

Standards@Rail

"European Standards provide the backbone of railway design, manufacturing and maintenance and provide a systematic process and solution that enable operators and manufacturers to work together for a common economic benefit. Standards help make a better, safer railway".

Cliff CORK, Chair of CEN/TC 256 Railways applications

"Railways are a great mean of travel for short trips as well as for long ones. The reason for that is trains are safe, comfortable, fast and environmentally friendly. All these characteristics of the railway system are supported by European Standards developed by CEN and CENELEC.

The suppliers compete to deliver the best solutions in accordance with these standards. This does not limit innovation and allows to continuously improve the system without losing compatibility between single components (e. g. a wheel), the subsystems (e. g. a train) and the overall railway system. The operators can then choose the solution they would like to offer to the most important stakeholder - their passengers".

Jan ANDERS, Chair of the Sector Forum Rail CEN-CENELEC-ETSI

"The requirements of European Standards can address many system compatibility issues. When these requirements involve complete traffic management systems (like ERTMS) the same train can be designed to travel safely across different countries in accordance with different national rules without further customisations".

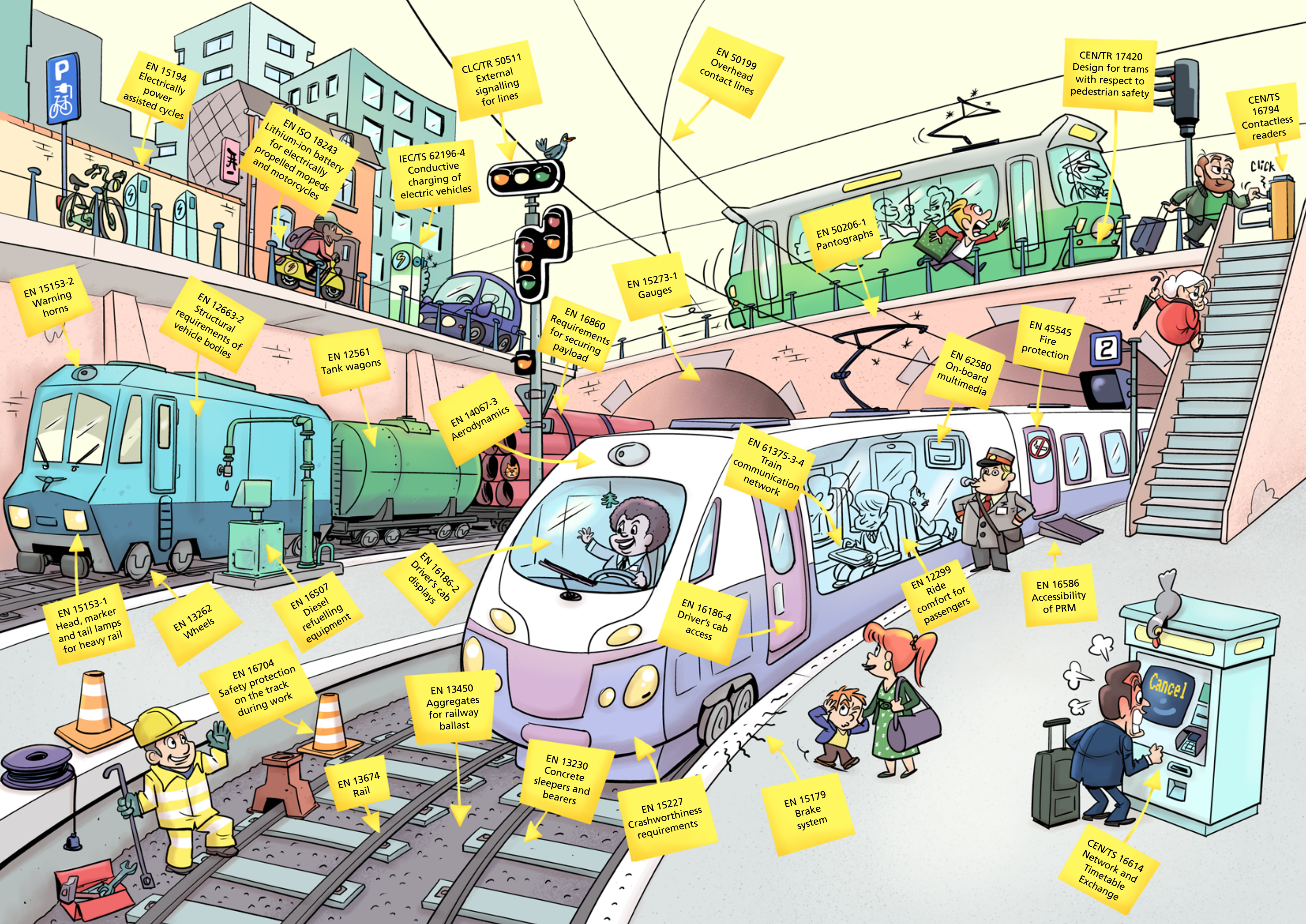
Pietro MARMO, Chair of CLC/TC 9X Electrical and electronic applications for railways

Have a nice trip
and for more
information, visit
www.cencenelec.eu!



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EN 15194
Electrically
assisted cycles

EN ISO 18243
Lithium-ion battery
for electrically
propelled mopeds
and motorcycles

CLC/TR 50511
External
signalling
for lines

EN 50199
Overhead
contact lines

CEN/TR 17420
Design for trams
with respect to
pedestrian safety

CEN/TS
16794
Contactless
readers

IEC/TS 62196-4
Conductive
charging of
electric vehicles

EN 50206-1
Pantographs

EN 15273-1
Gauges

EN 16860
Requirements
for securing
payload

EN 45545
Fire
protection

EN 62580
On-board
multimedia

EN 15153-2
Warning
horns

EN 12663-2
Structural
requirements of
vehicle bodies

EN 12561
Tank wagons

EN 14067-3
Aerodynamics

EN 61375-3-4
Train
communication
network

EN 12299
Ride
comfort for
passengers

EN 16586
Accessibility
of PRM

CEN/TS 16614
Network and
Timetable
Exchange

EN 15153-1
Head, marker
and tail lamps
for heavy rail

EN 13262
Wheels

EN 16507
Diesel
refuelling
equipment

EN 16704
Safety protection
on the track
during work

EN 13450
Aggregates
for railway
ballast

EN 13674
Rail

EN 13230
Concrete
sleepers and
bearers

EN 15227
Crashworthiness
requirements

EN 15179
Brake
system

EN 16186-4
Driver's cab
access

EN 16186-2
Driver's cab
displays