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1 Introduction

AUTOSAR conformance testing Path D enables a product supplier to declare its products as conforming to AUTOSAR. Essentially, Path D requires each AUTOSAR licensee to ensure AUTOSAR conformance of its products by itself – no separate attestation by a CTA is mandatory.

The product supplier is able to prove the conformance of its products according to Path A, B, C (see [1]) or D.

2 Related Documentation

2.1 Input documents

[1] Conformance Test Process Definition Path A-C
AUTOSAR_PD_CTProcessDefinitionPathAToC.pdf

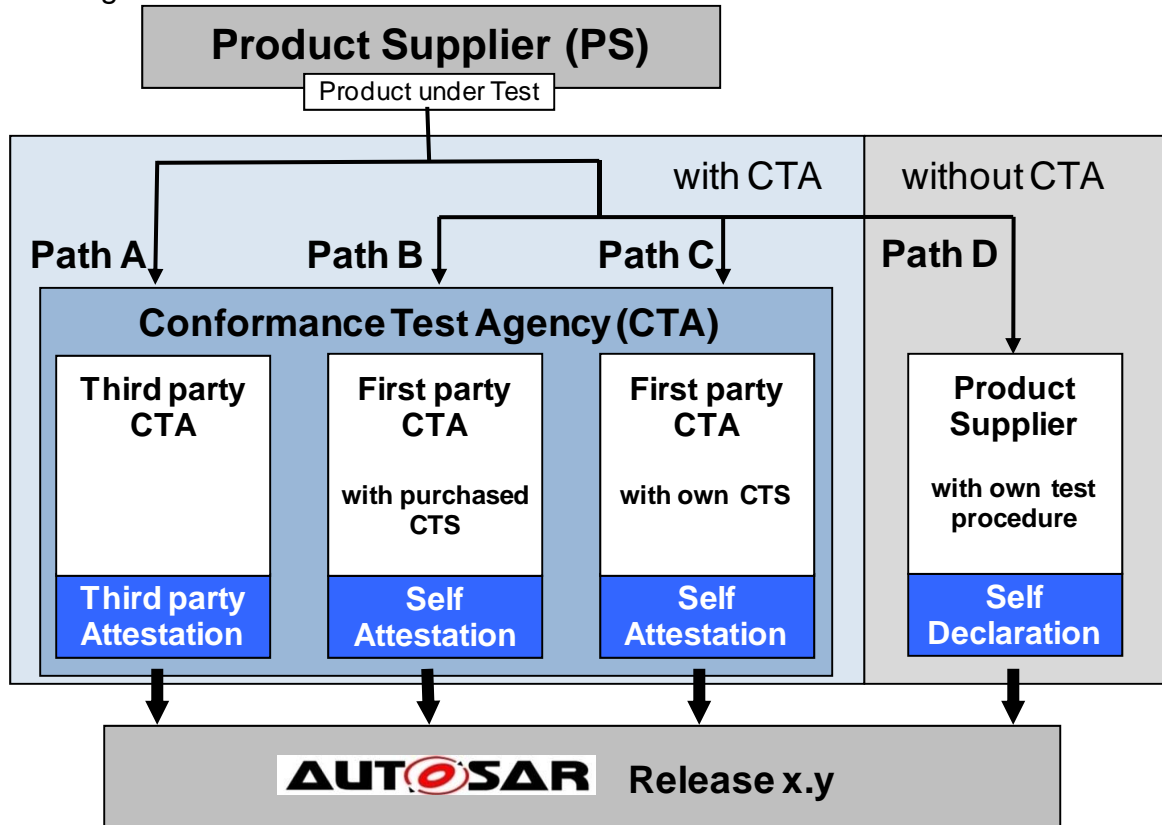
2.2 Related standards and norms

[2] ISO 17050-1:2004 Conformity assessment - Supplier's declaration of conformity

3 Overview and applicability of path D

Path D is intended to be used by any AUTOSAR licensee to develop and market products which fulfil released AUTOSAR specifications.

The conformance attestation paths and the conformance declaration path are shown in the figure below.



Note: x.y denotes the relevant AUTOSAR release, e.g. "AUTOSAR Release 4.0"

Figure 3-1: Conformance attestation paths and Conformance declaration path overview

4 Path D Procedure

4.1 Path D Roles and Responsibilities

The actors involved in the path D procedure are the following (see Figure 4-1):

- **AUTOSAR** (sub-roles with Change Management Process bodies as they can be involved for feedback)
- **Product Suppliers (PS)**

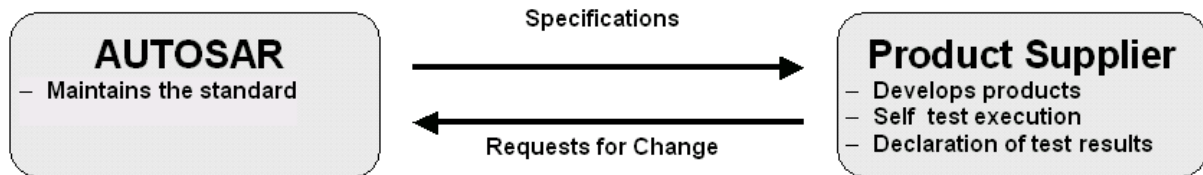


Figure 4-1: Relationship between AUTOSAR and PS, path D

The following table gives the roles and associated responsibilities for each of the CT process steps and activities of path D:

<i>Id.</i>	<i>Role</i>	<i>CT process activity</i>	<i>Responsibility</i>
1	AUTOSAR	Specifications	Own and lay down the AUTOSAR specifications
2	PS	Test execution	Run tests under its own quality control
3		Self declaration conformance	Analyze test results, decide about conformance self declaration

Table 4-1: Path D roles and associated responsibilities

4.2 Path D process overview

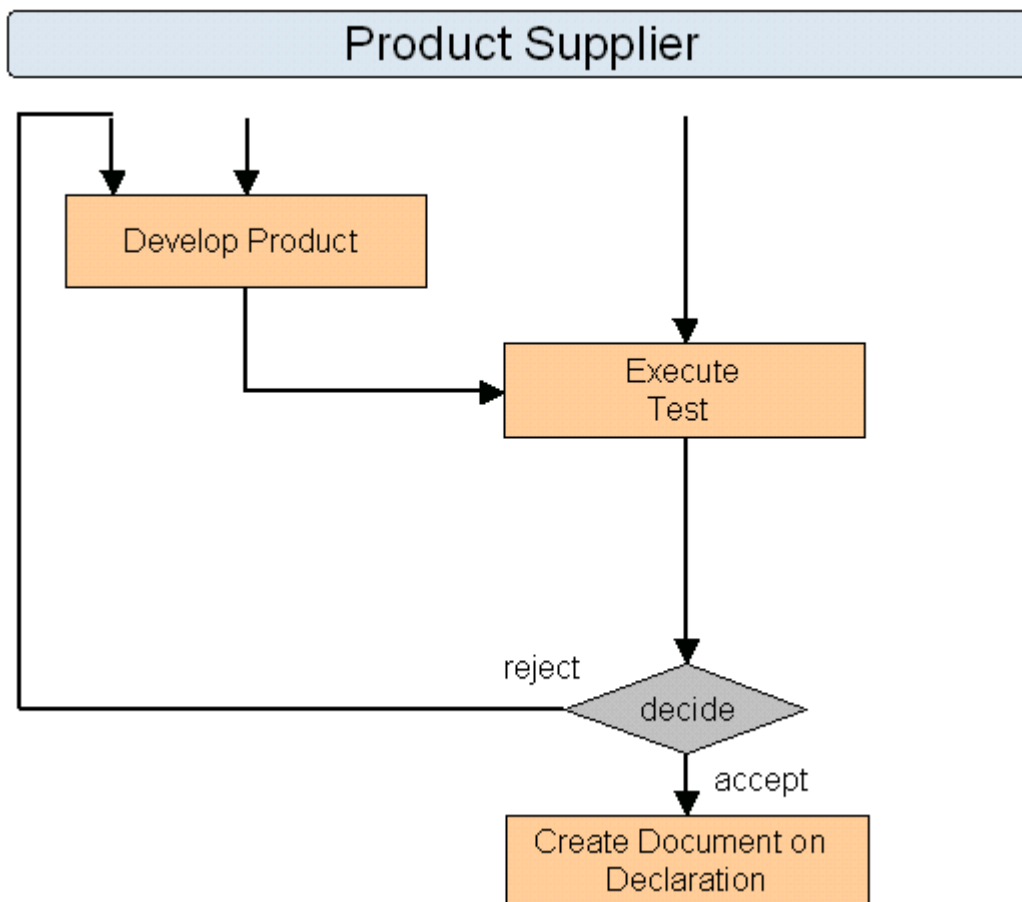


Figure 4-2: Path D process overview

4.2.1 Self declaration of conformance

The PS who wants to implement and market a product has to ensure by itself that such a product fulfils the released AUTOSAR specifications. The PS can decide who will execute the test and how the product will be tested. A template shall be used for the self declaration (see Annex B).

4.3 Conformance Self Declaration Validity

The conformance self declaration is regarded valid, independent of:

- Adaptations of the product for further hardware platforms,
- Changes in used tooling, e.g. compiler, linker, etc.
- Changes in configuration
- Minor updates of product:

- Changing the product referring to the same release of the AUTOSAR specification.

Each self declaration of a product is valid worldwide and permanent.

Annex A Acronyms and Abbreviations

Conformance Test Systems

A Conformance Test Systems consist of the conformance test specifications, the Conformance Test Suite as well as an available and running conformance test process (see [1]), and one or several Conformance Test Agencies, which need to be in place. Conformance Test Agencies (CTAs) have to prove their capability to perform conformance tests by a self assessment.

CTA Conformance Test Agency
PS Product Supplier

Annex B Conformance self declaration template

Product Developer			
Name of Company (issuer of declaration)	(Name of company)	Responsible Engineer	(Name of responsible individual inside company)
Address of Company (issuer of declaration)	(Address of company)	Department	(Name of department)
		Date of declaration: (yyyy/MM/dd):	
Product under test			
Name of product under test	(Name of product)		
Product version number	(Identification of product with version number)		
Date of test report (yyyy/MM/dd):			
AUTOSAR			
AUTOSAR module/module cluster name	(AUTOSAR technical area / specific module / specific module cluster)		
AUTOSAR module/module cluster version name	(AUTOSAR version number (X. Y. Z))		
AUTOSAR release number	(AUTOSAR release number (x. y))		
<i>The product described above is conform to the AUTOSAR specifications.</i>			
Responsible's signature			