

**ECORails –
Energy efficiency and environmental criteria in the awarding of regional rail transport
vehicles and services**

ECORails

Deliverable 23: Training Module for the Guidelines Annex 05 Part 3/Issue 04 - Main types of specifications

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Function

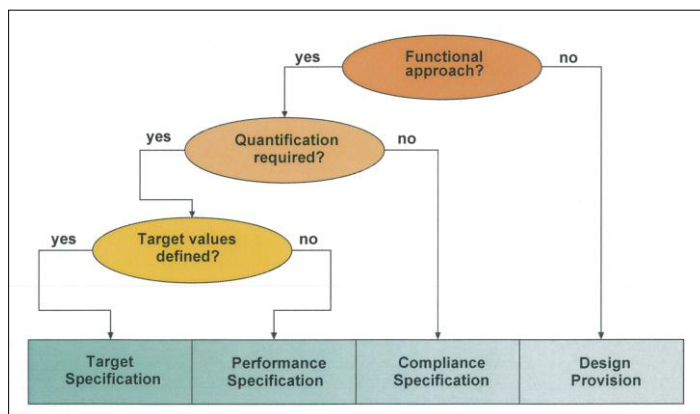
Approval

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Main types of specifications

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Main types of specifications



Quantification process for environmental specifications (source: UIC Leaflet 345, June 2006, p. 38)

Overview of criteria

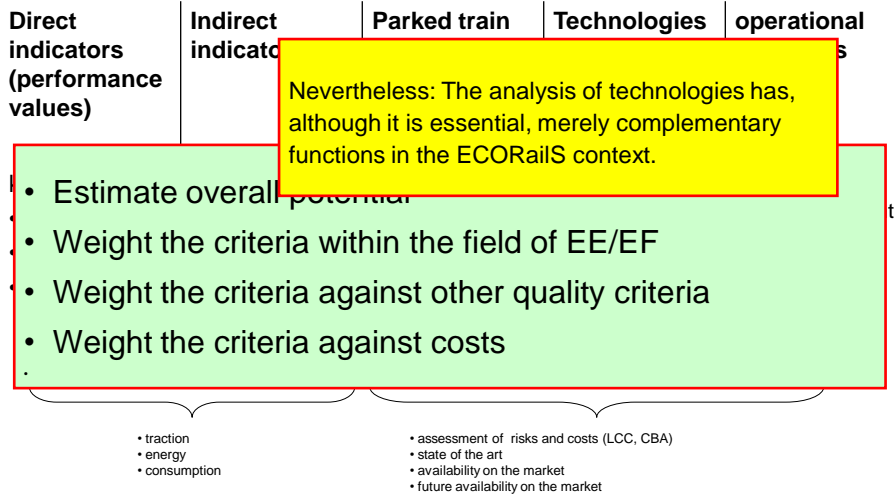
Performance indicators	Indirect indicator	Parked train mode	Technologies	operational measures
kWh per • pass. km • seat km • train km • gross tkm	mass per seat	comfort functions	most prominent • braking energy / onboard equipment • braking energy / fixed installations (sub-stations, supercaps) • braking energy / diesel operations	most prominent • energy-efficient driving (timetable, training, technical advices)
traction energy consumption		• assessment of risks and costs (LCC, CBA) • state of the art • availability on the market • future availability on the market		

- Evaluation of vehicles?
- Evaluation of operations?
- Estimation of standard energy costs

Overview of criteria

Direct indicators (performance values)	Indirect indicator	Parked train mode	Technologies	operational measures
<ul style="list-style-type: none"> • Estimate overall potential • Weight the criteria within the field of EE/EF • Weight the criteria against other quality criteria • Weight the criteria against costs 				
traction energy consumption		• assessment of risks and costs (LCC, CBA) • state of the art • availability on the market • future availability on the market		

Overview of criteria



Contact

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