

PROJECT

## **SMART 2010/0064**

### **Definition of necessary vehicle and infrastructure systems for automated driving**

**Funding:** European

**Duration:** Jan 2009 - Dec 2011

**Status:** Complete with results



#### **Background & policy context:**

SMART 64 is a project to define the necessary vehicle and infrastructure systems for automated driving. SMART 64 served as a foundation to other recent and ongoing EC automation projects.

#### **Objectives:**

To define the necessary vehicle and infrastructure systems for automated driving.

#### **Related Projects:**

iMobility Forum Automation WG

**Other funding sources:** European Commission DG Information Society and Media

#### **Partners:**

- TNO
- DLR
- University of Southampton
- Frost & Sullivan
- Tecnia

**Organisation:** TNO

**Organisation Website:** [TNO](http://www.tno.nl)

#### **Key Results:**

Main Findings:

- It is the driver that needs to understand, accept and buy it
- It is the technology that has to fulfil the safety requirements
- It is the business models that make deployment reality

Research needs include:

- Affordable accuracy and reliability
- Standardization
- Fail safe, graceful degradation
- Clarification of driver role and responsibility
- Adaptation by driver

Results led to first EC Workshop on Automation in October 2011 and to the creation of the iMobility Forum Automation WG

Documents:

 [Final report](#)

**STRIA Roadmaps:** Cooperative, connected and automated transport

**Transport mode:** Road transport

**Transport sectors:** Passenger transport, Freight transport

**Geo-spatial type:** Network corridors