UInt8  | 3  | 0     | 6        | Fuel Used GPS <a href="#">Operand</a>       |
| 50202 | UInt32 | 0  | 0     | 1000000  | Fuel Used GPS High level                    |
| 50203 | UInt32 | 0  | 0     | 1000000  | Fuel Used GPS Low level                     |
| 50204 | UInt8  | 0  | 0     | 1        | Fuel Used GPS <a href="#">Event only</a>    |
| 50205 | UInt16 | 1  | 0     | 65535    | Fuel Used GPS Average                       |
| 7020  | UInt8  | 0  | 0     | 10       | Send SMS                                    |
| 8020  | String | 0  | 0     | 160      | SMS Text                                    |
| 50210 | UInt8  | 0  | 0     | 3        | Fuel Rate GPS <a href="#">Priority</a>      |
| 50211 | UInt8  | 3  | 0     | 6        | Fuel Rate GPS <a href="#">Operand</a>       |
| 50212 | UInt32 | 0  | 0     | 1000000  | Fuel Rate GPS High level                    |
| 50213 | UInt32 | 0  | 0     | 1000000  | Fuel Rate GPS Low level                     |
| 50214 | UInt8  | 0  | 0     | 1        | Fuel Rate GPS <a href="#">Event only</a>    |
| 50215 | UInt16 | 1  | 0     | 65535    | Fuel Rate GPS Average                       |
| 7021  | UInt8  | 0  | 0     | 10       | Send SMS                                    |
| 8021  | String | 0  | 0     | 160      | SMS Text                                    |
| 50220 | UInt8  | 0  | 0     | 3        | Axis X <a href="#">Priority</a>             |
| 50221 | UInt8  | 3  | 0     | 6        | Axis X <a href="#">Operand</a>              |
| 50222 | UInt16 | 0  | -8000 | 8000     | Axis X High level                           |
| 50223 | UInt16 | 0  | -8000 | 8000     | Axis X Low level                            |
| 50224 | UInt8  | 0  | 0     | 1        | Axis X <a href="#">Event only</a>           |
| 50225 | UInt16 | 1  | 0     | 65535    | Axis X Average                              |
| 7022  | UInt8  | 0  | 0     | 10       | Send SMS                                    |
| 8022  | String | 0  | 0     | 160      | SMS Text                                    |
| 50230 | UInt8  | 0  | 0     | 3        | Axis Y <a href="#">Priority</a>             |
| 50231 | UInt8  | 3  | 0     | 6        | Axis Y <a href="#">Operand</a>              |

|       |        |   |       |       |                                               |
|-------|--------|---|-------|-------|-----------------------------------------------|
| 50232 | UInt16 | 0 | -8000 | 8000  | Axis Y High level                             |
| 50233 | UInt16 | 0 | -8000 | 8000  | Axis Y Low level                              |
| 50234 | UInt8  | 0 | 0     | 1     | Axis Y <a href="#">Event only</a>             |
| 50235 | UInt16 | 1 | 0     | 65535 | Axis Y Average                                |
| 7023  | UInt8  | 0 | 0     | 10    | Send SMS                                      |
| 8023  | String | 0 | 0     | 160   | SMS Text                                      |
| 50240 | UInt8  | 0 | 0     | 3     | Axis Z <a href="#">Priority</a>               |
| 50241 | UInt8  | 3 | 0     | 6     | Axis Z <a href="#">Operand</a>                |
| 50242 | UInt16 | 0 | -8000 | 8000  | Axis Z High level                             |
| 50243 | UInt16 | 0 | -8000 | 8000  | Axis Z Low level                              |
| 50244 | UInt8  | 0 | 0     | 1     | Axis Z <a href="#">Event only</a>             |
| 50245 | UInt16 | 1 | 0     | 65535 | Axis Z Average                                |
| 7024  | UInt8  | 0 | 0     | 10    | Send SMS                                      |
| 8024  | String | 0 | 0     | 160   | SMS Text                                      |
| 50250 | UInt8  | 0 | 0     | 3     | ICCID <a href="#">Priority</a>                |
| 50251 | UInt8  | 3 | 0     | 6     | ICCID <a href="#">Operand</a>                 |
| 50254 | UInt8  | 0 | 0     | 1     | ICCID <a href="#">Event only</a>              |
| 7069  | UInt8  | 0 | 0     | 10    | Send SMS                                      |
| 8069  | String | 0 | 0     | 160   | SMS Text                                      |
| 50260 | UInt8  | 0 | 0     | 3     | SD Status <a href="#">Priority</a>            |
| 50261 | UInt8  | 3 | 0     | 6     | SD Status <a href="#">Operand</a>             |
| 50262 | UInt8  | 0 | 0     | 1     | SD Status High level                          |
| 50263 | UInt8  | 0 | 0     | 1     | SD Status Low level                           |
| 7070  | UInt8  | 0 | 0     | 10    | Send SMS                                      |
| 8070  | String | 0 | 0     | 160   | SMS Text                                      |
| 50270 | UInt8  | 0 | 0     | 3     | Digital Input 2 <a href="#">Priority</a>      |
| 50271 | UInt8  | 3 | 0     | 6     | Digital Input 2 <a href="#">Operand</a>       |
| 50272 | UInt8  | 0 | 0     | 1     | Digital Input 2 High level                    |
| 50273 | UInt8  | 0 | 0     | 1     | Digital Input 2 Low level                     |
| 50274 | UInt8  | 0 | 0     | 1     | Digital Input 2 <a href="#">Event only</a>    |
| 50275 | UInt16 | 0 | 0     | 65535 | Digital Input 2 Average                       |
| 7116  | UInt8  | 0 | 0     | 10    | Send SMS                                      |
| 8116  | String | 0 | 0     | 160   | SMS Text                                      |
| 50280 | UInt8  | 0 | 0     | 3     | Digital Input 3 <a href="#">Priority</a>      |
| 50281 | UInt8  | 3 | 0     | 6     | Digital Input 3 <a href="#">Operand</a>       |
| 50282 | UInt8  | 0 | 0     | 1     | Digital Input 3 High level                    |
| 50283 | UInt8  | 0 | 0     | 1     | Digital Input 3 Low level                     |
| 50284 | UInt8  | 0 | 0     | 1     | Digital Input 3 <a href="#">Event only</a>    |
| 50285 | UInt16 | 0 | 0     | 65535 | Digital Input 3 Average                       |
| 7117  | UInt8  | 0 | 0     | 10    | Send SMS                                      |
| 8117  | String | 0 | 0     | 160   | SMS Text                                      |
| 50290 | UInt8  | 0 | 0     | 3     | Analog Input 2 <a href="#">Priority</a>       |
| 50291 | UInt8  | 3 | 0     | 6     | Analog Input 2 <a href="#">Operand</a>        |
| 50292 | UInt16 | 0 | 0     | 30000 | Analog Input 2 High level                     |
| 50293 | UInt16 | 0 | 0     | 30000 | Analog Input 2 Low level                      |
| 50294 | UInt8  | 0 | 0     | 1     | Analog Input 2 <a href="#">Event only</a>     |
| 50295 | UInt16 | 0 | 0     | 65535 | Analog Input 2 Average                        |
| 7117  | UInt8  | 0 | 0     | 10    | Send SMS                                      |
| 8117  | String | 0 | 0     | 160   | SMS Text                                      |
| 50300 | UInt8  | 0 | 0     | 3     | Digital Output 2 <a href="#">Priority</a>     |
| 50301 | UInt8  | 3 | 0     | 6     | Digital Output 2 <a href="#">Operand</a>      |
| 50302 | UInt8  | 0 | 0     | 1     | Digital Output 2 High level                   |
| 50303 | UInt8  | 0 | 0     | 1     | Digital Output 2 Low level                    |
| 50304 | UInt8  | 0 | 0     | 1     | Digital Output 2 <a href="#">Event only</a>   |
| 50305 | UInt16 | 1 | 0     | 65535 | Digital Output 2 Average                      |
| 7119  | UInt8  | 0 | 0     | 10    | Send SMS                                      |
| 8119  | String | 0 | 0     | 160   | SMS Text                                      |
| 50310 | UInt8  | 0 | 0     | 3     | Dallas Temperature 1 <a href="#">Priority</a> |
| 50311 | UInt8  | 3 | 0     | 6     | Dallas Temperature 1 <a href="#">Operand</a>  |

|       |        |   |     |           |                                                    |
|-------|--------|---|-----|-----------|----------------------------------------------------|
| 50312 | Int8   | 0 | -55 | 125       | Dallas Temperature 1 High level                    |
| 50313 | Int8   | 0 | -55 | 125       | Dallas Temperature 1 Low level                     |
| 50314 | UInt8  | 0 | 0   | 1         | Dallas Temperature 1 <a href="#">Event only</a>    |
| 50315 | UInt16 | 0 | 0   | 65535     | Dallas Temperature 1 Average                       |
| 7120  | UInt8  | 0 | 0   | 10        | Send SMS                                           |
| 8120  | String | 0 | 0   | 160       | SMS Text                                           |
| 50320 | UInt8  | 0 | 0   | 3         | Dallas Temperature 2 <a href="#">Priority</a>      |
| 50321 | UInt8  | 3 | 0   | 6         | Dallas Temperature 2 <a href="#">Operand</a>       |
| 50322 | Int8   | 0 | -55 | 125       | Dallas Temperature 2 High level                    |
| 50323 | Int8   | 0 | -55 | 125       | Dallas Temperature 2 Low level                     |
| 50324 | UInt8  | 0 | 0   | 1         | Dallas Temperature 2 <a href="#">Event only</a>    |
| 50325 | UInt16 | 0 | 0   | 65535     | Dallas Temperature 2 Average                       |
| 7121  | UInt8  | 0 | 0   | 10        | Send SMS                                           |
| 8121  | String | 0 | 0   | 160       | SMS Text                                           |
| 50330 | UInt8  | 0 | 0   | 3         | Dallas Temperature 3 <a href="#">Priority</a>      |
| 50331 | UInt8  | 3 | 0   | 6         | Dallas Temperature 3 <a href="#">Operand</a>       |
| 50332 | Int8   | 0 | -55 | 125       | Dallas Temperature 3 High level                    |
| 50333 | Int8   | 0 | -55 | 125       | Dallas Temperature 3 Low level                     |
| 50334 | UInt8  | 0 | 0   | 1         | Dallas Temperature 3 <a href="#">Event only</a>    |
| 50335 | UInt16 | 0 | 0   | 65535     | Dallas Temperature 3 Average                       |
| 7122  | UInt8  | 0 | 0   | 10        | Send SMS                                           |
| 8122  | String | 0 | 0   | 160       | SMS Text                                           |
| 50340 | UInt8  | 0 | 0   | 3         | Dallas Temperature 4 <a href="#">Priority</a>      |
| 50341 | UInt8  | 3 | 0   | 6         | Dallas Temperature 4 <a href="#">Operand</a>       |
| 50342 | Int8   | 0 | -55 | 125       | Dallas Temperature 4 High level                    |
| 50343 | Int8   | 0 | -55 | 125       | Dallas Temperature 4 Low level                     |
| 50344 | UInt8  | 0 | 0   | 1         | Dallas Temperature 4 <a href="#">Event only</a>    |
| 50345 | UInt16 | 0 | 0   | 65535     | Dallas Temperature 4 Average                       |
| 7123  | UInt8  | 0 | 0   | 10        | Send SMS                                           |
| 8123  | String | 0 | 0   | 160       | SMS Text                                           |
| 50350 | UInt8  | 0 | 0   | 3         | Dallas Temperature ID 1 <a href="#">Priority</a>   |
| 50351 | UInt8  | 3 | 0   | 6         | Dallas Temperature ID 1 <a href="#">Operand</a>    |
| 50352 | UInt32 | 0 | 0   | 999999999 | Dallas Temperature ID 1 High level                 |
| 50353 | UInt32 | 0 | 0   | 999999999 | Dallas Temperature ID 1 Low level                  |
| 50354 | UInt8  | 0 | 0   | 1         | Dallas Temperature ID 1 <a href="#">Event only</a> |
| 50355 | UInt16 | 0 | 0   | 65535     | Dallas Temperature ID 1 Average                    |
| 7124  | UInt8  | 0 | 0   | 10        | Send SMS                                           |
| 8124  | String | 0 | 0   | 160       | SMS Text                                           |
| 50360 | UInt8  | 0 | 0   | 3         | Dallas Temperature ID 2 <a href="#">Priority</a>   |
| 50361 | UInt8  | 3 | 0   | 6         | Dallas Temperature ID 2 <a href="#">Operand</a>    |
| 50362 | UInt32 | 0 | 0   | 999999999 | Dallas Temperature ID 2 High level                 |
| 50363 | UInt32 | 0 | 0   | 999999999 | Dallas Temperature ID 2 Low level                  |
| 50364 | UInt8  | 0 | 0   | 1         | Dallas Temperature ID 2 <a href="#">Event only</a> |
| 50365 | UInt16 | 0 | 0   | 65535     | Dallas Temperature ID 2 Average                    |
| 7125  | UInt8  | 0 | 0   | 10        | Send SMS                                           |
| 8125  | String | 0 | 0   | 160       | SMS Text                                           |
| 50370 | UInt8  | 0 | 0   | 3         | Dallas Temperature ID 3 <a href="#">Priority</a>   |
| 50371 | UInt8  | 3 | 0   | 6         | Dallas Temperature ID 3 <a href="#">Operand</a>    |
| 50372 | UInt32 | 0 | 0   | 999999999 | Dallas Temperature ID 3 High level                 |
| 50373 | UInt32 | 0 | 0   | 999999999 | Dallas Temperature ID 3 Low level                  |
| 50374 | UInt8  | 0 | 0   | 1         | Dallas Temperature ID 3 <a href="#">Event only</a> |
| 50375 | UInt16 | 0 | 0   | 65535     | Dallas Temperature ID 3 Average                    |
| 7126  | UInt8  | 0 | 0   | 10        | Send SMS                                           |
| 8126  | String | 0 | 0   | 160       | SMS Text                                           |
| 50380 | UInt8  | 0 | 0   | 3         | Dallas Temperature ID 4 <a href="#">Priority</a>   |
| 50381 | UInt8  | 3 | 0   | 6         | Dallas Temperature ID 4 <a href="#">Operand</a>    |
| 50382 | UInt32 | 0 | 0   | 999999999 | Dallas Temperature ID 4 High level                 |
| 50383 | UInt32 | 0 | 0   | 999999999 | Dallas Temperature ID 4 Low level                  |
| 50384 | UInt8  | 0 | 0   | 1         | Dallas Temperature ID 4 <a href="#">Event only</a> |

|       |        |   |   |           |                                            |
|-------|--------|---|---|-----------|--------------------------------------------|
| 50385 | Uint16 | 0 | 0 | 65535     | Dallas Temperature ID 4 Average            |
| 7127  | Uint8  | 0 | 0 | 10        | Send SMS                                   |
| 8127  | String | 0 | 0 | 160       | SMS Text                                   |
| 50390 | Uint8  | 0 | 0 | 3         | iButton <a href="#">Priority</a>           |
| 50391 | Uint8  | 3 | 0 | 6         | iButton <a href="#">Operand</a>            |
| 50392 | Uint32 | 0 | 0 | 999999999 | iButton High level                         |
| 50393 | Uint32 | 0 | 0 | 999999999 | iButton Low level                          |
| 50394 | Uint8  | 0 | 0 | 1         | iButton <a href="#">Event only</a>         |
| 50395 | Uint16 | 0 | 0 | 65535     | iButton Average                            |
| 7128  | Uint8  | 0 | 0 | 10        | Send SMS                                   |
| 8128  | String | 0 | 0 | 160       | SMS Text                                   |
| 50400 | Uint8  | 0 | 0 | 3         | RFID <a href="#">Priority</a>              |
| 50401 | Uint8  | 3 | 0 | 6         | RFID <a href="#">Operand</a>               |
| 50402 | Uint8  | 0 | 0 | 999999999 | RFID High level                            |
| 50403 | Uint8  | 0 | 0 | 999999999 | RFID Low level                             |
| 50404 | Uint8  | 0 | 0 | 1         | RFID <a href="#">Event only</a>            |
| 50405 | Uint16 | 1 | 0 | 65535     | RFID Average                               |
| 7129  | Uint8  | 0 | 0 | 10        | Send SMS                                   |
| 8129  | String | 0 | 0 | 160       | SMS Text                                   |
| 50410 | Uint8  | 0 | 0 | 3         | LLS1 Fuel Level <a href="#">Priority</a>   |
| 50411 | Uint8  | 3 | 0 | 6         | LLS1 Fuel Level <a href="#">Operand</a>    |
| 50412 | Uint8  | 0 | 0 | 65535     | LLS1 Fuel Level High level                 |
| 50413 | Uint8  | 0 | 0 | 65535     | LLS1 Fuel Level Low level                  |
| 50414 | Uint8  | 0 | 0 | 1         | LLS1 Fuel Level <a href="#">Event only</a> |
| 50415 | Uint16 | 1 | 0 | 65535     | LLS1 Fuel Level Average                    |
| 7130  | Uint8  | 0 | 0 | 10        | Send SMS                                   |
| 8130  | String | 0 | 0 | 160       | SMS Text                                   |
| 50420 | Uint8  | 0 | 0 | 3         | LLS2 Fuel Level <a href="#">Priority</a>   |
| 50421 | Uint8  | 3 | 0 | 6         | LLS2 Fuel Level <a href="#">Operand</a>    |
| 50422 | Uint8  | 0 | 0 | 65535     | LLS2 Fuel Level High level                 |
| 50423 | Uint8  | 0 | 0 | 65535     | LLS2 Fuel Level Low level                  |
| 50424 | Uint8  | 0 | 0 | 1         | LLS2 Fuel Level <a href="#">Event only</a> |
| 50425 | Uint16 | 1 | 0 | 65535     | LLS2 Fuel Level Average                    |
| 7131  | Uint8  | 0 | 0 | 10        | Send SMS                                   |
| 8131  | String | 0 | 0 | 160       | SMS Text                                   |
| 50430 | Uint8  | 0 | 0 | 3         | LLS3 Fuel Level <a href="#">Priority</a>   |
| 50431 | Uint8  | 3 | 0 | 6         | LLS3 Fuel Level <a href="#">Operand</a>    |
| 50432 | Uint8  | 0 | 0 | 65535     | LLS3 Fuel Level High level                 |
| 50433 | Uint8  | 0 | 0 | 65535     | LLS3 Fuel Level Low level                  |
| 50434 | Uint8  | 0 | 0 | 1         | LLS3 Fuel Level <a href="#">Event only</a> |
| 50435 | Uint16 | 1 | 0 | 65535     | LLS3 Fuel Level Average                    |
| 7132  | Uint8  | 0 | 0 | 10        | Send SMS                                   |
| 8132  | String | 0 | 0 | 160       | SMS Text                                   |
| 50440 | Uint8  | 0 | 0 | 3         | LLS4 Fuel Level <a href="#">Priority</a>   |
| 50441 | Uint8  | 3 | 0 | 6         | LLS4 Fuel Level <a href="#">Operand</a>    |
| 50442 | Uint8  | 0 | 0 | 65535     | LLS4 Fuel Level High level                 |
| 50443 | Uint8  | 0 | 0 | 65535     | LLS4 Fuel Level Low level                  |
| 50444 | Uint8  | 0 | 0 | 1         | LLS4 Fuel Level <a href="#">Event only</a> |
| 50445 | Uint16 | 1 | 0 | 65535     | LLS4 Fuel Level Average                    |
| 7133  | Uint8  | 0 | 0 | 10        | Send SMS                                   |
| 8133  | String | 0 | 0 | 160       | SMS Text                                   |
| 50450 | Uint8  | 0 | 0 | 3         | LLS5 Fuel Level <a href="#">Priority</a>   |
| 50451 | Uint8  | 3 | 0 | 6         | LLS5 Fuel Level <a href="#">Operand</a>    |
| 50452 | Uint8  | 0 | 0 | 65535     | LLS5 Fuel Level High level                 |
| 50453 | Uint8  | 0 | 0 | 65535     | LLS5 Fuel Level Low level                  |
| 50454 | Uint8  | 0 | 0 | 1         | LLS5 Fuel Level <a href="#">Event only</a> |
| 50455 | Uint16 | 1 | 0 | 65535     | LLS5 Fuel Level Average                    |
| 7134  | Uint8  | 0 | 0 | 10        | Send SMS                                   |
| 8134  | String | 0 | 0 | 160       | SMS Text                                   |

|       |        |   |      |       |                                             |
|-------|--------|---|------|-------|---------------------------------------------|
| 50460 | UInt8  | 0 | 0    | 3     | LLS1 Temperature <a href="#">Priority</a>   |
| 50461 | UInt8  | 3 | 0    | 6     | LLS1 Temperature <a href="#">Operand</a>    |
| 50462 | UInt8  | 0 | -128 | 127   | LLS1 Temperature High level                 |
| 50463 | UInt8  | 0 | -128 | 127   | LLS1 Temperature Low level                  |
| 50464 | UInt8  | 0 | 0    | 1     | LLS1 Temperature <a href="#">Event only</a> |
| 50465 | UInt16 | 1 | 0    | 65535 | LLS1 Temperature Average                    |
| 7135  | UInt8  | 0 | 0    | 10    | Send SMS                                    |
| 8135  | String | 0 | 0    | 160   | SMS Text                                    |
| 50470 | UInt8  | 0 | 0    | 3     | LLS2 Temperature <a href="#">Priority</a>   |
| 50471 | UInt8  | 3 | 0    | 6     | LLS2 Temperature <a href="#">Operand</a>    |
| 50472 | UInt8  | 0 | -128 | 127   | LLS2 Temperature High level                 |
| 50473 | UInt8  | 0 | -128 | 127   | LLS2 Temperature Low level                  |
| 50474 | UInt8  | 0 | 0    | 1     | LLS2 Temperature <a href="#">Event only</a> |
| 50475 | UInt16 | 1 | 0    | 65535 | LLS2 Temperature Average                    |
| 7136  | UInt8  | 0 | 0    | 10    | Send SMS                                    |
| 8136  | String | 0 | 0    | 160   | SMS Text                                    |
| 50480 | UInt8  | 0 | 0    | 3     | LLS3 Temperature <a href="#">Priority</a>   |
| 50481 | UInt8  | 3 | 0    | 6     | LLS3 Temperature <a href="#">Operand</a>    |
| 50482 | UInt8  | 0 | -128 | 127   | LLS3 Temperature High level                 |
| 50483 | UInt8  | 0 | -128 | 127   | LLS3 Temperature Low level                  |
| 50484 | UInt8  | 0 | 0    | 1     | LLS3 Temperature <a href="#">Event only</a> |
| 50485 | UInt16 | 1 | 0    | 65535 | LLS3 Temperature Average                    |
| 7137  | UInt8  | 0 | 0    | 10    | Send SMS                                    |
| 8137  | String | 0 | 0    | 160   | SMS Text                                    |
| 50490 | UInt8  | 0 | 0    | 3     | LLS4 Temperature <a href="#">Priority</a>   |
| 50491 | UInt8  | 3 | 0    | 6     | LLS4 Temperature <a href="#">Operand</a>    |
| 50492 | UInt8  | 0 | -128 | 127   | LLS4 Temperature High level                 |
| 50493 | UInt8  | 0 | -128 | 127   | LLS4 Temperature Low level                  |
| 50494 | UInt8  | 0 | 0    | 1     | LLS4 Temperature <a href="#">Event only</a> |
| 50495 | UInt16 | 1 | 0    | 65535 | LLS4 Temperature Average                    |
| 7138  | UInt8  | 0 | 0    | 10    | Send SMS                                    |
| 8138  | String | 0 | 0    | 160   | SMS Text                                    |
| 50500 | UInt8  | 0 | 0    | 3     | LLS5 Temperature <a href="#">Priority</a>   |
| 50501 | UInt8  | 3 | 0    | 6     | LLS5 Temperature <a href="#">Operand</a>    |
| 50502 | UInt8  | 0 | -128 | 127   | LLS5 Temperature High level                 |
| 50503 | UInt8  | 0 | -128 | 127   | LLS5 Temperature Low level                  |
| 50504 | UInt8  | 0 | 0    | 1     | LLS5 Temperature <a href="#">Event only</a> |
| 50505 | UInt16 | 1 | 0    | 65535 | LLS5 Temperature Average                    |
| 7139  | UInt8  | 0 | 0    | 10    | Send SMS                                    |
| 8139  | String | 0 | 0    | 160   | SMS Text                                    |
| 50510 | UInt8  | 0 | 0    | 3     | Eco Score <a href="#">Priority</a>          |
| 50511 | UInt8  | 3 | 0    | 6     | Eco Score <a href="#">Operand</a>           |
| 50512 | UInt8  | 0 | 0    | 1     | Eco Score High level                        |
| 50513 | UInt8  | 0 | 0    | 1     | Eco Score Low level                         |
| 50514 | UInt8  | 0 | 0    | 1     | Eco Score <a href="#">Event only</a>        |
| 7220  | UInt8  | 0 | 0    | 10    | Send SMS                                    |
| 8220  | String | 0 | 0    | 160   | SMS Text                                    |
| 50690 | UInt8  | 0 | 0    | 3     | Battery level % <a href="#">Priority</a>    |
| 50691 | UInt8  | 0 | 0    | 6     | Battery level % <a href="#">Operand</a>     |
| 50692 | UInt8  | 0 | 0    | 100   | Battery level % High level                  |
| 50693 | UInt8  | 0 | 0    | 100   | Battery level % Low level                   |
| 50694 | UInt8  | 0 | 0    | 1     | Battery level % <a href="#">Event only</a>  |
| 50695 | UInt16 | 1 | 0    | 65535 | Battery level % Average                     |
| 7243  | UInt8  | 0 | 0    | 10    | Send SMS                                    |
| 8243  | String | 0 | 0    | 160   | SMS Text                                    |
| 50720 | UInt8  | 0 | 0    | 3     | BT Status <a href="#">Priority</a>          |
| 50721 | UInt8  | 5 | 0    | 6     | BT Status <a href="#">Operand</a>           |
| 50722 | UInt8  | 0 | 0    | 4     | BT Status High level                        |
| 50723 | UInt8  | 0 | 0    | 3     | BT Status Low level                         |

|       |        |   |   |       |                                                |
|-------|--------|---|---|-------|------------------------------------------------|
| 50724 | UInt8  | 0 | 0 | 1     | BT Status <a href="#">Event only</a>           |
| 50725 | UInt16 | 1 | 0 | 65535 | BT Status Average                              |
| 7250  | UInt8  | 0 | 0 | 10    | Send SMS                                       |
| 8250  | String | 0 | 0 | 160   | SMS Text                                       |
| 51730 | UInt8  | 0 | 0 | 3     | ISO6709 Coordinates <a href="#">Priority</a>   |
| 51731 | UInt8  | 3 | 0 | 6     | ISO6709 Coordinates <a href="#">Operand</a>    |
| 51734 | UInt8  | 0 | 0 | 2     | ISO6709 Coordinates <a href="#">Event only</a> |
| 7376  | UInt8  | 0 | 0 | 10    | Send SMS                                       |
| 8376  | String | 0 | 0 | 160   | SMS Text                                       |

## Parameters

| Parameter name    | Value               |
|-------------------|---------------------|
| <b>Priority</b>   | 0 - Disabled        |
|                   | 1 - Low             |
|                   | 2 - High            |
|                   | 3 - Panic           |
| <b>Operand</b>    | 0 - On Exit         |
|                   | 1 - On Entrance     |
|                   | 2 - On Both         |
|                   | 3 - Monitoring      |
|                   | 4 - On Hysteresis   |
|                   | 5 - On Change       |
| <b>Event only</b> | 6 - On Delta Change |
|                   | 0 - Disabled        |
|                   | 1 - Enabled         |

## OBD II (Bluetooth)

| Parameter ID | Parameter Type | Default value   | Value range |     | Value                 | Parameter name |
|--------------|----------------|-----------------|-------------|-----|-----------------------|----------------|
|              |                |                 | Min         | Max |                       |                |
| <b>40100</b> | UInt8          | 0               | 0           | 3   | 0 - Disabled          | Priority       |
|              |                |                 |             |     | 1 - Low               |                |
|              |                |                 |             |     | 2 - High              |                |
|              |                |                 |             |     | 3 - Panic             |                |
| <b>40101</b> | UInt8          | 3               | 0           | 6   | 0 - On range exit     | Operand        |
|              |                |                 |             |     | 1 - On range entrance |                |
|              |                |                 |             |     | 2 - On both           |                |
|              |                |                 |             |     | 3 - Monitoring        |                |
|              |                |                 |             |     | 4 - Hysteresis        |                |
|              |                |                 |             |     | 5 - On change         |                |
| <b>40102</b> | UInt8          | 0               | 0           | 255 | 6 - On delta change   | High level     |
|              |                |                 |             |     | High value            |                |
|              |                |                 |             |     | Low value             |                |
|              |                |                 |             |     |                       |                |
| <b>40103</b> | UInt8          | 0               | 0           | 255 |                       | Low level      |
| <b>40104</b> | UInt8          | 0               | 0           | 1   | 0 - Disable           | Event only     |
|              |                |                 |             |     | 1 - Enable            |                |
| <b>7038</b>  | UInt8          | 0               | 0           | 10  | Phone number          | Send SMS to    |
| <b>8038</b>  | String         | "Number of DTC" | 0           | 160 | Text                  | SMS text       |

Similarly to a group defined in the upper table:

| Name                                | Parameter |           |            |            |         |             |          |
|-------------------------------------|-----------|-----------|------------|------------|---------|-------------|----------|
|                                     | Priority  | Low level | High level | Event only | Operand | Send SMS to | SMS text |
| Number Of DTC                       | 40100     | 40103     | 40102      | 40104      | 40101   | 7038        | 8038     |
| Engine Load                         | 40110     | 40113     | 40112      | 40114      | 40111   | 7039        | 8039     |
| Coolant Temperature                 | 40120     | 40123     | 40122      | 40124      | 40121   | 7040        | 8040     |
| Short Fuel Trim                     | 40130     | 40133     | 40132      | 40134      | 40131   | 7041        | 8041     |
| Fuel Pressure                       | 40140     | 40143     | 40142      | 40144      | 40141   | 7042        | 8042     |
| Intake Map                          | 40150     | 40153     | 40152      | 40154      | 40151   | 7043        | 8043     |
| Engine RPM                          | 40160     | 40163     | 40162      | 40164      | 40161   | 7044        | 8044     |
| Vehicle speed                       | 40170     | 40173     | 40172      | 40174      | 40171   | 7045        | 8045     |
| Timing advance                      | 40180     | 40183     | 40182      | 40184      | 40181   | 7046        | 8046     |
| Intake air temperature              | 40190     | 40193     | 40192      | 40194      | 40191   | 7047        | 8047     |
| MAF                                 | 40200     | 40203     | 40202      | 40204      | 40201   | 7048        | 8048     |
| Throttle position                   | 40210     | 40213     | 40212      | 40214      | 40211   | 7049        | 8049     |
| Run time since engine start         | 40220     | 40223     | 40222      | 40224      | 40221   | 7050        | 8050     |
| Distance traveled MIL on            | 40230     | 40233     | 40232      | 40234      | 40231   | 7051        | 8051     |
| Relative fuel rail pressure         | 40240     | 40243     | 40242      | 40244      | 40241   | 7052        | 8052     |
| Direct fuel rail pressure           | 40250     | 40253     | 40252      | 40254      | 40251   | 7053        | 8053     |
| Commanded EGR                       | 40260     | 40263     | 40262      | 40264      | 40261   | 7054        | 8054     |
| EGR error                           | 40270     | 40273     | 40272      | 40274      | 40271   | 7055        | 8055     |
| Fuel level                          | 40280     | 40283     | 40282      | 40284      | 40281   | 7056        | 8056     |
| Distance traveled since codes clear | 40290     | 40293     | 40292      | 40294      | 40291   | 7057        | 8057     |
| Barometric pressure                 | 40300     | 40303     | 40302      | 40304      | 40301   | 7058        | 8058     |
| Control module voltage              | 40310     | 40313     | 40312      | 40314      | 40311   | 7059        | 8059     |
| Absolute load value                 | 40320     | 40323     | 40322      | 40324      | 40321   | 7060        | 8060     |
| Ambient air temperature             | 40330     | 40333     | 40332      | 40334      | 40331   | 7061        | 8061     |
| Time run with MIL on                | 40340     | 40343     | 40342      | 40344      | 40341   | 7062        | 8062     |
| Time since trouble codes cleared    | 40350     | 40353     | 40352      | 40354      | 40351   | 7063        | 8063     |
| Fuel Type                           | 40560     | 40563     | 40562      | 40564      | 40561   | 7633        | 8633     |
| Absolute fuel rail pressure         | 40360     | 40363     | 40362      | 40364      | 40361   | 7064        | 8064     |
| Hybrid battery pack remaining life  | 40370     | 40373     | 40372      | 40374      | 40371   | 7065        | 8065     |
| Engine oil temperature              | 40380     | 40383     | 40382      | 40384      | 40381   | 7066        | 8066     |
| Fuel injection timing               | 40390     | 40393     | 40392      | 40394      | 40391   | 7067        | 8067     |
| Fuel Rate                           | 40400     | 40403     | 40402      | 40404      | 40401   | 7068        | 8068     |
| Command Equivalence Ratio           | 40460     | 40463     | 40462      | 40464      | 40461   | 7524        | 8524     |
| Intake MAP (2 Bytes)                | 40470     | 40473     | 40472      | 40474      | 40471   | 7525        | 8525     |
| Hybrid Vehicle System Voltage       | 40480     | 40483     | 40482      | 40484      | 40481   | 7526        | 8526     |
| Hybrid Vehicle System Current       | 40490     | 40493     | 40492      | 40494      | 40491   | 7527        | 8527     |
| Fault Codes                         | 40420     | -         | -          | 40424      | 40421   | 7264        | 8264     |
| VIN                                 | 40410     | -         | -          | 40414      | 40411   | 7241        | 8241     |
| OEM Total Mileage                   | 40430     | 40433     | 40432      | 40434      | 40431   | 7522        | 8522     |
| OEM Fuel Level                      | 40440     | 40443     | 40442      | 40444      | 40441   | 7529        | 8529     |
| OEM Remaining Distance              | 40520     | 40523     | 40522      | 40524      | 40521   | 7628        | 8628     |
| OEM Battery Charge State            | 40570     | 40573     | 40572      | 40574      | 40571   | 7634        | 8634     |
| OEM Battery Charge Level            | 40580     | 40583     | 40582      | 40584      | 40581   | 7635        | 8635     |

LVCAN

| Parameter ID | Parameter Type | Default value | Value range |     | Value                                                                                            | Parameter name                          |
|--------------|----------------|---------------|-------------|-----|--------------------------------------------------------------------------------------------------|-----------------------------------------|
|              |                |               | Min         | Max |                                                                                                  |                                         |
| 45000        | UInt8          | 0             | 0           | 2   | 0 - Auto detect<br>1 - LV-CAN200<br>2 - ALL-CAN300                                               | LVCAN Mode                              |
| 45001        | UInt8          | 0             | 0           | 1   | 0 - Disable<br>1 - Enable                                                                        | Send data with 0, if<br>ignition is off |
| 45002        | UInt16         | 0             | 0           | 999 | Value                                                                                            | Program number                          |
| Parameter ID | Parameter Type | Default value | Value range |     | Value                                                                                            | Parameter name                          |
|              |                |               | Min         | Max |                                                                                                  |                                         |
| 45100        | UInt8          | 0             | 0           | 3   | 0 - Disabled<br>1 - Low<br>2 - High<br>3 - Panic                                                 | Priority                                |
| 45101        | UInt8          | 3             | 0           | 6   | 0 - On range exit<br>1 - On range<br>entrance<br>2 - On both<br>3 - Monitoring<br>4 - Hysteresis | Operand                                 |

|              |        |                     |   |       |              |                    |
|--------------|--------|---------------------|---|-------|--------------|--------------------|
| <b>45102</b> | Uint8  | 0                   | 0 | 255   | High value   | High level         |
| <b>45103</b> | Uint8  | 0                   | 0 | 255   | Low value    | Low level          |
| <b>45104</b> | Uint8  | 0                   | 0 | 1     | 0 - Disable  | Event only         |
|              |        |                     |   |       | 1 - Enable   |                    |
| <b>45105</b> | Uint16 | 10                  | 0 | 65535 | Value        | Averaging constant |
| <b>7141</b>  | Uint8  | 0                   | 0 | 10    | Phone number | Send SMS to        |
| <b>81411</b> | String | "LVC Vehicle speed" | 0 | 160   | Text         | SMS text           |

Similarly to a group defined in the upper table:

| Name                                  | Parameter |         |            |           |            |           |             |          |
|---------------------------------------|-----------|---------|------------|-----------|------------|-----------|-------------|----------|
|                                       | Priority  | Operand | High level | Low level | Event only | Avg const | Send SMS to | SMS text |
| Vehicle Speed                         | 45100     | 45101   | 45102      | 45103     | 45104      | 45105     | 7141        | 8141     |
| Acceleration Pedal Position (percent) | 45110     | 45111   | 45112      | 45113     | 45114      | 45115     | 7142        | 8142     |
| Fuel Consumed (liters)                | 45120     | 45121   | 45122      | 45123     | 45124      | 45125     | 7143        | 8143     |
| Fuel Level (liters)                   | 45130     | 45131   | 45132      | 45133     | 45134      | 45135     | 7144        | 8144     |
| Engine RPM                            | 45140     | 45141   | 45142      | 45143     | 45144      | 45145     | 7145        | 8145     |
| Total Mileage                         | 45150     | 45151   | 45152      | 45153     | 45154      | 45155     | 7146        | 8146     |
| Fuel Level (percent)                  | 45160     | 45161   | 45162      | 45163     | 45164      | 45165     | 7147        | 8147     |
| Door Status                           | 45170     | 45171   | 45172      | 45173     | 45174      | 45175     | 7148        | 8148     |
| Program Number                        | 45180     | 45181   | 45182      | 45183     | 45184      | 45185     | 7149        | 8149     |
| Module ID                             | 45190     | 45191   | 45192      | 45193     | 45194      | 45195     | 7150        | 8150     |
| Engine Worktime                       | 45200     | 45201   | 45202      | 45203     | 45204      | 45205     | 7151        | 8151     |
| Engine Worktime (counted)             | 45210     | 45211   | 45212      | 45213     | 45214      | 45215     | 7152        | 8152     |
| Total Mileage (counted)               | 45220     | 45221   | 45222      | 45223     | 45224      | 45225     | 7153        | 8153     |
| Fuel Consumed (counted)               | 45230     | 45231   | 45232      | 45233     | 45234      | 45235     | 7154        | 8154     |
| Fuel Rate                             | 45240     | 45241   | 45242      | 45243     | 45244      | 45245     | 7155        | 8155     |
| AdBlue Level (percent)                | 45250     | 45251   | 45252      | 45253     | 45254      | 45255     | 7156        | 8156     |
| AdBlue Level (liters)                 | 45260     | 45261   | 45262      | 45263     | 45264      | 45265     | 7157        | 8157     |
| Engine Load (percent)                 | 45270     | 45271   | 45272      | 45273     | 45274      | 45275     | 7158        | 8158     |
| Engine Temperature                    | 45280     | 45281   | 45282      | 45283     | 45284      | 45285     | 7159        | 8159     |
| Axle 1 Load                           | 45290     | 45291   | 45292      | 45293     | 45294      | 45295     | 7160        | 8160     |
| Axle 2 Load                           | 45300     | 45301   | 45302      | 45303     | 45304      | 45305     | 7161        | 8161     |
| Axle 3 Load                           | 45310     | 45311   | 45312      | 45313     | 45314      | 45315     | 7162        | 8162     |
| Axle 4 Load                           | 45320     | 45321   | 45322      | 45323     | 45324      | 45325     | 7163        | 8163     |
| Axle 5 Load                           | 45330     | 45331   | 45332      | 45333     | 45334      | 45335     | 7164        | 8164     |
| Control State Flags                   | 45340     | 45341   | 45342      | 45343     | 45344      | 45345     | 7165        | 8165     |
| Agricultural Machinery Flags          | 45350     | 45351   | 45352      | 45353     | 45354      | 45355     | 7166        | 8166     |
| Harvesting Time                       | 45360     | 45361   | 45362      | 45363     | 45364      | 45365     | 7167        | 8167     |
| Area of Harvest                       | 45370     | 45371   | 45372      | 45373     | 45374      | 45375     | 7168        | 8168     |
| Mowing Efficiency                     | 45380     | 45381   | 45382      | 45383     | 45384      | 45385     | 7169        | 8169     |
| Grain Mown Volume                     | 45390     | 45391   | 45392      | 45393     | 45394      | 45395     | 7170        | 8170     |
| Grain Moisture                        | 45400     | 45401   | 45402      | 45403     | 45404      | 45405     | 7171        | 8171     |
| Harvesting Drum RPM                   | 45410     | 45411   | 45412      | 45413     | 45414      | 45415     | 7172        | 8172     |
| Gap Under Harvesting Drum             | 45420     | 45421   | 45422      | 45423     | 45424      | 45425     | 7173        | 8173     |
| Security State Flags                  | 45430     | 45431   | 45432      | 45433     | 45434      | 45435     | 7174        | 8174     |
| Tachograph Total Vehicle Distance     | 45440     | 45441   | 45442      | 45443     | 45444      | 45445     | 7175        | 8175     |
| Trip Distance                         | 45450     | 45451   | 45452      | 45453     | 45454      | 45455     | 7176        | 8176     |
| Tachograph Vehicle Speed              | 45460     | 45461   | 45462      | 45463     | 45464      | 45465     | 7177        | 8177     |
| Tachograph Driver Card Presence       | 45470     | 45471   | 45472      | 45473     | 45474      | 45475     | 7178        | 8178     |
| Driver 1 States                       | 45480     | 45481   | 45482      | 45483     | 45484      | 45485     | 7179        | 8179     |
| Driver 2 States                       | 45490     | 45491   | 45492      | 45493     | 45494      | 45495     | 7180        | 8180     |
| Driver 1 Continuous Driving Time      | 45500     | 45501   | 45502      | 45503     | 45504      | 45505     | 7181        | 8181     |
| Driver 2 Continuous Driving Time      | 45510     | 45511   | 45512      | 45513     | 45514      | 45515     | 7182        | 8182     |
| Driver 1 Cumulative Break Time        | 45520     | 45521   | 45522      | 45523     | 45524      | 45525     | 7183        | 8183     |
| Driver 2 Cumulative Break Time        | 45530     | 45531   | 45532      | 45533     | 45534      | 45535     | 7184        | 8184     |
| Driver 1 Selected Activity Duration   | 45540     | 45541   | 45542      | 45543     | 45544      | 45545     | 7185        | 8185     |
| Driver 2 Selected Activity Duration   | 45550     | 45551   | 45552      | 45553     | 45554      | 45555     | 7186        | 8186     |
| Driver 1 Cumulative Driving Time      | 45560     | 45561   | 45562      | 45563     | 45564      | 45565     | 7187        | 8187     |
| Driver 2 Cumulative Driving Time      | 45570     | 45571   | 45572      | 45573     | 45574      | 45575     | 7188        | 8188     |
| Driver 1 ID High                      | 45580     | 45581   | 45582      | 45583     | 45584      | 45585     | 7189        | 8189     |
| Driver 1 ID Low                       | 45590     | 45591   | 45592      | 45593     | 45594      | 45595     | 7190        | 8190     |
| Driver 2 ID High                      | 45600     | 45601   | 45602      | 45603     | 45604      | 45605     | 7191        | 8191     |
| Driver 2 ID Low                       | 45610     | 45611   | 45612      | 45613     | 45614      | 45615     | 7192        | 8192     |
| Battery Temperature                   | 45620     | 45621   | 45622      | 45623     | 45624      | 45625     | 7193        | 8193     |
| Battery Level                         | 45630     | 45631   | 45632      | 45633     | 45634      | 45635     | 7194        | 8194     |
| DTC Faults                            | 45640     | 45641   | 45642      | 45643     | 45644      | 45645     | 7195        | 8195     |
| Slope of Arm                          | 45650     | 45651   | 45652      | 45653     | 45654      | 45655     | 7196        | 8196     |
| Rotation of Arm                       | 45660     | 45661   | 45662      | 45663     | 45664      | 45665     | 7197        | 8197     |
| Eject of Arm                          | 45670     | 45671   | 45672      | 45673     | 45674      | 45675     | 7198        | 8198     |
| Horizontal Distance Arm Vehicle       | 45680     | 45681   | 45682      | 45683     | 45684      | 45685     | 7199        | 8199     |
| Height Arm Above Ground               | 45690     | 45691   | 45692      | 45693     | 45694      | 45695     | 7200        | 8200     |

|                                         |       |       |       |       |       |       |      |      |
|-----------------------------------------|-------|-------|-------|-------|-------|-------|------|------|
| Drill RPM                               | 45700 | 45701 | 45702 | 45703 | 45704 | 45705 | 7201 | 8201 |
| Amount of Spread Salt Square Meter      | 45710 | 45711 | 45712 | 45713 | 45714 | 45715 | 7202 | 8202 |
| Battery Voltage                         | 45720 | 45721 | 45722 | 45723 | 45724 | 45725 | 7203 | 8203 |
| Amount of Spread Fine Grained Salt      | 45730 | 45731 | 45732 | 45733 | 45734 | 45735 | 7204 | 8204 |
| Amount of Spread Coarse Grained Salt    | 45740 | 45741 | 45742 | 45743 | 45744 | 45745 | 7205 | 8205 |
| Amount of Spread DiMix                  | 45750 | 45751 | 45752 | 45753 | 45754 | 45755 | 7206 | 8206 |
| Amount of Spread Coarse Grained Calcium | 45760 | 45761 | 45762 | 45763 | 45764 | 45765 | 7207 | 8207 |
| Amount of Spread Calcium Chloride       | 45770 | 45771 | 45772 | 45773 | 45774 | 45775 | 7208 | 8208 |
| Amount of Spread Sodium Chloride        | 45780 | 45781 | 45782 | 45783 | 45784 | 45785 | 7209 | 8209 |
| Amount of Spread Magnesium Chloride     | 45790 | 45791 | 45792 | 45793 | 45794 | 45795 | 7210 | 8210 |
| Amount of Spread Gravel                 | 45800 | 45801 | 45802 | 45803 | 45804 | 45805 | 7211 | 8211 |
| Amount of Spread Sand                   | 45810 | 45811 | 45812 | 45813 | 45814 | 45815 | 7212 | 8212 |
| Width Pouring Left                      | 45820 | 45821 | 45822 | 45823 | 45824 | 45825 | 7213 | 8213 |
| Width Pouring Right                     | 45830 | 45831 | 45832 | 45833 | 45834 | 45835 | 7214 | 8214 |
| Salt Spreader Working Hours             | 45840 | 45841 | 45842 | 45843 | 45844 | 45845 | 7215 | 8215 |
| Distance During Salting                 | 45850 | 45851 | 45852 | 45853 | 45854 | 45855 | 7216 | 8216 |
| Load Weight                             | 45860 | 45861 | 45862 | 45863 | 45864 | 45865 | 7217 | 8217 |
| Retarder Load                           | 45870 | 45871 | 45872 | 45873 | 45874 | 45875 | 7218 | 8218 |
| Cruise Time                             | 45880 | 45881 | 45882 | 45883 | 45884 | 45885 | 7219 | 8219 |
| CNG Status                              | 45890 | 45891 | 45892 | 45893 | 45894 | 45895 | 7236 | 8236 |
| CNG Used                                | 45900 | 45901 | 45902 | 45903 | 45904 | 45905 | 7237 | 8237 |
| CNG Level                               | 45910 | 45911 | 45912 | 45913 | 45914 | 45915 | 7238 | 8238 |
| Oil Level                               | 45920 | 45921 | 45922 | 45923 | 45924 | 45925 | 7239 | 8239 |
| Security state flags P4                 | 46030 | 46031 | 46032 | 46033 | 46034 | -     | 7443 | 8443 |
| Control state flags P4                  | 46040 | 46041 | 46042 | 46043 | 46044 | -     | 7444 | 8444 |
| Indicator state flags P4                | 46050 | 46051 | 46052 | 46053 | 46054 | -     | 7445 | 8445 |
| Agricultural state flags P4             | 46060 | 46061 | 46062 | 46063 | 46064 | -     | 7446 | 8446 |
| Utility state flags P4                  | 46070 | 46071 | 46072 | 46073 | 46074 | -     | 7447 | 8447 |
| LNG Used                                | 46090 | 46091 | 46092 | 46093 | 46094 | -     | 7574 | 8574 |
| LNG Used (counted)                      | 46100 | 46101 | 46102 | 46103 | 46104 | -     | 7575 | 8575 |
| LNG Level (%)                           | 46110 | 46111 | 46112 | 46113 | 46114 | -     | 7576 | 8576 |
| LNG Level (Kg)                          | 46120 | 46121 | 46122 | 46123 | 46124 | -     | 7577 | 8577 |

RS232/RS485

| Parameter ID | Parameter Type | Default value | Value range |     | Value                                 | Parameter name     |
|--------------|----------------|---------------|-------------|-----|---------------------------------------|--------------------|
|              |                |               | Min         | Max |                                       |                    |
| 150          | Uint8          | 0             | 0           | 2   | 0 - Disable<br>1 - RS232<br>2 - RS485 | External UART mode |

| Parameter ID | Parameter Type | Default value | Value range |     | Value | Parameter name                                                                                                                                                                                                                                                                                              |
|--------------|----------------|---------------|-------------|-----|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|              |                |               | Min         | Max |       |                                                                                                                                                                                                                                                                                                             |
| 151          | Uint8          | 0             | 0           | 15  | Mode  | 0 - Log Mode<br>1 - NMEA<br>2 - LLS<br>3 - LCD<br>4 - RFID HID<br>5 - RFID MF7<br>6 - Garmin FMI<br>7 - TCP ASCII<br>8 - TCP Binary<br>9 - TCP ASCII Buffered<br>10 - TCP Binary Buffered<br>11 - REC to LCD<br>12 - ATOL tachograph<br>13 - UL202-2 Fuel Sensor<br>14 - Magnetic card reader (Only FMU126) |

|     |       |                          |   |   |                                                                                                                   |          |
|-----|-------|--------------------------|---|---|-------------------------------------------------------------------------------------------------------------------|----------|
| 152 | UInt8 | Depends on selected Mode | 0 | 8 | 0 - Default<br>1 - 1200<br>2 - 2400<br>3 - 9600<br>4 - 14400<br>5 - 19200<br>6 - 38400<br>7 - 57600<br>8 - 115200 | Baudrate |
| 153 | UInt8 | Depends on selected Mode | 0 | 3 | 0 - Default<br>1 - None<br>2 - Odd<br>3 - Even                                                                    | Parity   |

| Parameter ID | Parameter Type | Default value | Value range |     | Value  | Parameter name |
|--------------|----------------|---------------|-------------|-----|--------|----------------|
|              |                |               | Min         | Max |        |                |
| 154          | UInt8          | 0             | 0           | 255 | Number | Prefix 1       |
| 155          | UInt8          | 0             | 0           | 255 | Number | Prefix 2       |
| 156          | UInt8          | 0             | 0           | 255 | Number | Prefix 3       |

| Parameter ID | Parameter Type | Default value | Value range |     | Value                                                                                  | Parameter name  |
|--------------|----------------|---------------|-------------|-----|----------------------------------------------------------------------------------------|-----------------|
|              |                |               | Min         | Max |                                                                                        |                 |
| 157          | UInt8          | 0             | 0           | 3   | 0 - No filter<br>1 - Ping filter<br>2 - Unicode filter<br>3 - Ping and Unicode filters | Garmin Features |

| Parameter ID | Parameter Type | Default value            | Value range |     | Value                                                                                                             | Parameter name |
|--------------|----------------|--------------------------|-------------|-----|-------------------------------------------------------------------------------------------------------------------|----------------|
|              |                |                          | Min         | Max |                                                                                                                   |                |
| 160          | UInt8          | 3                        | 0           | 4   | 0 - Log Mode<br>1 - NMEA<br>2 - LLS<br>3 - TCP ASCII<br>4 - TCP Binary                                            | Mode           |
| 161          | UInt8          | Depends on selected Mode | 0           | 8   | 0 - Default<br>1 - 1200<br>2 - 2400<br>3 - 9600<br>4 - 14400<br>5 - 19200<br>6 - 38400<br>7 - 57600<br>8 - 115200 | Baudrate       |

| Parameter ID | Parameter Type | Default value | Value range |     | Value  | Parameter name |
|--------------|----------------|---------------|-------------|-----|--------|----------------|
|              |                |               | Min         | Max |        |                |
| 162          | UInt8          | 0             | 0           | 254 | Number | LLS 1 Address  |
| 163          | UInt8          | 0             | 0           | 254 | Number | LLS 2 Address  |
| 164          | UInt8          | 0             | 0           | 254 | Number | LLS 3 Address  |
| 165          | UInt8          | 0             | 0           | 254 | Number | LLS 4 Address  |
| 166          | UInt8          | 0             | 0           | 254 | Number | LLS 5 Address  |

Default baudrate and parity by mode table:

| Mode     | RS232 default Baudrate | RS485 default Baudrate | Default Parity (RS232 only) |
|----------|------------------------|------------------------|-----------------------------|
| Log Mode | 115200                 | 115200                 | None                        |
| NMEA     | 115200                 | 115200                 | None                        |
| LLS      | 19200                  | 19200                  | None                        |

|                             |        |       |      |
|-----------------------------|--------|-------|------|
| <b>LCD</b>                  | 57600  | -     | None |
| <b>RFID HID</b>             | 57600  | -     | None |
| <b>RFID MF7</b>             | 9600   | -     | None |
| <b>Garmin FMI</b>           | 9600   | -     | None |
| <b>TCP ASCII</b>            | 115200 | 57600 | None |
| <b>TCP Binary</b>           | 115200 | 57600 | None |
| <b>Magnetic Card Reader</b> | 9600   | -     | None |