

# INFORMATION SOCIETY TECHNOLOGIES (IST)

## PROGRAMME



**AIDE**  
**IST-1-507674-IP**

### **HMI Components (Prototypes: displays, HUDs, speech I/O, sound etc) – Accompanying Report**

Deliverable No. (use the number indicated on technical annex)		<b>D3.4.2</b>	
SubProject No.	<b>SP3</b>	SubProject Title	<b>Design and development of an adaptive integrated driver-vehicle interface</b>
Workpackage No.	<b>WP3.4</b>	Workpackage Title	<b>Adaptive Interface Design and Development</b>
Activity No.	<b>A3.4.3</b>	Activity Title	<b>Development of I/O devices</b>
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## EXECUTIVE SUMMARY

This document is the accompanying report of the deliverable on human-machine interface (HMI) Components (Prototypes: displays, head-up displays, speech I/O, sounds etc). This report summarises the results of the work done in determining the HMI components, specifically the prototypes developed and tested for use as basis in deciding the final versions for installation in the AIDE vehicle demonstrators (truck, city and luxury cars).

At the outset, the approach taken was to consider the same input and output (I/O) devices for the same functions as much as possible in all prototype work and even in the demonstrators later on, and using the same principles of choosing and combining interface modalities. These reflected the integration and adaptation strategies being developed in the AIDE project as one and the same in all the prototypes and demonstrators. At the same time, each prototype and eventual demonstrator vehicle would retain its distinctiveness from the other, owing to the nature of the vehicle types themselves (i.e. city car vs. luxury car vs. truck) and the brand each vehicle carried. The results were three versions of combining HMI components based on the same integration and adaptation strategies being developed in the AIDE project.