



All aboard! Serialized marking in the railway sector

The unique marking spare parts or components offers many potentials for the railway sector. Both manufacturers and system houses, as well as railway operators and service partners can use a serialized code to optimise internal processes and better control overarching processes. We will gladly support you, as a supplier, with the implementation in your company. Get ready for departure.



Railway operators such as Deutsche Bahn, SBB or SNCF have already been using unique and automatically readable markings on their locomotives and waggons for many years now. The positive experiences and manifold application possibilities for regular maintenance, improved transparency and faster procurement of spare part are now to be transferred to components and parts. As early as 2016 an internationally applicable standard was defined, which is increasingly used by suppliers and required by railway operators for procurement tenders (see documents below in the orange box). To implement these new requirements in a resource-friendly and advantageous manner for your own company, we support you with our long-standing expertise: from the comprehensive analysis to the standard-compliant implementation.

Links to relevant documents

- GS1 Application Standard - Identification of Components and Parts in Rail Industry Application Standard (2018)
- ALSTOM Deployment Specifications (April 2020)
- Deutsche Bahn - Technical terms and conditions of delivery -Identification and physical marking of parts and components (April 2018)

Use this link to access various documents such as from Deutsche Bahn, SBB, Alstom and GS1.



The challenge

In many industries, the aim is to achieve increased transparency throughout the value chain. Be it, for example, in the automotive sector to contain recalls more quickly, in pharmaceuticals to detect grey imports and counterfeits, or the food industry to strengthen consumer confidence. The more is known about products, components or parts, the better internal and external processes can be controlled and supported, correct information be provided or further leading services be linked. These advantages should also be used in the railway sector to ensure competitiveness and to be able to solve current challenges adequately.

The application standard „Identification of Components and Parts in Rail Industry“ (see adjacent link) offers a comprehensive framework for the standardised implementation of unique identifiers and summarises the future requirements of rail operators for new components and parts in a condensed form. As a result, the large system houses, in addition to the railway operators, are also instructing their suppliers in the tenders to apply appropriate labels. And this based on the global application recommendation. This naturally creates implementation pressure on the supplier side, which has to be overcome.

Traceability

Railway sector

Suppliers

Digitalisation

Standards

Serialisation

1D⁺
oneIDentity⁺



The offer

The implementation of the application standard is becoming increasingly important for suppliers in the railway sector. On the one hand, to meet the requirements of the customers and, on the other hand, to use the multitude of potentials for their own company. The timely establishment of adequate processes and technologies increases your competitiveness in the context of future tenders.

At first glance, the application standard may seem very complex. To ensure a technically sound and resource-efficient implementation of the standard, our oneIdentity+ experts provide support from the initial analysis and comprehensive planning to the final implementation in your processes.

Specifically, this means that together with our implementation partners, we offer you the following services which can be delivered independently of each other:

1. Analysis of your products, labels and IT infrastructure with regard to the given requirements

- Result: Implementation concept and rough cost/time planning
- Fixed price of 9,900 Euros

2. Implementation support according to implementation concept as project manager in cooperation with solution partners

- Result: fulfilment of customer requirements (labelling and data transfer)
- Scope: flexible

USPs / Expertise

For more than 8 years, oneIdentity+ experts have been active in various committees and projects with both railway operators and suppliers. Together, guidelines have been developed and projects implemented. In a large number of workshops involving stakeholders from the rail sector (including Deutsche Bahn, SBB, Knorr-Bremse or Siemens), specific requirements for the entire industry were discussed and specified in detail.

We support you with our comprehensive and practical experience in the field of standard-compliant marking of parts and components as well as in the data processing of scans/events and their electronic processing. We would be happy to convince you in a non-binding conversation.

For more information, please call us or visit
<https://www.one-identity-plus.com/in-the-railway-industry>



Solution Partner
oneIdentity+

What makes oneIdentity+ GmbH special?

We offer flexible, mobile services based on worldwide valid standards for the challenges around product protection and Track & Trace in Industry 4.0 and IoT. As a subsidiary company of TecAlliance GmbH and solution partner of GS1 Germany, oneIdentity+ GmbH is your neutral and reliable partner.

Contact:

Dr.-Ing. Daniel Dünnebacke

Chief Operating Officer

+49 89 32 1216-8111

daniel.duennebacke@one-identity-plus.com

Mirja Bittrich

Senior Solution Manager

+49 89 32 1216-8153

mirja.bittrich@one-identity-plus.com

oneIdentity+ GmbH

Steinheilstraße 10

85737 Ismaning

Deutschland

