



## Release Information

### CODESYS Safety SIL2

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# 1 General

This document contains information on a product version which was released in compliance with our quality guidelines.

## 1.1 Certificate

Component	URL	License Holder
Z10 082247 0005 Rev. 01	<a href="https://www.tuvsud.com/ps-zert?q=CODESYS">https://www.tuvsud.com/ps-zert?q=CODESYS</a>	CODESYS GmbH

## 1.2 Safety Norms

Norm	Name
IEC 61508-1:2010 (SIL 2)	Functional safety of electrical/electronic/programmable electronic safety-related systems Part 1: General requirements
IEC 61508-3:2010 (SIL 2)	Functional safety of electrical/electronic/programmable electronic safety-related systems Part 3: Software requirements
IEC 62061:2021 (SIL 2) IEC 62061:2021/AMD1:2024 EN IEC 62061:2021/AMD1:2024	Safety of machinery – Functional Safety of safety-related control systems
EN 50716:2023	Railway applications -- Communication, signalling and processing systems -- Software for railway control and protection systems

## 1.3 Licence holder

The license holder confirms with his signature, that the product was changed according to his desire.

## 1.4 Classification

The CODESYS Development System is suitable to be used for developing safety-related applications for safety PLCs, according to IEC 61508, up to SIL 2. The software is classified as TI-3.

The CODESYS Runtime is suitable to run safety applications, which are executing a safety function, according to IEC 61508 up to SIL 2.

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10. Juni 2026

Signiert von:  
  
E9C60A690F43486...

(Signature: License Holder)

## 2 Components and Versions

This is a list of all main components that were qualified or certified within this release. Note, that all the components were just assessed in this combination. Every deviation from this set of versions needs to be assessed by the OEM or End User.

### 2.1 CODESYS Safety SIL2

Component	Version	Identification
CODESYS Safety SIL2	3.5.22.10	SHA1: 944CFA5F36A0A06B07DBB3DE9D50B45132F5C006
CODESYS Safety SIL2 FSoE	3.5.22.10	SHA1: 1698EE5A8E92EE7C50314226BBA2B448D9DE66B1
CODESYS Safety SIL2 PLCopenSafety	3.5.22.10	SHA1: 29AFCDAAACF0ABEECE7780A7383BEBEC0B92F09C9A
SIL2PSP_RM4x	3.5.22.10	md5: b2fd48e169c94c1a2672d5e6b6298645 CODESYS Control Safety SIL2 RM48L952.devdesc.xml  md5: 8f217f0dfc38efb157091b13832c1118 RTSSIL2PSP_RM4x.aux  md5: e929ca43e226a87ae2f269ce24b70193 SIL2PSP_RM4x.obj  md5: 46b572b6f1321007e78825cc9a2b64d6 SIL2PSP_RM4x.release.sym  md5: a5f8ec1b0eaedb482e7b2b49dc2fb88e SIL2PSP_RM4x_ModuleTest.obj  md5: b383ac5cdf19fa8182e0a7f76ad71ad0 SIL2_MCUST_RM48L952.lib
SIL2PSP_TMS570LS31x	3.5.22.10	md5: bb76df9a57f6fc0e3f10ab16f25a4e9f CODESYS Control Safety SIL2 TMS570LS3.devdesc.xml  md5: 7a273b220a6168230e393d85ef980ef7 RTSSIL2PSP_TMS570LS31x.aux  md5: 8e2c6785b7c1723b67501e5913eb49bf SIL2PSP_TMS570LS31x.obj  md5: 9ff62df12e0f6a51eaadc4b9c42150b7 SIL2PSP_TMS570LS31x.release.sym  md5: d1d9a3b1a04e8fc90feda0b3503684d5 SIL2PSP_TMS570LS31x_ModuleTest.obj  md5: 5272d3d6d105fbf2235443dc34e804c3 SIL2_MCUST_TMS570LS3137.lib
SIL2PSP_TC29x	3.5.22.10	md5: 16422da8638e5c1c8c9e8c7b486d2bda CODESYS Control Safety SIL2 TriCore AURIX.devdesc.xml  md5: ff7515e2a8ac434442e89965d08d0d78 SIL2PSP_TC29x.obj  md5: def5446aee83f5b5591989b4a327bd6e SIL2PSP_TC29x_moduleTest.obj  md5: f7d4a7b3617fea73ab7def69d534a613 SIL2_MCUST_AURIX_Lib.a  md5: e9a3dbd4bb6c58f3ec1e7ce79b643e9e libSIL2PSP_ModuleTests_Lib_TC299.a

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SIL2PSP_TC39x	3.5.22.10	md5: e9494f00b3bf8371281f0ff50fbcf82b CODESYS Control Safety SIL2 TriCore AURIX TC39x.devdesc.xml  md5: 700b069772700e841c8c27c9c67150dc SIL2PSP_TC39x.obj  md5: 92d628b60df71bb2b6af994633a8efa9 SIL2PSP_TC39x_moduletest.obj  md5: 683d194565a3e4ba1cebe9653fb52fb3 libSIL2PSP_Moduletests_Lib_TC39x.a
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## 2.2 Configuration

There is a full list of all components in the following module export file from CODESYS with all modules and their versions which were included in the release: "[VersionInfo.txt](#)".

Component	Version
CODESYS Runtime	3.5.22.10
CODESYS 64bit	3.5.22.10
LMM	3.5.22.10
Device Object	3.5.22.10
CODESYS Code Generator ARM	4.0.3.0
CODESYS Code Generator Cortex M3	4.0.2.0
CODESYS Code Generator TriCore	4.0.1.0
CODESYS Code Generator x86	3.5.22.10
CODESYS Embedded Runtime Extension	4.1.0.0
CODESYS SAE J1939	4.2.0.0
CODESYS CANopen	4.3.0.0
CODESYS Test Manager	5.1.0.0
Network List Editor	4.7.0.0
Network List Object	4.7.0.0
TI CodeComposer CGT	V5.1.5
TASKING VX-toolset for TriCore	V6.3 r1 p10

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### 3 Documentation and usage context

#### 3.1 Documentation

At the time of release there are the manuals listed below, which cover the safety and the usage aspect and are part of the CODESYS Safety SIL2 delivery.

Manual	Version
H1 - CODESYS Safety SIL2 - OEM Integration Manual.pdf	V18.0
H2 - CODESYS Safety SIL2 - IEC Programming Guidelines.pdf	V14.0
H4 - CODESYS Safety SIL2 PSP - OEM Integration Manual.pdf	V15.0

#### 3.2 Integrity

To check the integrity of the software, the documentation in the “safety manual”, referenced above needs to be followed.

#### 3.3 Handling of errors

Errors can be reported through one of the [CODESYS support channels](#).

In case of an error during any phase of the product life-cycle, the error has to be reported to CODESYS. Safety related errors are reported to all customers who ordered the product.

## 4 Known Restrictions

The following restrictions apply to the use of the current version, and need special attention. Note, that there might be other restrictions or bugs, which are in the product, but which were assessed, being not critical to the safety function of the product. It is the responsibility of the user of the product to check, that the following open issues will have no direct influence on their intended safety functionality.

Component	Description	JIRA ID
PSP AURIX MCUST	The MCUST for CODESYS SafetySIL2 PSP AURIX is not part of this release.	SIL2-368

## Change History

Description	Author	Date
Created	MH	04.05.2026
Reviewed	HR	05.05.2026
Released	HR	05.05.2026