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## **VDV-requirements 435-1 Internet of Mobility (IoM) –Teil 1: Funktionale Systemarchitektur /Part 1: functional system architecture**

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### **Edition 02/2020**

In 2017, the VDV initiated the research project "Digital Mobility - Vehicle and Station", DiMo-FuH for short, and was funded by the Federal Ministry of Transport and Digital Infrastructure (BMVI). From January 2017 to September 2018, six partners, including three associated partners, developed and tested standardization proposals for linking operation, infrastructure and passenger information.

The aim of the project was to develop standardized interfaces and standards for networking systems that can be used for passenger information in public transport, with special consideration of the spatial environment of the stop and the vehicle as a central connection point in the intermodal travel chain of mobility users. This also includes the communication between operations centres and the vehicles, as a large part of the basic data for passenger information is determined via this route.

The results of the project will now be published in the VDV requirement series 435-x.

The present VDV 435-1 describes the general functional system architecture for the use of data brokers in public transport.

The VDV-requirement series 435 is designed in such a way that it can be continuously extended and adapted. As with the further development of IBIS-IP (VDV 301-x), the VDV Internet Forum (<https://forum.vdv.de>) serves this purpose.

The VDV publication series will be developed bilingually in order to include non-German-speaking users in the developments. Pure technical descriptions, as they are to be expected when defining the data, are only provided in English.

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