



Executive Overview

TITLE: HIGH LEVEL STANDARDS FOR VEHICULAR WIRELESS NETWORKS

SUMMARY: This document gives a brief description of the standards that must be taken into account in the CARLINK project.
We only present standards related to the OSI level 3 (network) and above.

GOALS:

1. Identify a set of standards that must be considered in the CARLINK project.
2. Classify the standards according to their purpose.
3. Give a brief description of each standard and links to sources of extended information.

CONCLUSIONS:

1. For the classification of the standards four classes were identified:
 - Communication standards
 - Data management standards
 - Emergency situation standards
 - Message sets and vocabulary standards
 2. The class of communication standards tackles those standards related to the communication among peers in the vehicular network.
 3. The class of data management standards is related to the collection, storage, and distribution of information in the network. This is specially interesting for the weather forecasting application or the road state information processing.
 4. The class of emergency situation standards must be taken into account for accident advertisements.
 5. The class of message sets and vocabulary standards includes standards related to the data exchange between entities and devices such as environmental sensor stations or dynamic message signs.
 6. Some standards are currently in development, what is an indicator of the novelty of Vehicular Wireless Networks.
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