VALIDATION AND TEST

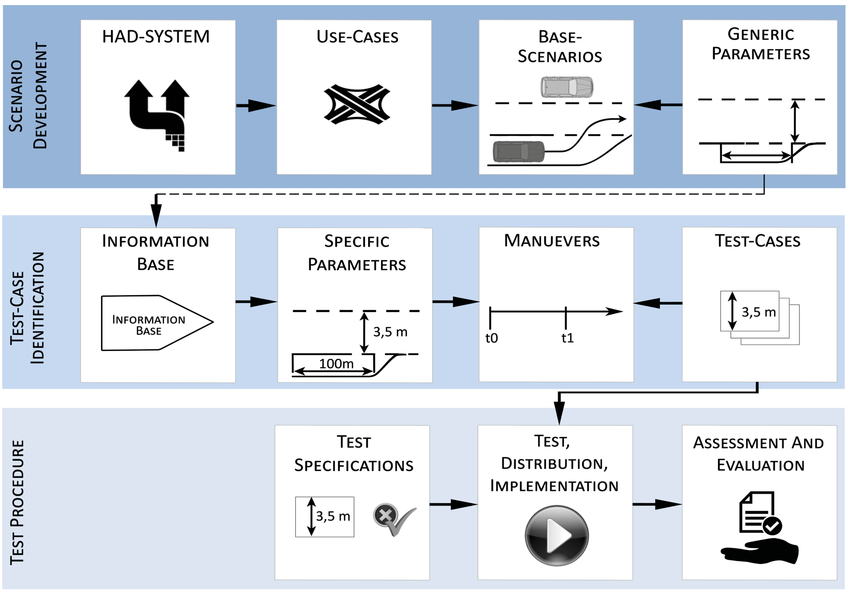
Ko-HAF
KOOPERATIVES HOCHAUTOMATISIERTES FAHREN

Methodology for the Testing of Automated Driving Systems

AIM

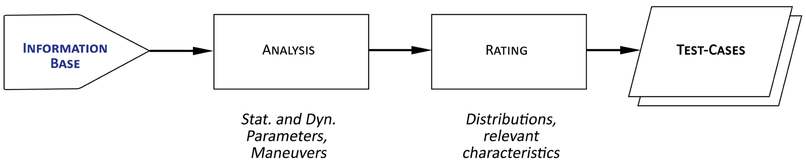
- Development of efficient **Methodologies and Procedures for the Testing** of new and highly automated driving Systems for a functional validation.
- Composition of a **generic Scenario Catalog** as a basis for the **deduction and description of Test-Cases** for an efficient scenario-based test execution process.

OVERALL METHODOLOGY



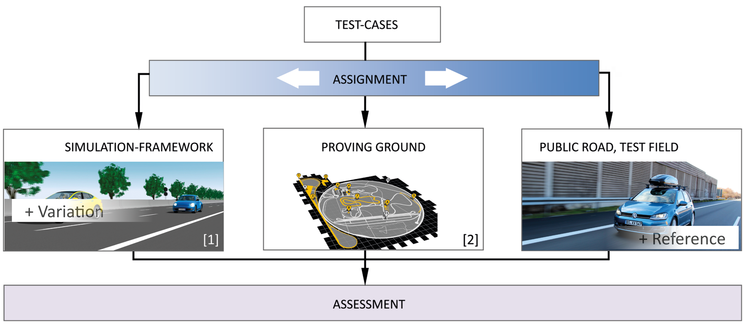
IDENTIFICATION OF TEST-CASES

- For a validation of the HAD-systems in **representative environments**, the process of Test-Case identification primary consists of an **information base analysis** and the **rating of the characteristic parameters**.



TEST PROCEDURE AND REQUIREMENTS

- In order to test the comprehensive systems **efficiently,** the methodology combines the **simulation**, a **proving ground** and the **public road as a test field**.
- Therefore, Test-cases are **assigned to these environments** by its different characteristics. After the test runs, results are **assessed environment independently.**



[1] Source: online, livestream of IPG Automotive, access 09.07.2018
[2] Opel Test Center Dudenhofen, Source: online, Opelpost.com, access 09.07.2018

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