

Transport Ticketing Global



Železničná spoločnosť Slovensko,

From Open to Standards

Sebastian Borowski, International Sales Director
Fare Collection Systems, Scheidt & Bachmann

OPEN SYSTEMS, STANDARDS & DARWIN



New systems need to be open.
Standards are key for long term success.

THE PAST

A yellow and white cable car is shown on a narrow, cobblestone street in a historic city, likely Lisbon. The car has large windows and a single round headlight. The street is lined with old buildings, and laundry is hanging on lines in the background. The scene is bright and sunny.

Public transport was a duty
with clearly defined scope
and independent from other
transport modes.

THE FUTURE

A night cityscape, likely Chicago, with a network of glowing blue lines and dots overlaid on the image, symbolizing digitalization and connectivity. The text is placed within a semi-transparent white box on the left side of the image.

Digitalization: Public Transport
is now a service & a complex business
across multiple transport modes.

FROM CLOSED TO OPEN SYSTEMS

Interlinked services for seamless customer experience.



INTEGRATION DRIVES INNOVATION

New customer experience by
integrating different services.

Standards to archive larger scale.



EUROPEAN COMMISSION REGULATION NO. 1277/88:
Max. bending: 10 mm per 10 cm in length

Not all standards are reasonable.



```
8      this.id = id;  
9      this.firstName=firstName;  
10     this.lastName=lastName;  
11     }  
12     public Long getId(){  
13         return id;  
14     }  
15     public void setId(Long id){  
        this.id=id;  
    }
```

ISO 216

International paper size standard

Reasonable standards solve a problem.

LET THE STANDARD EVOLVE



THE FITTEST STANDARD SURVIVES



Successful standards prevail
because they are better.



**Thank you for your
attention!**