

Baltic – Adriatic Rail Freight Corridor 5

Key Performance Indicators

Report 2020





Table of contents

Table of contents.....	2
1 Corridor KPIs overview	3
2 Sources	5
3 Capacity KPIs.....	5
3.1 Total offered PaPs and reserve capacity 2016-2021.....	5
3.2 Offered PaPs 2021 <i>per</i> IM	6
3.3 Other Capacity KPIs	6
3.3.1 Screenshots from Annual report 2019 of Baltic Adriatic RFC: Errore. Il segnalibro non è definito.	
3.3.2 Screenshot from the RNE® website report of Commonly Applicable KPIs Errore. Il segnalibro non è definito.	
4 Market development KPIs	10
4.1 Transported goods and volume of trains	10
5 Operations KPI.....	12
5.1 Overall punctuality	12
5.2 Train performance Reports	12

1 Corridor KPIs overview

Rail Freight Corridor Baltic Adriatic calculate the KPIs that are displayed in the following table. The means of publications are also displayed. In case the KPI is published in the Annual Report, the abstract taken from this document is reported here. As far as the other information tools are concerned, links are provided. For comments to the figure, please refer to relevant sources of information.

Area	Name	Calculation	Means of publication	CommonKPI? (Y/N)
Capacity	Volume of offered capacity (PaPs)	Km*days offered	Annual Report/ RNE Website	Y
	Volume of offered capacity (PaPs)	Number of PaPs	Annual Report	
	Volume of offered capacity per IM	Km*days of PaPs offered per IM	Annual Report	
	Volume of requested capacity (PaPs)	Km*days requested	Annual Report/ RNE Website	Y
	Capacity Requests rate	Ca2/Ca1 (%)	Annual Report	
	Volume of requested capacity/volume of offered capacity per IM	Km*days requested PaPs/Km*days offered PaPs per IM	Annual Report	
	Volume of requests (PaPs)	Number of PCS dossiers submitted	Annual Report/ RNE Website	Y
	Volume of requests (PaPs)	Number of PaPs	Annual Report	
	Volume of pre-booked capacity	Km*days pre-booked	Annual Report/ RNE Website	Y
	Volume of capacity at final offer	Km*days final offer	Annual Report	
	Number of conflicts	Number of PCS dossiers that conflict with at least another dossier	Annual Report/ RNE Website	Y
	Number of conflicts/Volume of requests	Ca5/Ca3 (%)	Annual Report	
	Corridor share of path requests	Volume of PaP requests on RFC5 / total requests for international freight trains crossing RFC5 borders (data are per IM)	Annual Report	

Table 1a – Overview of Baltic-Adriatic RFC KPIs

Area	Name	Calculation	Means of publication	CommonKPI? (Y/N)
Capacity	Ratio of capacity allocated by C-OSS	Volume of allocated capacity at border point via C-OSS/total planned international trains at border points (data are per IM for the same TT year)	Annual Report RNE Website	Y
	Average planned speed of PaPs	average planned speed of PaPs on selected O/Ds along RFC5	Annual Report/ RNE Website	Y
	Volume of offered capacity (RC)	Km*days offered	Annual Report/ RNE Website	Y
	Volume of requested capacity (RC)	Km*days requested	RNE Website	Y
	Volume of requests (RC)	Number of PCS dossiers submitted	RNE Website	Y
Market development	Volume of transported freight (ton)	Cumulated gross ton of freight trains crossing borders of RFC5 (data per border and per year)	Annual Report	
	Number of train runs per border	Number of train runs per border (IMs data)	Annual Report/ RNE Website	Y
Operations	Punctuality at Origin (RFC entry)	RNE TPM monthly, quarterly & yearly KPI report	Yearly: Annual Report/ RNE	Y
			Quarterly Internal use	
			Monthly: CIP	
	Punctuality at Destination (RFC exit)	RNE TPM monthly, quarterly & yearly KPI report	Yearly: Annual Report/ RNE	Y
			Quarterly Internal use	
			Monthly: CIP	
Total amount of minutes per delay reason	Minutes of delays sort by delay reason	Monthly TPM reports in CIP		
Number of train runs	Overall volume of corridor trains (OBI data)	Monthly TPM reports in CIP		

Table 1b- Overview of Baltic-Adriatic RFC KPIs

2 Sources

[Baltic-Adriatic Website](#)

[Baltic Adriatic Annual Report 2020](#)

[Baltic-Adriatic Common KPIs](#) (RNE website)

[TPM reports](#)

3 Capacity KPIs

For comments to the figures: [Baltic Adriatic Annual Report 2020](#)

Most of these KPIs are also displayed in the RNE website: [Baltic-Adriatic Common KPIs](#)

3.1 Total offered PaPs and reserve capacity 2016-2021

TT Year	Offered capacity PaPs yearly TT	Offered Reserve capacity
	(Km*days)	
TT2016		3.8 mln
TT2017	7.589.572	3.899.045
TT2018	8.926.364	3.481.420
TT2019	8.883.093	3.579.208
TT2020	7.141.056	3.431.423
TT2021	6.601.967	3.3 mln
TT2022	5.501.634	

Table 2: Baltic –Adriatic RFC: trend of capacity offer and requests 2016-2021 (source: C-OSS elaboration)

Screenshot from Annual report 2020 of Baltic Adriatic RFC.

For the requested capacity, please refer to the RNE website: [Baltic-Adriatic Common KPIs](#)

3.2 Offered PaPs 2021 per IM

IM	Offered Capacity (Km*Days)
ÖBB-I	1.306.339
PKP-I	1.475.433
RFI	779.088
SŽDC-I	791.045
SZ-I	734.916
ZSR-I	414.814
Total	5.501.635

Table 3 Baltic –Adriatic RFC: capacity delivered by RFC 5 IMs (source: C-OSS elaboration)

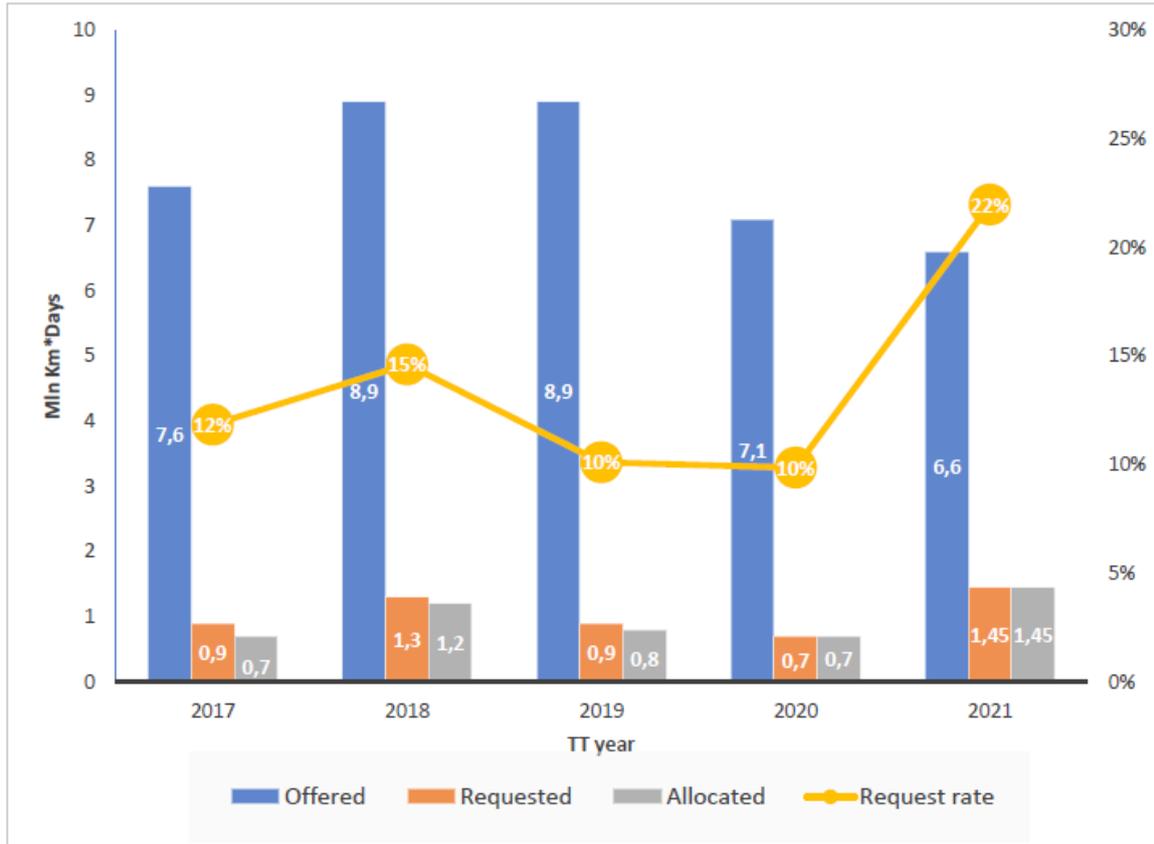
Screenshot from Annual report 2020 of Baltic Adriatic RFC.

3.3 Other Capacity KPIs - Screenshots from Annual report 2020 of Baltic Adriatic RFC

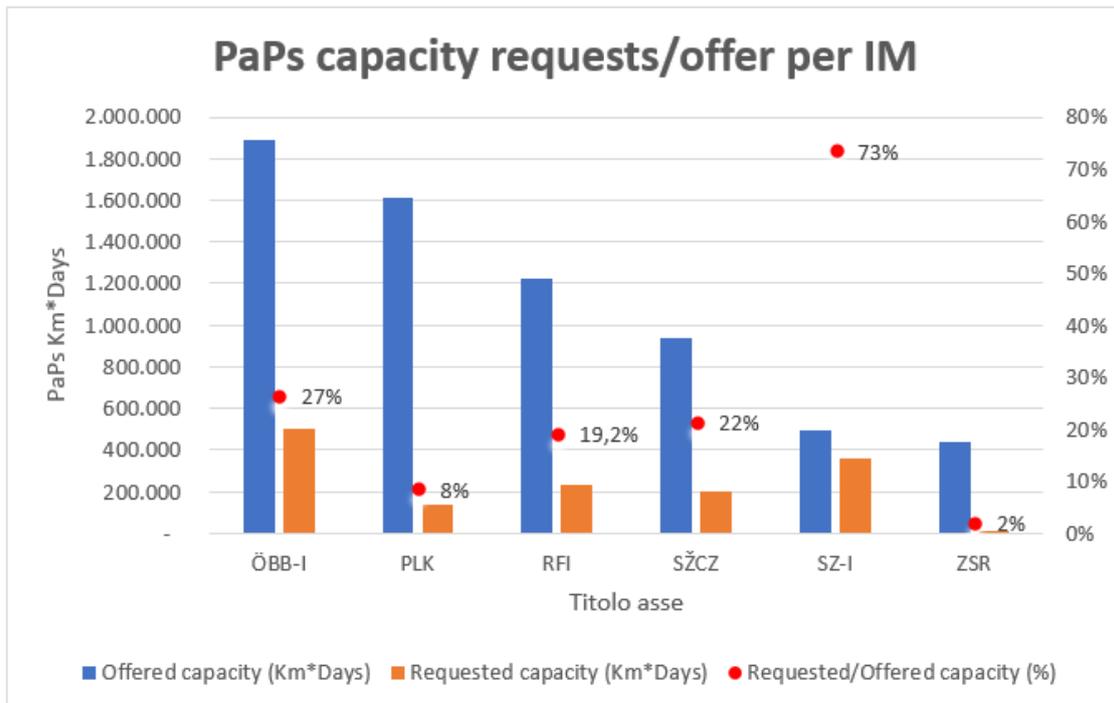
For comments to the figures: [Baltic Adriatic Annual Report 2020](#)

KPIs	TT2020	TT2021	% Δ
Volume of requests	19	23	21%
Number of conflicts	0	0	Na
Number of conflicts/Nr of requests (%)	0%	0%	Na
PaPs offered (a)	44	44	0%
PaPs requested (b)	16	21	21%
PaPs request ratio (b/a)	36%	48%	31%
Volume offered capacity (PaP Km*days) (c)	7.141.056	6.601.967	-7%
Volume of requested capacity (PaP Km*days) (d)	703.794	1.446.036	107%
Capacity request ratio (d/c)	10%	22%	123%
Volume of capacity at pre-booking (PaP Km*days)	703.794	1.446.036	107%
Volume of capacity at final offer (PaP Km*days)	652.106	1.446.036	122%

Table 4 - Baltic –Adriatic RFC: main capacity KPIs regarding PaPs allocation for TT2020 vs TT2019 (source: PCS/OBI/C-OSS elaboration)



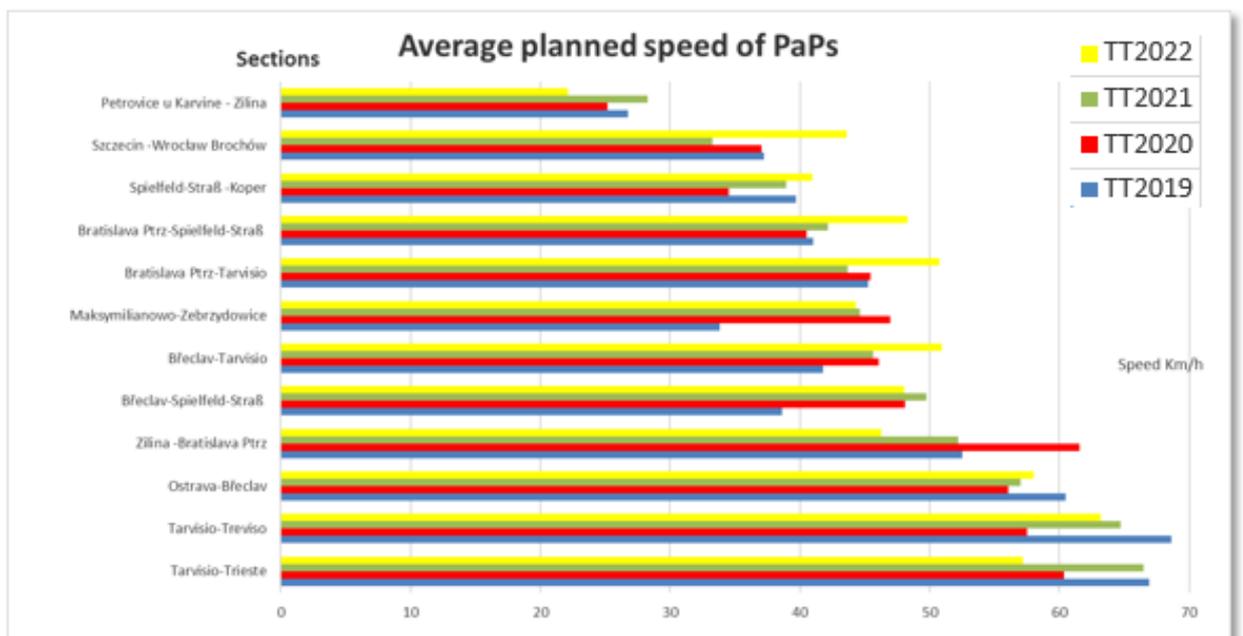
Graphic 4 - Baltic –Adriatic RFC: trends of PaPs capacity volumes KPIs (source: PCS/C-OSS elaboration)



Graphic 5 - Baltic –Adriatic RFC ratio of PaPs capacity requests/offer per IM TT2020 (source: C-OSS elaboration)

Border	TT2020	TT2021
<u>Zebrzydowice- Petrovice u Karviné</u>	19%	16%
<u>Chałupki - Bohumín-Vrbice</u>	12%	4%
<u>Miedzylesie- Lichkov</u>	25%	0%
<u>Mosty u J. - Cadca</u>	5%	0%
<u>Bratislava-Petržalka št. hr. - Kittsee</u>	4%	5%
<u>Devinska NV- Marchegg</u>	0%	0%
<u>Břeclav - Hohenau</u>	4%	6%
<u>Spielfeld-Straß - Šentilj</u>	1%	4%
<u>Villach - Tarvisio B.</u>	7%	3%
<u>Sežana - Villa Opicina</u>	1%	0%

Table 5 – Baltic –Adriatic RFC: ratio between the volume of requests to the C-OSS in yearly TT and the total volume of requests for international freight trains crossing Baltic-Adriatic RFC borders received by Baltic-Adriatic RFC IMS (source: C-OSS elaboration)



Graphic 6 – average planned speed of PaPs on Baltic-Adriatic RFC sections YoY

Border		TT	
		2020	2021
PL-CZ	<u>Petrovice u Karviné - Zebrzydowice</u>	11%	16%
	<u>Bohumín-Vrbice - Chałupki</u>	7%	3%
	<u>Lichkov - Miedzylesie</u>	7%	0%
CZ-SK	<u>Čadca - Mosty u Jabl.</u>	75%	73%
AT-SK	<u>Bratislava-Petržalka - Kittsee</u>	5%	10%
	<u>Devínska Nová Ves - Marchegg</u>	0%	0%
AT-CZ	<u>Břeclav - Hoenau</u>	4%	10%
AT-SLO	<u>Spielfeld-Straß - Šentilj</u>	2%	4%
IT-AT	<u>Villach - Tarvisio B.</u>	6%	8%
IT-SLO	<u>Sežana - Villa Opicina</u>	9%	8%

Table 6 Baltic–Adriatic RFC: ratio of capacity allocated by the RFC 5 C-OSS in yearly TT2019 compared to the total volume of planned trains crossing the RFC 5 borders (source: C-OSS elaboration)

4 Market development KPIs

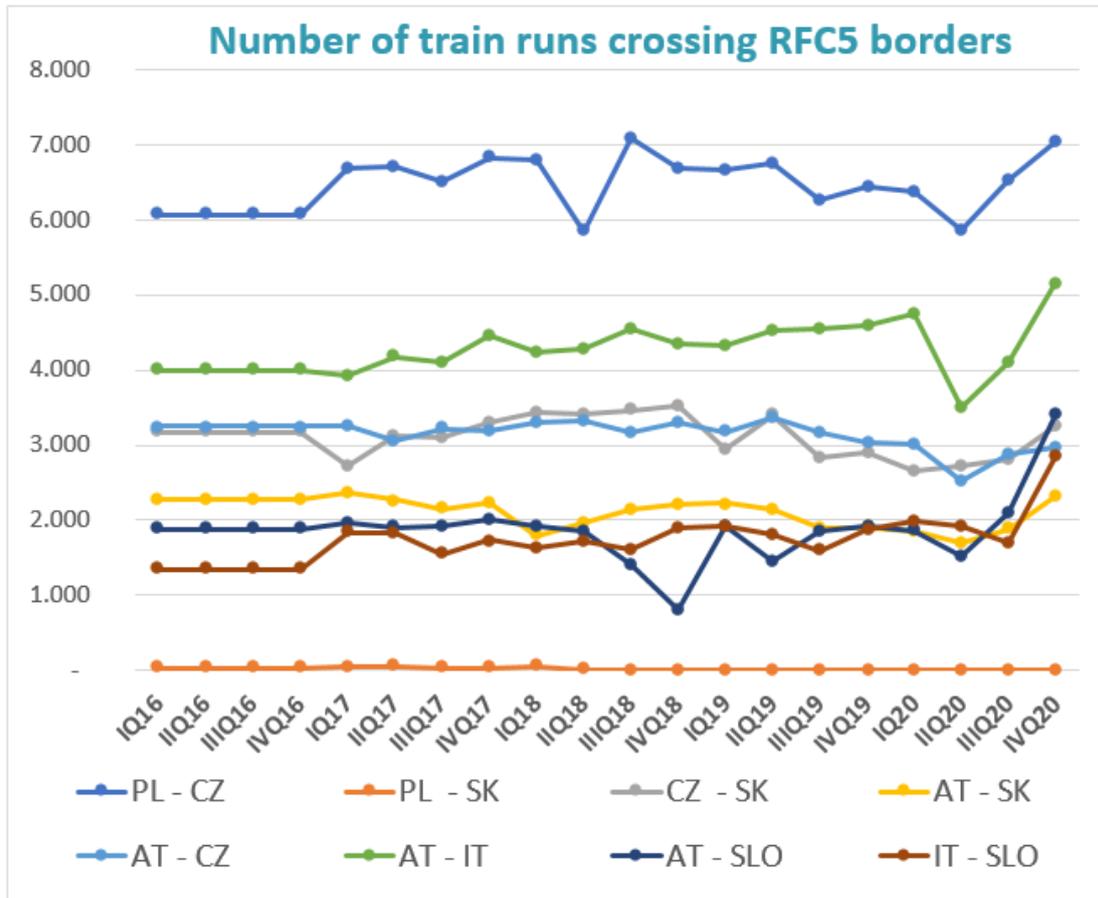
4.1 Transported goods and volume of trains

For comments to the figures: [Baltic Adriatic Annual Report 2020](#)

Table and screenshot from Annual report 2020 of Baltic Adriatic RFC:

Borders	2020	Δ YoY	2019	Δ YoY	2018	Δ YoY	2017
Zebrzydowice- Petrovice u Karviné	8.725.896	-2%	8.908.320	-22%	11.494.114	20%	9.539.235
Petrovice u Karviné - Zebrzydowice	5.858.587	-5%	6.136.408	-20%	7.686.768	6%	7.219.719
Chałupki - Bohumín-Vrbice	9.207.178	5%	8.787.399	4%	8.416.864	-19%	10.396.285
Bohumín-Vrbice - Chałupki	5.852.496	22%	4.812.797	9%	4.398.782	-9%	4.810.584
Chałupki - Bohumín hl n	526.020		na		na		na
Bohumín hl n - Chałupki	411.475		na		na		na
Międzylesie- Lichkov	446.365	-23%	582.260	-15%	682.410	9%	626.806
Lichkov - Międzylesie	377.739	15%	328.976	-18%	401.051	-12%	457.152
Total PL - CZ	31.405.756	6%	29.556.160	-11%	33.079.989	0%	33.049.781
Zwardoń- Skalité št. hr.	0	-100%	3.099	-75%	12.433	-54%	26.740
Skalité št. hr. - Zwardoń	0	-100%	2.276	-94%	40.667	-55%	90.779
Total PL - SK	-	-100%	5.375	-90%	53.100	-55%	117.519
Mosty u J. - Cadca	7.036.580	-9%	7.709.039	-18%	9.411.474	12%	8.422.170
Cadca - Mosty u J.	9.462.410	-6%	10.103.240	-10%	11.209.225	11%	10.061.514
Total CZ - SK	16.498.990	-7%	17.812.279	-14%	20.620.699	12%	18.483.684
Bratislava-Petržalka št. hr. - Kittsee	4.782.738	0%	4.799.019	2%	4.682.173	-13%	5.354.112
Kittsee- Bratislava-Petržalka št. hr.	2.857.870	-5%	2.998.704	8%	2.766.623	-9%	3.040.644
Devinska NV- Marchegg	32.359	-78%	146.024	-66%	423.452	-11%	475.778
Marchegg - Devinska NV	-	-100%	85.278	-68%	263.519	-36%	414.978
Total AT - SK	7.672.967	-4%	8.029.025	-1%	8.135.767	-12%	9.285.512
Břeclav - Hoenau	8.374.719	-12%	9.570.330	-5%	10.099.331	2%	9.876.046
Hoenau-Břeclav	5.242.868	-9%	5.755.701	-4%	6.007.661	6%	5.688.682
Total CZ - AT	13.617.587	-11%	15.326.031	-5%	16.106.992	3%	15.564.728
Villach - Tarvisio B.	11.517.443	2%	11.309.414	0%	11.308.248	4%	10.834.701
Tarvisio B.-Villach	8.993.194	-1%	9.119.444	3%	8.847.903	8%	8.164.507
Total AT - IT	20.510.637	0%	20.428.858	1%	20.156.151	6%	18.999.208
Spielfeld-Straß - Šentilj	3.964.189	26%	3.146.909	19%	2.635.034	-23%	3.443.596
Šentilj - Spielfeld-Straß	5.418.599	23%	4.400.525	25%	3.518.503	-26%	4.738.141
Total AT - SLO	9.382.788	24%	7.547.434	23%	6.153.537	-25%	8.181.737
Sežana - Villa Opicina	6.627.630	19%	5.581.596	14%	4.913.341	2%	4.811.808
Villa Opicina - Sežana	2.625.235	29%	2.042.835	12%	1.823.427	4%	1.760.704
Total IT - SLO	9.252.865	21%	7.624.431	13%	6.736.768	2%	6.572.512

Table 2 - trend of volume of cumulated gross tons transported by rail across Baltic-Adriatic RFC borders.



Graphic 7 - Baltic-Adriatic RFC: volume of trains running along Baltic-Adriatic RFC borders (RFC5 IIMs data)

5 Operations KPI

5.1 Overall punctuality

For comments to the figures: [Baltic Adriatic Annual Report 2020](#)

	Punctuality 15 min.	Punctuality30 min.
RFC ENTRY	45%	50%
RFC EXIT	33%	38%

Table 7: yearly average punctuality figures (source TIS)

5.2 Train performance Reports

Baltic Adriatic RFC produces:

- Annual punctuality KPIs : see above
- Quarterly and monthly reports for internal use
- Summary monthly reports which are published on CIP and can be downloaded freely: click directly on the [CIP page](#) or on our [website](#) to know more