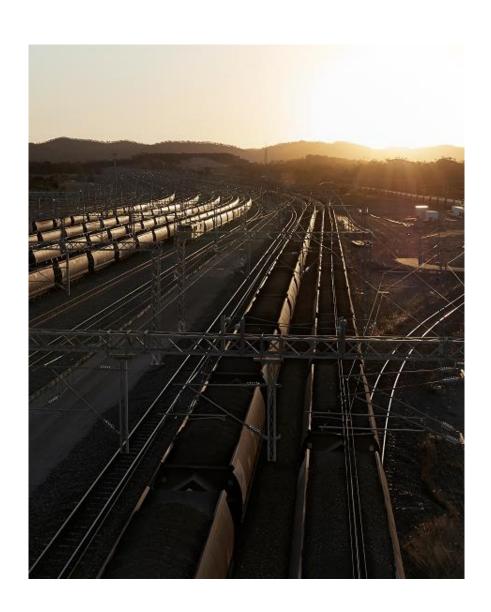


# **Aurizon Network Public Quarterly Performance Report**

4th Quarter 2018/19 **April - June 2019** 



# Aurizon Network Performance Measures - Q4 2018/19 Data

This report is published in compliance with Aurizon Network's obligations under clause 10.3.4 of its 2017 Access Undertaking.

Performance Measure 1 – Clause 10.3.4(b)(i)-(ii)

		10.0.1(0)(1)					С	oal					Bulk Minerals &		Long E	istance
	On Time Perform	mance	Black	water	Goor	nyella	Мс	ura	New	lands	G/	APE	Fre	ight	Pass	enger
			#	%	#	%	#	%	#	%	#	%	#	%	#	%
	Services that read	th their destination on time	941	44.68%	1,183	40.27%	118	28.10%	203	39.57%	214	34.85%	302	53.93%	92	77.31%
Apr 2019	Services that do	Due primarily Aurizon Network	424	20.13%	656	22.33%	91	21.67%	72	14.04%	119	19.38%	31	5.54%	5	4.20%
\pr.	not reach their destination on-	Due primarily Railway Operator	375	17.81%	755	25.70%	144	34.29%	97	18.91%	170	27.69%	93	16.61%	13	10.92%
1	time	Due primarily to other matters	366	17.38%	344	11.71%	67	15.95%	141	27.49%	111	18.08%	134	23.93%	9	7.56%
	Services that read	th their destination on time	1,115	47.41%	1,011	33.79%	230	47.23%	248	51.56%	323	42.72%	367	57.25%	109	85.83%
2019	Services that do	Due primarily Aurizon Network	439	18.66%	835	27.91%	78	16.02%	91	18.92%	176	23.28%	34	5.30%	4	3.15%
May 3	not reach their destination on-	Due primarily Railway Operator	372	15.82%	825	27.57%	125	25.67%	55	11.43%	185	24.47%	116	18.10%	5	3.94%
_	time	Due primarily to other matters	426	18.11%	321	10.73%	54	11.09%	87	18.09%	72	9.52%	124	19.34%	9	7.09%
	Services that read	th their destination on time	1,168	51.03%	1,373	40.35%	364	80.18%	251	54.57%	352	46.01%	332	53.63%	89	80.91%
2019	Services that do	Due primarily Aurizon Network	379	16.56%	697	20.48%	33	7.27%	79	17.17%	197	25.75%	48	7.75%	4	3.64%
Jun	not reach their	Due primarily Railw ay Operator	351	15.33%	905	26.59%	33	7.27%	79	17.17%	145	18.95%	118	19.06%	7	6.36%
	destination on- time	Due primarily to other matters	391	17.08%	428	12.58%	24	5.29%	51	11.09%	71	9.28%	121	19.55%	10	9.09%

Performance Measure 2 – Clause 10.3.4(b)(iii)

	Total Number of Train Services			Coal			Bulk Minerals &	Long Distance
	Total Nulliber of Traili Services	Blackwater	Goonyella	Moura	Newlands	GAPE	Freight	Passenger
Apr 19	Train services for April 2019	2,106	2,938	420	513	614	560	119
May 19	Train services for May 2019	2,352	2,992	487	481	756	641	127
Jun 19	Train services for June 2019	2,289	3,403	454	460	765	619	110

Performance Measure 3 – Clause 10.3.4(c)

	Transit Time Delay Variance			Coal			Bulk Minerals &	Long Distance
	(Minutes per 100 Train KMs)	Blackwater	Goonyella	Moura	Newlands	GAPE	Freight	Passenger
<b>o</b>	Delays attributable to Aurizon Network	8.11	8.32	17.48	-4.49	-4.41	-2.11	-1.44
Apr 18	Delays attributable to Railw ay Operators	12.11	14.58	27.51	37.71	22.28	16.88	0.26
<b>∀</b>	Unallocated delays	-0.09	-0.85	-6.52	56.69	17.07	17.95	0.73
19	Delays attributable to Aurizon Network	-5.38	12.65	1.82	-2.62	2.05	-1.31	-0.96
May 1	Delays attributable to Railw ay Operators	10.25	16.98	10.50	13.23	10.69	23.27	-0.22
Σ	Unallocated delays	-0.87	-3.43	-4.78	14.06	2.38	10.45	1.15
19	Delays attributable to Aurizon Network	-4.01	7.43	-5.47	-3.15	-0.23	-0.09	-1.88
Jun 1	Delays attributable to Railw ay Operators	8.36	16.92	6.35	7.81	9.01	15.48	1.15
7	Unallocated delays	0.11	-1.20	0.73	4.10	0.64	4.46	0.68

Performance Measure 4 – Clause 10.3.4(d)

	ioe incasure 4 – Gladse 10.5.4(d)					C	oal					Bulk Minerals &		Long Distance	
	Train Cancellations	Black	Blackwater		Goonyella		ura	Newlands		GAPE		Fre	ight	Pass	enger
		#	%	#	%	#	%	#	%	#	%	#	%	#	%
<b>o</b>	Cancellations attributable to Aurizon Network	145	5.85%	19	0.57%	27	4.62%	8	1.23%	8	1.00%	0	0.00%	0	0.00%
Apr 1	Cancellations attributable to Railw ay Operators	115	4.64%	164	4.94%	43	7.35%	73	11.27%	49	6.09%	229	27.13%	0	0.00%
∢	Unallocated cancellations	112	4.52%	200	6.02%	95	16.24%	54	8.33%	133	16.54%	55	6.52%	10	7.75%
6	Cancellations attributable to Aurizon Network	5	0.19%	24	0.72%	3	0.44%	6	0.95%	7	0.85%	0	0.00%	0	0.00%
May 1	Cancellations attributable to Railway Operators	123	4.75%	171	5.13%	25	3.68%	15	2.37%	24	2.92%	205	23.84%	0	0.00%
Σ	Unallocated cancellations	107	4.14%	147	4.41%	164	24.15%	131	20.70%	35	4.26%	14	1.63%	2	1.55%
6	Cancellations attributable to Aurizon Network	13	0.50%	59	1.54%	15	2.81%	15	2.82%	36	4.20%	0	0.00%	0	0.00%
Jun 1	Cancellations attributable to Railway Operators	130	4.96%	266	6.93%	32	5.99%	35	6.59%	35	4.08%	138	17.02%	2	1.57%
<u></u>	Unallocated cancellations	187	7.14%	109	2.84%	33	6.18%	21	3.95%	22	2.56%	54	6.66%	15	11.81%

Performance Measure 5 – Clause 10.3.4(e)

	Major reportable safety incidents reported to the Safety Regulator	Blackwater	Goonyella	Moura	<b>N</b> ew lands	GAPE
Apr 19	Number of instances	0	0	0	0	0
May 19	Number of instances	0	0	0	0	0
Jun 19	Number of instances	0	0	0	0	0

Performance Measure 6 - Clause 10.3.4(f)(i)

	Temporary Speed Restrictions	Blackwater	Goonyella	Moura	New lands	GAPE
A 40	Average track under temporary restriction (km)	54.3	23.0	22.6	4.5	0.0
Apr 19	Average track under temporary restriction (%)	3.90%	1.96%	7.46%	1.62%	0.00%
May 40	Average track under temporary restriction (km)	28.2	36.3	26.0	5.8	0.0
May 19	Average track under temporary restriction (%)	2.03%	3.08%	8.57%	2.10%	0.00%
Jun 19	Average track under temporary restriction (km)	26.9	31.0	31.6	3.7	0.0
	Average track under temporary restriction (%)	1.93%	2.63%	10.41%	1.33%	0.06%

Performance Measure 7 - Clause 10.3.4(f)(ii)

	Overall Track Condition Index	Blackwater	Goonyella	Moura	<b>N</b> ew lands
Apr 19	Monthly Track Condition Index	29.96	28.07	32.54	25.61
May 19	Monthly Track Condition Index	29.96	28.07	32.54	25.61
Jun 19	Monthly Track Condition Index	29.96	28.07	32.54	25.61

Performance Measure 8 – Clause 10.3.4(g)(i)-(iv)

	Coal Carrying Train Service Performance			Coal		
	('000)	Blackwater	Goonyella	Moura	Newlands	GAPE
	Gross Tonne Kilometres (GTK)	3,096,128	3,249,923	227,021	234,686	716,353
19	Net Tonnes (NT)	5,329	10,035	930	1,162	1,395
Apr	Net Tonne Kilometres (NTK)	1,931,209	2,037,840	142,008	144,870	444,089
	Electric Gross Tonne Kilometres (EGTK)	2,415,916	3,048,491	0	0	0
	Gross Tonne Kilometres (GTK)	3,465,487	3,376,499	275,811	222,797	895,013
, 19	Net Tonnes (NT)	6,131	10,408	1,063	1,125	1,743
May	Net Tonne Kilometres (NTK)	2,174,920	2,126,656	168,935	138,332	555,335
	Electric Gross Tonne Kilometres (EGTK)	2,739,893	3,157,897	0	0	0
	Gross Tonne Kilometres (GTK)	3,337,462	3,863,028	274,104	220,118	871,229
19	Net Tonnes (NT)	5,757	11,939	1,040	1,069	1,709
Jun	Net Tonne Kilometres (NTK)	2,078,745	2,437,267	165,257	136,514	540,715
	Electric Gross Tonne Kilometres (EGTK)	2,600,305	3,627,973	0	0	0

Performance Measure 9 – Clause 10.3.4(g)(v)

Below Rail Transit Time %			Coal		
below Rail HallSit Hille 76	Blackwater	Goonyella	Moura	<b>N</b> ew lands	GAPE
Apr 19 Average BRTT % for April 2019	113.94%	105.75%	128.59%	127.28%	127.20%
May 19 Average BRTT % for May 2019	99.34%	112.47%	122.58%	124.51%	130.40%
Jun 19 Average BRTT % for June 2019	100.41%	110.42%	122.63%	116.48%	123.59%

Performance Measure 10 - Clause 10.3.4(g)(vi)-(viii) & Performance Measure 11 - Clause 10.3.4(h)

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	Coal Train Paths	Blackwater	Goonyella	Moura	New lands (inc GAPE)
	Train paths available for coal carrying services	3,012	2,684	928	1,274
	Train paths contracted for coal carrying services	1,383	2,276	384	1,129
9	Train paths scheduled by coal carrying services	1,652	2,214	390	968
April 2019	Train paths used by coal carrying services	1,414	1,973	281	754
Apr	Train paths used for planned maintenance	768	316	28	166
	Train paths used for unplanned maintenance	50	0	0	0
	Trains paths available but not used (%)	53.05%	26.49%	69.72%	40.82%
	Train paths available for coal carrying services	3,192	2,524	878	1,364
	Train paths contracted for coal carrying services	1,397	2,276	384	1,129
19	Train paths scheduled by coal carrying services	1,724	2,223	453	970
May 2019	Train paths used by coal carrying services	1,579	2,006	325	827
Maj	Train paths used for planned maintenance	660	470	112	116
	Train paths used for unplanned maintenance	48	6	0	0
	Trains paths available but not used (%)	50.53%	20.52%	62.98%	39.37%
	Train paths available for coal carrying services	3,182	2,920	930	1,242
	Train paths contracted for coal carrying services	1,395	2,276	384	1,129
019	Train paths scheduled by coal carrying services	1,746	2,558	356	926
June 2019	Train paths used by coal carrying services	1,537	2,281	304	821
Jun	Train paths used for planned maintenance	582	20	20	164
	Train paths used for unplanned maintenance	48	18	0	6
	Trains paths available but not used (%)	51.70%	21.88%	67.31%	33.90%

#### Performance Measure 12 – Clause 10.3.4(i)

Osotostad Tusin Batha	В	lackwate	er		Goonyell	a		Moura		1	<b>le</b> w land:	S	GAPE		
Contested Train Paths	Apr 19	May 19	Jun 19	Apr 19	May 19	Jun 19	Apr 19	May 19	Jun 19	Apr 19	May 19	Jun 19	Apr 19	May 19	Jun 19
Number of contests	10	21	10	4	35	24	0	0	0	3	9	21	6	11	5
Contested Train Path Principles	В	lackwate	er	(	Goonyell	a		Moura		1	<b>l</b> ew land:	5		GAPE	
Schedule G Clause 8.3	Apr 19	May 19	Jun 19	Apr 19	May 19	Jun 19	Apr 19	May 19	Jun 19	Apr 19	May 19	Jun 19	Apr 19	May 19	Jun 19
Clause 8.3 (i)	10%														
Clause 8.3 (ii)	70%	86%	100%	100%	63%	100%				100%	89%	100%	100%	100%	100%
Clause 8.3 (iii)															
Clause 8.3 (iv)					3%						11%				
Clause 8.3 (v)		14%			34%										
Clause 8.3 (vi)	20%														
Clause 8.3 (vii)															
Clause 8.3 (viii)															
Clause 8.3 (ix)															

(a) Agreed Allotted Time Thresholds for On-Time Arrival at destination are;

- 30 minutes for coal services
- 60 minutes for bulk minerals (other than coal) and freight services 30 minutes for long distance passenger services.

The performance measures contained in this report, have been prepared in accordance with clause 10.3.4 of the 2017 Access Undertaking.

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#### **Performance Measures**

Performance Measure 1 - Clause 10.3.4(b)(i-ii):

On Time Running – Information on the number and reliability of Train Services that have operated each Month in the relevant quarter

This performance measure reports the number and percentage of Train Services that reach their destination point within the allotted time threshold. Train Services that reach their destination point not On Time includes any services terminated during their journey.

Each train service is scheduled to undertake its journey at a specified time. The schedule for all train services on a particular day is called the Daily Train Plan (DTP).

This indicator demonstrates the condition of a service at the completion of its journey and does not consider if a service has changed from on time to late or vice versa during its journey.

Services that do not reach their destination on time (i.e. within the Allotted Time Threshold) are classified by responsibility into one of three groups: cause attributed primarily to Aurizon Network, cause attributed primarily to the Railway Operator or thirdly, cause unallocated or not primarily attributable to Aurizon Network or the Railway Operator.

The cancellation reason for a terminated service will be sorted accordingly by the same responsibility category.

Performance Measure 2 - Clause 10.3.4(b)(iii):

Total Number of Train Services – the total number of train services run each Month in the relevant quarter

This performance measure reports the total number of Train Services run in the Subject Quarter. It is the combined total of Train Services that arrive On Time and Train Services that arrive not On Time.

Performance Measure 3 - Clause 10.3.4(c)(i-iii):

Transit Time Delay – Information on the transit time delay of Train Services that have operated each Month in the relevant quarter

This performance measure reports the average delay of train services. Delays include any variance to schedule. The delay is divided by 100 train kilometres in recognition that a 10 minute delay would be more significant to a short train journey than, for example, a two day train journey. Dividing the delay by 100 train kilometres enables this measure to take account of journey distance.

This indicator covers delays attributed to Above Rail Delays, Below Rail Delays and Unallocated Delays.

Performance Measure 4 - Clause 10.3.4(d)(i-iii):

The number and percentage of train services cancelled that can be directly attributable to Aurizon Network as Railway manager, a Railway Operator or another reason or which cannot be directly attributable to either party

This performance measure reports the number and percentage of train services that are cancelled, separately identifying the cause of the cancellation (i.e. whether it is directly attributable to Aurizon Network as Railway Manager, a Railway Operator, or due to a reason that cannot be clearly assigned as directly attributable to a Railway Operator or to Aurizon Network as Railway Manager).

Terminated services are not captured within this metric (OTR)

Performance Measure 5 - Clause 10.3.4(e):

Information on the safety of Train Services, being the number of major reportable incidents as reported to the Safety regulator in relation to train services that operated each Month in the relevant quarter

This performance measure reports the number of major reportable safety incidents in relation to Train Services as reported to the safety regulator during the relevant Quarter. It does not include all safety incidents reportable to the safety regulator, but only those directly related to train services. This measure also includes those reported incidents that once investigated, are downgraded and no longer considered a major incident.

Performance Measure 6 - Clause 10.3.4(f)(i):

The average percentage and kilometres of Aurizon Network track under temporary speed restrictions each Month in the relevant quarter

This performance measure reports the average percentage and kilometres of Aurizon Network Track (in the central Queensland coal region) under temporary speed restrictions for the relevant Quarter. Temporary speed restrictions are put in place to ensure levels of operational safety are maintained during, for example, track maintenance work.

Performance Measure 7 - Clause 10.3.4(f)(ii):

The Overall Track Quality Index (OTCI) for Aurizon Network's Below Rail network for each Coal System each Month in the relevant quarter

This index reports on the quality of Aurizon Network's track by individual Coal System. The lower the indicator, the better the track quality.

The OTCI should only be used as an indicator of abnormality. A single number which is an average over a defined length cannot reflect all the variations within a coal system.

Performance Measure 8 - Clause 10.3.4(g)(i-iv):

Coal Carrying Train Service Performance – Information on the tonnage performance of coal carrying train services each Month in the relevant quarter

This performance measure reports the aggregate gross tonne kilometres, net tonnes, net tonne kilometres and electric gross tonne kilometres for each individual coal system. It is a measure of throughput for each coal system.

Performance Measure 9 - Clause 10.3.4(g)(v)

Average Below Rail Transit Time % - The sum of the relevant section run times for that track section divided by the Section run times as specified in the Train Service Entitlement

This performance measure reports the average Below Rail Transit Time percentage for each individual coal system.

The Below Rail Transit Time is calculated as

- The relevant nominated section run times in the direction of travel as specified in the Train Service Entitlement;
- b) Identified Below Rail Delays;
- Time taken in crossing other trains to the extent that such time is not contributed to by Above Rail causes or Force Majeure Events; and
- d) Delays due to Operational Constraints directly caused by the activities of Aurizon Network maintaining the Rail Infrastructure or due to a fault or deficiency in the Rail Infrastructure provided such delays are not contributed to by Above Rail causes or Force Majeure Events.

The percentage is calculated by dividing the Below Rail Transit Time by the relevant nominated section running times (in the direction of travel) as specified in the Train Service Entitlement.

Performance Measure 10 - Clauses 10.3.4(g)(vi-viii)

Coal Carrying Train Paths – Information on train paths for each coal system in the Month for the relevant quarter

This performance measure reports on a variety of train path information to ascertain network utilisation and capacity. It also provides information to determine the impact of planned and unplanned maintenance on the network.

Performance Measure 11 - Clauses 10.3.4(h)(i-iv)

Aggregate Train Paths – Information on Train Paths scheduled or used for planned or unplanned maintenance activity and percentage of Train Paths available but not used

This performance measure reports on a variety of train path information to ascertain network utilisation and capacity. It also provides information to determine the impact of planned and unplanned maintenance on the network.

Planned Maintenance = Maintenance activities which utilise train paths which are scheduled outside 21 days from Day of Operations

Unplanned Maintenance = Maintenance activities which utilise train paths which are scheduled within 21 days from Day of Operations

Performance Measure 12 - Clauses 10.3.4(i)

**Outcome of the Contested Train Path decision making process** 

This performance measure shows the outcome of the Contested Train Path decision making process contained in Clause 8 of Schedule G in respect of:

- (i) The number of contests run each Month; and
- (ii) The number and percentage of Train Paths allocated under each of the Contested Train Path principles set out in clause 8.3 of Schedule G

### **Definitions**

Capitalised terms have the same meaning as capitalised terms defined in the 2017 Access Undertaking, unless otherwise defined within this document.

**Train Control** means the management and monitoring of train movements on Aurizon Network's track as well as the allocation and scheduling of train paths.

**Train Kilometres** means the actual distance travelled by a train service.

Transit Time means the time schedule for the relevant Train Service type from Origin to Destination or from Destination to Origin which comprises the relevant Sectional Running Times, delay for passing of other Trains on the Nominated Network, Operational Constraints relating to the Infrastructure, Operational Constraints attributable to a Railway Operator, Force Majeure Events and Planned Dwell Times

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#### References

Please refer to the 2017 Access Undertaking. A copy of this document is available at

 $\frac{\text{http://www.aurizon.com.au/what-we-deliver/network/network-downloads}}{\text{downloads}}$ 

# **Aurizon Network Performance Measures - Historical Data**

The below information is data of the corresponding quarter of the preceding Year. The information below is aligned with the calculations used within the UT4 & UT5 metrics.

Performance Measure 1 – Clause 10.3.4(b)(i)-(ii)

							Co	oal					Bulk Mir	nerals &	Long Distance	
	On Time Perform	mance (#)	Black	water	Goor	nyella	Мо	ura	New	ands	GA	\PE	Fre	ight	Passe	enger
			2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019
	Services that read	ch their destination on time	863	941	895	1,183	192	118	251	203	267	214	337	302	95	92
Apr	Services that do	Due primarily Aurizon Network	320	424	393	656	70	91	109	72	178	119	60	31	4	5
¥	not reach their destination on-	Due primarily Railway Operator	430	375	880	755	127	144	53	97	166	170	80	93	12	13
	time	Due primarily to other matters	408	366	261	344	62	67	33	141	74	111	157	134	11	9
	Services that reach their destination on time		940	1,115	1,082	1,011	153	230	209	248	258	323	319	367	108	109
<u>≥</u>	Services that do	Due primarily Aurizon Network	382	439	537	835	105	78	114	91	168	176	56	34	9	4
Мау	not reach their destination on-	Due primarily Railway Operator	516	372	1,005	825	120	125	82	55	156	185	78	116	10	5
	time	Due primarily to other matters	402	426	496	321	53	54	65	87	84	72	143	124	1	9
	Services that read	ch their destination on time	963	1,168	1,155	1,373	200	364	226	251	334	352	320	332	97	89
⊆	Services that do	Due primarily Aurizon Network	403	379	637	697	104	33	104	79	200	197	54	48	4	4
Jun	not reach their destination on-	Due primarily Railw ay Operator	478	351	1,118	905	123	33	71	79	172	145	90	118	11	7
	time	Due primarily to other matters	366	391	299	428	55	24	35	51	70	71	123	121	5	10

Performance Measure 1 – Clause 10.3.4(b)(i)-(ii)

		10.0. I(D)(I) (II)					C	oal					Bulk Mir	nerals &	Long D	istance
	On Time Perfor	mance (%)	Black	water	Goor	nyella	Мо	ura	New	ands	GA	PE	Fre	ight	Pass	enger
			2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019
	Services that read	ch their destination on time	42.70%	44.68%	36.85%	40.27%	42.57%	28.10%	56.28%	39.57%	38.98%	34.85%	53.15%	53.93%	77.87%	77.31%
<u> </u>	Services that do	Due primarily Aurizon Network	15.83%	20.13%	16.18%	22.33%	15.52%	21.67%	24.44%	14.04%	25.99%	19.38%	9.46%	5.54%	3.28%	4.20%
Apr	not reach their destination on-	Due primarily Railway Operator	21.28%	17.81%	36.23%	25.70%	28.16%	34.29%	11.88%	18.91%	24.23%	27.69%	12.62%	16.61%	9.84%	10.92%
	time	Due primarily to other matters	20.19%	17.38%	10.75%	11.71%	13.75%	15.95%	7.40%	27.49%	10.80%	18.08%	24.76%	23.93%	9.02%	7.56%
	Services that read	ch their destination on time	41.96%	47.41%	34.68%	33.79%	35.50%	47.23%	44.47%	51.56%	38.74%	42.72%	53.52%	57.25%	84.38%	85.83%
>	Services that do	Due primarily Aurizon Network	17.05%	18.66%	17.21%	27.91%	24.36%	16.02%	24.26%	18.92%	25.23%	23.28%	9.40%	5.30%	7.03%	3.15%
Мау	not reach their	Due primarily Railw ay Operator	23.04%	15.82%	32.21%	27.57%	27.84%	25.67%	17.45%	11.43%	23.42%	24.47%	13.09%	18.10%	7.81%	3.94%
	destination on- time	Due primarily to other matters	17.95%	18.11%	15.90%	10.73%	12.30%	11.09%	13.83%	18.09%	12.61%	9.52%	23.99%	19.34%	0.78%	7.09%
	Services that read	ch their destination on time	43.57%	51.03%	35.99%	40.35%	41.49%	80.18%	51.83%	54.57%	43.04%	46.01%	54.51%	53.63%	82.91%	80.91%
_	Services that do	Due primarily Aurizon Network	18.24%	16.56%	19.85%	20.48%	21.58%	7.27%	23.85%	17.17%	25.77%	25.75%	9.20%	7.75%	3.42%	3.64%
Jun	not reach their	Due primarily Railway Operator	21.63%	15.33%	34.84%	26.59%	25.52%	7.27%	16.28%	17.17%	22.16%	18.95%	15.33%	19.06%	9.40%	6.36%
	destination on- time	Due primarily to other matters	16.56%	17.08%	9.32%	12.58%	11.41%	5.29%	8.03%	11.09%	9.02%	9.28%	20.95%	19.55%	4.27%	9.09%

Performance Measure 2 - Clause 10.3.4(b)(iii)

						Co	oal					Bulk Mir	nerals &	Long D	istance
	Total Number of Train Services	Black	water	Goor	ıyella	Мо	ura	Newl	ands	GA	PE	Fre	ight	Passe	enger
		2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019
Apr	Train services for April 2019	2,021	2,106	2,429	2,938	451	420	446	513	685	614	634	560	122	119
May	Train services for May 2019	2,240	2,352	3,120	2,992	431	487	470	481	666	756	596	641	128	127
Jun	Train services for June 2019	2,210	2,289	3,209	3,403	482	454	436	460	776	765	587	619	117	110

Performance Measure 3 – Clause 10.3.4(c)

						Co	al					Bulk Mir	nerals &	Long D	istance
	Transit Time Delay Variance (Minutes per 100 Train KMs)	Black	water	Goor	yella	Мо	ura	Newl	ands	GA	.PE	Frei	ight	Passe	enger
	(,	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019
	Delays attributable to Aurizon Network	-0.11	8.11	2.82	8.32	-5.30	17.48	-22.99	-4.49	-21.82	-4.41	-3.77	-2.11	0.58	-1.44
Apr	Delays attributable to Railw ay Operators	11.10	12.11	22.35	14.58	20.47	27.51	7.40	37.71	11.99	22.28	16.34	16.88	0.41	0.26
	Unallocated Delays	-2.78	-0.09	3.94	-0.85	-1.52	-6.52	0.95	56.69	7.72	17.07	0.06	17.95	-0.15	0.73
	Delays attributable to Aurizon Network	0.62	-5.38	3.99	12.65	8.72	1.82	-16.46	-2.62	-14.80	2.05	-6.35	-1.31	1.46	-0.96
Мау	Delays attributable to Railw ay Operators	12.87	10.25	21.32	16.98	27.72	10.50	25.75	13.23	23.38	10.69	13.17	23.27	4.60	-0.22
	Unallocated Delays	-2.99	-0.87	0.17	-3.43	-4.30	-4.78	5.35	14.06	0.85	2.38	-0.81	10.45	-0.29	1.15
	Delays attributable to Aurizon Network	-4.78	-4.01	4.84	7.43	-14.23	-5.47	-11.94	-3.15	-15.29	-0.23	-6.80	-0.09	0.14	-1.88
Jun	Delays attributable to Railw ay Operators	12.15	8.36	27.99	16.92	22.90	6.35	12.34	7.81	10.72	9.01	14.45	15.48	1.11	1.15
	Unallocated Delays	-5.00	0.11	-3.44	-1.20	-0.52	0.73	0.86	4.10	0.57	0.64	10.44	4.46	-0.03	0.68

Performance Measure 4 – Clause 10.3.4(d)

						Co	al					Bulk Mir	nerals &	Long D	istance
	Train Cancellations (#)	Black	water	Goor	yella	Мо	ura	Ne w I	ands	GA	PE	Frei	ight	Passe	enger
		2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019
	Cancellations attributable to Aurizon Network	16	145	20	19	6	27	6	8	3	8	0	0	0	0
Apr	Cancellations attributable to Railw ay Operators	70	115	212	164	20	43	30	73	26	49	206	229	3	0
	Unallocated cancellations	86	112	744	200	6	95	46	54	92	133	13	55	0	10
	Cancellations attributable to Aurizon Network	63	5	69	24	18	3	6	6	11	7	0	0	0	0
Мау	Cancellations attributable to Railw ay Operators	94	123	300	171	44	25	37	15	59	24	138	205	0	0
	Unallocated cancellations	31	107	129	147	74	164	15	131	53	35	1	14	0	2
	Cancellations attributable to Aurizon Network	30	13	52	59	6	15	0	15	19	36	4	0	0	0
Jun	Cancellations attributable to Railw ay Operators	90	130	326	266	26	32	26	35	64	35	84	138	0	2
	Unallocated cancellations	13	187	81	109	8	33	6	21	11	22	14	54	9	15

Performance Measure 4 – Clause 10.3.4(d)

						Co	oal					Bulk Mir	nerals &	Long D	istance
	Train Cancellations (%)	Black	water	Goor	yella	Мо	ura	New	ands	GA	PE	Frei	ight	Pass	enger
		2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019
	Cancellations attributable to Aurizon Network	0.73%	5.85%	0.59%	0.57%	1.24%	4.62%	1.14%	1.23%	0.37%	1.00%	0.00%	0.00%	0.00%	0.00%
Apr	Cancellations attributable to Railw ay Operators	3.19%	4.64%	6.23%	4.94%	4.14%	7.35%	5.68%	11.27%	3.23%	6.09%	24.15%	27.13%	2.40%	0.00%
	Unallocated cancellations	3.92%	4.52%	21.85%	6.02%	1.24%	16.24%	8.71%	8.33%	11.41%	16.54%	1.52%	6.52%	0.00%	7.75%
	Cancellations attributable to Aurizon Network	2.59%	0.19%	1.91%	0.72%	3.17%	0.44%	1.14%	0.95%	1.39%	0.85%	0.00%	0.00%	0.00%	0.00%
Мау	Cancellations attributable to Railw ay Operators	3.87%	4.75%	8.29%	5.13%	7.76%	3.68%	7.01%	2.37%	7.48%	2.92%	18.78%	23.84%	0.00%	0.00%
	Unallocated cancellations	1.28%	4.14%	3.57%	4.41%	13.05%	24.15%	2.84%	20.70%	6.72%	4.26%	0.14%	1.63%	0.00%	1.55%
	Cancellations attributable to Aurizon Network	1.28%	0.50%	1.42%	1.54%	1.15%	2.81%	0.00%	2.82%	2.18%	4.20%	0.58%	0.00%	0.00%	0.00%
Jun	Cancellations attributable to Railw ay Operators	3.84%	4.96%	8.89%	6.93%	4.98%	5.99%	5.56%	6.59%	7.36%	4.08%	12.19%	17.02%	0.00%	1.57%
	Unallocated cancellations	0.55%	7.14%	2.21%	2.84%	1.53%	6.18%	1.28%	3.95%	1.26%	2.56%	2.03%	6.66%	7.14%	11.81%

Performance Measure 5 – Clause 10.3.4(e)

		Major reportable safety incidents	Black	water	Goor	nyella	Мо	ura	Newl	ands	GA	\PE
		reported to the Safety Regulator	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019
A	\pr	Number of instances	1	0	0	0	0	0	0	0	0	0
N	lay	Number of instances	0	0	0	0	0	0	0	0	0	0
J	un	Number of instances	0	0	1	0	0	0	0	0	0	0

Performance Measure 6 - Clause 10.3.4(f)(i)

	Tompovovy Speed Destrictions	Black	water	Goor	nyella	Мо	ura	Newl	ands	GA	PE .
	Temporary Speed Restrictions	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019
Amu	Average track under temporary restriction (km)	65.3	54.3	15.1	23.0	33.2	22.6	1.0	4.5	0.3	0.0
Apr	Average track under temporary restriction (%)	4.74%	3.90%	1.29%	1.96%	11.02%	7.46%	0.34%	1.62%	0.45%	0.00%
Mari	Average track under temporary restriction (km)	59.2	28.2	19.8	36.3	19.1	26.0	0.7	5.8	0.0	0.0
May	Average track under temporary restriction (%)	4.30%	2.03%	1.68%	3.08%	6.35%	8.57%	0.24%	2.10%	0.00%	0.00%
lum	Average track under temporary restriction (km)	53.3	26.9	25.6	31.0	17.2	31.6	1.1	3.7	0.0	0.0
Jun	Average track under temporary restriction (%)	3.87%	1.93%	2.18%	2.63%	5.72%	10.41%	0.39%	1.33%	0.00%	0.06%

Performance Measure 7 - Clause 10.3.4(f)(ii)

	Overall Track Condition Index	Black	water	Goor	nyella	Мо	ura	Newl	ands
	Overall Track Condition index	2018	2019	2018	2019	2018	2019	2018	2019
Α	pr Monthly Track Condition Index	30.21	29.96	28.50	28.07	31.11	32.54	25.69	25.61
М	Monthly Track Condition Index	30.04	29.96	28.50	28.07	31.11	32.54	25.69	25.61
Ju	un Monthly Track Condition Index	30.04	29.96	28.50	28.07	31.11	32.54	25.69	25.61

Performance Measure 8 – Clause 10.3.4(g)(i)-(iv)

	O LO LI GILLO POLO HIGH (IV)					Co	oal				
	Coal Carrying Train Service Performance ('000)	Black	water	Goor	nye Ila	Мо	ura	New	lands	GA	PE .
	(333)	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019
	Gross Tonne Kilometres (GTK)	2,971,582	3,096,128	2,737,861	3,249,923	260,802	227,021	213,626	234,686	775,554	716,353
Apr	Net Tonnes (NT)	5,103	5,329	8,599	10,035	1,025	930	1,029	1,162	1,555	1,395
¥	Net Tonne Kilometres (NTK)	1,851,782	1,931,209	1,723,989	2,037,840	163,530	142,008	133,579	144,870	484,487	444,089
	Electric Gross Tonne Kilometres (EGTK)	2,290,722	2,415,916	2,681,054	3,048,491	0	0	0	0	0	0
	Gross Tonne Kilometres (GTK)	3,241,758	3,465,487	3,439,453	3,376,499	236,988	275,811	222,444	222,797	721,643	895,013
≥.	Net Tonnes (NT)	5,541	6,131	10,947	10,408	900	1,063	1,097	1,125	1,520	1,743
May	Net Tonne Kilometres (NTK)	2,031,966	2,174,920	2,162,888	2,126,656	148,508	168,935	139,654	138,332	451,684	555,335
	Electric Gross Tonne Kilometres (EGTK)	2,579,548	2,739,893	3,349,127	3,157,897	0	0	0	0	0	0
	Gross Tonne Kilometres (GTK)	3,256,091	3,337,462	3,509,325	3,863,028	263,583	274,104	203,077	220,118	908,409	871,229
_	Net Tonnes (NT)	5,720	5,757	11,068	11,939	1,062	1,040	1,004	1,069	1,774	1,709
Jun	Net Tonne Kilometres (NTK)	2,035,770	2,078,745	2,212,405	2,437,267	165,418	165,257	127,237	136,514	567,521	540,715
	Electric Gross Tonne Kilometres (EGTK)	2,447,000	2,600,305	3,285,577	3,627,973	0	0	0	0	0	0

Performance Measure 9 – Clause 10.3.4(g)(v)

						Co	oal				
	Below Rail Transit Time %	Black	water	Goor	ıyella	Мо	ura	Newl	ands	GA	\PE
		2018	2019	2018	2019	2018	2019	2018	2019	2018	2019
Apr	Average BRTT % for April	105.74%	113.94%	103.59%	105.75%	117.36%	128.59%	118.27%	127.28%	114.55%	127.20%
May	Average BRTT % for May	106.45%	99.34%	104.93%	112.47%	129.63%	122.58%	117.40%	124.51%	116.75%	130.40%
Jun	Average BRTT % for June	103.19%	100.41%	106.75%	110.42%	115.62%	122.63%	120.14%	116.48%	121.59%	123.59%

Performance Measure 10 – Clause 10.3.4(g)(vi)-(viii) & Performance Measure 11 – Clause 10.3.4(h)

					Co	oal			
	Coal Train Paths	Black	water	Goor	nyella	Мо	ura	Newlands	(Inc GAPE)
		2018	2019	2018	2019	2018	2019	2018	2019
	Train paths available for coal carrying services	2,250	3,012	2,582	2,684	844	928	1,240	1,274
	Train paths contracted for coal carrying services	1,313	1,383	2,266	2,276	282	384	1,129	1,129
	Train paths scheduled by coal carrying services	1,462	1,652	2,270	2,214	322	390	890	968
April	Train paths used by coal carrying services	1,359	1,414	1,631	1,973	301	281	758	754
	Train paths used for planned maintenance	1,068	768	288	316	112	28	168	166
	Train paths used for unplanned maintenance	64	50	10	0	4	0	20	0
	Trains paths available but not used (%)	39.60%	53.05%	36.83%	26.49%	64.34%	69.72%	38.87%	40.82%
	Train paths available for coal carrying services	2,318	3,192	2,608	2,524	848	878	1,294	1,364
	Train paths contracted for coal carrying services	1,313	1,397	2,266	2,276	288	384	1,129	1,129
	Train paths scheduled by coal carrying services	1,618	1,724	2,412	2,223	378	453	878	970
Мау	Train paths used by coal carrying services	1,505	1,579	2,092	2,006	289	325	762	827
	Train paths used for planned maintenance	1,104	660	326	470	142	112	186	116
	Train paths used for unplanned maintenance	14	48	42	6	2	0	4	0
	Trains paths available but not used (%)	35.07%	50.53%	19.79%	20.52%	65.92%	62.98%	41.11%	39.37%
	Train paths available for coal carrying services	2,422	3,182	2,586	2,920	828	930	1,272	1,242
	Train paths contracted for coal carrying services	1,313	1,395	2,266	2,276	294	384	1,129	1,129
4)	Train paths scheduled by coal carrying services	1,562	1,746	2,445	2,558	348	356	892	926
June	Train paths used by coal carrying services	1,479	1,537	2,157	2,281	322	304	811	821
	Train paths used for planned maintenance	920	582	214	20	124	20	118	164
	Train paths used for unplanned maintenance	48	48	80	18	8	0	22	6
	Trains paths available but not used (%)	38.93%	51.70%	16.59%	21.88%	61.11%	67.31%	36.24%	33.90%

Performance Measure 12 – Clause 10.3.4(i)

i enomia	nce Measure 12 – Clause 10.3.4(i)	Black	water	Goo	nyella	Мо	ura	New	lands	GA	\PE
	Contested Train Paths	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019
Apr	Number of contests	30	10	30	4	0	0	1	3	44	6
May	Number of contests	19	21	38	35	0	0	0	9	13	11
Jun	Number of contests	28	10	86	24	0	0	0	21	23	5
	Contested Train Path Principles	Black	water	Goo	nyella	Мо	ura	New	lands	GA	\PE
	Schedule G Clause 8.3	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019
	Clause 8.3 (i)		10%								
	Clause 8.3 (ii)	87%	70%	97%	100%			100%	100%	100%	100%
	Clause 8.3 (iii)										
	Clause 8.3 (iv)										
Apr	Clause 8.3 (v)	13%		3%							
	Clause 8.3 (vi)		20%								
	Clause 8.3 (vii)										
	Clause 8.3 (viii)										
	Clause 8.3 (ix)										
	Clause 8.3 (i)	5%									
	Clause 8.3 (ii)	84%	86%	97%	63%				89%	85%	100%
	Clause 8.3 (iii)										
	Clause 8.3 (iv)				3%				11%		
May	Clause 8.3 (v)		14%	3%	34%						
	Clause 8.3 (vi)	11%								15%	
	Clause 8.3 (vii)										
	Clause 8.3 (viii)										
	Clause 8.3 (ix)										
	Clause 8.3 (i)	7%									
	Clause 8.3 (ii)	79%	100%	71%	100%				100%	100%	100%
	Clause 8.3 (iii)										
	Clause 8.3 (iv)										
Jun	Clause 8.3 (v)	7%		3%							
Ť	Clause 8.3 (vi)	7%		26%							
	Clause 8.3 (vii)										
	Clause 8.3 (viii)										
	Clause 8.3 (ix)										