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HEADSTART PARTNERS

Applus⁺
IDIADA



vicomtech

PildoLabs
move smart

SAFER
VEHICLE AND TRAFFIC SAFETY CENTRE AT CHALMERS

TOYOTA

Valeo

virtual vehicle

IVECO

ika | RWTH AACHEN
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ERTICO

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VEDECOM
DU VEHICULE DECARBONE ET
COMMUNICANT ET DE SA MOBILITE

RDW

TNO

FCA
FIAT CHRYSLER AUTOMOBILES



bast

4D
active
SYSTEMS



Harmonised European Solutions for
Testing Automated Road Transport



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 824309.

AT A GLANCE

Call identifier: ART-01-2018

Type: RIA

Duration:
January 2019 - December 2021

EU funding: 6M€

Consortium: 17 partners

Coordinator:
Mr. Álvaro Arrúe,
Project Manager, Applus+ IDIADA

Dissemination Manager:
Dr. Angelos Amditis,
Research Director, ICCS



THE PROJECT

The HEADSTART (Harmonised European Solutions for Testing Automated Road Transport) project is an EU funded project which started on the 1st of January 2019 and will last for 3 years. The project which consists of 17 partners, under the coordination of IDIADA, aims to define testing and validation procedures of Connected and Automated Driving functions including key enabling technologies such as communications, cyber-security and positioning. HEADSTART will consider both simulation and physical tests in order to validate CAD functions according to key user's needs.

The HEADSTART project will bring together the consortium with other European and national CAD stakeholders to cluster the most relevant existing initiatives, develop methodologies, procedures and tools and drive in a harmonized European solution for testing and validation of automated road vehicles. Within the lifetime of the project, relevant stakeholders will be able to join the experts' network so as to configure together the methodologies used and also disseminate the project results.

OBJECTIVES

- Identify the existing methodologies, procedures and tools for testing, validation and certification;
- Harmonise the existing testing and validation approaches;
- Define and develop test, validation and certification methodology and procedures for CAD functions;
- Demonstrate the developed methodology, procedures and tools through testing CAD use cases;
- Reach consensus by creating and managing an experts' network of CAD testing to take into account multi-stakeholder needs and promote international consensus.

5 TEST SITES

Applus + IDIADA test - site



RDW test - site



DITCM test - site



AstaZero test - site



ATC test-site



COOPERATE WITH HEADSTART

EXPERT GROUP PARTICIPATION

Join as associated partner and our expert group
Join the discussion group of your interest:

- Cyber-security;
- Communications (V2X);
- Positioning;
- Scenario selection;
- Consumer testing (NCAP);
- Type approval

Provide needs and requirements and evaluate project (intermediate) results

JOINT TESTING ACTION

Joint cooperation between both projects for testing validation and certification purposes

Align your project with the harmonized methodology and tools developed within HEADSTART

Become one of our use cases!

Please let us know about your interest and join our distribution list.



JOIN THE HEADSTART EXPERTS' NETWORK

Would you like to shape the future of autonomous vehicles and contribute to the definition and development of harmonised test, validation and certification methodologies and procedures for CAD functions? **Join the HEADSTART Expert Group!**
Reach us via an email to expert.network@headstart-project.eu

EXPECTED IMPACT

TESTING AND VALIDATION
Potentiation of development strategies bringing time and costs reduction

ASSESSMENT
Creation of assessment protocols increasing vehicle safety awareness

CERTIFICATION
Support of regulations ensuring the safe introduction of CAD technologies to the market

