



## APPLICABILITY TABLE

	SW Versions
<b>GC Family ( Compact )</b>	10.00.xx7
GC864-QUAD	
GC864-QUAD V2	
GC864-DUAL V2	
<b>GE/GL Family ( Embedded )</b>	
GE864-QUAD	
GE864-QUAD V2	
GE864-QUAD Automotive V2	
GE864-QUAD ATEX	
GE864-DUAL V2	
GE864-GPS	
GE865-QUAD	
GL865-DUAL	
GL865-QUAD	
GL868-DUAL	
GE910-QUAD	13.00.xx3
GE910-GNSS	13.00.xx4
GE910-QUAD V3	16.00.xx3
GL865-DUAL V3	
GL865-QUAD V3	
GL868-DUAL V3	
<b>GT Family ( Terminal )</b>	10.00.xx7
GT863-PY	
GT864-QUAD	
GT864-PY	12.00.xx4
<b>HE910 Series</b>	
HE910 <sup>1</sup>	
HE910-GA	
HE910-D	
HE910-EUR / HE910-EUD	
HE910-EUG / HE910-NAG	
HE910-NAR / HE910-NAD	
<b>UE910 Series</b>	
UE910-EUR/EUD	
UE910-NAR/NAD	

**Note:** the features described in the present document are provided by the products equipped with the software versions equal or higher than the versions shown in the table.

<sup>1</sup> HE910 is the "type name" of the products marketed as HE910-G & HE910-DG.



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## 2.1.7. Network Registration

Before setting the monitoring of the specific REGISTERED event, it is good practice to configure the EVENT MONITOR service as previously stated in chapter 2.1, if it has not been done before:

**AT#ENAEVMONICFG=3,1,2**                      ← Example of configuration  
**AT#ENAEVMONI=1**                                ← Enabling the service




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**Note:** it is not mandatory to configure the EVENT MONITOR service before the setting of one of the specific event listed in Tab. 1.

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Use AT#EVMONI command with “REGISTERED” <label> to configure the “Network Registration” as the specific event to monitor. An example of setting is shown below:

- Write the text of the SMS (e.g. Module registered) that will be sent to the recipient subscriber when the module has been registered to home network or in roaming after the start-up. In the body of the following AT#EVMONI command is used the extended commands syntax to send both commands (+CMGF and #CMGS) on the instance configured via AT#ENAEVMONICFG command. The AT+CMGF command selects the Text Mode for the SMS message.  
**AT#EVMONI="REGISTERED",0,0,"AT+CMGF=1;#CMGS=+39346XXXXX,\22Module registered\22"**

The monitoring of the specific REGISTERED event is enabled issuing the following command:

**AT#EVMONI="REGISTERED",1**

In alternative, the event monitoring can be activated setting to 1 the second parameters of the AT#EVMONI command that include the sending of the SMS message.

After the module is powered OFF/ON and the “REGISTERED” event is occurred, on the DTE is displayed the following URC:

**#EVMONI: AT+CMGF=1;#CMGS=+39346XXXXX,"Module registered"**

At the same time, the SMS message is sent to the recipient subscriber. No responses commands are shown on the DTE because they are executed on the instance previously configured via AT#ENAEVMONICFG command.





**Event Monitor Application Note**  
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In alternative, the event monitoring can be activated setting to 1 the second parameters of any AT command included in the step sequence. It is suggested to use the last AT commands that closes the step sequence configuration.




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**Note:** the sequence of the steps previously shown is not mandatory, it may be changed.

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When the "GPIO1" event is occurred, on the DTE is displayed the following URC:

```
#EVMONI: AT+CMGF=1;#CMGS="+39346XXXXX,"GPIO4 high"
```

At the same time, the SMS message is sent to the recipient subscriber. No responses commands are shown on the DTE because they are executed on the instance previously configured via AT#ENAEVMONICFG command.




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**Warning:** if the GPIO pin direction is set to 2, i.e. "Alternate Functions", the GPIO pin status cannot be monitored, because it has no meaning, refer to [1], [2], and [5].

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## 2.1.9. ADC Pin Exceeds Voltage Threshold

Before setting the monitoring of the specific ADCH1 event, it is good practice to configure the EVENT MONITOR service as previously stated in chapter 2.1, if it has not been done before:

```
AT#ENAEVMONICFG=3,1,2    ← Example of configuration
AT#ENAEVMONI=1           ← Enabling the service
```




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**Note:** it is not mandatory to configure the EVENT MONITOR service before the setting of one of the specific event listed in Tab. 1.

---

Use AT#EVMONI command with "ADCH1" <label> to configure the "ADC Pin Exceeds Voltage Threshold" as the specific event to monitor. An example of setting is shown by the following steps:

- Step 1: monitor the ADC pin 2, it is the example shown below. In general, the available ADC pins number depends on the used module; please refer to the specific Hardware User Guide.

```
AT#EVMONI="ADCH1",0,1,2
```











### 3. Abbreviation and acronyms

ADC	Analog Digital Converter
DTE	Data Terminal Equipment
DTMF	Dual Tone Multiple Frequency
DTR	Data Terminal Ready
FOTA	Firmware Over The Air
GPIO	General Purpose Input/Output
NVM	Non Volatile Memory
URC	Unsolicited Result Code
URC	Unsolicited Result Code

