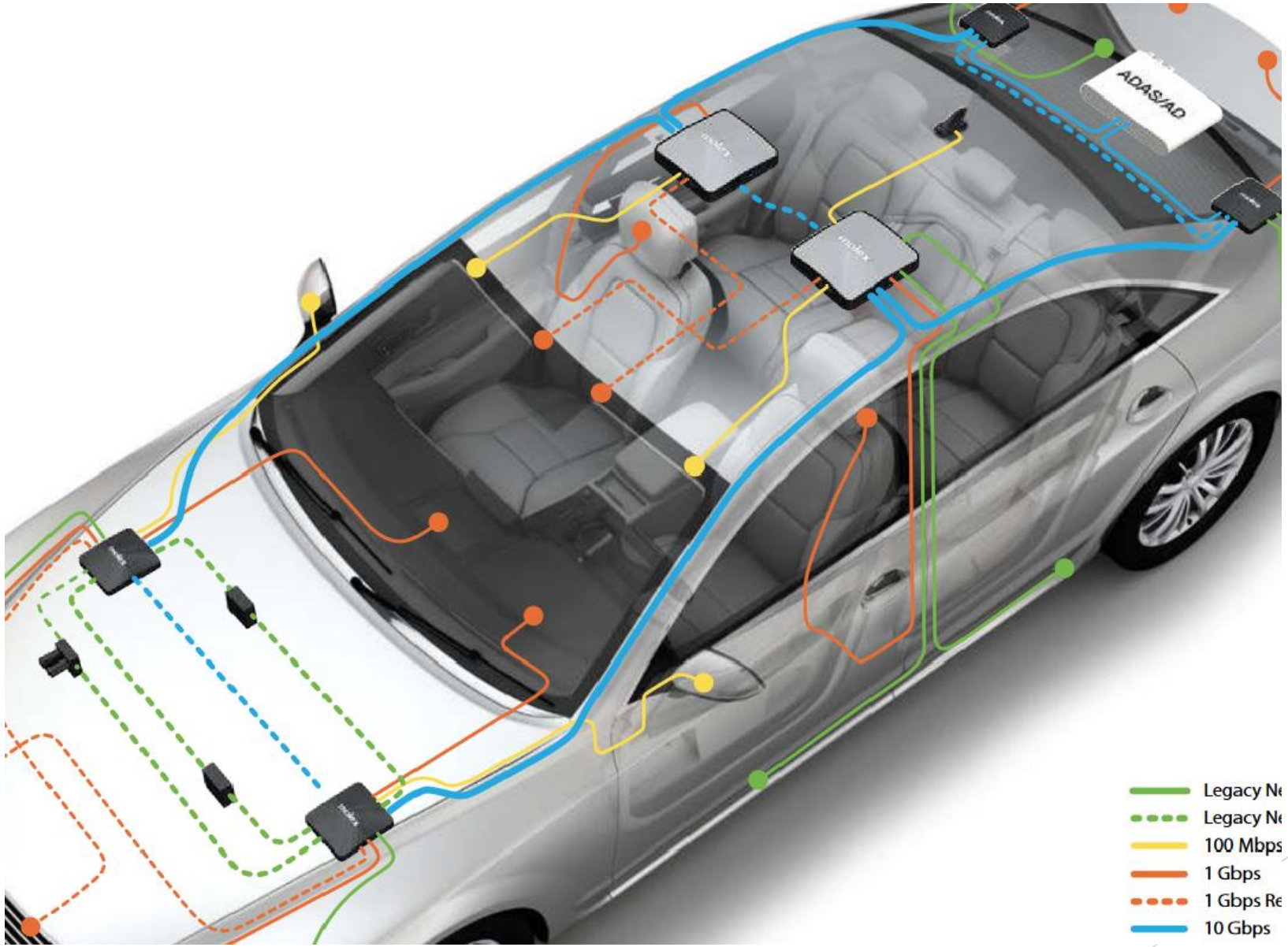
# Overview



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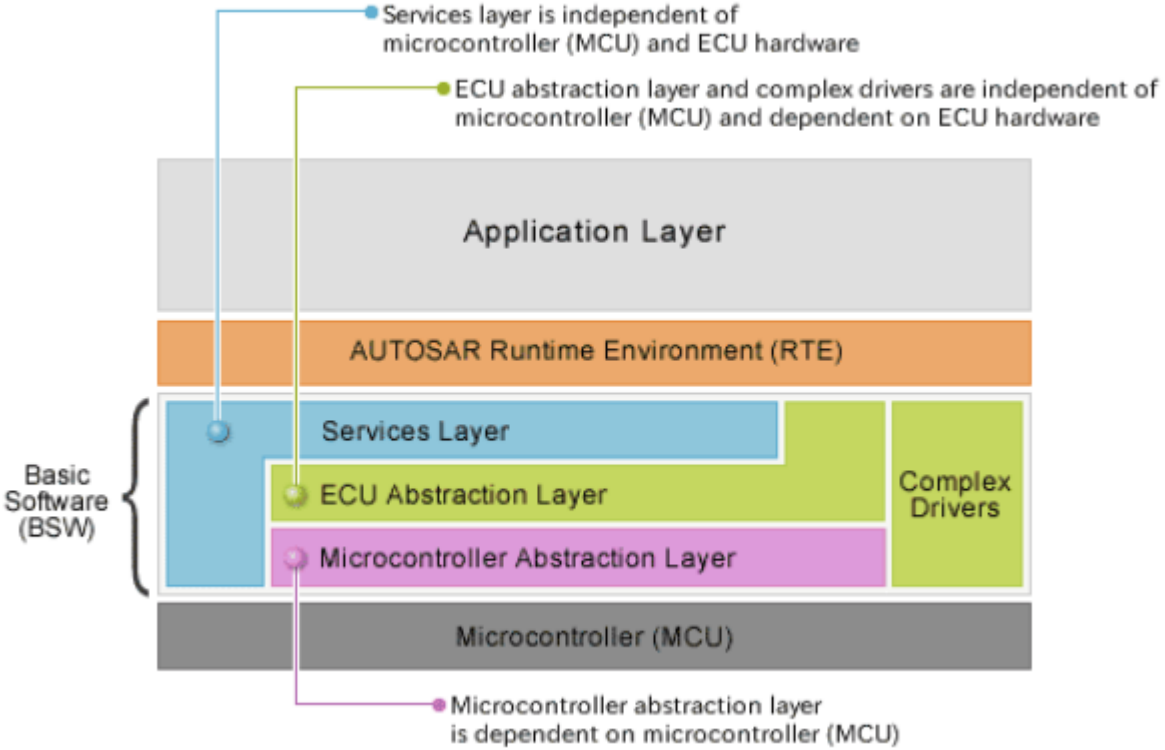



https://www.renesas.com/us/en/application/automotive/common-automotive-technologies/autosar/autosar-layered-architecture

# Overview

AUTOSAR_TPS_ManifestSpecification
https://www.autosar.org/fileadmin/user_upload/standards/adaptive/19-11/AUTOSAR_TPS_ManifestSpecification.pdf


- 1 Introduction
- 2 Big Picture of Manifest Definition
- 3 Application Design
- 4 Diagnostic Design
- 5 System Design
- 6 Sub-System Design
- 7 Machine Manifest
- 8 Execution Manifest
- 9 Platform Module Development
- 10 Service Instance Manifest
- 11 Signal-based communication
- 12 REST
- 13 Software Distribution
- A Examples
- B Custom Model Extension
- C General Modeling
- D Mentioned Class Tables
- E History of Constraints and Specification Items
- F Splitable Elements in the Scope of this Document
- G Variation Points in the Scope of this Document
- H Used classes in Manifest files


AUTOSAR

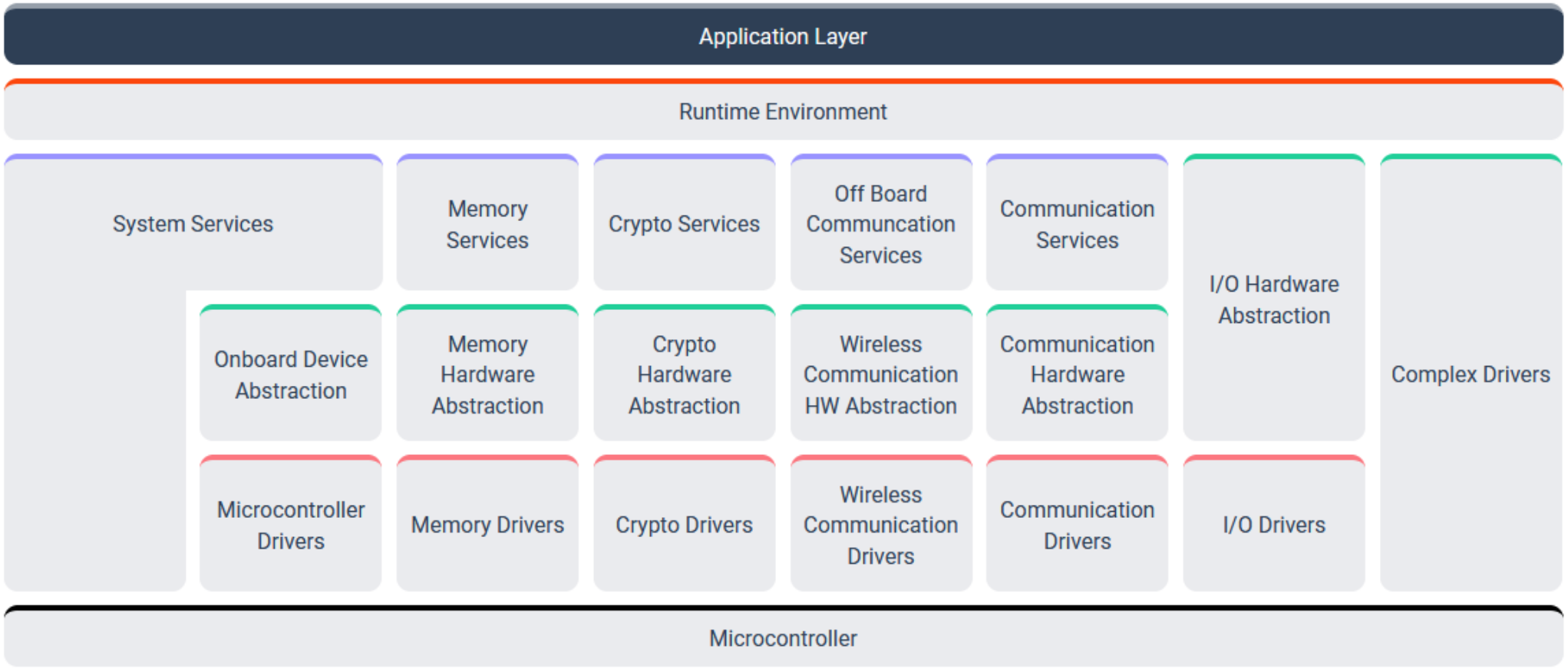
Specification of Manifest
AUTOSAR AP R19-11

| Document Title | Specification of Manifest |
|---|---|
| Document Owner | AUTOSAR |
| Document Responsibility | AUTOSAR |
| Document Identification No | 713 |

| | |
|---|---|
| Document Status | published |
| Part of AUTOSAR Standard | Adaptive Platform |
| Part of Standard Release | R19-11 |

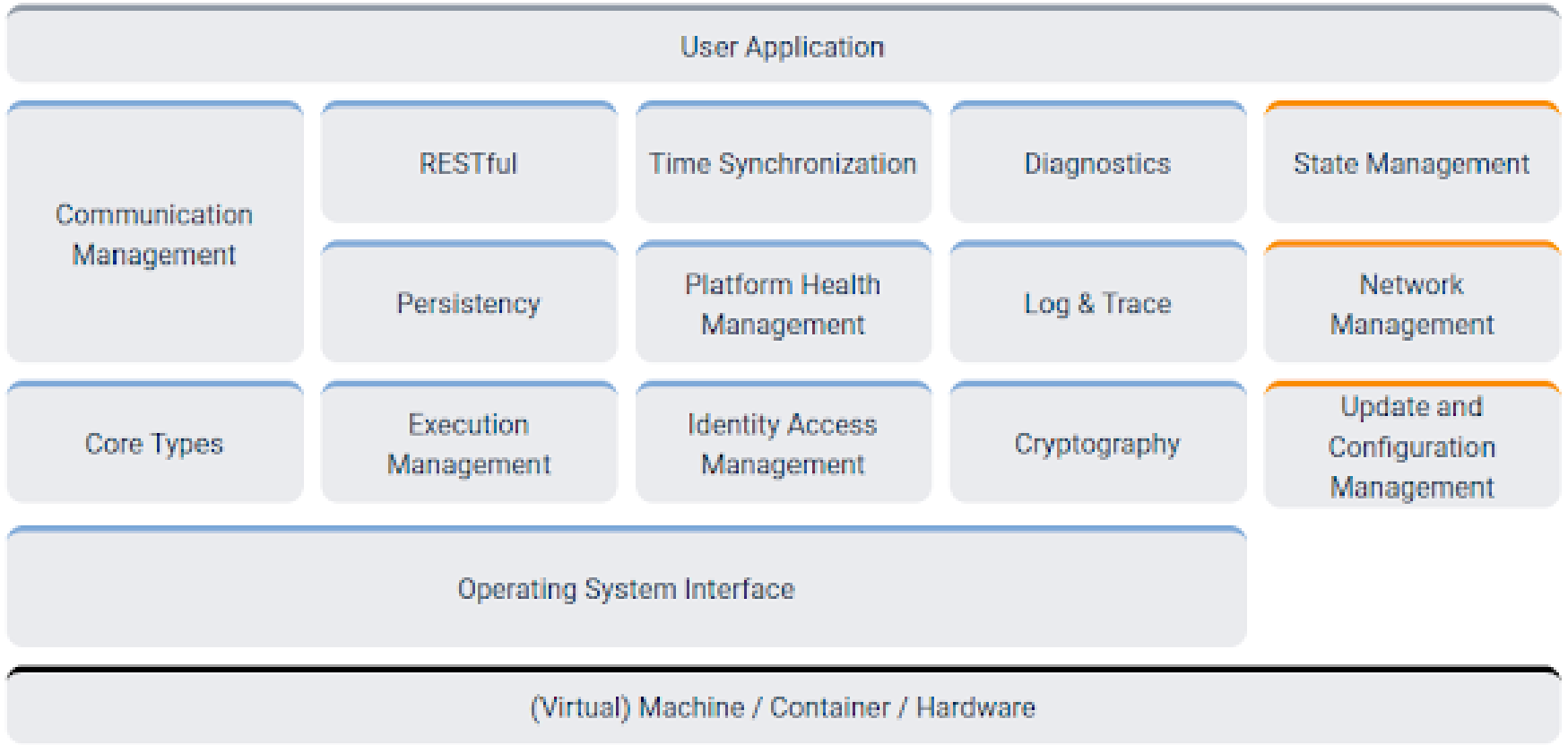
| Document Change History | | | |
|---|---|---|---|
| Date | Release | Changed by | Description |
| | | AUTOSAR | • Overhaul of Signal-to-Service Translation<br>• Support for Raw Data Streams |

# 1. Classic Platform




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

## 2. Adaptive Platform




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

# 3. Basic software

AUTOSAR XML files

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

## 5. Diagnostic over Internet Protocol (DoIP)

https://www.autosar.org/fileadmin/user_upload/standards/classic/4-3/AUTOSAR_SWS_DiagnosticOverIP.pdf

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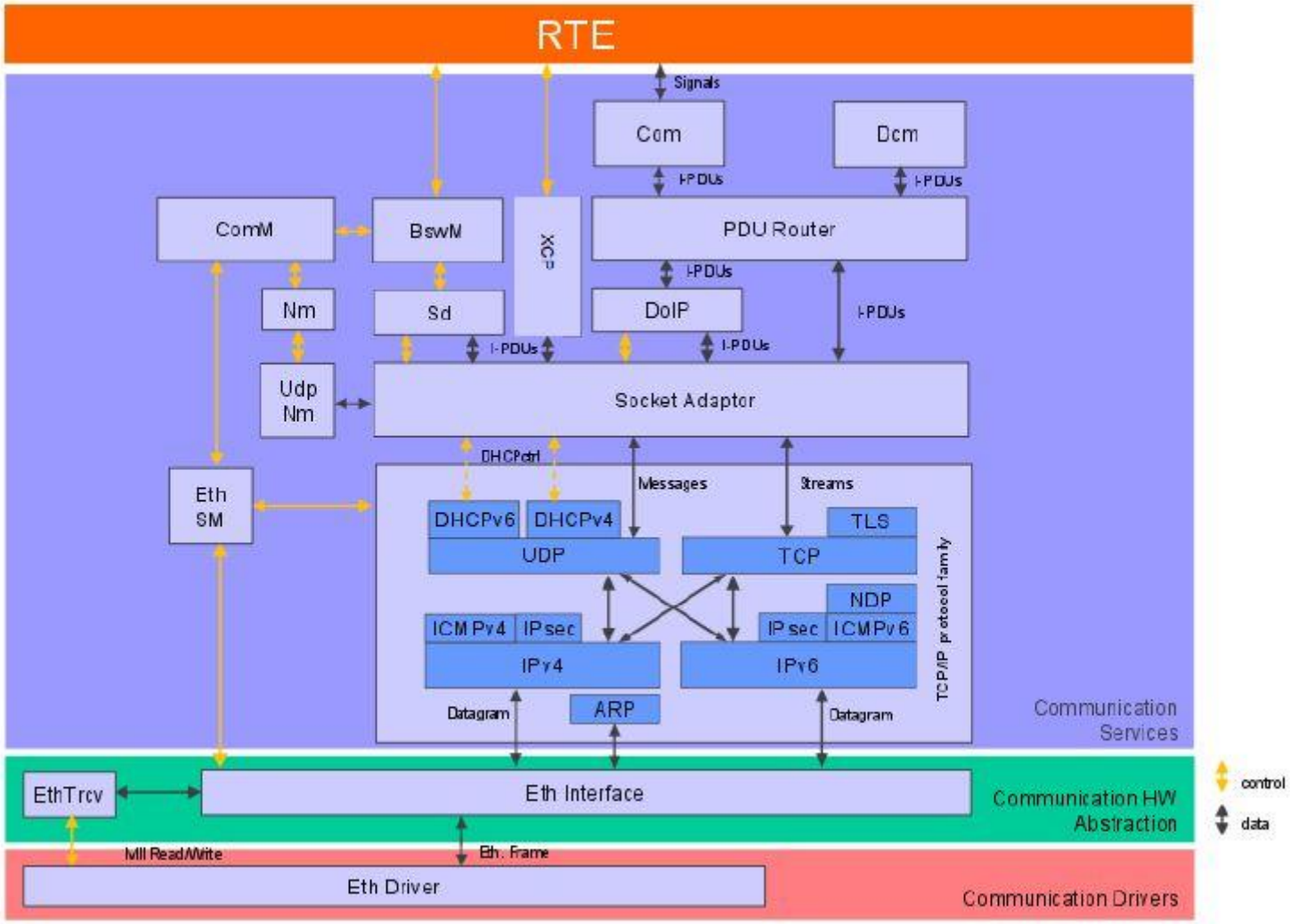
https://www.autosar.org/fileadmin/user_upload/standards/classic/4-3/AUTOSAR_TPS_DiagnosticExtractTemplate.pdf

# 5. Diagnostic over Internet Protocol (DoIP)



## 5. DoIP- PDU Router

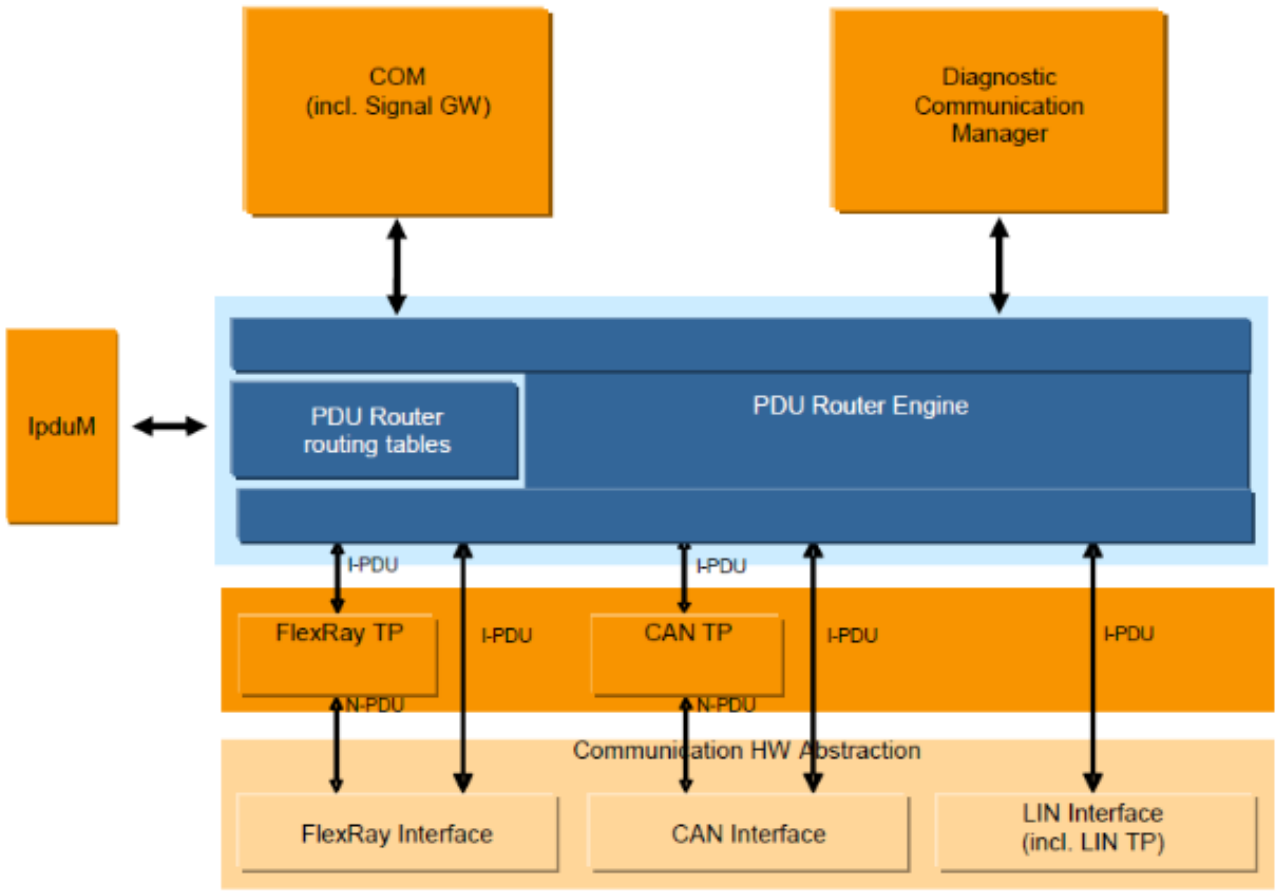



**Figure 1.2: Detailed PDU Router Structure showing FlexRAy, CAN and LIN**

https://www.autosar.org/fileadmin/user_upload/standards/classic/20-11/AUTOSAR_SWS_PDURouter.pdf

# 6. Advanced driver-assistance system (ADAS)

# 7. CAN protocol