

 eos.validator

ios.validator

Die Fahrt ist gültig.

Monatskarte
Gültig von: 01. März 2015
Gültig bis: 31. März 2015

TicketID	4504054
Fahrgast-Name	Jennifer Meyer
Produktname	Monatskarte
Tarifzone	Großbereich AB
Gültigkeitstext	01. März 2015 00:00 31. März 2015 23:59
Geburtsdatum	23. März 1983





The eos.validatorSuite

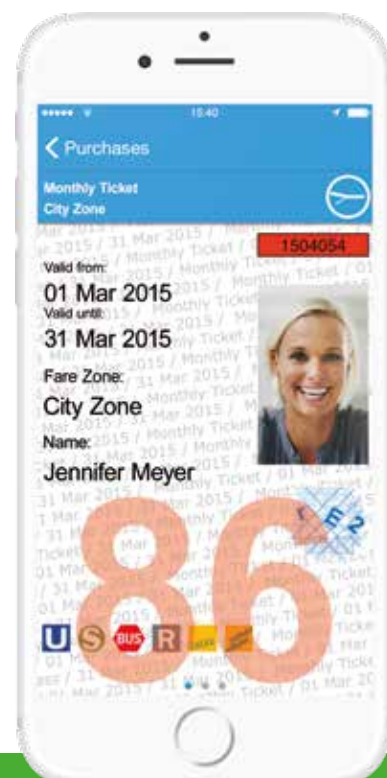
The eos.validator enables inspection of barcode tickets based on the international train standard UIC 918-3 or the VDV Barcode standard as well as QR code based tickets – whether it's printed tickets or tickets displayed on your smartphone or smartwatch. The inspection of mobile and online tickets using visual or barcode inspection is a time-consuming process that is especially impractical at busy stations. To optimise this process, eos.upgrade has developed an innovative concept to significantly improve ticket inspection.

This new process will make electronic inspection via barcode as well as visual inspection both easier and more secure.

Electronic inspection

As part of the innovative concept by eos.upgrade each ticket will be linked to the passenger's photo, thereby making the additional inspection of ano-

ther identity document unnecessary and forgery of the ticket practically impossible. The photos can be stored in a number of ways, making it almost impossible to exchange or falsify them. The barcode can be used, for example, to store minimised versions of passengers' photos which can then be displayed on the control unit during ticket inspection.





Thanks to the ticket's signature and its verification on the control unit, all data would be found to be correct and protected against falsification. Where control units are connected to the internet, it would also be possible to automatically load a small preview image of the passenger photo from the eos.ticketingSuite after every barcode scan.

Visual Inspection

Not only barcode inspection but also visual inspection will be simplified thanks to iBeacon technology. Thanks to tailored visual aids, ticket inspectors and also bus drivers only need to look at the mobile ticket to see if it is valid. Inspectors can, for instance, determine a number and colour, which will be displayed on the passengers' tickets via communication with the iBeacon. This offers better protection against falsification while at the same time making it easier for bus drivers, for example, to recognise the authenticity and validity of new passengers' mo-

bile tickets thanks to the visual inspection features. Furthermore, the passenger's photo can directly be displayed on his mobile ticket, and not only when the ticket has been scanned by the inspector. Special security routines prevent the exchange of photos on valid tickets, so that a misuse – such as passing the ticket on to third parties – can be avoided.

Benefits for transport operators

- Quick visual and electronic inspection of tickets
- Integration of photos directly in mobile tickets and as information in the barcode
- Greater ticket security and protection against falsification or exchange
- Transfer of security features via iBeacon technology for a quick visual inspection
- Easier ticket inspection at busy stations



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