

INFORMATION SOCIETY TECHNOLOGIES (IST)

PROGRAMME



AIDE IST-1-507674-IP

Final and verified DVE monitoring modules Accompanying document

Deliverable No. (use the number indicated on technical annex)		D3.3.2 (Prototype)	
SubProject No.	SP3	SubProject Title	Design and development of an adaptive integrated driver-vehicle interface
Workpackage No.	WP3	Workpackage Title	DVE monitoring modules
Activity No.	A3.3.1-3.3.7	Activity Title	DVE monitoring modules design and development
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Status (D: draft, in progress, S: Submitted to EC, F: Final accepted by EC)		S	
File Name:		AIDE D3.3.2 V1.doc	
Project start date and duration		01 March 2004, 48 Months	

Executive Summary

This short report accompanies the official delivery of the prototype Driver-Vehicle-Environment (DVE) modules to the AIDE project. The DVE modules, namely Traffic and Environment Risk Assessment (TERA) module, Driver Characteristics (DC) module, Driver Availability Estimation (DAE) module, Driver State Degradation (DSD) module and Cockpit Activity Assessment (CAA) module, have been developed and delivered for in-vehicle integration.

Each module is a prototype Software component and is based on sensors and processing units that monitor the driver, the vehicle and the environment. All modules are tested and verified under the task 3.3.7 both in lab (partners' facilities – e.g. test cars, simulators) and with the real AIDE system and sensing devices (data collection sessions from the AIDE demonstrators).

The complete description of the modules and the relevant detection algorithms are reported in details in D3.3.1 which has been submitted to EC.

The DVE modules are now being integrated in the in-vehicle H/W units of the demonstrators and are being tested with all AIDE components (sensors, ICA, etc.) under the WP3.5 of the AIDE project.