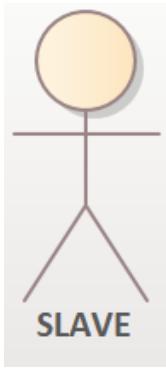


مدل سازی کتابخانه PROFIBUS

Prepared by Sajjad pourmohammad

لایه های کتابخانه



Library

Config.h

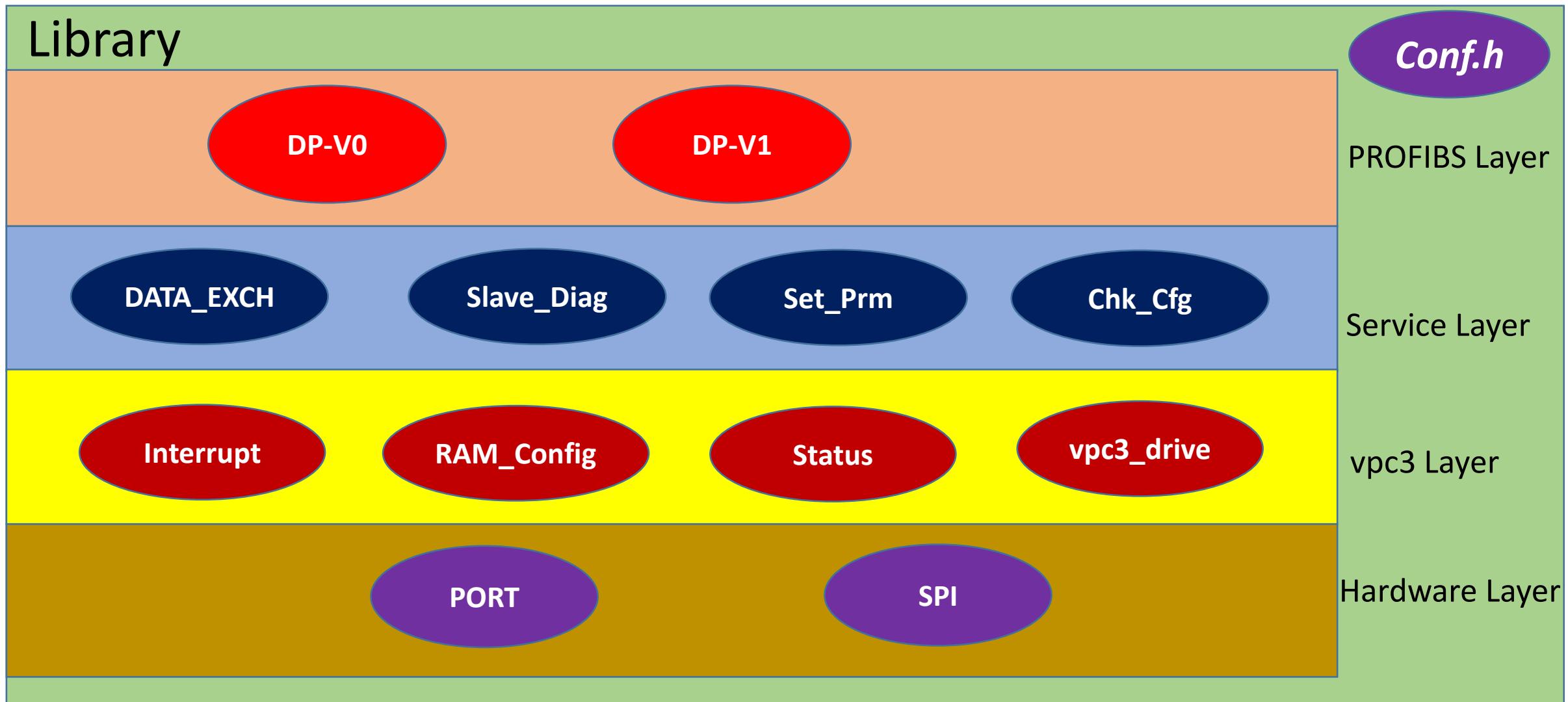
PROFIBIS Layer

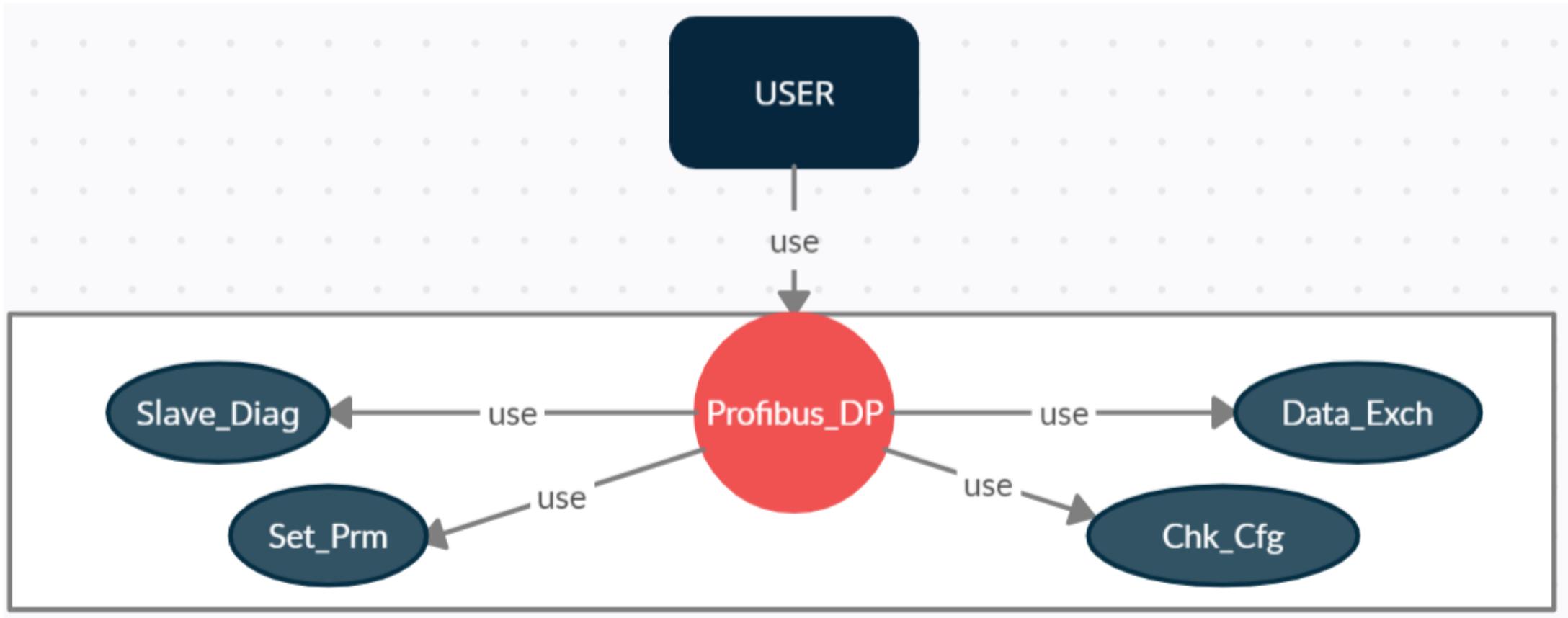
Service Layer

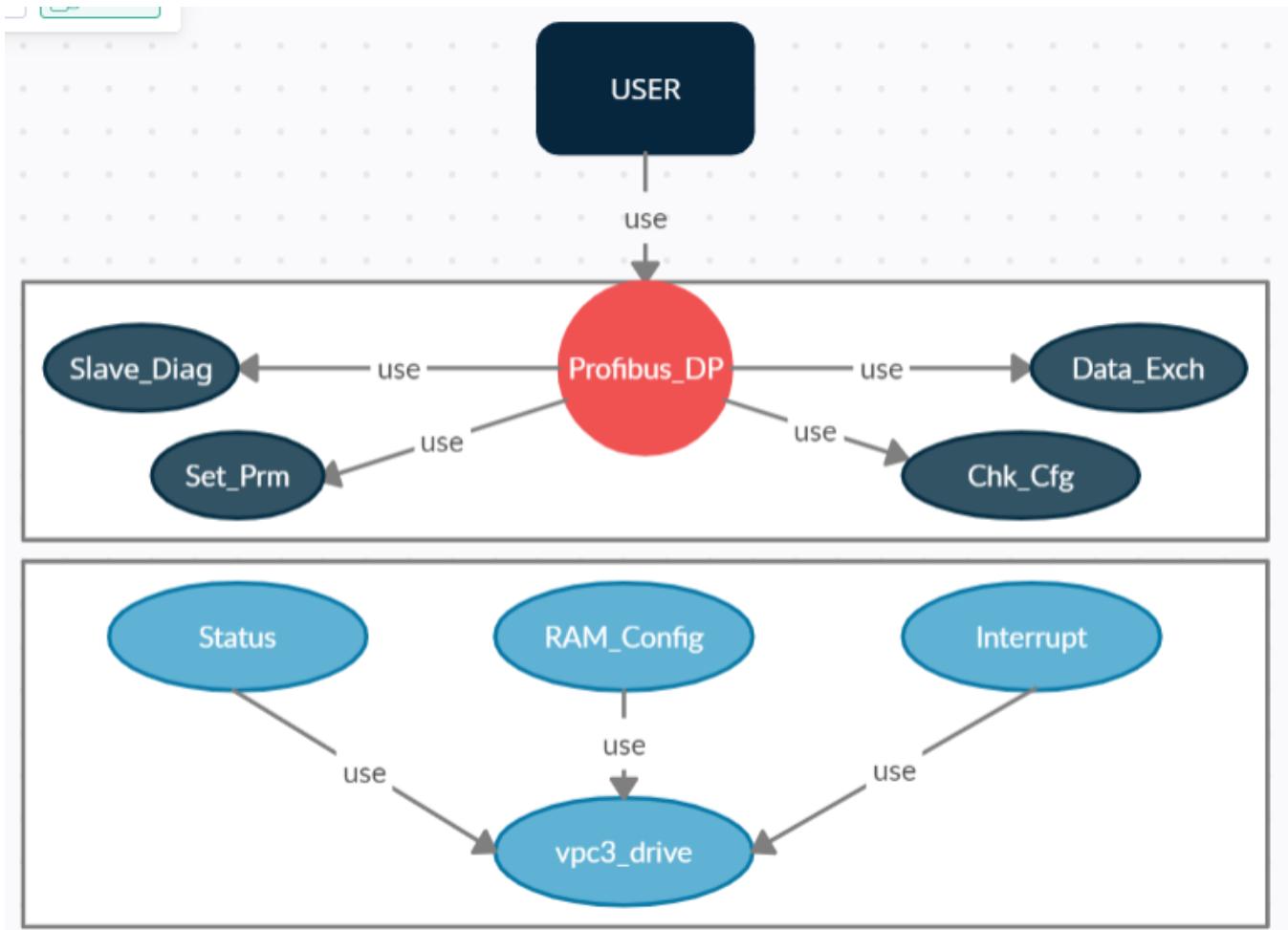
vpc3 Layer

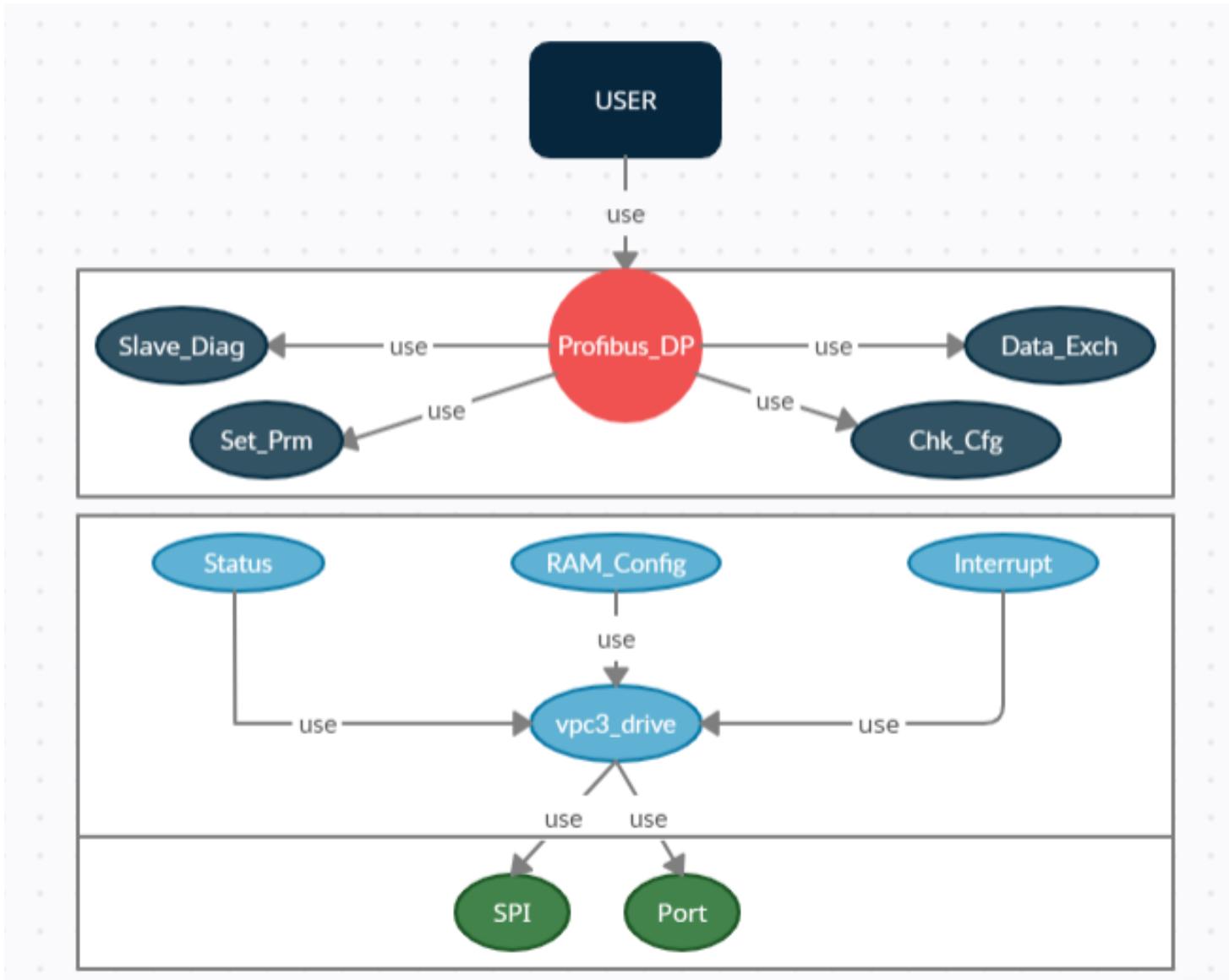
Hardware Layer

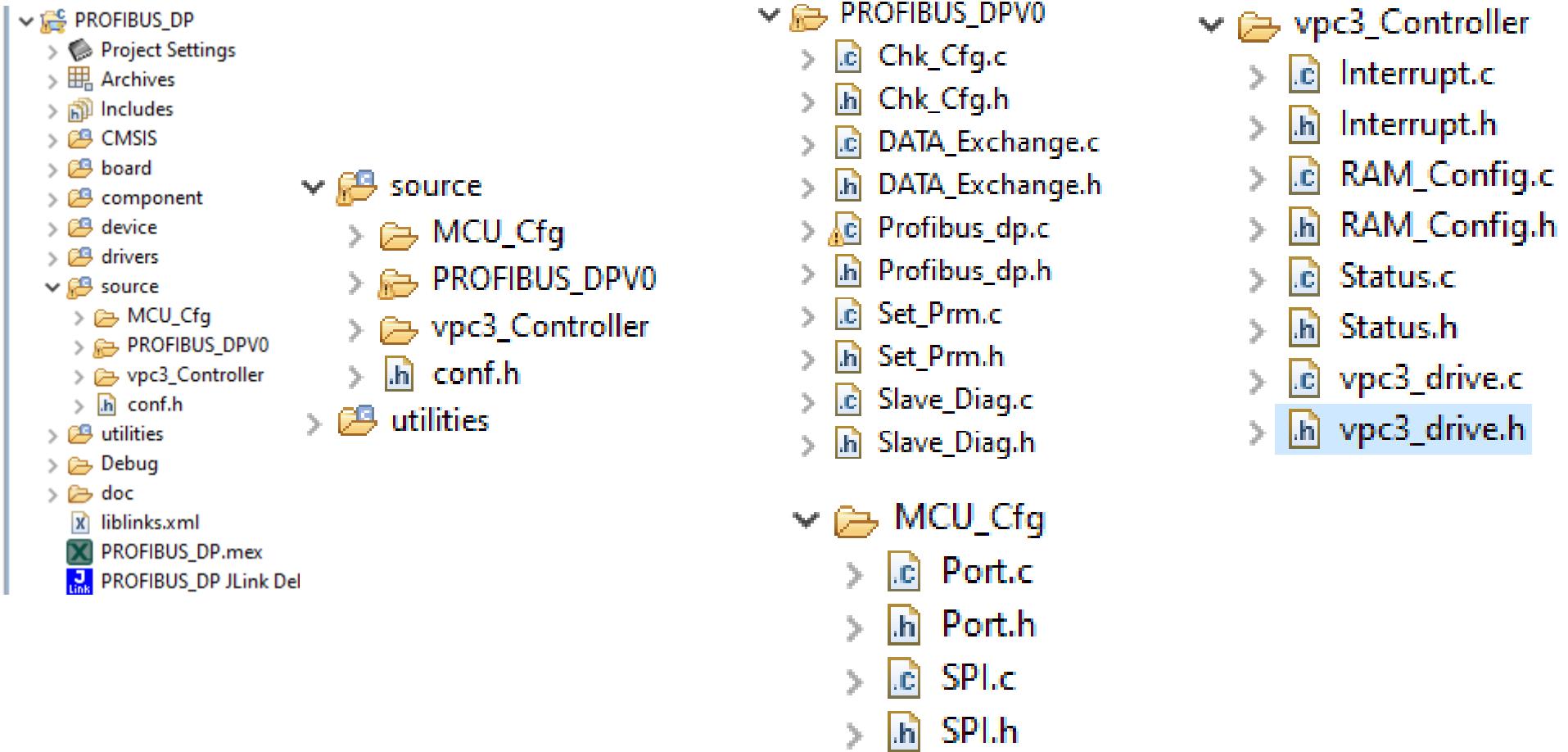
لایه های کتابخانه



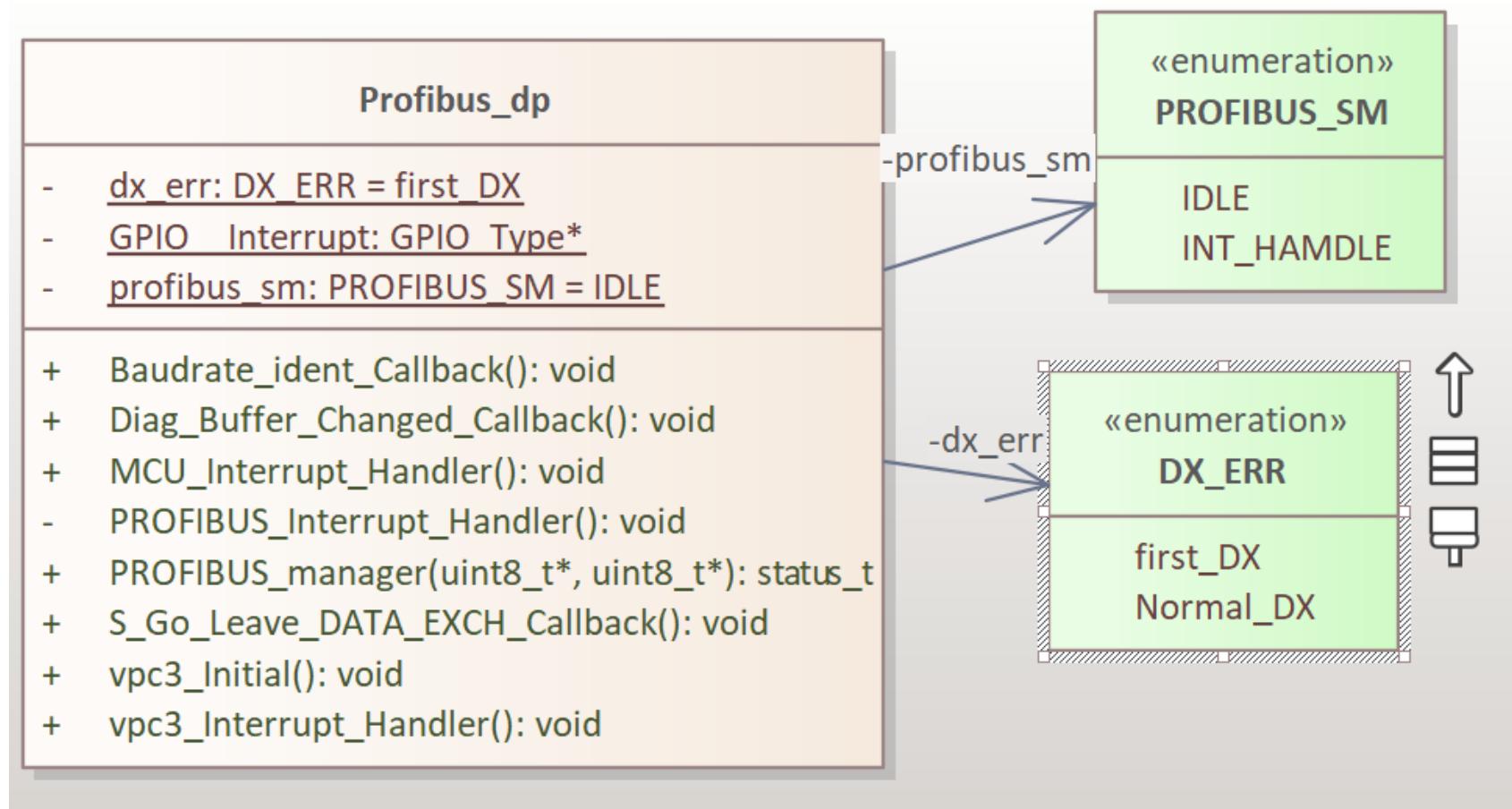




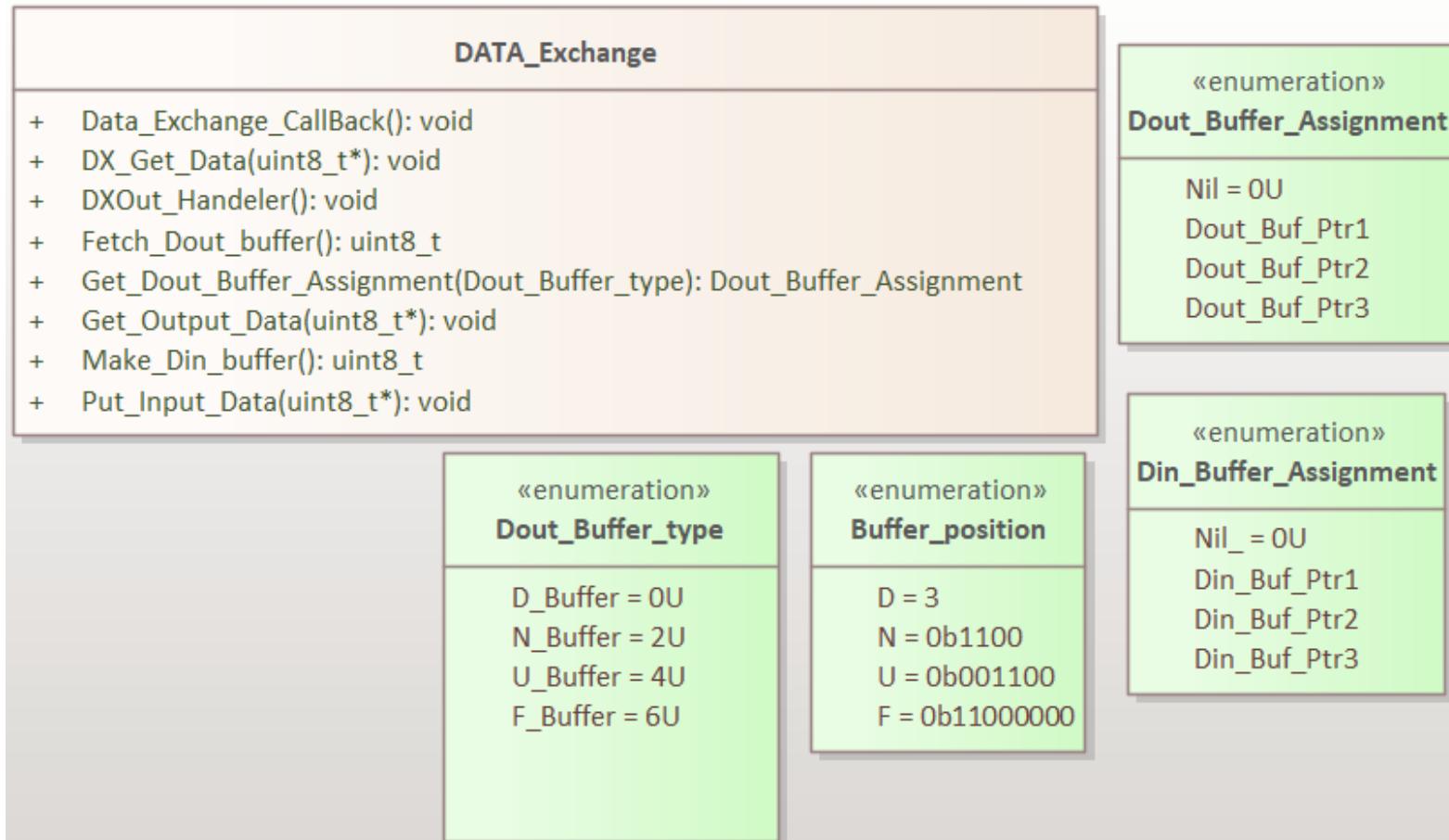




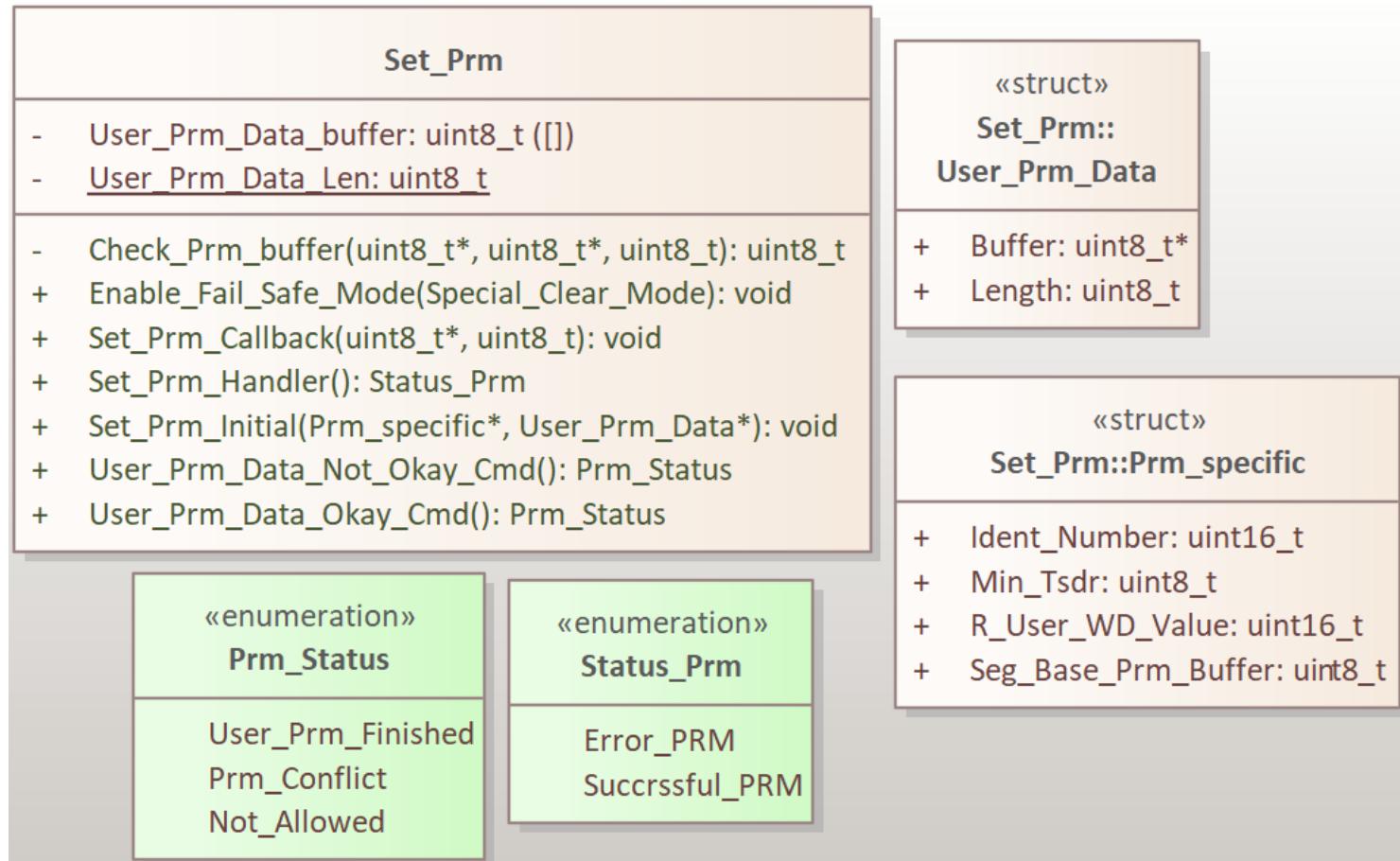
PROFIBUS_Layer -> Profibus_dp



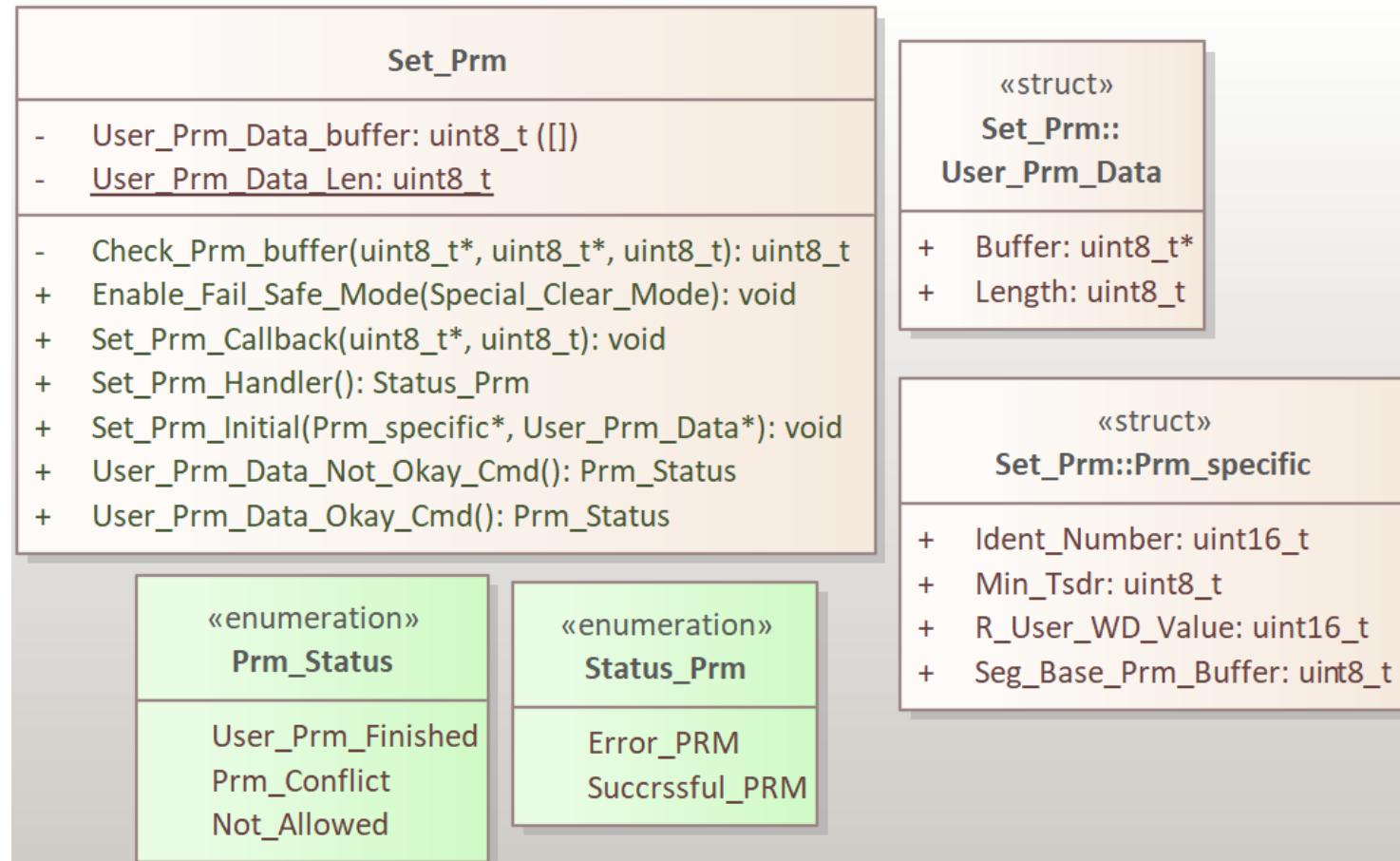
PROFIBUS_Layer -> Data_Exch



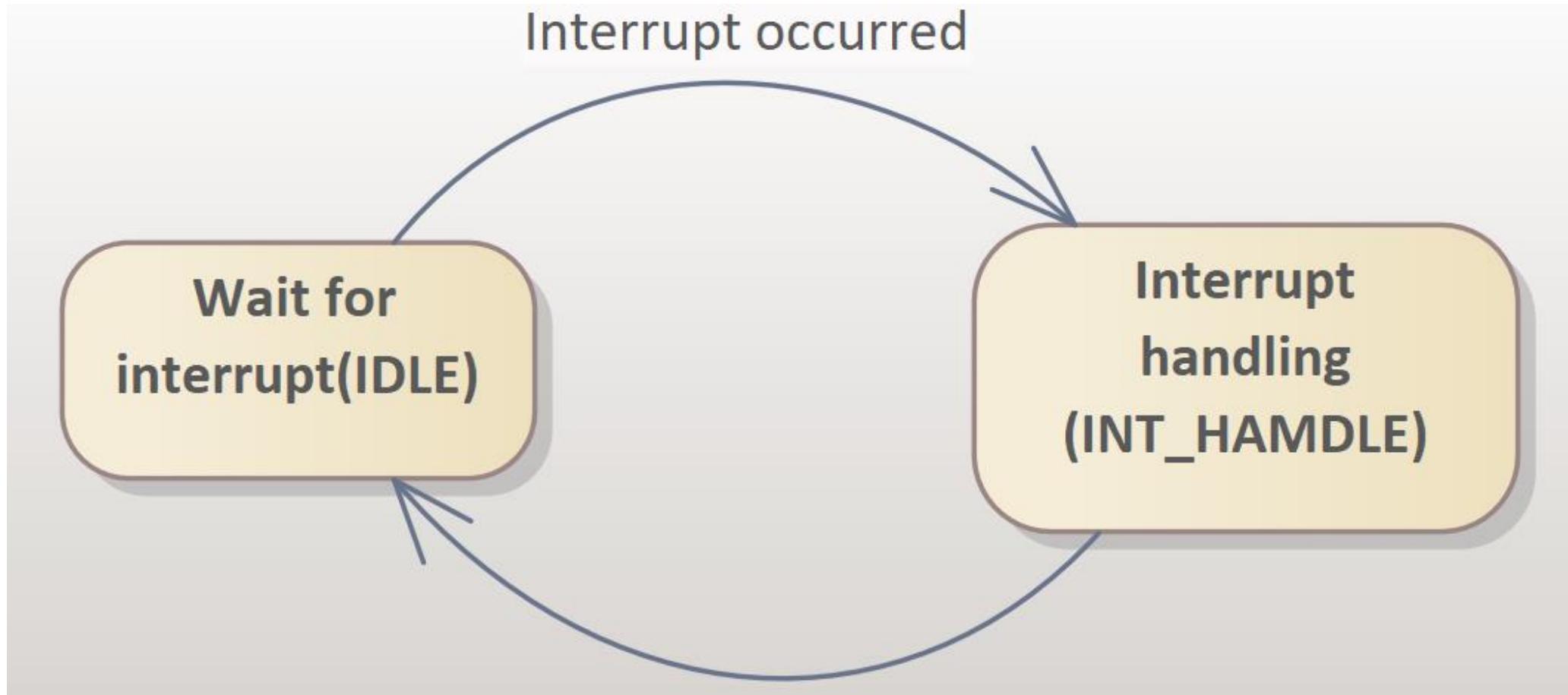
PROFIBUS_Layer -> Set_Prm



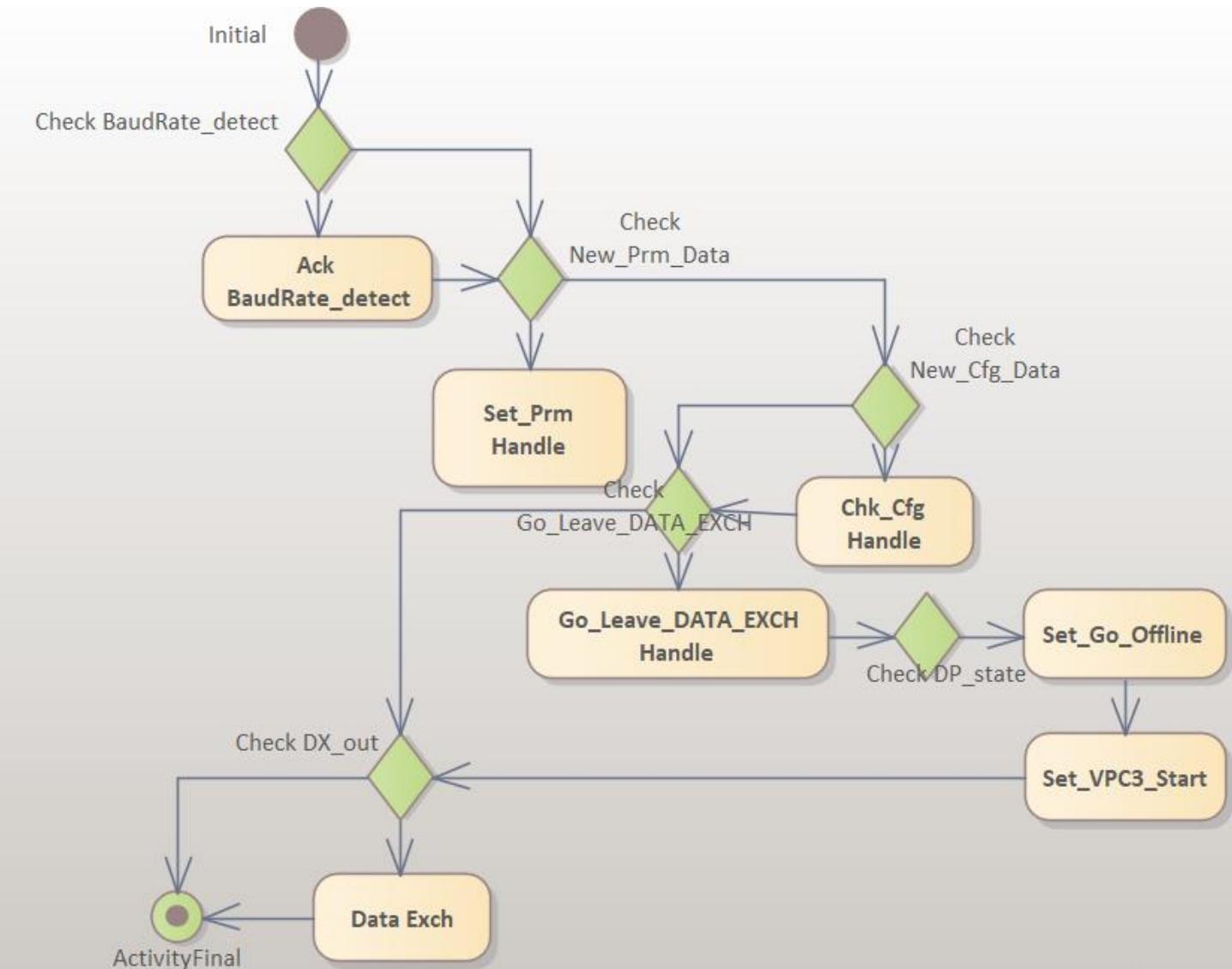
PROFIBUS_Layer -> Chk_Cfg



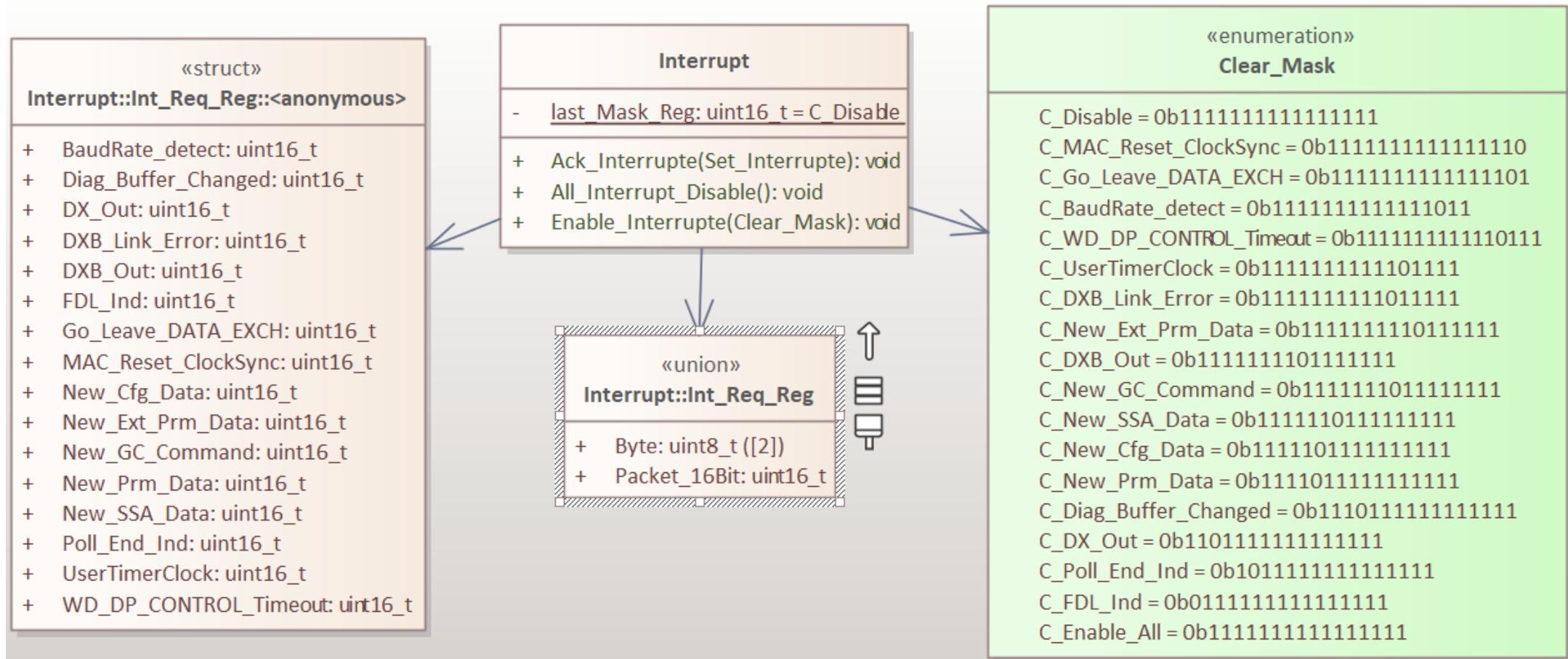
PROFIBUS Main State



PROFIBUS Manager



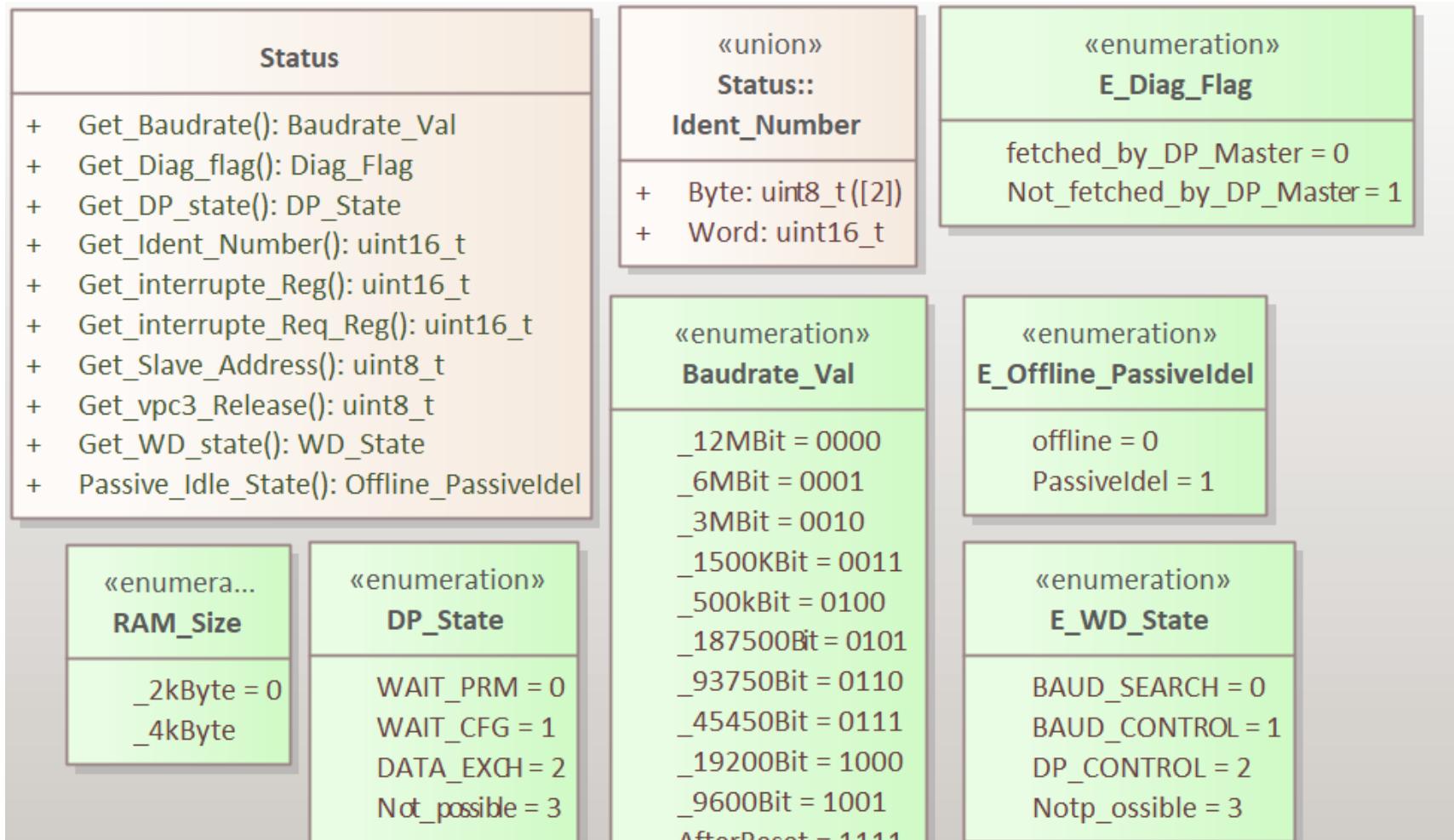
Vpc3_Layer -> Interrupt



Vpc3_Layer -> RAM_Config

- این لایه از کتابخانه به علت بزرگ بودن class به خود فایل eapx. مراجعه شود.

Vpc3_Layer -> Status



Vpc3_Layer -> vpc3_drive

vpc3_drive

- + vpc3_Read_Array(uint16_t, uint8_t*, uint8_t): void
- + vpc3_Read_Byte(uint16_t): uint8_t
- + vpc3_Reset(): void
- + vpc3_Write_Array(uint16_t, uint8_t*, uint8_t): void
- + vpc3_Write_Byte(uint16_t, uint8_t): void

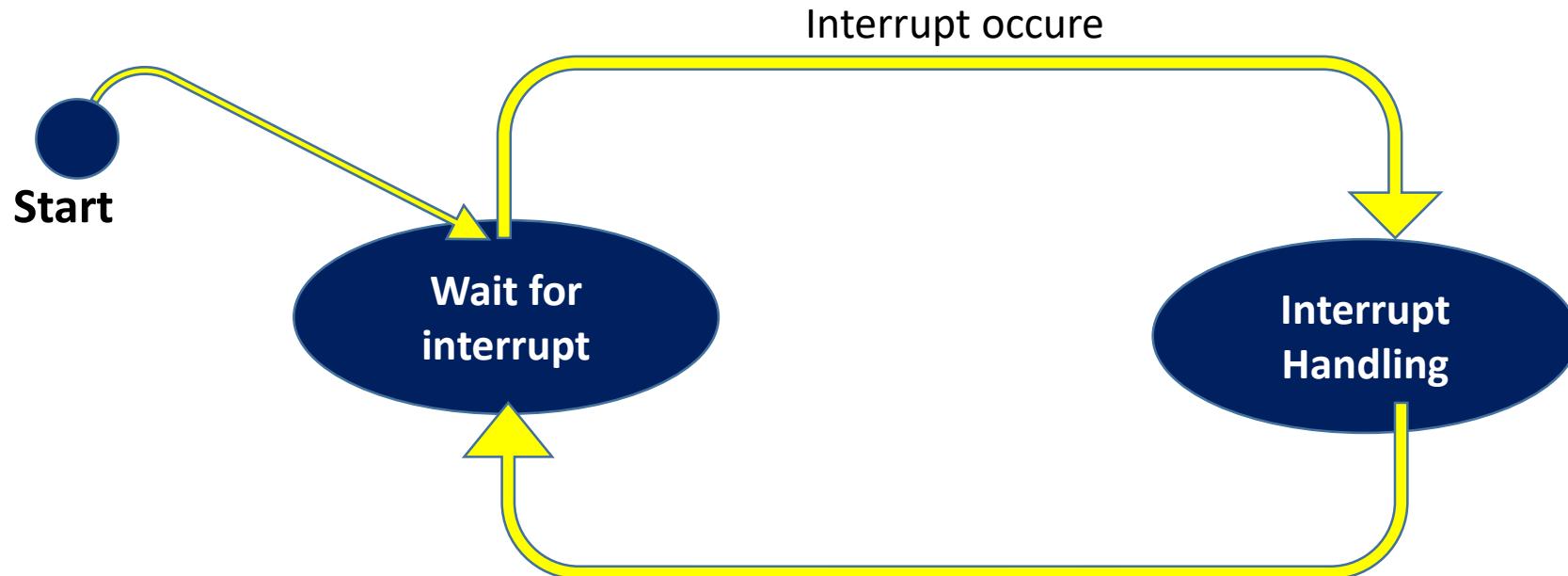
MCU_Layer -> SPI and PORT

Port
+ Config_Interrupt_PIN(PORT_Type*, GPIO_Type*, uint32_t): void
+ Config_Reset_PIN(PORT_Type*, GPIO_Type*, uint32_t): void
+ Config_Reset_PIN_Default(): void
+ GPIO_Clear(GPIO_Type*, uint32_t): void
+ GPIO_Set(GPIO_Type*, uint32_t): void
+ PIN_Config(): void

SPI
- <u>SPI x: SPI_Type*</u>
+ PIN_Config(): void
+ SPI_Config(SPI_Type*): void
+ SPI_Receive(uint8_t*, uint8_t): void
+ SPI_Transfer_Recieve(uint8_t*, uint8_t*, uint8_t): void
+ SPI_Transmit(uint8_t*, uint8_t): void

رفتار کتابخانه

Interrupt manager



رفتار کتابخانه

PROFIBUS Manager()

Start

