SHARING COMMON SAFETY PRINCIPLES
FOR GUARANTEING SAFETY AND IMPROVING INTEROPERABILITY
IN AN INTEGRATED INTERNATIONAL RAILWAY NETWORK.

GIULIO MARGARITA

ANSF (Italian Railway National Safety Authority)
Head of Operational Rules Sector

Geneva, 24th November 2015
The Basic Italian Safety Principle

The number of accidents per year should tend to “zero” together with the number of fatalities per year.
Implementation of ATC/ATP systems on the Italian national network
Traffic protected by ATC/ATP Systems
Train Collisions

Incidenti gravi ai sensi dell’All. I del Dilgs 162/2007
Collusioni dei treni. Andamento globale e confronto tra collisioni tra
 treni e collisioni contro ostacoli

Incidenti number Incidenti
Passengers fatalities in rolling stock’s movements

Andamento annuale del valore aggregato dei passeggeri morti e dei feriti gravi in incidenti alle persone provocati da materiale rotabile in movimento

<table>
<thead>
<tr>
<th>Year</th>
<th>Passeger Mort + Ferit Gravi</th>
<th>Value Mean 2005-2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>2006</td>
<td>19</td>
<td></td>
</tr>
<tr>
<td>2007</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>2008</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>2009</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>2010</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>2011</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>2012</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>2013</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>2014</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

ANSF
Agenzia Nazionale per la Sicurezza delle Ferrovie
Safety Principles to be shared

0. The number of accidents and of their victims should tend to “zero”
1. Trains are allowed to run only if automatically protected from driver’s and signalmen’s mistakes
2. The outside doors of a passenger train must be locked before the departure and during the trip
3. Circulation should be stopped while signaling devices are under maintenance
4. …
Why sharing Safety Principles?

ACHIEVING HOMOGENEOUS SAFETY PERFORMANCES

IMPROVING INTEROPERABILITY:

- Trains without the right on board subsystems cannot run in Italy
- Passenger trains without doors centralized block system cannot run in Italy
- …

- Reducing problems on cross-borders sections