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Speaker Qualifications

After his studies of computer science the speaker took part in the Deutsche Bahn Trainee Program and worked in the domain of application management of pricing and yield management systems. Then he changed to Technical University of Darmstadt to the chair of railway engineering

Standardisations for information exchange in public transport and its benefits using the example of IP-KOM-ÖV

The public transport sector faces the problem of many existing different sources of information that has to be provided for the customer. Additionally, the transport companies need to communicate with each other to achieve a seamless travelling experience for their clients. Unfortunately an aggregation of traffic information data is merely achieved by proprietary insular solutions of individual companies. A general approach for a general exchange of data is missing so far. Thus, unlike in the individual motor traffic the public transport sector cannot provide an information chain throughout the whole travel from source to destination. This leads to the fact the information providers cannot use existing data for services covering the whole trip.

The German federal research project IP-KOM-ÖV faces this problem. Its mean is to standardize the interfaces between vehicles, itcs, a general information platform for real time data and potential clients to use this information. Among those clients are first of all the travellers themselves but as well other clients of all kind, including social media, web portals or other transport companies.

Having a standard for traffic data (real time) information is the basis for any service provided by more than one traffic company. Defining such a standard creates the general conditions for services along the whole travel chain.