



Business plan for a DIN SPEC project
according to the PAS procedure on

**“Urban mobility data collection for real-
time applications”**

Status:
Commenting Phase

Requests to participate in the project and/or comments on the
business plan are to be submitted by 2017-11-27 to spec@din.de¹

Recipients of this business plan are requested to name all patent rights known
to them to be relevant to the project and to make available
all supporting documents.

Berlin, 2017-10-26

¹ Applications for participating in the project and comments on the business plan that are not received by the deadline do not need to be taken into consideration. Once constituted, the project workshop will decide whether or not to consider the comments received in good time.

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1. Status of the business plan

- For internal commenting
- For public commenting (publication)

This business plan is intended to inform the public of a new DIN SPEC project. Any interested party can take part in this project and/or comment on this business plan. Please send any requests to participate or comments by e-mail to spec@din.de.

Once this business plan is published, the Chairman of DIN's Executive Board decides whether or not the project is to be carried out.

If the project is accepted, all those who have applied for participation or have commented on the business plan by the deadline will be invited to the kick-off meeting of the project workshop.

- For developing the DIN SPEC (PAS) adoption on <yyyy-mm-dd>

2. Initiator and other workshop members

- Initiator:

Person/Organization	Short description
Prof. Dr. Dr. e.h. Lutz Heuser Urban Software Institute – the urban institute® Haydnstr. 34 69190 Walldorf Lutz.Heuser@the-urban-institute.de +49-171-5533019	[ui!] – the urban institute® is a leading software and consulting company as well as a business incubator for Smart City solutions in the areas of sustainable urban mobility, low-emission traffic, integrated multi-functional street lighting infrastructure, energy management for urban districts and integrated infrastructures. The customers are cities, communities and metropolitan regions, further municipal and private companies. With the support of [ui!]'s strategic consulting and products, the customers achieve their ambitious climate, mobility and energy goals as well as the development and operation of a digitized infrastructure for the Smart City faster, more sustainably and efficiently. The company is located in Germany in Chemnitz, Darmstadt, Walldorf and Berlin, as well as internationally in Australia, Singapore, USA and Hungary. The headquarters is in Chemnitz, Germany.

- Other potential participants:

This DIN SPEC will be developed in a consortium (temporary body) that is open to any interested party. The participation of other experts would be helpful and is desired. It is recommended that

City / municipality	Darmstadt
City / municipality	Hamburg
Consulting company	Ernst & Young GmbH
Automobile company	BMW
Automobile company	Volkswagen AG
IT Company	B2M Software GmbH
IT Company	HERE Technologies
IT Company	SAP
IT Company	Urban Software Institute GmbH
Association of engineers	SAE international

take part in the development of this DIN SPEC.

- Confirmed participants at the kick-off meeting:

Person	Organization
Lutz Heuser	Urban Software Institute GmbH
Nadja Gläser	Ernst & Young
Volker Römmeler	Volkswagen AG
Joachim Fröhlich	Stadt Darmstadt
Holger Tallowitz	SAP
Ludger Kühnhenrich	Stadt Hamburg
N.N.	B2M Software GmbH
Ralf Herrtwich	HERE Technologies
Thiemo Schalk	BMW

- Participants who have approved this business plan (workshop members).

Person	Organization

3. Objectives of the project

3.1. General

Municipalities and cities shall implement concepts of sustainable urban mobility. This implies, on the one hand, an increased flexibility with regard to modalities as well as transparency for citizens, regarding which offers are actually available at a given time. On the other hand, digitization already provides a multitude of new information that is now largely collected in separate and partially isolated systems.

The challenge for real-time applications consists of being made available both technically and commercially. Data must be exchanged between mobility providers, city councils, city administration and mobility participants. The requirements for this are standardized data formats, data access, data interfaces while retaining the new EU Data Protection Code (DSGVO), which will apply in May 2018. The mobility data market (MDM) has been active since 2014, but it has not yet been able to adequately meet the requirements of real-time applications.

3.2. Planned scope

This DIN SPEC describes data models, data accesses, data interfaces in the fields of traffic management systems, public transport, logistics, infrastructure (for example imHLA), floating car data and other mobility management systems of this sort.

The center of gravity is the horizontal, i.e. sector-wide integration or interoperability to reuse existing (IoT) infrastructures such as "smart" city furniture, traffic (e.g. "connected car"), smart mobile devices, or smart buildings.

Furthermore, this DIN SPEC (PAS) describes access formats and license formats whose commercial application intends to enable cities to facilitate participation in the economic development of the digitalisation of mobility.

This DIN SPEC (PAS) is aimed at mobility providers, mobility service providers, commercial transport companies, municipalities, public transport.

4. Work programme

4.1. General

The aim of the project is to develop a DIN SPEC according to the PAS procedure ("DIN SPEC (PAS)") (see www.din.de/go/din-spec-en). The DIN SPEC shall be consistent with the body of German standards and shall not contradict any DIN Standard.

The planned starting date is **2017-12-07** (kick-off meeting). The project duration will be about eight months.

The meetings to draw up this DIN SPEC will be held in German (language of meetings, minutes, etc.). The DIN SPEC will be prepared and published in English.

NOTE The projected cost (see 6.) covers one language version only. Please keep in mind that other language versions involve additional expenses which shall be agreed on separately. If another language version is desired, Beuth Verlag/DIN can provide a translation. Requests for translations are to be submitted after the DIN SPEC manuscript has been adopted for publication.

A draft for public commenting will not be published.

4.2 Work plan

The kick-off meeting is planned to take place on **2017-12-07** in Berlin.

At this meeting, the consortium for developing the DIN SPEC will be constituted, and further organizational issues and the subject of the work will be agreed on.

Three additional project meetings will also be held at DIN and eight web conferences are organized by DIN, during which the content of the DIN SPEC will be presented, discussed and adopted. The content of the DIN SPEC can also be drawn up by individual workshop members or in working groups.

Dates of further meetings and/or web conferences are to be agreed on within the workshop in consultation with DIN.

5. Organization of the consortium (temporary body)

This project is governed by the rules of procedure for developing DIN SPEC PAS. All interested parties and workshop members are requested to inform themselves of these procedures by going to www.din.de/go/din-spec-en.

The consortium will be constituted during the course of the kick-off meeting. The kick-off meeting will not take place until the business plan has been

published and approved by DIN's Executive Board. The consortium shall comprise at least three members from different organizations. It is not necessary that these members come from different areas and represent different stakeholders. By approving this business plan, the interested parties declare their willingness to participate in the consortium and will be formally named as consortium members, with the associated rights and duties. Participants at the kick-off meeting who do not approve the business plan are not given the status of a consortium member and are thus excluded from further decisions made during the kick-off meeting and from any other decisions regarding the project.

If an organization (e.g. an association) sends a non-employee to the consortium, this person shall be authorized by the organization, who shall provide proof of this to DIN.

Each consortium member is entitled to vote and has one vote. If an organization sends several experts to the consortium, that organization has only one vote, regardless of the number of experts it sends. Transferring voting rights to other consortium members is not permitted. During voting procedures, decisions are passed by simple majority, not counting abstentions.

Generally, the consortium is closed once it is constituted. The current consortium members shall decide whether any additional members will be accepted or not.

During the kick-off meeting, the workshop members shall elect a consortium leader, who is responsible for content management and any decision-making and voting procedures. The leader is supported by the respective DIN Project Manager, whereby DIN will always remain neutral regarding the content of the DIN SPEC. Furthermore, the DIN Project Manager shall ensure that DIN's rules of procedure, rules of presentation, and the principles governing the publication of DIN SPEC have been observed. Should a consortium leader no longer be able to carry out his/her duties, the DIN Project Manager shall initiate the election of a new leader. The core task of the workshop leader is content management.

The DIN Project Manager is responsible for organizing and leading the kick-off meeting, in consultation with the initiator. Further project meetings and/or web conferences shall be organized by the DIN Project Manager in consultation with the consortium leader.

If workshop members cannot be present when the DIN SPEC or its draft is adopted, an alternative means of including them in the voting procedure shall be used (e.g. in writing, electronically).

All consortium members who voted for the publication of the DIN SPEC or its draft will be named as authors in the Foreword, including the organizations which they represent. All consortium members who voted against the

publication of the DIN SPEC or its draft, or who have abstained, may not be named in the Foreword.

To allow the legal reproduction and distribution of results for the purposes of project work, the consortium members grant DIN rights of use on the basis of the copyright that will accrue to them for the results of their work on the DIN SPEC. The transfer of these utilization rights does not prevent the consortium members from using and further developing the knowledge, experience and findings they bring to the project.

Consortium members are requested to inform DIN of all patent rights known to them to be relevant to this DIN SPEC project.

Subsequent changes to this business plan require a two-thirds majority of all members, as well as the approval of DIN.

6. Resource planning

Each consortium member shall bear the costs of participation in the project.

If the Chairman of DIN's Executive Board approves the project, the initiator of the project will then conclude a contract with DIN and Beuth Verlag.

The performance of this project will incur costs for DIN to a total of **€ 30.500**, excluding VAT. Sharing the burden of these costs is a prerequisite for membership in the consortium.

By approving this business plan, consortium members declare their willingness to bear their share of the project costs, which is based on the number of consortium members.

Each member is to declare this willingness to take on his/her share of costs by individual agreement with the initiator.

This project may incur costs for the leader of the consortium who will share these costs by individual agreements with each member.

If the consortium is expanded later, the additional consortium members shall pay the initiator the same fee to cover costs as the original consortium members.

Any surplus arising from this shall be managed in trust by the initiator and shall be used for any additional project-related purposes (e.g. testing, marketing activities, etc.).

Should there still be a surplus once the project has been completed, this shall be divided equally among all workshop members. That is, costs for each individual member are going to decrease.

7. Related activities

The subject of the planned DIN SPEC is not at present the subject of an existing standard. However, there are bodies, standards and/or other technical rules that deal with related subjects and thus need to be taken into account - and involved or incorporated, where necessary - during this project:

- CEN TC 278 WG 17 "Urban ITS"

8. Contacts

- Consortium leader:

to be determined at the kick-off meeting.

- Project Manager

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Annex: Project schedule (preliminary)

DIN SPEC project	2017				2018							
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	
Initiation												
1. Request and review												
2. Business plan drawn up												
3. Publication of business plan												
Workshop phase												
4. Kick-off meeting / workshop constituted												
5. DIN SPEC (PAS) drawn up												
6. DIN SPEC adopted by workshop												
Publication												
7. Review and release by DIN												
8. Publication of DIN SPEC (PAS)												
Milestones												

- K** Kick off
M Project meeting
W Web conference
A Adoption of DIN SPEC (PAS)