

libcampo - Feature #565

config description

10.09.2024 15:40 - Maximilian Seesslen

Status:	Erledigt	Beginn:	10.09.2024
Priorität:	Normal	Abgabedatum:	
Zugewiesen an:	Maximilian Seesslen	% erledigt:	0%
Kategorie:		Geschätzter Aufwand:	0.00 Stunde
Zielversion:	v0.5.0	Aufgewendete Zeit:	0.00 Stunde
CS Zielversion:			

Beschreibung

VAGUS_USE_UID
Support for biwak UID. NMT can change NodeID by UID. CollectHwData can store it so production data can be collected.

VAGUS_INSTANCIATE_EEPROM
Create an own instance of an eeprom object. This is needed when your arena application does not contain the eeprom.

VAGUS_USE_HEARTBEAT
Create an instance of CHeartBeat. "Beacon" command is implemented.

VAGUS_USE_HEARTBEAT_EVENTS
Support events. The event code will be send via CAN.

VAGUS_EEPROM_WIDTH_DETECT
VAGUS_EEPROM_WIDTH_8BIT
VAGUS_EEPROM_WIDTH_16BIT
Configure the address width of the eeprom

VAGUS_TRAFFIC_LED
Use an LED for CAN traffic. It will blink whenever messages are received or send. The name of the LED has to be "m_ledTraffic".

VAGUS_CAN_EVENTLOOP
Vagus should take care about handling incoming can messages.

VAGUS_HANDLE_STATUS
Send status information via TDT whenever it changes or periodically.

VAGUS_USE_OPERATINGTIME
Store operating time in eeprom periodically.

VAGUS_USE_BRINGUP
support writeHwData, readHwData and collectHwData

VAGUS_SEND_CONFIG
Sending config on nmtSendConfig command.

VAGUS_CUSTOM_SEND_CONFIG
implement an own sendConfig(). When VAGUS_SEND_CONFIG is also set, the sendConfig() from CVagus will be called first and then call the customers sendConfig().

VAGUS_CUSTOM_DIGEST_SEND_OBJECT
implement an own digestSendObject(). Whenever another node sends an object like temperature value, you can catch it here.

VAGUS_CUSTOM_DIGEST_WRITE_OBJECT
implement an own digestWriteObject(). The digestWriteObject() from CVagus will be called first and then call the customers digestWriteObject().

VAGUS_USE_BOOTCOUNTER
Handle boot counter. It will be updated on every boot.

VAGUS_HANDLE_FLAGS

Handling flags stored in eeprom. At the moment only auto reboot is available.

VAGUS_WRITE_NODEID

Handle writing the nodeId-Object directly. NMT can be used now.

VAGUS_CUSTOM_BUS

An custom transmit() is implemented. CANBridge needs this. Whenever vagus wants to transmits an message like sending configuration, it also has to be send via other channel.

Historie

#1 - 11.09.2024 13:31 - Maximilian Seesslen

```
/**
 * \defgroup configs Configuration defines
 * @{
 */

/**
 * @def VAGUS_USE_UID
 *
 * Support for biwak UID. NMT can change NodeID by UID. CollectHwData can store it so production data can
 * be collected.
 */
#define VAGUS_USE_UID

/**
 *
 * @def VAGUS_INSTANCIATE_EEPROM
 *
 * Create an own instance of an eeprom object. This is needed when your arena application does not contain the eeprom.
 */
#define VAGUS_USE_HEARTBEAT
/* Create an instance of CHeartBeat. "Beacon" command is implemented. */

#define VAGUS_USE_UID
#define VAGUS_INSTANCIATE_EEPROM
#define VAGUS_USE_HEARTBEAT

/**
 * @}
 */
```

#2 - 11.09.2024 20:29 - Maximilian Seesslen

- Status wurde von Neu zu Erledigt geändert
- Zugewiesen an wurde auf Maximilian Seesslen gesetzt
- Zielversion wurde auf v0.5.0 gesetzt