

<b>Document Title</b>	RS_Main: Complete Change Documentation 1.2.0 - 1.3.0
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<b>Part of Standard Release</b>	1.3.0

## Table of Contents

1	<a href="#">RS_Main</a>	3
1.1	<a href="#">Specification Item RS_Main_00491 . . . . .</a>	3

# 1 RS\_Main

## 1.1 Specification Item RS\_Main\_00491

### Trace References:

RS\_PO\_00009

### Content:

### RfCs affecting this spec item between releases 1.2.0 and 1.3.0:

- RfC #76969: [Umbrella RfC]Tracing between PRS and SWS

#### Problem description:

A draft analysis of the current status regarding Log and Trace revealed some open issues.

1. The PRS (as a FO document) traces to CP SRS requirements, which is illegal.
2. The CP-SRS traces to RS-Features which is under discussion. The linked features trace to XCP and Diagnostic tester functionality. Both have nothing to do with LT.

This issue was also filed as <https://jira.autosar.org/browse/AP-1653>

I'm not sure how to present it to Bugzilla without actually making 3 RfCs out of it. At least the impact is incomplete. One idea could be to use this RfC as an umbrella for the various changes.

#### Agreed solution:

1. CP-SRS and AP-RS should be merged into a new and consistent FO-RS
2. PRS shall trace to new FO-RS
3. FO-RS shall trace to a new FO-RS-Main-Requirement that avoids any relation to diagnostic (or even XCP)
4. AP-SWS and CP-SWS shall trace to FO-RS

#### SWS Service Discovery:

##### 3.1 Input documents

AUTOSAR\_SRS\_Ethernet.pdf

=> Add: AUTOSAR\_PRS\_SOMEIPServiceDiscoveryProtocol.pdf

=> Add: AUTOSAR\_RS\_SOMEIPServiceDiscoveryProtocol.pdf

=> Remove: AUTOSAR\_SRS\_Ethernet.pdf

6 Requirements traceability

=> Currently no requirements tracing at all, since only one Ethernet Requirement exists

SWS SOME/IP TransportProtocol

3.1 Input documents

already available: AUTOSAR\_RS\_SOMEIPProtocol.pdf

already available: AUTOSAR\_PRS\_SOMEIPProtocol.pdf

SWS Diagnostic Log and Trace

3.1 Input documents

=> Add: RS\_L& T

already available: PRS\_DLTProtocol.pdf

6 Requirements traceability

remove PRS\_Dlt\_00635 / SWS\_Dlt\_00643

SWS\_SOMEIPTransformer

3.1 Input documents

=> Add: AUTOSAR\_PRS\_SOMEIPProtocol.pdf

=> Add: AUTOSAR\_RS\_SOMEIPProtocol.pdf

RS Main:

Add the following requirement after 4.1.24

Chapter 4.1.25 [RS\_Main\_00491] AUTOSAR shall provide means for logging

Type: Valid

Description: AUTOSAR shall provide a unified way to monitor, distribute or store application-internal information at runtime. This shall be possible without knowing anything about the ECU internal memory usage/addressing.

Rationale: For development purpose additional meta information about the current status or current variable values of an application might be needed.

Use Case: Provide current values of application-internal variables, provide information of the current state of an applications state machine.

Applies to: AP, CP

Dependencies: –

Supporting Material: –

( RS\_PO\_00009)

–Last change on issue 76969 comment 14–

**BW-C-Level:**

Application	Specification	Bus
1	1	1