

POTENTIAL NEW INDICATORS ON RAIL TRANSPORT

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Proposal from ITF

- ITF collects rail data at the national level:
 - Infrastructure data (investment and network length)
 - Passenger and freight movement
- Indicators proposed by the ERA Task Force mainly refer to costs
- ITF is proposing two sets of indicators:
 - Operational performance indicators
 - Environmental performance indicators
- Should we include some statistical indicators?



Operational Performance Indicators

- Network utilization
 - Passenger-kilometres/km of network, categorised by service type (e.g. urban, conventional or high-speed rail)
 - Tonne-kilometres/km of network, categorised by service type
- Fleet utilization
 - Passenger-kilometres/vehicle-kilometres
 - Tonne-kilometres/vehicle-kilometres
- Turnaround time
- Empty running



Environmental Performance Indicators

- Fuel efficiency (l/100 km equivalent)
 - By vehicle category and powertrain type
- Energy consumption (kWh/km)
 - By vehicle category and powertrain type
- Energy source mix to power vehicles
- CO2 emissions (g CO2/km equivalent)
 - By vehicle category and powertrain type
- Vehicle replacement rate
 - By vehicle category and powertrain type



Statistical Indicators

- ? Vehicle fleet size
 - ? By vehicle category, powertrain type and split by freight/passenger
- ? Vehicle fleet age
 - ? By vehicle category, powertrain type and split by freight/passenger
- ? Delay time
 - ? Average delays on main corridors, split by freight/passenger
- ? Load factors
 - ? By vehicle category and split by freight/passenger



Other proposals

- Should we start collecting data in cubic metres, not only in tonne-kilometres?
 - Goods are becoming lighter, but more valuable
- Should we collect time series for costs?
 - It would be possible to calculate cost elasticities for scenario analysis
- Should we collect data on water use and water management?
 - There is limited understanding of the water requirements associated with different transport modes



**Questions?
Suggestions?
Remarks?**

Thank you