

#ERA20Years

Living Safety. Shaping Tomorrow.

IRSC 2024 | 20 September | Vienna



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20 YEARS OF EMPOWERING EUROPEAN RAILWAYS.

2004

ERA is born!

A NEW BEGINNING
FOR THE GOVERNANCE OF
EUROPEAN RAILWAYS.

2005

Becoming fully
operational

2006

1st recommendation
for a TSI issued
by the Agency

2007

3rd railway
package
is adopted
in October 2007

2008

1st Safety Report
is published

2009

1st Interoperability
Report is published

2011

2012

The Single European
Railway Area (SERA)
is established, a symbolic
step forward towards the
Europeanisation of railways

Common tools for the European
railways leading to **enhanced
coordination**

2010

Common Safety Method
for Risk Evaluation and
Assessment

2013

ERA fosters
progress with
interoperability
and safety

Stronger role in the
monitoring of
national safety
authorities and
notified bodies, in
particular the
national safety
authorities and the
notified bodies

2014

End of Mandate
Marcel Verslype

2015

Start of Mandate
Josef Doppelbauer

2019



16th of June

Vehicle authorisation (VA),
Safety Certification (SSC), and
ERTMS Trackside approval

- 1st VA signed
- 1st SSC signed

2018

1st Biennial Report covering both **Safety
and Interoperability** is issued by ERA

2017

Common Safety Methods (CSM) become an
essential tool for all rail actors at European level



Preparing Implementing Acts on Vehicle
Authorisation and **Safety Certification**

2016

4th Railway Package enters into force.
**A new era with a fully-fledged
package of tasks**

2020

Record cleaning of National
Rules from over
14 000 to 955
between January 2016
and December 2020

1st BoA case

2021

**European
Year of Rail**

The Agency has developed a
**unique safety perception
survey**, the European Rail
Safety Climate Survey (ERA-SCS)

2022

ERA presents its **compelling
vision for the target
railway system**

2023

Major milestone achieved
by ERA:
**More than 70 000
rail vehicles authorised**

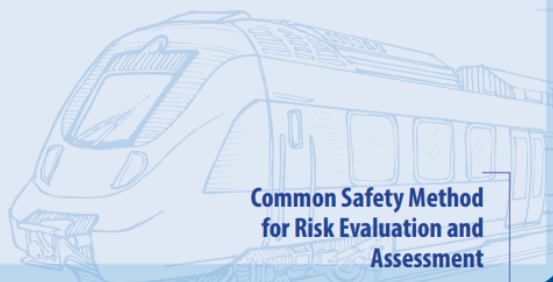
New TSI Package
comes into force

ERA signs 1st **Authorisation
for New Generation
Sleepers Trains**:
a substantial step for reviving
Night Trains in Europe

ERA signs the **European
Union Agencies Network's
Diversity Charter**

2024

ERA Training Catalogue
building together the skills
for rail professionals



Malta

Helsinki

Berlin

Amsterdam

Brussels

Start of 4RP Taskforce

SAFETY FIRST.

ERA's institutional motto

Safety

Promote a harmonised approach
to railway safety and monitor
national authorities

Interoperability

Devise the technical and legal framework
to remove the technical barriers
hampering cross-border rail



System Authority for ERTMS and Telematics

Improve accessibility
and use of rail system information
and data through ERA Registers

European Authority

Issue vehicle authorisations,
single safety certificates and trackside approvals,
to improve the competitive position
of the Single European Rail Area



Ten years ago, on the 3rd December 2005, teenage friends Olivia Bazlinton and Charlotte Thompson were killed at Elsenham level crossing in Essex.

Living **Safety.**
Shaping **Tomorrow.**



Living **Safety.**
Shaping Tomorrow.





2004 – 2024 | 20 Years of better safety

Railway safety is concerned with the protection of life and property through regulation, management and technology development of all forms of rail transportation.

For 20 years, ERA develops common approaches to safety.

Featuring a dedicated Safety Unit, ERA also monitors and reports on rail safety in the EU.

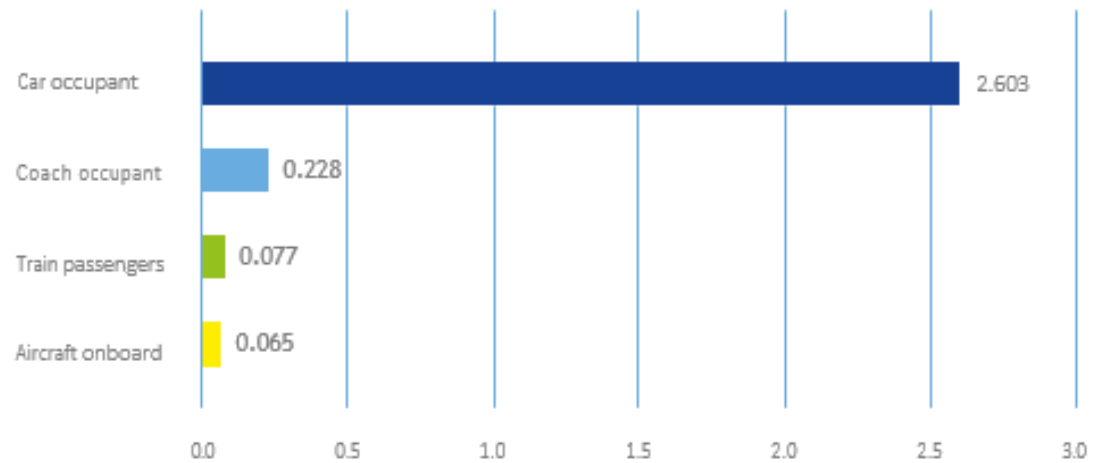
RAILWAY SAFETY WORLDWIDE

And among different transport modes

- The safety level of the EU railway system remains very high
- It is one of the safest railway systems in the world
- In a multimodal comparison, rail appears the safest mode of land transport in the EU

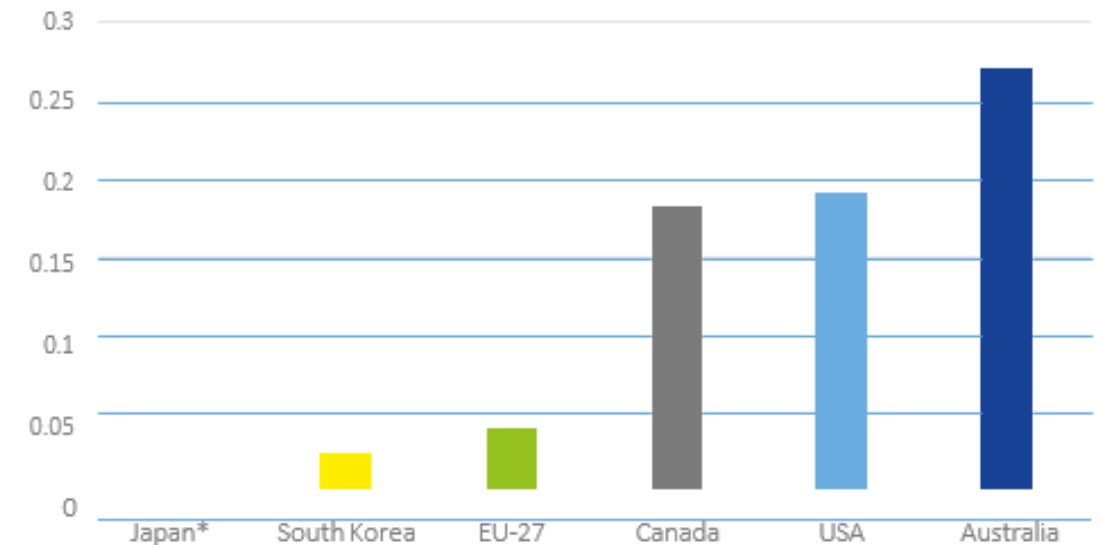
Passenger and driver fatality rates for different transport modes (EU-27, 2012-2021)

Onboard fatalities per billion passenger kilometers



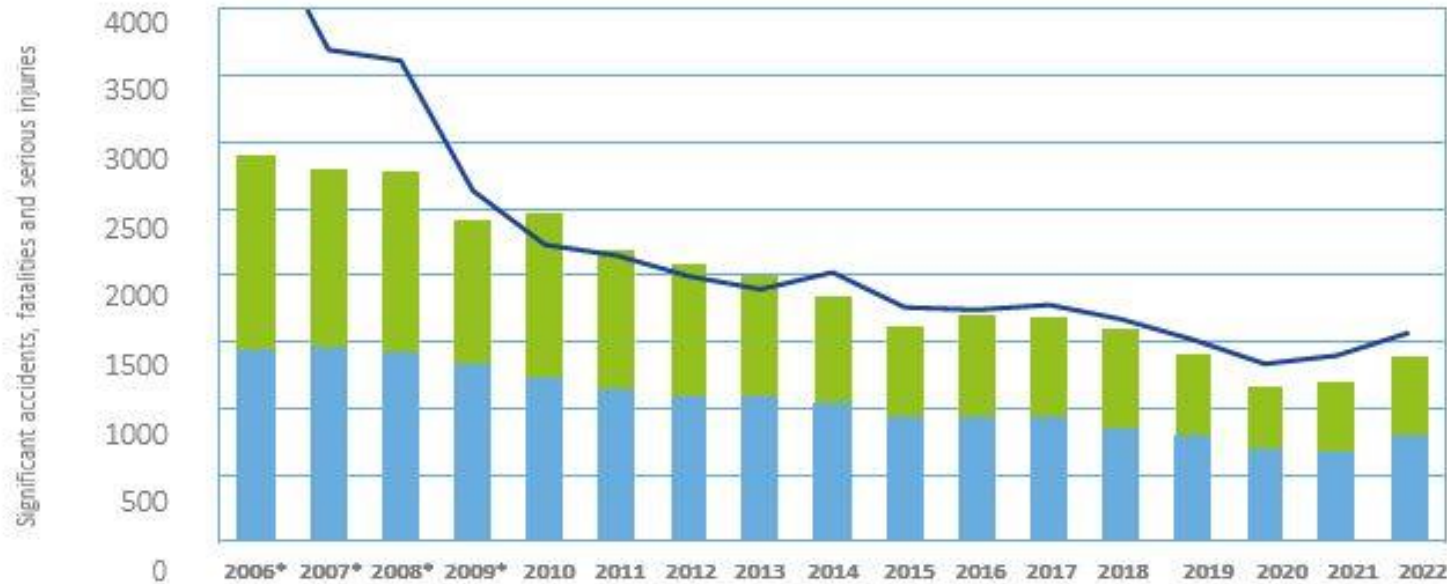
Passenger fatality rates for different countries worldwide (2018-2022)

Railway passenger fatalities (excluding suicides) per billion passenger kilometers



Significant Accidents | Downward trend

Main safety outcomes (EU-27, 2006-2022)



Serious injuries	1461	1336	1359	1089	1226	1041	996	899	810	672	766	747	750	613	469	512	594
Fatalities	1439	1459	1422	1331	1245	1151	1093	1095	1029	939	942	933	855	802	687	683	805
Significant accidents	4731	3701	3619	2634	2230	2146	1994	1896	2022	1764	1743	1778	1671	1518	1336	1395	1569

Major accidents have become rare in the last years.

KEY FINDINGS OF ERA'S 2024 SAFETY AND INTEROPERABILITY REPORT:

After the overall positive progress of the last decade, in 2022 an increase in significant accidents and related casualties have been recorded, going back to pre-COVID levels. The overall cost of railway accidents remains high (estimated in around 4 billion EUR in 2022 only for significant accidents in EU-27)



Major accidents

Even if major accidents (i.e., with 5 or more fatalities) have become rare in the last years, in 2022 and 2023 five of such accidents were registered.



Safety levels

Large differences in safety levels still exist between EU Member States



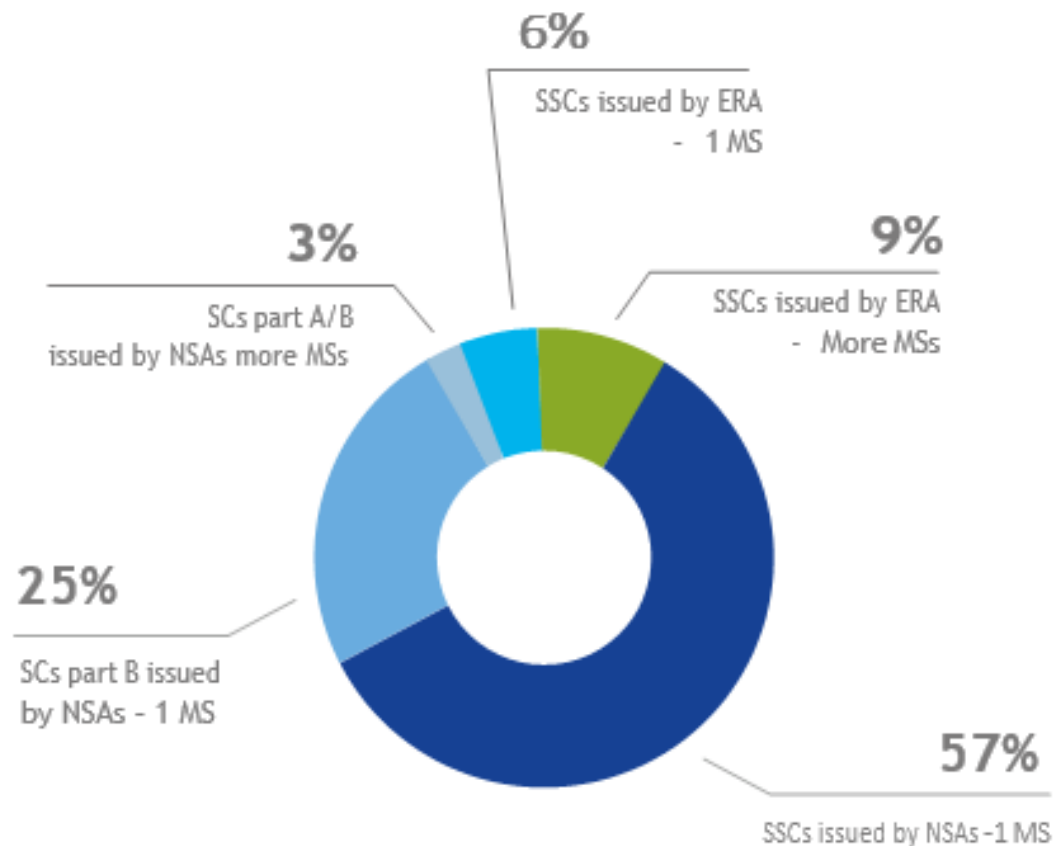
CSM ASLP

A fast implementation of the CSM ASLP would be beneficial to provide an additional angle to assess/improve how safety is managed across Europe.



4th Railway Package

SSC | Single Safety Certificates



SAFETY COMES FIRST

The benefits of ERA for rail safety. Economic impacts of safety

Gains from more efficient safety regulation (15 EU MSs, year 2000)

10 million EUR per year

Decrease in significant accidents and related casualties and costs of those accidents

Cost of significant accidents – about **3-4 billion EUR per year (EU-27)**, with significant decrease of the number of those accidents and casualties in the last two decades



**3-4 billion
EUR per year**

Common Safety Methods (CSMs):

In the two decades since its inception, ERA has played an essential role in establishing CSMs to ensure a high and uniform level of safety across the EU's rail network.



for

risk evaluation
and assessment



for

monitoring



on

safety management
system requirements



on

supervision



on

common safety
targets



for

conformity
assessment



ERA and HOF

Human and Organisational Factors |
Understanding the Interactions among
Humans and other Elements of the System

ERA has launched innovative programs to support railway stakeholders in cultivating a **strong safety culture** and seamlessly **integrating HOF into their operations.**



ERA Training Catalogue

To support its stakeholders with the implementation of the EU legislation and enhance railway safety across the Union, ERA is building an ambitious training portfolio open to rail professionals and safety specialists.

Click [here](#) to find all the Events & Training organised by the Agency.

Page content

[Training](#)

[e-learning](#)

If you want to know more about ERA Safety Training in 2024, watch [the recording of the webinar we had on 30 January 2024](#).

Any questions? Please [contact us](#).

Training



Investigating SMS

24-26 September 2024. Online. Register now!



Safety Leadership Train-The-Trainer

24-27 September 2024. Valenciennes, France. Registration is closed.

ERA Academy

Training catalogue

To support its stakeholders with the implementation of the EU legislation and enhance railway safety across the Union, ERA is building an ambitious **training portfolio open to rail professionals and safety specialists.**



THANK YOU

Moving Europe towards a sustainable and safe railway system without frontiers.

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