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Securing Critical Transport Infrastructure: The Role of the Private Sector

UNECE

**Working Party on Transport Trends
and Economics**

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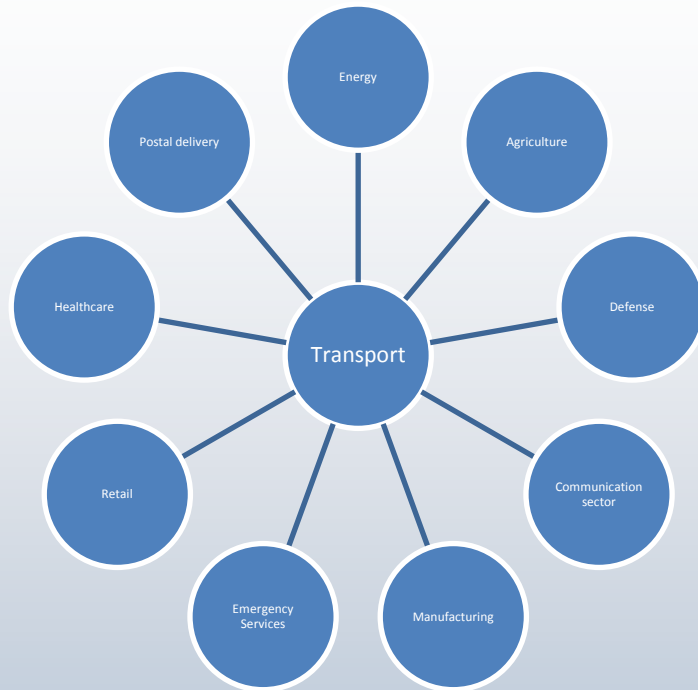


Critical Infrastructure

Mode	Assets
Aviation	Airports, Air Traffic Control Systems, Aircraft
Rail Freight	Rail lines, rail cars, locomotives, marshaling yards, control centers
Roads & Motor Carriers	Roads, Bridges, Tunnels, automobiles, Traffic Management Centers
Maritime (Inland and deep sea)	Vessels, Inland Waterways, Ports
Public Transport and Passenger Rail	Public transport vehicles (trams, metro-systems, ...), stations
Pipelines	Gas and oil pipelines



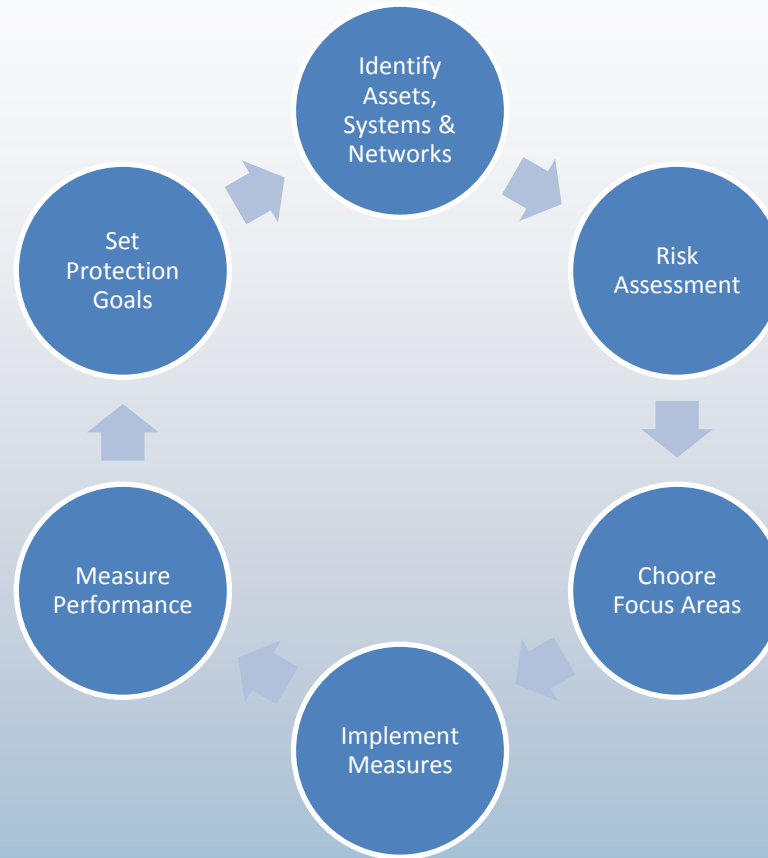
What makes it critical?



- **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





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 conflict)
- 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



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Thank you

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