2015 Trends in Rail transport

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UIC: the International Union of Railways

- About 240 members and partners on all continents

- Members are:
  - Railways
  - Rail operators
  - Infrastructure managers
  - Railway service providers
  - Public transport companies
  - Research Institutes

- Public or private railway companies
Synergies developed by UIC with leading institutions

UIC
Consultative status to UN, ECOSOC

UIC DG Member of HL-Adv Group to UN SG on Sustainable Transport
UIC, its missions

Promoting the development of rail transport at world level, in order to meet challenges of mobility and sustainable Development

Key Challenges in terms of

- Innovation
- Standardisation
- Transmission
- Dissemination
- Strategic Advice
UIC’s role

- Know-how
- Technical and operational expertise
- Technical solutions
- Regulations, standards
- Best practices

- Exchange platforms
  - Innovation: new ideas, new concepts
  - Protecting member railways’ common interests
  - Support policies of development of key infrastructure projects

- Specifications
- Standards
- Interfaces
- Studies
- Interoperability for international rail corridors

- Forums
- Seminars
- Conferences
- Congresses: WCRR,
  UIC HIGHSPEED
  Global Rail Freight Conference,
  ERTMS, NextStation
Statistics publications

- Yearbook: final data (restricted to participants*)
- Synopsis: provisional numbers
- Time series indexes and values (to be restarted)

Also on-line data
- Quarterly
- Synopsis

Railisa data base is being redesigned and soon available

UIC Statistics are company based
>>> data given and validated by UIC members

visit our website at http://uic.org

* Since 2012
Synopsis

Provisional annual data - All continents

- Length of lines
- Rolling Stock
- Average staff strength
- Train performance in train-km
- Rail Traffic in pass., pass-km, tonnes, tonne-km
- High speed traffic

Available mid year for n-1

download it at  http://uic.org/statistics
International Railway Statistics

- Yearly published
- Public data?

- Network
- Transport stock
- Staff
- Operation
- Passenger traffic
- Freight traffic
- Financial results
- Energy
- Accidents
- High-speed

+ 5 yearly tables
## Cautious reading: we search solutions

<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>Europe including Turkey</td>
<td>469.2</td>
<td>483.8</td>
<td>470.5</td>
<td>472.8</td>
<td>485.6</td>
<td>480.0</td>
<td>476.1</td>
<td>475.3</td>
<td>463.3</td>
<td>-3%</td>
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<td>Russian Federation</td>
<td>173.4</td>
<td>175.9</td>
<td>153.6</td>
<td>139.0</td>
<td>139.8</td>
<td>144.6</td>
<td>144.6</td>
<td>128.8</td>
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<td>62.0</td>
<td>62.2</td>
<td>62.3</td>
<td>49.3</td>
<td>49.3</td>
<td>49.3</td>
<td>63.5</td>
<td>62.8</td>
<td>-1%</td>
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<tr>
<td>America</td>
<td>13.3</td>
<td>14.0</td>
<td>13.5</td>
<td>12.0</td>
<td>20.8</td>
<td>20.9</td>
<td>22.3</td>
<td>21.7</td>
<td>27.5</td>
<td>21%</td>
</tr>
<tr>
<td>Asia Oceania and Middle East</td>
<td>1 788.6</td>
<td>1 950.9</td>
<td>2 012.0</td>
<td>2 079.3</td>
<td>2 187.8</td>
<td>2 171.7</td>
<td>2 173.0</td>
<td>2 380.9</td>
<td>2 280.2</td>
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<tr>
<td>WORLD estimates</td>
<td>2 506.1</td>
<td>2 686.6</td>
<td>2 711.9</td>
<td>2 755.4</td>
<td>2 883.4</td>
<td>2 866.6</td>
<td>2 865.3</td>
<td>3 070.2</td>
<td>2 954.3</td>
<td>-4%</td>
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</table>

<table>
<thead>
<tr>
<th>Tonne-kilometres (billions)</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>Δ%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Europe including Turkey</td>
<td>723.2</td>
<td>988.8</td>
<td>546.0</td>
<td>700.6</td>
<td>648.6</td>
<td>621.4</td>
<td>604.1</td>
<td>569.6</td>
<td>529.1</td>
<td>-8%</td>
</tr>
<tr>
<td>Russian Federation</td>
<td>2 090.3</td>
<td>2 116.2</td>
<td>1 865.3</td>
<td>1 903.2</td>
<td>2 127.2</td>
<td>2 222.4</td>
<td>2 222.4</td>
<td>2 298.6</td>
<td>2 304.8</td>
<td>0.3%</td>
</tr>
<tr>
<td>Africa</td>
<td>139.2</td>
<td>138.4</td>
<td>137.1</td>
<td>139.2</td>
<td>139.1</td>
<td>139.1</td>
<td>139.4</td>
<td>158.7</td>
<td>136.5</td>
<td>-16%</td>
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<tr>
<td>America</td>
<td>3 540.2</td>
<td>3 513.8</td>
<td>2 973.2</td>
<td>3 076.1</td>
<td>3 132.6</td>
<td>3 231.0</td>
<td>3 231.0</td>
<td>3 252.5</td>
<td>2 524.6</td>
<td>-29%</td>
</tr>
<tr>
<td>Asia Oceania and Middle East</td>
<td>3 095.9</td>
<td>3 452.7</td>
<td>3 466.2</td>
<td>3 462.0</td>
<td>3 621.2</td>
<td>3 593.1</td>
<td>3 592.3</td>
<td>3 410.7</td>
<td>3 072.5</td>
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<tr>
<td>WORLD estimates</td>
<td>9 588.9</td>
<td>10 207.9</td>
<td>8 987.9</td>
<td>9 281.2</td>
<td>9 688.6</td>
<td>9 807.0</td>
<td>9 789.2</td>
<td>9 690.2</td>
<td>8 667.5</td>
<td>-13%</td>
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<table>
<thead>
<tr>
<th>Length of lines (kilometres)</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>Δ%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Europe including Turkey</td>
<td>264 630</td>
<td>263 806</td>
<td>268 468</td>
<td>285 408</td>
<td>270 342</td>
<td>265 116</td>
<td>265 231</td>
<td>263 248</td>
<td>258 270</td>
<td>-2%</td>
</tr>
<tr>
<td>Russian Federation</td>
<td>84 158</td>
<td>85 194</td>
<td>85 281</td>
<td>85 292</td>
<td>85 167</td>
<td>84 249</td>
<td>84 249</td>
<td>85 266</td>
<td>85 262</td>
<td>0%</td>
</tr>
<tr>
<td>Africa</td>
<td>52 400</td>
<td>52 482</td>
<td>52 299</td>
<td>50 275</td>
<td>70 505</td>
<td>70 505</td>
<td>70 505</td>
<td>50 959</td>
<td>56 600</td>
<td>8%</td>
</tr>
<tr>
<td>America</td>
<td>389 863</td>
<td>386 773</td>
<td>383 079</td>
<td>375 774</td>
<td>369 222</td>
<td>369 222</td>
<td>381 538</td>
<td>371 114</td>
<td>240 155</td>
<td>-55%</td>
</tr>
<tr>
<td>Asia Oceania and Middle East</td>
<td>222 645</td>
<td>221 827</td>
<td>224 151</td>
<td>224 205</td>
<td>233 570</td>
<td>232 366</td>
<td>227 707</td>
<td>229 702</td>
<td>232 714</td>
<td>1.3%</td>
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<tr>
<td>WORLD estimates</td>
<td>1 013 696</td>
<td>1 010 082</td>
<td>1 013 276</td>
<td>1 020 953</td>
<td>1 028 806</td>
<td>1 021 457</td>
<td>1 029 230</td>
<td>1 000 289</td>
<td>872 001</td>
<td>-14.7%</td>
</tr>
</tbody>
</table>
Passenger-kilometres (billions)

- Europe including Turkey
- Russian Federation
- Africa
- America
- Asia Oceania and Middle East

Passenger-kilometres Share in 2015

- **Asia Oceania and Middle East**: 77%
- **Russian Federation**: 4%
- **Europe including Turkey**: 16%
- **Africa**: 2%
- **America**: 1%
Tonne-kilometres Share in 2015

- Asia Oceania and Middle East: 36%
- Russian Federation: 27%
- America: 29%
- Europe including Turkey: 6%
- Africa: 2%
High Speed Traffic 2015
passenger-kilometres in billions

Other Europe*: CD 2013, CP, NS, PKP, SNCB 2011, SZ, TCDD, VR
High Speed Traffic in China

- 2010: 46 Billion of Pkm
- 2011: 106 Billion of Pkm
- 2012: 145 Billion of Pkm
- 2014: 282 Billion of Pkm
- 2015: 386 Billion of Pkm
A strategic vision for the rail development in every region of the world

http://africa.uic.org/squelettes/AFRICA_Strategic_Vision.pdf
http://latin-america.uic.org/squelettes/LATIN-AMERICA_Strategic_Vision.pdf
http://europe.uic.org/IMG/pdf/europe_challenge2050.pdf
http://europe.uic.org/IMG/pdf/rail_technical_strategy_europe.pdf
Global Vision for railway development

UNECE 5-7 September 2016 Transport and Economics

UIC CONFERENCES – FIRST HALF 2016

- 27 April 2016 - Sustainable Mobility Workshop
- 6 May 2016 - TopRail
- 29/02 - 02/03 2016 - Symposium on Railway Safety Regulations and the Impact on Rail Infrastructure
- 09/07-13/07 2016 - 11th WCRR 2016 - Research and Innovation from "Today Towards 2050"
- 10-11 June 2016 - Save the date ILCAD (4th Congress)
- 10-11 June 2016 - Innovation week
- 11-12 June 2016 - National Rail Freight Rail Freight Innovation
- 13-15 July 2016 - International Conference on High Speed Rail (HSR) Foundation Stone
- 13-15 July 2016 - International Conference on High Speed Rail
- 15 March 2016 - 1st Conference on Railway Innovation (RIN)
- 15-16 March 2016 - Tourism on Railways
ACCESSING UIC RESOURCES: STANDARDS
Thank you for your kind attention

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Available

Statistique Internationale des Chemins de Fer
Internationale Eisenbahnstatistik
International Railway Statistics

2014

For more publications, visit our website at http://uic.org
On-line data collection tool available for UIC members

- Explanatory notes are in line with the ITF / UNECE / Eurostat glossary

- Need to be registered, statistics correspondents are identified

- Data are annually and monthly collected for now

- Previous period data are proposed in the questionnaire

- Possible excel export since February 2016 to ease validation by data owners if needed
Main concerns

> Less participants to data collection even if on-line completed

> Confidentiality concerns underlined by some members

> Temporary situation:

  > Reciprocity principle decided for 2013 data and later but aggregated figures are possible

  > Precise survey among members to be completed in order to define which parameter will not be confidential