



Common Questionnaire – Streamlining Road Transport

Fadiah Achmadi, Secretary, WP.6

Theme	I	II	III	IV	V	VI
RAILWAY TRANSPORT	Infrastructure	Transport Equipment	Enterprise	Traffic	Transport Measurement	
ROAD TRANSPORT	Infrastructure	Transport Equipment	Enterprise	Traffic	Transport Measurement	Accidents
NAVIGABLE IWWs	Infrastructure	Transport Equipment	Enterprise		Transport Measurement	
OIL PIPELINE TRANSPORT	Infrastructure – Trans. Equip.		Enterprise		Traffic – Trans. Measurement	
ROAD TRANS. VKM	Traffic on National Territory by Type of Vehicle	Traffic on National Territory by Type of Road	Traffic of National Vehicles			
BUSES AND COACHES	Vehicle-km			Number of passengers		

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BUSES AND COACHES	Vehicle-km			Number of passengers		

Road Transport Infrastructure

- 16 new indicators on EV charging infrastructure
- 4 new indicators on cycling infrastructure

National cycling infrastructure/Length at 31.12 (km)/Total

National cycling infrastructure/Length at 31.12 (km)/By category/Cycle lanes

National cycling infrastructure/Length at 31.12 (km)/By category/Cycle tracks, urban

National cycling infrastructure/Length at 31.12 (km)/By category/ Cycle tracks, peri-urban and not urban



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12 additional indicators on special purpose vehicles

in line with UN Consolidated Resolution on the construction of vehicles (R.E.3)

Number of Passenger cars and $\underline{\text{new}}$ (M1)/Number at 31.12 (Unit)/Total = 4

Of which camper vans and motor homes at 31.12 (Unit)

Of which ambulances and other special purpose passenger cars at 31.12 (Unit)

Number of Motor coaches, buses, trolley buses, mini buses and mini coaches and new (M2-M3)/Number at 31.12 (Unit)/Total = 2

Of which special purpose vehicles (M2-M3) at 31.12 (Unit)

Number of Light Utility Vehicles and $\underline{\text{new}}$ (N1)/Number at 31.12 (Unit)/Total = 2

Of which light special purpose vehicles (N1) at 31.12 (Unit)

Number of Lorries and new (excluding light utility vehicles - LUV)/Number at 31.12 (Unit)/Total = 2

Of which special purpose vehicles (N2-N3) at 31.12 (Unit)

4 additional indicators on vehicles used by businesses, for hire or reward Interest for ROADVKM and other studies

Passenger cars (M1)/Number at 31.12 (Unit)/Total

Of which passenger cars (M1) used by businesses

Light Utility Vehicles (N1)/Number at 31.12 (Unit)/Total

Of which light utility vehicles (N1) used by businesses

Lorries (excluding light utility vehicles - LUV)/Number at 31.12 (Unit)/Total

Of which lorries (excluding light utility vehicles – LUV) for hire or reward

Road tractors/Number at 31.12 (Unit)/Total

Of which road tractors for hire or reward

Additional fuel types under Mopeds and Motorcycles

WP.6 74th session

- Highlighted the need to reclassify road vehicle fleet by fuel type, emphasizing EVs
- The reclassification should include electric mopeds and other vehicle types

Label

Mopeds (L1-L2)/Number at 31.12 (Unit)/Total

Mopeds (L1-L2)/Number at 31.12 (Unit)/By vehicle technology/Petrol Fossil Fuel

Mopeds (L1-L2)/Number at 31.12 (Unit)/By vehicle technology/Others Zero emission

Mopeds (L1-L2)/Number at 31.12 (Unit)/By vehicle technology/ Other alternative fuels

Motorcycles and similar (L3-L7)/Number at 31.12 (Unit)/Total

Motorcycles and similar (L3-L7)/Number at 31.12 (Unit)/By size of engine/125 cc or less

Motorcycles and similar (L3-L7)/Number at 31.12 (Unit)/By size of engine/Exceeding 125 cc

Motorcycles and similar (L3-L7)/Number at 31.12 (Unit)/By vehicle technology/—Petrol Fossil Fuel

Motorcycles and similar (L3-L7)/Number at 31.12 (Unit)/By vehicle technology/-Others Zero emission

Motorcycles and similar (L3-L7)/Number at 31.12 (Unit)/By vehicle technology/ Other alternative fuels

26 additional indicators on types of motor energy

	Passenger cars (M1)	Buses, motor coches (M2 + M3)	Light utility vehicles (N1)	Lorries	Road tractors
Plug-in hybrid petrol-electric			Total fleetnew registration	Total fleetnew registration	
Plug-in hybrid diesel-electric			Total fleetnew registration	Total fleetnew registration	Total fleetnew registration
Hydrogen and fuel cells			Total fleetNew registration	Total fleetNew registration	Total fleetNew registration
Renewable fuels	Total fleetNew registration				

56 discontinued indicators (poor response rates, streamlined)

- Breakdown of motor coaches, buses, trolley buses, mini buses and mini coaches (M2-M3) total fleet + new = 8
- Special purpose vehicles total fleet + new = 2
- Bioethanol, biodiesel, and bi-fuel vehicles total fleet + new = 14
- Load capacity of lorries, semi trailers, and trailers total fleet + new = 32



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BUSES AND COACHES	Vehicle-km			Number of passengers		

Enterprise Economic Performance and Employment

2 additional indicators, 3 discontinued indicators

Poor response rates

Investment and maintenance in road transport vehicles in goods road transport enterprises (GRTE)/Million national currency; current prices/Expenditures in road transport vehicles - Total

By expenditure type/Investment in road transport vehicles

By expenditure type/Investment in road transport vehicles

Investment and maintenance in road infrastructure/Million national currency; current prices/Expenditure in road infrastructure - Total

Investment and maintenance in road infrastructure/Million national currency; current prices/Expenditure in road infrastructure - Total/By expenditure type/Investment in road infrastructure (all sources of financing)

Of which investment in motorways (all sources of financing)

Investment and maintenance in road infrastructure/Million national currency; current prices/Expenditure in road infrastructure - Total/By expenditure type/Maintenance in road infrastructure financed by Public Administrations

Of which maintenance in motorways financed by Public Administrations

Alignment with ITF's infrastructure investment questionnaire

Proposal to Delete Road Traffic Chapter

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Road Transport Theme VS ROADVKM Theme

10 discontinued indicators

Road Traffic Chapter

Motor vehicles movements on national territory – all vehicles – irrespective of country of registration (Vehicle-km)

Motor vehicles movements on national territory –vehicles registered in the reporting country (Vehicle-km)

ROADVKM Theme

National and foreign vehicles on national territory (Vehicle-km) by type of vehicle

National vehicles on national territory (Vehicle-km) by type of vehicle

VS

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Transport Measurement

8 discontinued indicators (poor response rates and lack of dissemination)

Goods transport by vehicles registered in the reporting country/Tonnes carried (1000)/By maximum permissible weight (MPW category) of goods road motor vehicle/

3501 kg - 7500 kg

7501 kg - 12000 kg

12001 kg - 40000 kg

Over 40000 kg

Goods transport by vehicles registered in the reporting country/Tonnes-km (Mio)/By maximum permissible weight (MPW category) of goods road motor vehicle/

3501 kg - 7500 kg

7501 kg - 12000 kg

12001 kg - 40000 kg

Over 40000 kg



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NAVIGABLE IWWs	Infrastructure	Transport Equipment	Enterprise	Statist	tion of 25 indicators ics of road traffic accidents		
OIL PIPELINE TRANSPORT	Infrastructure – Trans. Equip.		Enterprise		een covered by ion framework	another data	
ROAD TRANS. VKM	Traffic on National Territory by Type of Vehicle	Traffic on National Territory by Type of Road	Traffic of National Vehicles				
BUSES AND COACHES	Vehicle-km			Number of passengers			

Conclusion

- The current CQ collects 362 indicators in ROAD TRANSPORT theme
- 60 proposed new/additional indicators
- 75 discontinued indicators
- Reduction of 15 indicators in total → not many but more structured







Common Questionnaire – Road Transport VKM

Fadiah Achmadi, Secretary, WP.6

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BUSES AND COACHES	Vehicle-km			Number of passengers		

Why Streamlining ROADVKM Theme (1)?

				RAIL					RO	AD				IW	W			OIL		RO	ADVK	M	BUS	SES
		1	Ш	III	IV	V	1	H	III	IV	V	VII	1	II	III	V	I	III	V	I	Ш	III	I	IV
AL	2022	100%	53%	40%	56%	65%	60%	47%	50%	0%	0%	80%												
AT	2022	92%	44%	40%	65%	35%	60%	99%	0%	0%	58%	100%	9%	0%	0%	42%	0%	0%	3%					
BE	2022	46%	0%	10%	12%	12%	0%	38%	0%	0%	0%	100%	0%	70%	0%	30%	0%	0%	0%	0%	0%	0%	0%	0%
BG	2022	94%	0%	40%	0%	45%	80%	28%	0%	60%	66%	92%	18%	72%	0%	45%	100%	0%	40%	20%	9%	2%	45%	50%
BH	2022	100%	79%	20%	51%	70%	50%	97%	0%	0%	0%	12%												
BY	2022	15%	0%	10%	0%	0%							9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
CA	2022						0%	6%	0%	0%	0%	0%					0%	33%	26%				0%	4%
CH	2022	92%	0%	40%	7%	60%	60%	97%	0%	70%	91%	100%	27%	10%	0%	54%	50%	0%	40%	18%	0%	0%	9%	9%
CY	2022						70%	83%	0%	0%	50%	64%												
CZ	2022	100%	76%	70%	92%	85%	80%	35%	50%	10%	69%	100%	100%	59%	50%	78%	100%	100%	100%	1%	4%	97%	0%	63%
DE	2022	100%	0%	20%	0%	0%	50%	77%	50%	50%	94%	96%	100%	18%	33%	100%	50%	33%	40%	0%	0%	31%	54%	36%
DK	2022	92%	58%	70%	7%	45%	60%	50%	50%	50%	77%	96%					50%	0%	100%	31%	0%	0%	9%	4%
ES	2022	100%	100%	100%	100%	35%	0%	99%	0%	0%	83%	88%											0%	22%
EE	2022	100%	86%	50%	17%	60%	80%	78%	16%	50%	75%	8%									18%	2%	81%	81%
FI	2022	100%	0%	70%	100%	45%	0%	99%	0%	50%	83%	100%	0%	100%	0%	18%				16%	27%	1%		
FR	2022	100%	37%	0%	7%	55%	50%	88%	0%	80%	94%	88%	27%	78%	0%	78%	0%	0%	20%	18%	4%	92%	9%	4%
GB	2022	58%	0%	70%	9%	12%	50%	62%	0%	50%	83%	100%	100%	0%	0%	36%				14%	52%	0%	27%	27%
GE	2022	84%	34%	10%	0%	30%	0%	28%	0%	0%	11%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	9%
GR	2022	100%	100%	40%	17%	45%	10%	12%	0%	0%	0%	12%					100%	0%	73%					
HR	2022	100%	100%	100%	60%	100%	80%	74%	50%	50%	94%	88%	100%	100%	50%	78%	50%	0%	100%		10%	0%	27%	59%
HU	2022	100%	67%	10%	0%	55%	100%	83%	50%	50%	88%	100%	100%	40%	50%	69%	50%	0%	100%	20%	76%	0%	27%	81%
IE	2022	100%	0%	0%	0%	0%	50%	68%	0%	100%	61%	100%								37%	10%	23%	45%	22%
IS	2022						20%	2%	0%	0%	0%	0%												
IT	2022	100%	0%	0%	7%	50%	0%	66%	0%	10%	61%	100%	27%	2%	0%	0%	100%	0%	13%	3%	3%	0%	36%	36%
LI	2022						100%	94%	0%	0%	0%	12%												
LT	2022	100%	95%	80%	97%	75%	100%	98%	66%	40%	91%	92%	27%	72%	100%	69%	100%	100%	100%	25%	12%	32%	63%	63%
LU	2022	100%	53%	40%	7%	45%	40%	67%	0%	0%	0%	100%	100%	0%	0%	0%								
LV	2022	100%	79%	100%	95%	85%	100%	98%	50%	50%	88%	100%					100%	100%	100%	42%	0%	87%	36%	
MD	2022	94%	72%	20%	14%	37%	70%	36%	0%	0%	47%	12%	18%	18%	0%	30%							0%	36%
MK	2022	100%	79%	30%	63%	50%	80%	21%	33%	80%	97%	88%					50%	0%	6%		24%	2%	72%	_
МТ	2022						0%	92%	50%	40%	0%	64%								40%	0%	97%	36%	13%
ME	2022	94%	0%	0%	0%	25%	60%	40%	0%	0%	0%	0%												
NL	2022	64%	0%	100%	7%	70%	70%	78%	66%	90%	88%	24%	27%	45%	66%	87%	50%	0%		61%			36%	0%
NO	2022	74%	0%	40%	17%	60%	80%	97%	0%	30%	83%	0%	222/			700/	100%	100%	3%	77%	76%	73%	36%	
PL	2022	100%	69%	100%	90%	85%	90%	70%	0%	0%	83%	88%	63%	70%	0%	78%	100%	0%	73%				90%	86%
PT	2022	71%	55%	80%	48%	75%	30%	77%	0%	20%	86%	80%	0701	1000	201	700	100%	100%	100%	7%	0%	7%	63%	63%
RU	2022	100%	76%	0%	9%	75%	60%	68%	0%	50%	63%	88%	27%	100%	0%	78%	100%	0%	53%	14%	36%	0%	0%	81%
RS	2022	100%	44%	40%	53%	50%	70%	5%	0%	0%	0%	0%	27%	100%	0%	51%	100%	0%	30%			600	9%	27%
SK	2022	92%	83%	60%	63%	75%	60%	8%	50%	30%	63%	60%	27%	100%	50%	66%	50%	0%	0%	0%	0%	0%	0%	63%
SI	2022	100%	100%	100%	100%	100%	90%	38%	0%	100%	63%	0%	- 00	004	-	2007				46%	41%	49%	27%	27%
SE	2022	76%	62%	70%	46%	60%	100%	96%	50%	50%	77%	100%	0%	0%	0%	36%				9%	0%	68%	9%	9%
TR	2022	92%	0%	0%	0%	0%	70%	86%	0%	0%	5%	68%	001	001	001	004	5001	001	001	005	00*	001	004	001
US	2022						0%	0%	0%	0%	0%	0%	9%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%

Low completion rate of ROADVKM Theme

Why Streamlining ROADVKM Theme (2)?

Consistency with the type of vehicle in the streamlined ROAD TRANSPORT theme

Current Categorisation

- L1-L7: Motorcycles and mopeds
- M1: Passenger cars
- M2 + M3: Buses, motor coaches, etc
- N1: Goods vehicles up to 3.5 t MPW
- N2: Goods vehicles > 3.5 t 6 t MPW
- N3: Goods vehicles > 6 t MPW
- T5: Road tractors

Proposed Streamlining

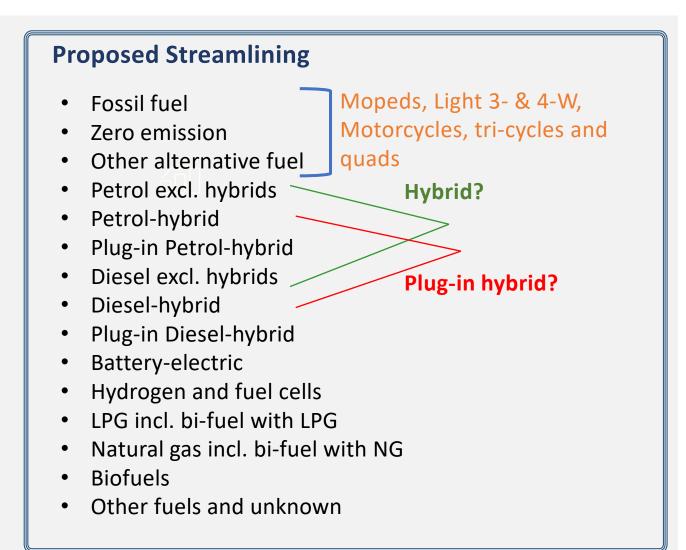
- L2/L2/L6: Mopeds and light 3- and 4-wheelers
- L3/L4/L5/L7: Motorcycles, tri-cycles and quads
- M1: Passenger cars
- M2 + M3: Buses, motor coaches, etc
- N1: Goods vehicles up to 3.5 t MPW
- N2 + N3: Goods vehicles > 3.5 t MPW
- T5: Road tractors

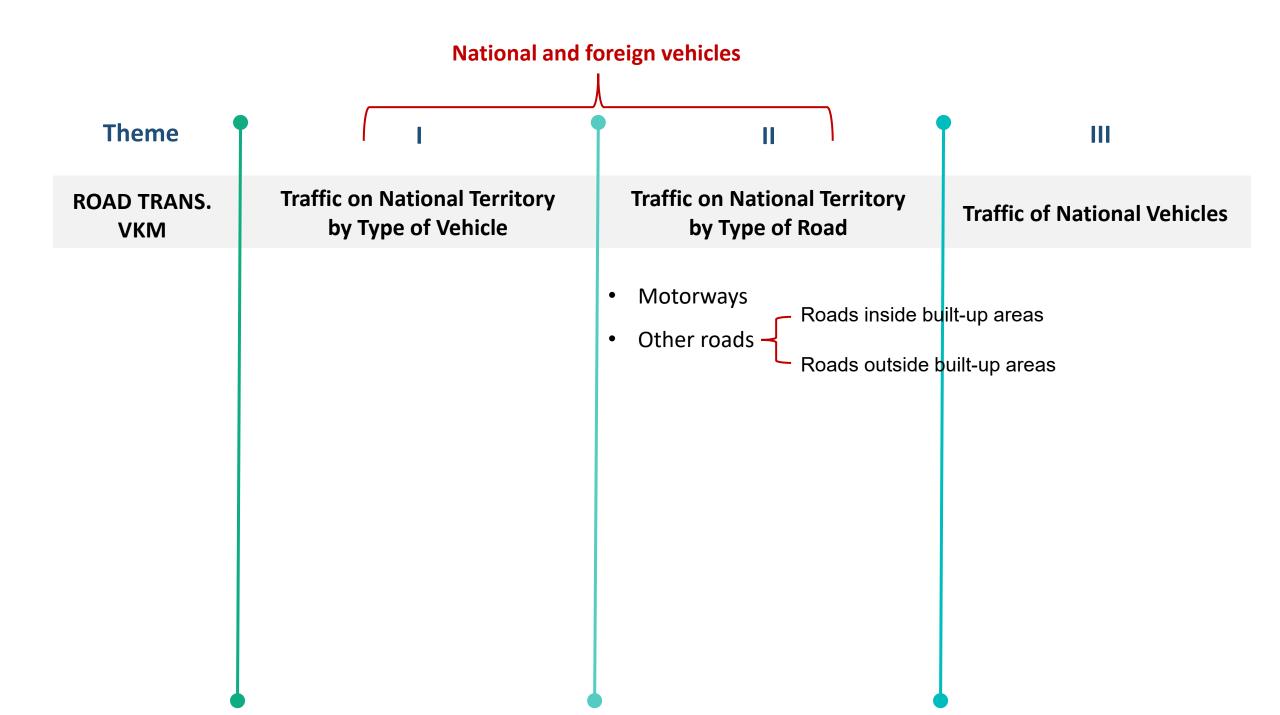
Why Streamlining ROADVKM Theme (3)?

Consistency with the type of fuel in the streamlined ROAD TRANSPORT theme

Current Categorization

- Petrol
- Diesel
- LPG
- CNG
- Bi-Fuel Petrol-LPG
- Bi-Fuel Petrol-CNG
- Petrol-hybrid
- Diesel-hybrid
- Pure electric
- Flex-fuel
- Other fuel
- Unknown





Type of Vehicle x Type of Fuel x Age of Vehicles

Vehicle categories by fuel type			Age of vel	hicle (years,)	
	< 2	2 < 5	5 < 10	10 < 20	> = 20	Total
L1/L2/L3/L4/L5/L6/L7: Motorcycles and mopeds						
M1: Passenger cars Petrol Diesel Bi-fuel Petrol-LPG Bi-fuel Petrol-CNG Petrol-hybrid Diesel-hybrid Pure electric Flex-fuel Unknown						
M2 + M3: Buses, motor coaches, trolleybuses, minibuses and mini coaches • Diesel • Diesel-hybrid • LPG • CNG • Pure electric • Other fuel						

- Resulting in a high number of indicators, but are they useful for policy makers?
- Any inputs on how to streamline this theme?





Thank you!

Fadiah Achmadi

Secretary, WP.6

UNECE

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