

Examples of scripts for GenPro 20e SQB modem & GSM0308 module

1 - Cyclic Reset

Example for 24 h :

```
AT$EVTIM1=86400           //Timer 1 = 86400 seconds = 24h
AT$EVENT=1,1,12,1,1      // If Timer 1 expire (=1s)
AT$EVENT=1,3,44,1,0      // Execute Stored AT Command 1
AT$STOATEV=1,AT$RESET    // Stored AT Command 1 = AT$RESET
```

```
AT&W
AT$RESET
```

2- Watchdog on GSM Network attachment:

In this example, if the modem stays unregistered on GSM network during 600s (10mn), a Reset will be executed. (GSM registered = +CREG 1 or 5)

```
AT$EVENT=13,0,9,1,1      // IF %CREG IS 1
AT$EVENT=13,3,44,2,0     // EXECUTE STORED AT COMMAND 2 - SET TIMER 1 TO ZERO
AT$EVENT=14,0,9,5,5      // IF %CREG IS 5
AT$EVENT=14,3,44,2,0     // EXECUTE STORED AT COMMAND 2 - SET TIMER 1 TO ZERO
AT$EVENT=15,0,9,2,4      // IF %CREG IS BETWEEN 2 AND 4
AT$EVENT=15,3,43,1,600   // SET TIMER 1 TO 600 SECONDS (10 minutes)
AT$EVENT=16,0,9,6,9      // IF %CREG IS BETWEEN 6 AND 9
AT$EVENT=16,3,43,1,600   // SET TIMER 1 TO 600 SECONDS (10 minutes)
AT$EVENT=17,0,9,0,0      // IF %CREG IS 0
AT$EVENT=17,3,43,1,600   // SET TIMER 1 TO 600 SECONDS (10 minutes)
AT$EVENT=18,1,12,1,1     // IF TIMER 1 EXPIRE
AT$EVENT=18,3,44,1,0     // EXECUTE STORED AT COMMAND IN SLOT 1
```

```
AT$STOATEV=1,AT$RESET    // STORED AT COMMAND...RESET MODEM
AT$STOATEV=2,AT$EVTIM1=0 // STORED AT COMMAND...SET TIMER1 TO 0
```

```
AT&W
AT$RESET
```

3 - Script Flash Led :

Example with 0,5s ON / 2s OFF if modem is registered (+CREG = 1 or 5)

```
at$event=10,0,9,2,4      // IF %CREG BETWEEN 2 and 4
at$event=10,3,19,1,1     // Execute GPIO4 à 1
at$event=11,0,9,1,1      // IF %CREG IS 1
at$event=11,3,35,524289,0 // Execute GPIO4 Flashing in 1/4s :bit 16/31=low; bit 0/15=high
at$event=12,0,9,5,5      // IF %CREG IS 5
at$event=12,3,35,524289,0 // Execute GPIO4 Flashing in 1/4s :bit 16/31=low; bit 0/15=high
```

```
AT&W
AT$RESET
```

Note : example for a flashing led with 1s ON / 2s OFF (standard production setting) :

```
at$event=11,3,35,524292,0
at$event=12,3,35,524292,0
```