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1 Introduction

In case a product is developed and marketed, which fulfils a specific release of the AUTOSAR specifications whilst the corresponding conformance test system ¹ is incomplete at that point of time, then conformance testing according to path A, B and C (see [1]) is not possible.

Under such conditions, an additional path has been defined to allow any AUTOSAR licensee to develop and market products which fulfil released versions of AUTOSAR specifications. This path is referred to as Path D.

Essentially, Path D requires each AUTOSAR licensee to ensure AUTOSAR conformance of its products by itself. Under the defined conditions, no separate attestation by a CTA is mandatory.

¹ Conformance test system consist of the conformance test specifications, the conformance test suite (CTS), as well as an available and running Conformance Test Process and one or several CTA(s) which need to be accredited and in place.

2 Related Documentation

2.1 Input documents

- [1] Conformance Test Process Definition Path A-C
https://svn2.autosar.org/repos2/22_Releases/AUTOSAR_DS_CT_Path_A-C.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 due to the fact that the conformance test system corresponding to that specific AUTOSAR Release is not available.

A conformance declaration for a product marketed, which fulfils a specific AUTOSAR Release (e.g Release 2.1) continues to remain applicable, even if a new AUTOSAR release (e.g. Release 2.2) is available for which the conformance test system exists (see Figure 3-1, Path D).

However, if the product is upgraded with respect to a new major AUTOSAR release (e.g. Release 3.0) with the conformance test system in place, then it shall undergo the process according to Path A, B or C.

Path D is not applicable in case a product is developed and marketed, which fulfils an AUTOSAR Release for which the corresponding conformance test system is available at development time.

The figure below shows the applicability of the Path D

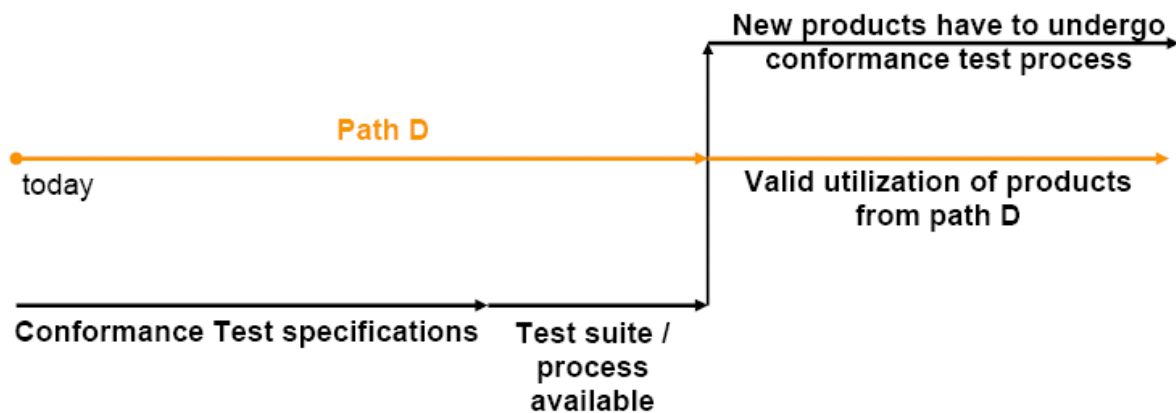
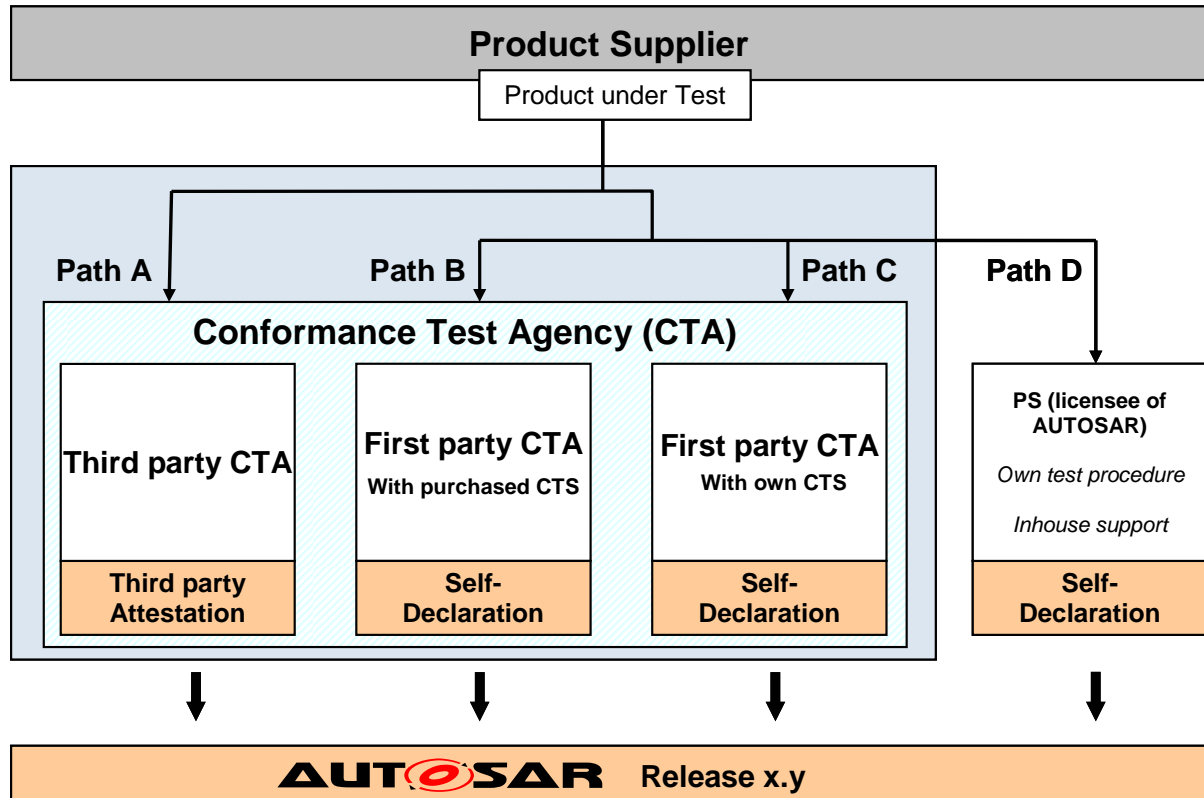


Figure 3-1: Applicability of path D

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



Note: x.y denotes the relevant AUTOSAR release, e.g. " **AUTOSAR** Release 2.1"

Figure 3-2: Conformance attestation/declaration paths 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)**

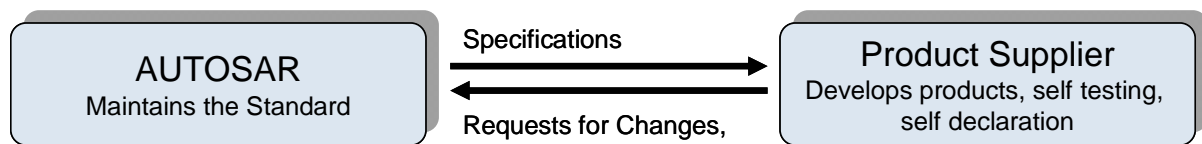


Figure 4-1: Relationship between AUTOSAR and PS, path D

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		Test execution	Run tests under its own quality control
3		Conformance declaration	Analyze test results, decide about self conformance declaration

Table 4-1: Path D roles and associated responsibilities

4.2 Path D process overview

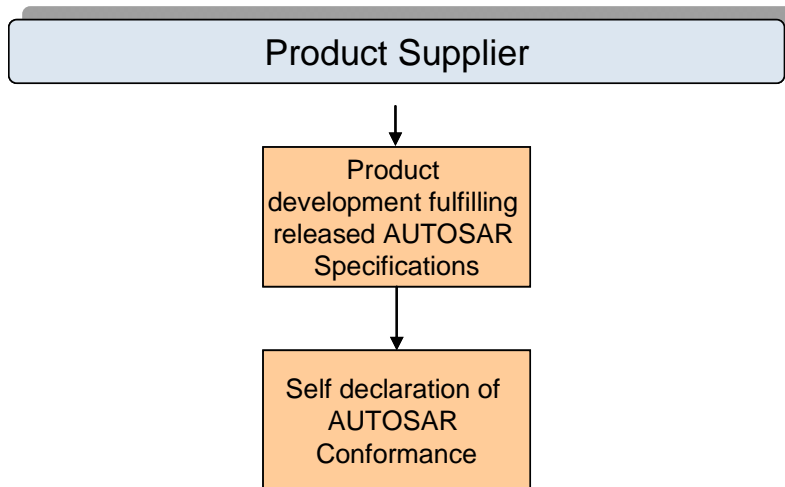


Figure 4-2: Path D process overview

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 declaration (see Annex B).

Annex A Acronyms and Abbreviations

Conformance Test Systems

Conformance Test Systems consist of the conformance test specifications, the conformance test suite (CTS), the conformance test process definition (see[1]) and one or several CTA(s) which need to be accredited and in place

CTA Conformance Test Agency
PS Product Supplier

Annex B Conformance declaration template

Product Developer			
Name of Company (issuer of attestation)	(Name of company)	Responsible Engineer	(Name of responsible individual inside company)
Adress of Company (issuer of attestation)	(Adress 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	(product version number)		
Date of test report (yyyy/MM/dd):			
AUTOSAR			
AUTOSAR module/module cluster name	(AUTOSAR technical area / specific module)		
AUTOSAR module/module cluster version name	(Name of AUTOSAR version number (X.Y.Z))		
AUTOSAR release number	(Name of AUTOSAR release number(X.Y))		
The product described above is conform to the AUTOSAR specifications.			
Responsible's signature			