

## 8.1.4 Expected Interfaces

In this chapter, all interfaces required by other modules are listed.

### 8.1.4.1 Mandatory Interfaces

The following table defines all interfaces which are required to fulfill the core functionality of the module.

[SWS\_NvM\_00465] [

API function	Description
EcuM_CB_NfyNvMJobEnd	Used to notify about the end of NVRAM jobs initiated by EcuM The callback must be callable from normal and interrupt execution contexts.
MemIf_Cancel	Invokes the "Cancel" function of the underlying memory abstraction module selected by the parameter DeviceIndex.
MemIf_EraseImmediateBlock	Invokes the "EraseImmediateBlock" function of the underlying memory abstraction module selected by the parameter DeviceIndex.
MemIf_GetJobResult	Invokes the "GetJobResult" function of the underlying memory abstraction module selected by the parameter DeviceIndex.
MemIf_GetStatus	Invokes the "GetStatus" function of the underlying memory abstraction module selected by the parameter DeviceIndex.
MemIf_InvalidateBlock	Invokes the "InvalidateBlock" function of the underlying memory abstraction module selected by the parameter DeviceIndex.
MemIf_Read	Invokes the "Read" function of the underlying memory abstraction module selected by the parameter DeviceIndex.
MemIf_Write	Invokes the "Write" function of the underlying memory abstraction module selected by the parameter DeviceIndex.

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### 8.1.4.2 Optional Interfaces

The following table defines all interfaces which are required to fulfill an optional functionality of the module.

[SWS\_NvM\_00466] [

API function	Description
Crc_CalculateCRC16	This service makes a CRC16 calculation on Crc_Length data bytes.
Crc_CalculateCRC32	This service makes a CRC32 calculation on Crc_Length data bytes.
Crc_CalculateCRC8	This service makes a CRC8 calculation on Crc_Length data bytes, with SAE J1850 parameters
Dem_SetEventStatus	Called by SW-Cs or BSW modules to report monitor status information to the Dem. BSW modules calling Dem_SetEventStatus can safely ignore the return value.
Det_ReportError	Service to report development errors.
MemIf_SetMode	Invokes the "SetMode" functions of all underlying memory abstraction modules.

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### 8.1.4.3 Configurable interfaces