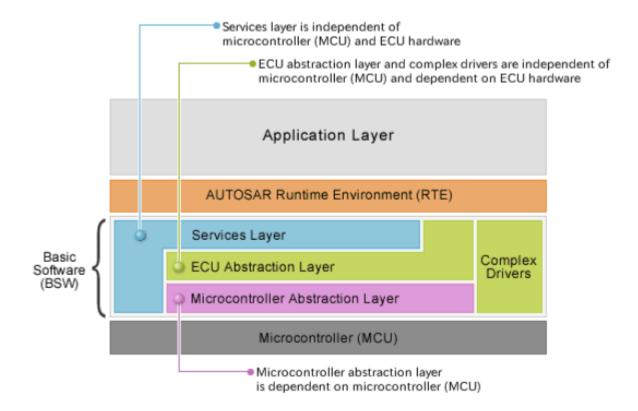


### Overview



https://www.renesas.com/us/en/application/automotive/common-automotive-technologies/autosar/autosar-layered-architecture

#### Overview

### AUTOSAR\_TPS\_ManifestSpecification

https://www.autosar.org/fileadmin/user\_upload/standards/adaptive/1911/AUTOSAR\_TPS\_ManifestSpecification.pdf

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F Splitable Elements in the Scope of this Document

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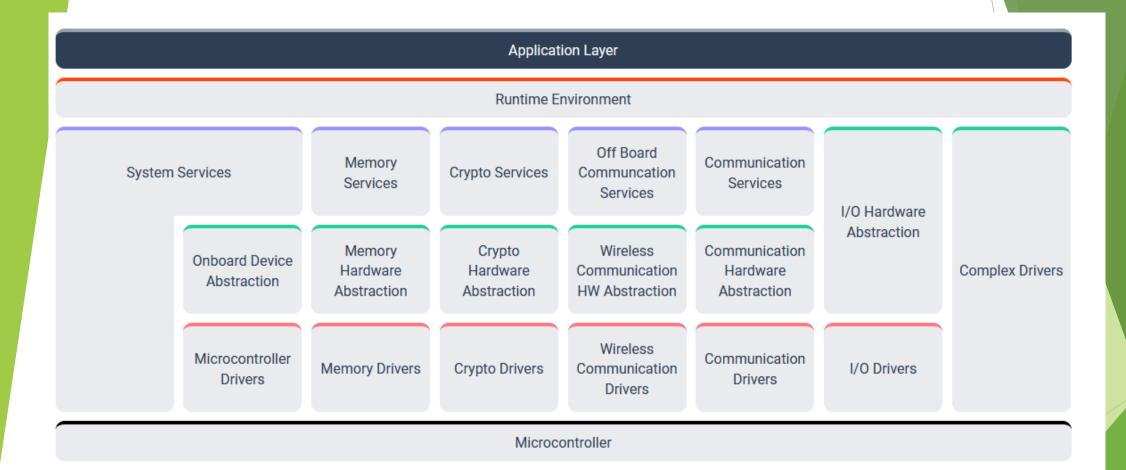
Specification of Manifest AUTOSAR AP R19-11

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Document Responsibility	AUTOSAR
Document Identification No	713

Document Status	published
Part of AUTOSAR Standard	Adaptive Platform
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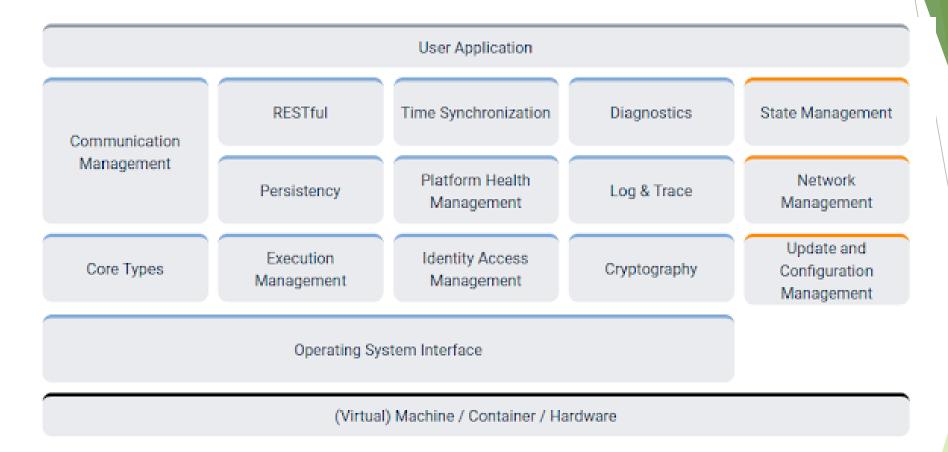
Document Change History			
Date	Release	Changed by	Description
		AUTOSAR	Overhaul of Signal-to-Service Translation     Support for Raw Data Streams

#### 1. Classic Platform



https://www.autosar.org/standards/classic-platform/

## 2. Adaptive Platform



https://www.autosar.org/standards/adaptive-platform/

3. Basic software Thong LT autosar

### 3. Basic software

## **AUTOSAR XML files**

https://www.ibm.com/docs/en/rhapsody/9.0.1?topic=m
odeling-importing-exporting-autosar-xml-files

https://www.autosar.org/fileadmin/user\_upload/standar

ds/classic/4-

3/AUTOSAR\_SWS\_DiagnosticEventManager.pdf

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dem-module.html

https://www.autosar.org/fileadmin/user\_upload/standards/classic/4-3/AUTOSAR\_SWS\_DiagnosticOverIP.pdf

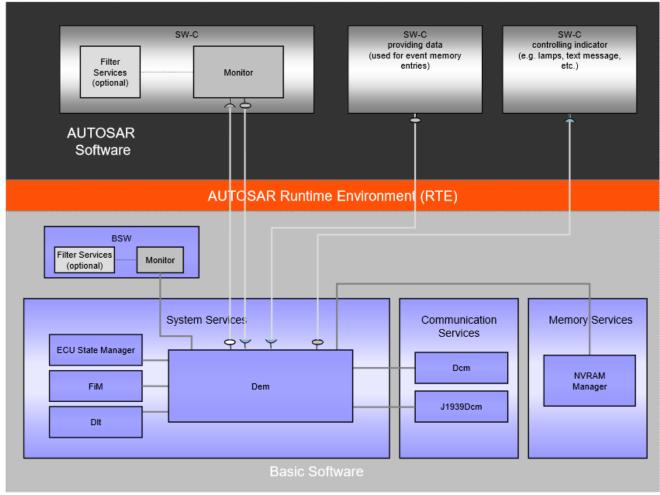


Figure 5.1: Dependencies of the Dem to other software modules

- -The AUTOSAR basic software (BSW)
- Diagnostic event manager (DEM)
- Diagnostic communication manager (DCM)
- Function inhibition manager (FIM)
- Software components (SWCs)
- Diagnostic trouble codes (DTC)

## 9.1 ControlDTCSetting

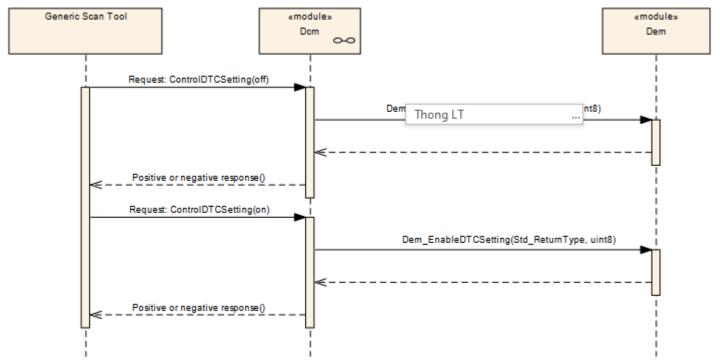


Figure 9.1: Sequence diagram of ControlDTCSetting

### 9.2 Dem\_ClearDTC

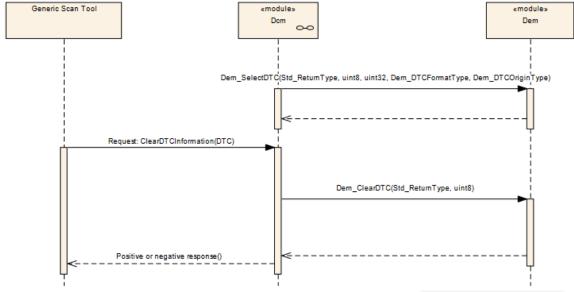


Figure 9.2: Sequence diagram of Dem\_Clea Thong LT

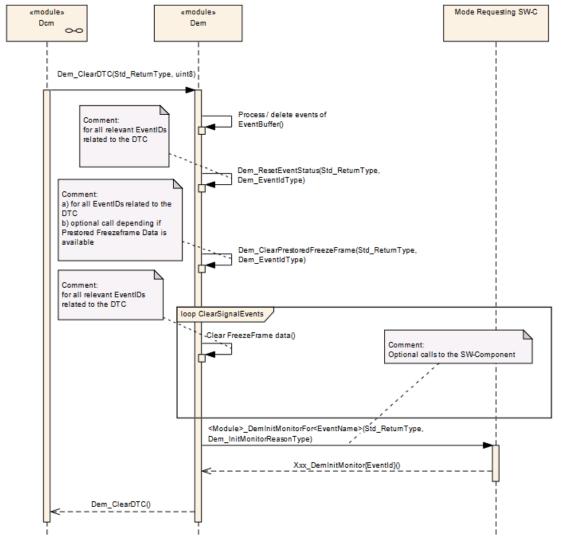


Figure 9.3: Sequence diagram of Dem\_ClearDTC clearing a single DTC Dem-internally

### 9.10 ProcessEvent (Example)

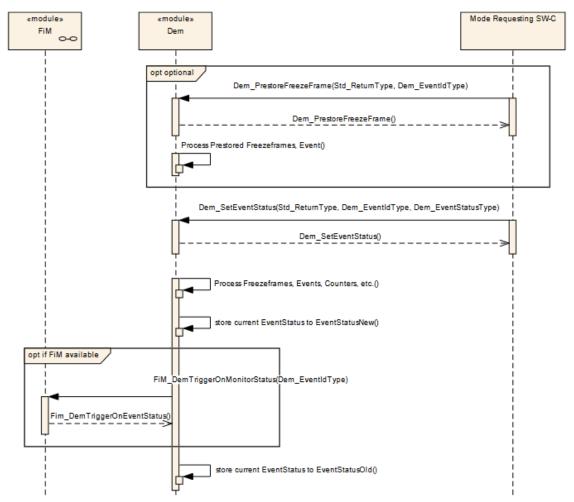
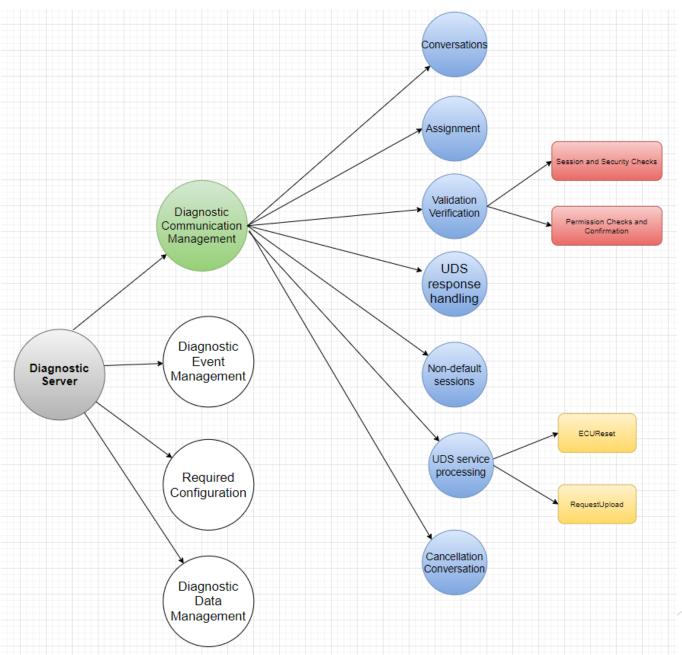


Figure 9.11: Sequence diagram for an example of ProcessEvent Dem-internally



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Diagnostic Event Manager

https://www.autosar.org/fileadmin/user\_upload/standards/classic/4-3/AUTOSAR\_SWS\_DiagnosticEventManager.pdf

- Function inhibition manager (FIM)

https://www.autosar.org/fileadmin/user\_upload/standards/classic/4-3/AUTOSAR\_SWS\_FunctionInhibitionManager.pdf

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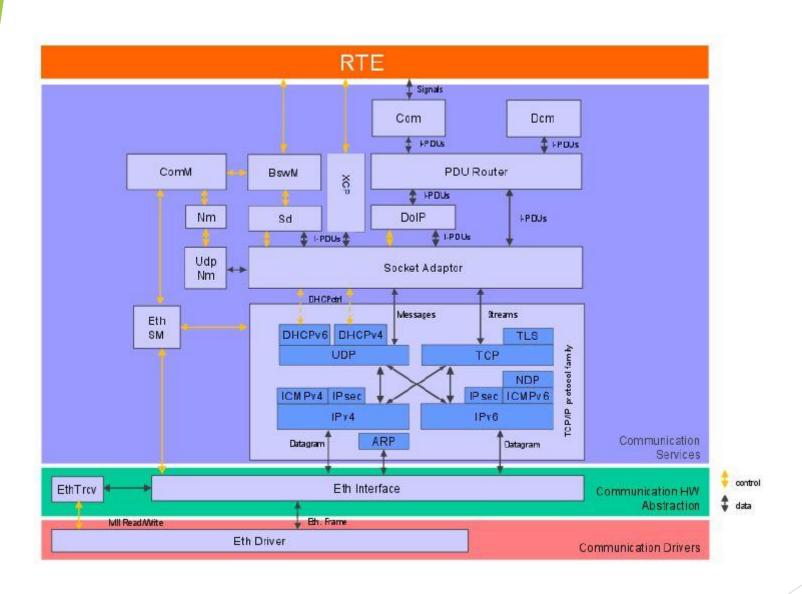
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			Overhaul of Signal-to-Service Translation
		AUTOSAR	<ul> <li>Support for Raw Data Streams</li> </ul>

https://www.autosar.org/fileadmin/user\_upload/standards/classic/4-3/AUTOSAR\_TPS\_DiagnosticExtractTemplate.pdf



### 5. DolP- PDU Router

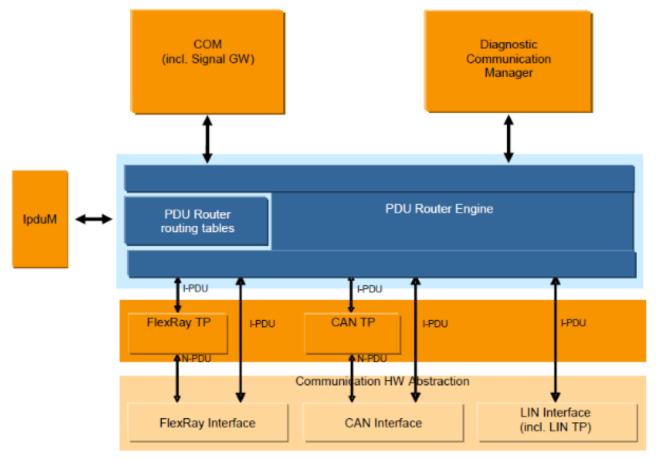


Figure 1.2: Detailed PDU Router Structure showing FlexRAy, CAN and LIN

https://www.autosar.org/fileadmin/user\_upload/standards/classic/20-11/AUTOSAR\_SWS\_PDURouter.pdf

6. Advanced driver-assistance system (ADAS) Thong LT autosar 7. CAN protocol Thong LT autosar