



S C A R T
SAFE · AUTOMATED · TRAFFIC

From Testing To Real-World Impact



Safe · Automated · Traffic



www.eu-scart.org



What is SCART

Safety of Connected and Automated Road Traffic

SCART is a pan-European, non-competitive, network-based platform that unites organisations from across the automated driving ecosystem. Our members share a common mission to ensure that automated road traffic is safe, legitimate, and accepted by the society. SCART pools expertise, data, and simulation infrastructure to define and continuously advance the state of the art in safety validation — working collectively toward harmonized European approval standards while retaining independence and competitive identity of each organisation.

Value Proposition

Technical Services

- Legal certainty through standardised validation methods and testing criteria
- Access to simulation models & testing methods

OEMs/ Manufacturers

- Reduction of validation costs and efforts for type approval
- Lowering the product liability risks

Approval Authorities

- To enable technologically grounded risk-benefit assessments of ADS validation
- Creation of uniform EU approval standards

Research Institutes

- Large international & industrial research network
- Powerful platform for high-impact publications relevant for ADS validation

Technology Service Developers

- Opportunity to develop services & solutions for ADS validation
- Influencing the standard methodology for testing and validation of ADS

Standardisation Bodies

- Provides front-row seats into the ADS validation methodology
- Offers diverse perspectives for developing internationally relevant Standards

Insurance Companies

- Knowledge of risk structures in automated driving
- Basis for calculating competitive insurance products



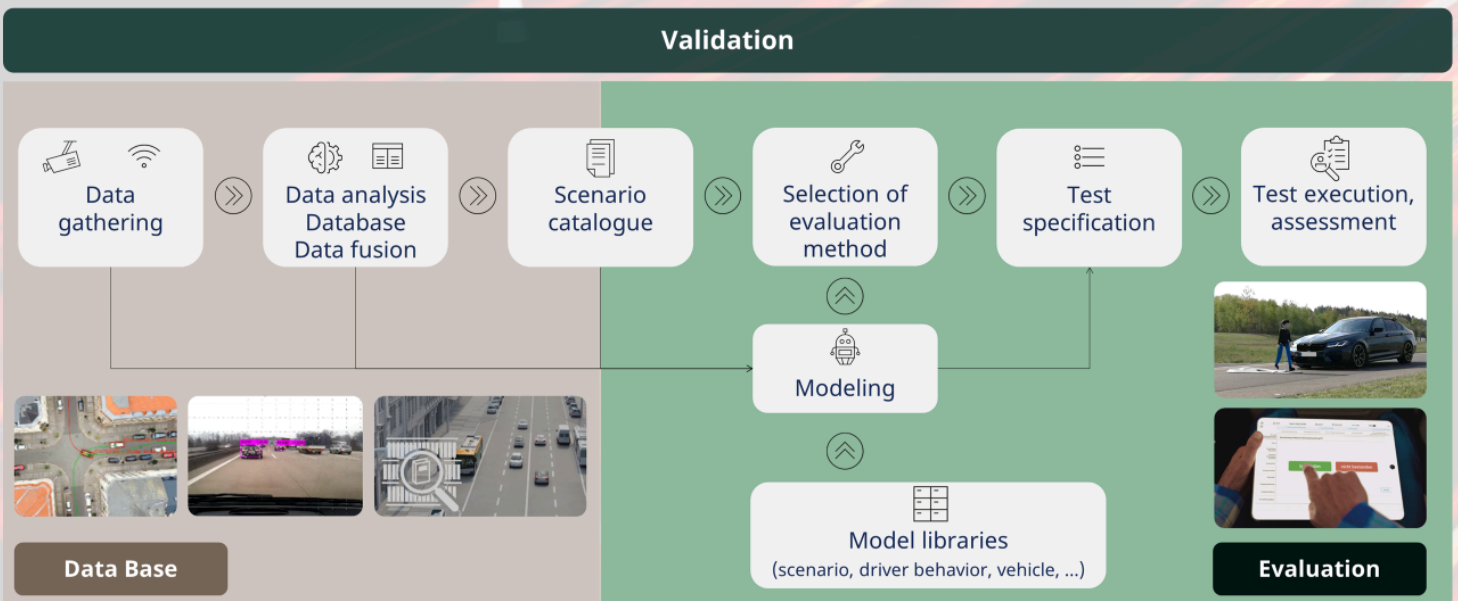


The SCART Method

Safety of Connected and Automated Road Traffic

The methods are continuously updated and periodically released by the SCART members. The scientific integrity of the methods are maintained by regular joint reviews. Results from prior (EU) projects are systematically incorporated into the SCART methodology.

SCART Methodology



SCART Deliverables

Test Scenario Catalogue

01

Determining relevant test cases for the testing and validation of ADS

Pass/Fail Criteria

02

Defining the minimum performance requirement for testing simulations

Simulation Credibility Criteria

03

Standardising the simulation environment to ensure the validity of test results

Coverage & Representativeness

04

Assessing the completeness of test cases and the credibility of their distribution





SCART Overview

Safety of Connected and Automated Road Traffic

The SCART overview, encompassing the comprehensive technical foundations of scenario-based type approval processes in Europe and the current status of the SCART initiative, is accessible via the QR code provided below.





Join SCART

Safety of Connected and Automated Road Traffic

SCART is a non-competitive platform — members collaborate for a common goal without sharing commercially sensitive information. Your organization gains influence and access while your competitive position remains fully protected.

Why Join SCART

Influence Standards

01

Actively shape European and international ADS validation standards

Reduce Costs & Risk

02

Standardised validation processes reduce validation cost and product liability risk

Diverse Resources

03

Access to methods, models, know-hows, test infrastructures, etc. across Europe

Research & Innovation

04

Connect with an broad network of industrial and research partners

How to Join SCART

1

Explore Membership Categories

2

Initial Contact & Expression of Interest

3

Review Membership Terms & Data Governance

4

Onboard & Contribute





About SCART

Safety of Connected and Automated Road Traffic

Who We Are

SCART unites organisations with distinctive and decisive roles across the automated driving ecosystem. The stakeholders are from Technical Services, Manufacturers, Approval Authorities, Research Institutions, Tool Developers, Insurance Companies and Standardisation Bodies. Each member group contributes uniquely to the product life cycle from research to regulation, as well as from development to deployment.

Contact Us



Günther Prokop

Professor of Automotive Engineering at TU Dresden, Co-Chair Technical Leadership Committee IAMTS



Klaus Kompaß

Former Head of Vehicle Safety at BMW



Alexander Kraus

Managing Director AVL Deutschland GmbH, Board Member IEEE, Board Member SAE International



Henning Stricker

Managing Director TÜV Thüringen Anlagentechnik GmbH & Co. KG



Armin Gräter

Former Chairman of CCAM Association and Former Director of Digitalisation and Automated Driving at BMW



Abayomi Otubushin

Former Senior Manager of Government and External Affairs at BMW



Rajagopalan Kannan

Research Associate at the Chair of Automotive Engineering TU Dresden

Do you have any questions about SCART or need more information?
Then write to us – we will be happy to get in touch with you.
guenther.prokop@tu-dresden.de

