



Infrastructure and traffic questionnaires

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- Questionnaire analysis
 - Rail
 - Inland Waterways
 - Inland Waterway ports
 - Roads
 - Seaports
 - Airports
 - Terminal
- Adding maintenance cost/year
- Methodology and reporting in traffic counting



QnRs review and update

- Questionnaire content
 - Infrastructure
 - Traffic
 - Detailed technical data
- Data collection issues
- Railway structure change



Rail - analysis

- Infrastructure technical and operational configuration,
- Condition of infrastructure,
- Traffic and forecasting,
- Bottleneck analysis,
- Accessibility analysis.



Rail – QnRs Analysis

Condition	Length [km]	Nr of tracks	Capacity [per day]	Max axle load [kN]	Max speed [km/h]	Max designed speed [km/h]
Medium	10	1	3	225	45	120
Medium	10	1	3	200	45	120
Medium	10	1	41	200	120	
Medium	20	1				

C.3	Realized Passenger Trains	23
C.4	Realized Freight Trains	9
C.5	Capacity used	80
C.6	Passengers	385,192
C.6a	Passengerkm	
C.7	Tons	589,211
C.7a	Freightkm	
C.8	TEU	
C.9	Unitized	
C.10	Non unitized	
C.11	National traffic	93.4

C.1	Valid From	01/01/2010
C.2	Valid To	31/12/2010
C.3	Realized Passenger Trains	4
C.4	Realized Freight Trains	2494
C.5	Capacity used	

Valid from	Valid to	Passenger trains (trains)	Freight trains (trains)	Passengers	Tons	Capacity used (%)	Units	National (%)	Unitized	Non unitized
1/1/2006	12/31/2006	12	19		293820					
1/1/2007	12/31/2007	8	2		32	300				0
1/1/2008	12/31/2008	8	2							
1/1/2009	12/31/2009	11	0							



IWW Ports – QnRs Analysis

C.3	Throughput	
C.4	TEUs	
C.5	Total turnover	
C.6	Tons loaded	
C.7	Tons unloaded	124072
C.8	Oil tons	124072
C.9	Liquid bulk tons	
C.10	Dry bulk tons	
C.11	General bulk tons	
C.12	TEU tons	
C.13	RoRo	
C.14	Passengers	2452
C.15	RoRos	
C.16	Remarks	



Terminals- QnRs Analysis

Existing Section Traffic			
C.1	Valid From	01.01.2010.	Date
C.2	Valid To	31.12.2010.	Date
C.3	Throughput	0	Vehicles per year
C.4	TEUs	0	
C.5	Tons	0	tons
C.6	Regional Percentage	100.00%	% (Alb/BH/Cr/Greece/Fom/Bulg/Slov/Serbia/Mont/MNK/FR/M)

General Infrastructure Data			
E.1	Total area	26504	m2
E.2	Condition	Very Good	Very Good, Good, Medium, Poor, Very Poor
E.3	Covered Capacity	0	m2
E.4	Silos Capacity	0	m3
E.5	Stack area	0	m2
E.6	Tanks Capacity	0	m3
E.7	Warehouse Capacity	0	m3
E.8	Reefer Capacity	0	number
E.9	Hazardous Goods Cap.	0	m3
E.10	Fridge Capacity	0	m3
E.11	Open Space Cap.	0	m2
E.12	Remarks		Text



Roads - analysis

- Infrastructure technical and operational configuration,
- Condition of infrastructure,
- Traffic and forecasting,
- Bottleneck analysis,
- Accessibility analysis,
- Road Safety analysis.



Roads – QnRs Analysis

SEETO CN description			Submitted data		
Start node	End node	Length	Start node	End node	Length
Name 1	Name 2	6	Name 4	Name 2	6
Name 3	Name 4	3	Name 5	Name 6	3
Name 5	Name 6	14	Name 3	Name 1	14

1. Change of sections name
2. Change of order
3. Change of length

Capacity
1
1
0
10
0
13000
13000



Category	Condition	Length [km]	Nr of lanes	Pavement	Capacity	Max axle load [kN]	Max speed [km/h]	Operating speed [km/h]	Designed speed [km/h]
2 Lane National road	Good	14	2	Unknown	1	100	80	60	
2 Lane National road	Good	14	2	Unknown	1	100	80	60	
2 Lane National road	Good	14	2	Asphaly		100		60	80
2 Lane National road	Good	14	2	Asphaly	10		80	60	80

Traffics								
Valid from	Valid to	PCU	AAADT	Passenger cars	Busses	Passengers	Trucks	Tons
1/1/2006	12/31/2006	8000	8000					7506324
1/1/2007	12/31/2007	8000	8000					7506324
1/1/2008	12/31/2008	8000	8000					7506324
1/1/2009	12/31/2009	0	8000					7506324



Seaports– QnRs Analysis

Vessels	3383	Number of vessels per year
Passengers	315	Number (year)
Remarks	Total vessels 3383 (cargo - 118; cruise- 85; ro-ro - 720; passengers - 2360)	



Inconsistency



Aiports – QnRs Analysis

Main runway lenght [m]	Capacity [per day]	Apron capacity [planes]	Runway capacity [flight/day]	Pass. terminal capacity	Apron area [m2]	Pass. terminal area [m2]	Navigation equipment
3400							
3460		33	400	12000	189300	46000	not property of AP
3400	720	36	720	33600	163349	40000	ILS CAT III, VOR / DME, GP, LLZ BEO, MET Station, VDF, Monitor Antenna
3400	720	36	30	1000	163350	51000	VOR, DME, NDB

Year	Tons
2006	24
2007	15
2008	3
2009	336
2010	14 574



Maintenance cost

- Maintenance cost road
- Maintenance cost rail
- Questionnaires



Methodology and reporting in traffic counting

- Applied methodology in counting traffic
- What are the most common problems?
- Reliability of collected data



Thank you for your attention !

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