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

„Building Resource Passport – Content Requirements for Structure and Interface“

Status:

For public commenting

Requests to participate in the project and/or comments on the business plan are to be s**ubmitted by 2026-09-25** to claudia.reinel@din.de[1]

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, 25.08.2026 (Version 1)

[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.

Table of contents

1 Status/version of the business plan 3
2 Initiator and other consortium members 3
3 Objectives of the project 4
4 Work programme 6
5 Resource planning 7
6 Rules of cooperation in the DIN SPEC consortium 7
7 Contacts 9
Annex: Project schedule (preliminary) 9

1 Status/version of the business plan

- **For public commenting (Version 1)**

  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 claudia.reinel@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 consortium.

- **For developing the DIN SPEC after adoption on <date of kick off> (Version 2)**

  Changes to the previous version xx:

  – e.g., Section 2: Table of participating organizations added
  – e.g., Section 7: Information on consortium leader added
  – etc.

2 Initiator and other consortium members

- **Initiator:**

Person/Organization	Short description
Anika Steinkuhl/ Technische Hochschule Ostwestfalen-Lippe	Anika Steinkuhl is a research assistant at the Institute for Energy Research at the University of Applied Sciences and Arts (TH OWL). Within the research project “Smart Recycling Factory” she focused of material passports for buildings as part of circularity in the construction industry. She holds a master of science in business information systems.

- **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

  – Stakeholders of regulatory authority
  – Provider of building resource passport or digital product passport solutions
  – BIM-Experts
  – Providers of material information databases
  – etc.

  take part in the development of this DIN SPEC.

- **Organizations[2] that have registered for participation**

Person	Organization
Anika Steinkuhl	Technische Hochschule Ostwestfalen-Lippe
Prof. Dr. Susanne Schwickert	Technische Hochschule Ostwestfalen-Lippe
Leon Konschake	Technische Hochschule Ostwestfalen-Lippe
Johanna Rybak	Technische Hochschule Ostwestfalen-Lippe
Prof. Dr. Rainer Rasche	Technische Hochschule Ostwestfalen-Lippe
Leon Reker	Technische Hochschule Ostwestfalen-Lippe
Luca Wilhelm Raake	Hochschule Bielefeld
Julian Hassl	Hochschule Bielefeld
Prof. Dr. Christiane Nitschke	Hochschule Bielefeld
Julia Weißert	Deutsche Gesellschaft für nachhaltiges Bauen
Dr. Claudia Reinel	DIN e.V.

- **Organizations[2], that have adopted this business plan (consortium members):**

Person	Organization
N.N.	N.N.
N.N.	N.N.
N.N.	N.N.

3 Objectives of the project

3.1 General

Knowledge of the materials incorporated in buildings is essential in the construction industry for efficient and circular use of resources. The European Commission has already paved the way for this through the introduction of ‘Digital Product Passports’ (DPPs), which include, among other things, material-specific data. Depending on the regulatory need and product group, the EU issues delegated acts or regulations that set out content-related and time-related requirements for the DPP. If a delegated act is issued in the area of construction products, manufacturers will have 18 months before the DPP becomes mandatory for affected products. For construction products, the first mandatory DPPs are expected in 2028.

In addition, in February 2026, a draft standardization request by the European Commission for a Digital Building Logbook (DBL) was issued (“Draft standardisation request to the European Committee for Standardization as regards digital building logbooks” dated 22 January 2026). Provided that it does not remain merely a draft standardization request, completion of the standardization work is planned for 2029. As part of the DBL, the standard under section 2.1.2.3 shall include physical and material-related data: “Including, but not limited to, digital product passports established by European legislation, material inventory, expected end of life, and physical data such as envelope performance.” The draft standardization request is based on the European Commission’s decision on the European Strategy for Housing Construction (COM(2025) 991; 16 December 2025), which regards the DBL as a building block for simplifying and digitalizing building-related information.

Potential content relating to a building's physical data is being developed through Level(s) as the European understanding of sustainability criteria in construction. Reference is made to these elements and any necessary additions are made to provide a comprehensive presentation and classification with regard to the circularity of physical building data.

The aim is to define a standard for the role of the Building Resource Passport ("Gebäuderessourcenpass") as a link between the DPP and the DBL. The Building Resource Passport is intended to enable greater transparency and traceability, thereby supporting well-founded decisions in favor of resource-efficient and circular construction. In this context, the Building Resource Passport is intended to cover the life cycle phases (A to C) and the potential beyond the end of use (D). The interaction between Building Information Modeling (BIM) and the DBL has been defined by the CEN/TC 442 working group in several standards. The significance of these standards for the Building Resource Passport may be addressed in this DIN SPEC. In addition, the DIN SPEC is intended to contain a proposal for the standardisation of section 2.1.2.3 of the DBL.

3.2 Planned scope

This document defines terms and provides an understanding of the connection between the Building Resource Passport ("Gebäuderessourcenpass") with the Digital Product Passport (DPP), Building Information Modeling (BIM), and the Digital Building Logbook (DBL). It describes a possible application of Building Resource Passports and its integration into future planning and management processes.

This document is applicable to new construction projects using conventional and circular construction methods. It is limited to relevant building classes in the context of public and private clients in order to ensure comparability and practicality in implementation.

This document is aimed at medium-sized and large planning offices, municipalities and public clients, as well as institutional and private investors. It forms a possible basis for a system for the standardized and structured use of building resource passports in planning processes.

3.3 Related activities

The subject of the planned DIN SPEC is not at present the subject of a standard. However, there are committees, 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 - in this project:

- Standardisation request Digital Building Logbook (DBL)
- WI 00442072, *Digital twins applied to the built environment — Digital Building Logbook as a Digital Thread*
- CEN/CLC/JTC 24/WG 4 "*Interoperability framework*"
- ISO/IEC JTC 1/SC 31 "*Automatic identification and data capture techniques*"
- CEN/TC 350/SC 1/WG 4 "*Circular related information in construction works*"
- WI 00350050, *Circular Economy in the Construction Sector – Communication of circular related information – Horizontal requirements in built environment digital building passports/logbooks*
- NA 005-59-01 AA „*Nachhaltigkeitsbewertung*"
- NA 005-13-06 AA „*Digitale Zwillinge in der bebauten Umwelt*"
- NA 043-02-06 GA DIN/DKE Gemeinschaftsgremium „*Digitaler Produktpass*"
- DIN EN 18216, *Digital product passport - Data exchange protocols*

- DIN EN 18219, Digital product passport - Unique identifiers
- DIN EN 18220, *Digital product passport - Data Carriers*
- DIN EN 18221, *Digital product passport - Data storage, archiving, and data persistence*
- DIN EN 18222, Digital Product Passport - Application Programming Interfaces (APIs) for the product passport lifecycle management and searchability
- DIN EN 18223, *Digital Product Passport - System interoperability*
- DIN EN 18239, *Digital Product Passport - Access rights management, information system security, and business confidentiality*
- DIN EN 18246, *Digital product passport - Data authentication, reliability and integrity*
- Ecodesign for Sustainable Products Regulation (EU) 2024/1781
- Construction Products Regulation (EU) 2024/3110
- Urban Mining Index
- Madaster Materialpass
- DGNB Gebäuderessourcenpass
- Building Renovation Passport
- Study on the development of a European Union framework for digital building logbooks – Final Report

4 Work programme

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

The kick-off meeting is planned to take place on 12.10.26 in virtually. The project duration will be about 10 months.

At this kick-off meeting, the consortium for developing the DIN SPEC will be constituted, further organizational issues will be decided on and clarified, and, where possible, work on the subject matter will be begun.

A draft for public commenting will not be published.

A total of 2 project meetings (kick-off meeting and work meetings) and 6 web conferences will be held, during which the content of the DIN SPEC will be presented, discussed and approved. The content of the DIN SPEC can be drawn up by individual consortium members or in working groups.

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

The DIN SPEC will be drawn up in German (language of meetings, minutes, etc.). The DIN SPEC will be written in English.

NOTE The calculation covers only one language version. Please keep in mind the fact that other language versions involve additional expenses; for this reason, they shall be agreed on separately. If another language version is desired, Beuth/DIN can provide a translation. Requests for translations are to be submitted after the DIN SPEC manuscript has been approved for publication.

5 Resource planning

Each consortium member shall bear the expenses he/she incurs as a result of participation in the project.

If the DIN Executive Board approves the project, the initiator of the project will then conclude a contract with DIN.

Consortium membership and participation in the project meetings is free of charge, as the costs incurred by DIN throughout the performance of this project will be financed by funding from the research project "Forschungsinfrastruktur für die SMART RECYCLING FACTORY" funded by the Ministry of the Environment, Nature and Transport of the State of North Rhine-Westphalia and European Union as per the funding announcement Forschungsinfrastrukturen.NRW 2.0 (funding reference no.: EFRE-2030010).

6 Rules of cooperation in the DIN SPEC consortium

This project is governed by the PAS procedural rules. All interested parties and consortium members are 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 Management Board. The consortium shall comprise at least three members from different organizations[2]. 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 someone who is not an 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 how many consortium participants it sends. Transferring voting rights to other consortium members is not permitted. During voting procedures, decisions are passed by simple majority; abstentions never count.

As a rule, 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 consortium 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 responsible 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

[2] Organizations are legal entities and natural persons, insofar as they participate in business transactions on a commercial or freelance basis. If several legal entities are part of a group or a corporate structure within the meaning of Section 15 of the German Stock Corporation Act (§ 15 Aktiengesetz) or Section 271 (2) of the German Commercial Code (§ 271 Absatz 2 Handelsgesetzbuch), they are deemed to be one organization.

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 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 consortium members cannot be present when the DIN SPEC or its draft is approved, 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, will not be named in the Foreword.

Any expansion of the consortium at a later date is decided on by the members making up the consortium at that time. It is particularly important to consider these aspects:

a) expansion would be conducive to shortening the duration of the project or to avoiding or averting an impending delay in the planned duration of the project;

b) the expansion would not result in the project taking longer to complete;

c) the new consortium member would not address any new or complementary issues beyond the scope defined and approved in the business plan;

d) the new consortium member would bring complementary expertise into the consortium in order to incorporate the latest scientific findings and state-of-the-art knowledge;

e) the new consortium member would actively participate in the drafting of the manuscript by submitting concrete, not abstract, proposals and contributions;

f) the new consortium member would ensure wider application of the DIN SPEC.

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 the scope (Section 3.2) or to the resource planning (Section 5) require, in addition to a two-thirds majority of all votes cast, the approval of DIN.

7 Contacts

- **Consortium leader:**

  to be determined

- **Project manager:**
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Annex: Project schedule (preliminary)

DIN SPEC Project	2026												2027											
	Jul		Aug		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																								
Development phase																								
4. Kick-off meeting/consortium constituted																								
5. DIN SPEC drawn up																								
6. DIN SPEC approved by consortium																								
Publication																								
7. Review and release by DIN																								
8. Publication of DIN SPEC																								
Milestones								**K**		**W**		**W**		**W**		**W**		**W**		**W**		**A / M**		

K Kick-off
M Project meeting
W Web conference
A Adoption of DIN SPEC