Securing Critical Transport Infrastructure: The Role of the Private Sector

UNECE
Working Party on Transport Trends and Economics
Geneva
8 September, 2015

Dr. Adnan Rahman
Director General
IRF Geneva
# Critical Infrastructure

<table>
<thead>
<tr>
<th>Mode</th>
<th>Assets</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aviation</td>
<td>Airports, Air Traffic Control Systems, Aircraft</td>
</tr>
<tr>
<td>Rail Freight</td>
<td>Rail lines, rail cars, locomotives, marshaling yards, control centers</td>
</tr>
<tr>
<td>Roads &amp; Motor Carriers</td>
<td>Roads, Bridges, Tunnels, automobiles, Traffic Management Centers</td>
</tr>
<tr>
<td>Maritime (Inland and deep sea)</td>
<td>Vessels, Inland Waterways, Ports</td>
</tr>
<tr>
<td>Public Transport and Passenger Rail</td>
<td>Public transport vehicles (trams, metro-systems, ...), stations</td>
</tr>
<tr>
<td>Pipelines</td>
<td>Gas and oil pipelines</td>
</tr>
</tbody>
</table>
What makes it critical?

- Cross-sector dependencies
- Inter-dependency of transport modes
- Large impact of disruption
- Potentially large loss of life
Process to Develop Policy for Protecting Critical Infrastructure

1. Identify Assets, Systems & Networks
2. Choose Focus Areas
3. Implement Measures
4. Measure Performance
5. Set Protection Goals
6. Risk Assessment
Identifying Assets, Systems, and Networks

• Sector provides information to determine vulnerability (physical elements, humans, information)
Risk Assessment

• Risk from natural disasters, accidents, and terrorist attacks
• Risks to and from the transport sector
• Safety, privacy and stakeholder concerns (disruptions, privacy-security conflicts, safety-security conflicts)
• Financial and commercial considerations
Implement Measures

• Compliance with policy
• Provide data to monitor compliance
Measure Performance

• Compliance with policy
• Provide data to monitor compliance
• Test own preparedness
Set Goals

- Absolute protection is prohibitively expensive
- Trade-off security versus costs
- Realistic goals
- Value for money
Conclusions

• Private sector has high stakes in ensuring the safety and security
• Protection comes at a cost
• Minimising disruption and costs should be part of decision calculus
• Private sector plays a vital role in protecting critical infrastructure
Recommendations

• Involve the private sector
  – Do it early in the process of creating plans and policies
  – Partnerships

• Co-ordinated approach is necessary
  – Across transport modes
  – Across boundaries
Thank you