

5. Annexes

5.1 Key Performance Indicator of the ScanMed

5.1.1. Capacity Management

KPI	Explanation				Value 2017
	Definition	Calculation features	Reference TT year	Source and processing	
Offered Capacity	Volume of offered corridor capacity at X-11	According to RNE Guidelines: "Key Performance Indicators of Rail Freight Corridors"	2018	PCS and manual processing	16,8
Requested Capacity	Volume of requested corridor capacity at X-8				6,4
Requests	Number of requests in PCS				45
Pre-allocated Capacity	Volume of pre-allocated corridor capacity at X-7,5				5,1
Conflicts	Number of conflicting requests				28

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5.1.2. Operations

KPI	Explanation				Value 2017		
	Definition	Calculation features	Reference TT year	Source and processing			
Punctuality at origin	Percentage of on-time trains at origin with a threshold of 30'	According to RNE Guidelines: "Key Performance Indicators of Rail Freight Corridors" – pages 10-11	2017	TIS and Processing (OBI) and RNE tool	69%		
Punctuality at destination	Percentage of on-time trains at destination with a threshold of 30'	Sum of delay minutes attributed to each delay code (clustered			58%		
Delay causes	Share of delay minutes according to groups of causes	IM/RU/External)/sum of total delays per IM (predefined sample of trains)			IM:	12%	11%
			RU:	61%	59%		
			External:	24%	25%		
			Secondary:	3%	5%		

5.1.3. Market

KPI	Explanation				Value 2017
	Definition	Calculation features	Reference TT year	Source and processing	
Traffic Volumes	Number of running trains monitored in national systems	Number of freight trains crossing defined pairs of border points	2017	National systems, manual processing or TIS (see table)	See table below

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Source	Borders		Trains (n)	
	Points	Southbound		Northbound
		NS	SN	
Bane NOR	Kornsjö	508	468	
TIS	Peberholm	6865	6577	
TIS	Padborg / Flensburg	5603	5363	
ÖBB	Kufstein	11431	12191	
ÖBB	Brennero / Brenner	9481	9970	

5.1.4 Punctuality at border stations and important points

Punctuality 0-30 minutes (%)

- 📄 Source: TIS / OBI
- 📄 Content: all international trains on the corridor which cross at least one corridor border
- 📄 Main traffic Malmö - Maschen and Munich – Verona
- 📄 Important points: Origin, destination, border points, some hand-over points to Terminals
- 📄 Only a few trains run on Northern and Southern part of the corridor (e.g. from Scandinavia to Italy), so there is little direct connection between punctuality at Maschen and Munich (and vice versa)
- 📄 But a part of the trains departing at Munich, Maschen and Malmö, already arrive from other parts in Germany respectively Sweden (partly already delayed)

5.1.5 Punctuality in specific points in both directions

Point	Point type	Punctuality N-S (%)	Remarks
Malmö departure	Origin (for most trains northern part) ¹	87,1	
Peberholm (run through)	Border	87,5	
Flensburg (run through)	Border	71,4	
Maschen Rbf arrival	Destination (for most trains northern part) ²	71,7	
Munich	Origin (for most trains southern part) ³	65,3	Aggregated from different stations
Kufstein arrival	Border	61,6	
Kufstein departure	Border	61,7	
Brennero / Brenner arrival	Border	56,8	
Brennero / Brenner departure	Border	50,0	
Verona QE arrival	Destination	52,8	

¹ Figures contain also trains starting further north in Sweden

² Figures contain also trains continuing further in Germany

³ Figures contain also trains starting elsewhere in Germany

Point	Point type	Punctuality S-N (%)	Remarks
Verona QE departure	Origin	59,3	
Brennero / Brenner arrival	Border	60,3	
Brennero / Brenner departure	Border	43,9	
Kufstein arrival	Border	49,4	
Kufstein departure	Border	51,5	
Munich arrival	Destination (for most trains southern part) ⁴	47,1	Aggregated from different stations
Maschen Rbf departure	Origin (for most trains northern part) ⁵	71,5	
Flensburg (run through)	Border	63,1	
Peberholm (run through)	Border	75,1	
Malmö arrival	Destination (for most trains northern part) ⁶	74,7	

⁴ Figures contain also trains continuing further in Germany

⁵ Figures contain also trains starting elsewhere in Germany

⁶ Figures contain also trains continuing further north in Sweden