



HAVE it

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The future of driving.

Deliverable D11.2 Specification

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Executive Summary

The deliverable D11.2 represents the second out of three HAVEit deliverables covering the result of the requirements and specification phase:

- D11.1 has been dedicated to the definition of HAVEit's highly automated vehicle applications and their requirements. The public deliverable has been submitted on September 30, 2008.
- D11.2 is describing the key specifications for all components used in the seven HAVEit demonstrators.
- D12.1 was submitted in parallel with the specification deliverable. This document covers the HAVEit architecture and describes the data to be exchanged between the different components and function blocks in detail.

The structure of D11.2 follows the definition of the component tree in deliverable D11.1. The HAVEit systems have been divided into four key layers (perception layer, command layer, execution layer and HMI layer). For each layer a series of components was defined. As the seven HAVEit demonstrators will show, the different highly automated functionalities (see D11.1 for details) both in passenger cars and trucks and components to be installed will differ from vehicle to vehicle. An assignment which component will be installed by whom in which demonstrator is presented in Table 1 of this document.

It is important to notice that despite some varying components in the different demonstrators, the communication between the components will be the same for all vehicles (see function blocks and the meaning of interactors defined in D11.1 and interactor parameters in D12.1 for details).

This common understanding - an important specification goal - has been achieved by open and intensive communication between all partners of the HAVEit consortium.

From the specifications of the components for the different HAVEit system layers, which are described in this document, the following can be concluded:

- The component requirements of all vehicle owners can be fulfilled.
- All components will be available for the partners on time. Some components have already been delivered to the partners (ahead of the schedule).
- Thus, the next project phases (SP2000 - SP5000) can be continued as originally planned.
- With the availability of D11.1, D11.2 and D12.1, the requirements phase is completed and milestone M1 is successfully rolled up.