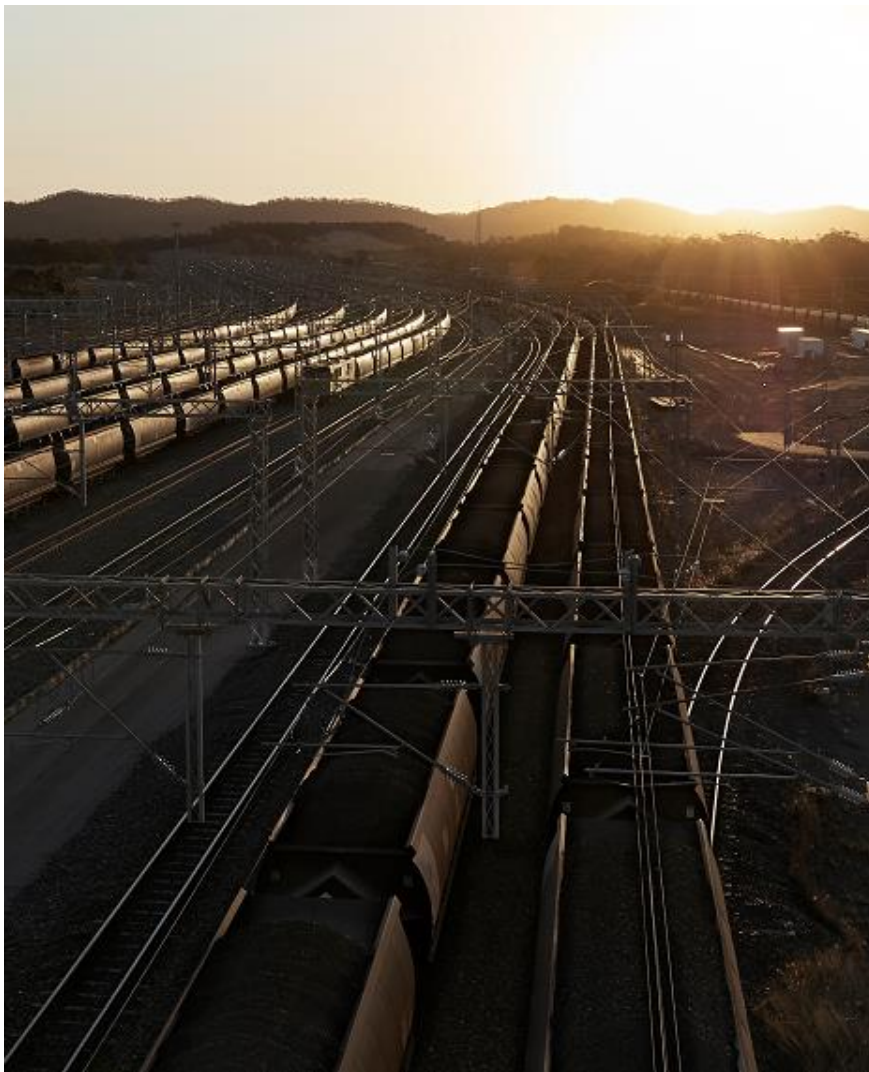


Aurizon Network Public Quarterly Performance Report

**1st Quarter 2019/20
July - September 2019**



Aurizon Network Performance Measures - Q1 2019/20 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)

	On Time Performance	Coal										Bulk Minerals & Freight		Long Distance Passenger		
		Blackwater		Goonyella		Moura		New lands		GAPE		#	%	#	%	
		#	%	#	%	#	%	#	%	#	%					
Jul 2019	Services that reach their destination on time	1,090	50.74%	1,336	44.88%	322	72.04%	302	52.25%	323	47.78%	354	66.79%	104	81.25%	
	Services that do not reach their destination on-time	Due primarily Aurizon Network	343	15.97%	354	11.89%	39	8.72%	96	16.61%	136	20.12%	34	6.42%	4	3.13%
		Due primarily Railway Operator	323	15.04%	754	25.33%	43	9.62%	96	16.61%	117	17.31%	55	10.38%	12	9.38%
		Due primarily to other matters	392	18.25%	533	17.90%	43	9.62%	84	14.53%	100	14.79%	87	16.42%	8	6.25%
Aug 2019	Services that reach their destination on time	978	46.57%	1,209	42.11%	348	75.16%	302	52.25%	355	46.53%	395	57.75%	102	85.71%	
	Services that do not reach their destination on-time	Due primarily Aurizon Network	299	14.24%	439	15.29%	31	6.70%	124	21.45%	172	22.54%	32	4.68%	1	0.84%
		Due primarily Railway Operator	427	20.33%	729	25.39%	49	10.58%	55	9.52%	117	15.33%	107	15.64%	3	2.52%
		Due primarily to other matters	396	18.86%	494	17.21%	35	7.56%	97	16.78%	119	15.60%	150	21.93%	13	10.92%
Sep 2019	Services that reach their destination on time	1,257	67.69%	1,473	49.78%	303	70.96%	238	51.97%	311	42.43%	342	55.79%	71	69.61%	
	Services that do not reach their destination on-time	Due primarily Aurizon Network	186	10.02%	414	13.99%	31	7.26%	79	17.25%	158	21.56%	24	3.92%	5	4.90%
		Due primarily Railway Operator	258	13.89%	710	23.99%	54	12.65%	67	14.63%	160	21.83%	98	15.99%	16	15.69%
		Due primarily to other matters	156	8.40%	362	12.23%	39	9.13%	74	16.16%	104	14.19%	149	24.31%	10	9.80%

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

	Total Number of Train Services	Coal					Bulk Minerals & Freight	Long Distance Passenger
		Blackwater	Goonyella	Moura	New lands	GAPE		
Jul 19	Train services for July 2019	2,148	2,977	447	578	676	530	128
Aug 19	Train services for August 2019	2,100	2,871	463	578	763	684	119
Sep 19	Train services for September 2019	1,857	2,959	427	458	733	613	102

Performance Measure 3 – Clause 10.3.4(c)

	Transit Time Delay Variance (Minutes per 100 Train KMs)	Coal					Bulk Minerals & Freight	Long Distance Passenger
		Blackwater	Goonyella	Moura	New lands	GAPE		
Jul 19	Delays attributable to Aurizon Network	-2.24	6.38	-4.96	-1.13	-4.44	-0.46	-1.87
	Delays attributable to Railway Operators	9.10	19.87	3.39	16.39	13.01	13.88	0.49
	Unallocated delays	0.03	-8.71	5.35	11.23	5.63	2.40	0.53
Aug 19	Delays attributable to Aurizon Network	-0.92	10.12	-0.69	7.45	0.20	0.89	-1.58
	Delays attributable to Railway Operators	10.48	17.14	12.78	5.74	9.97	13.94	-0.12
	Unallocated delays	-2.30	-8.47	0.37	16.44	4.17	16.31	0.79
Sep 19	Delays attributable to Aurizon Network	-0.04	3.68	1.02	1.21	-1.88	0.50	-2.11
	Delays attributable to Railway Operators	6.32	15.04	12.82	16.69	9.46	15.91	2.35
	Unallocated delays	-0.67	-2.84	3.05	12.04	5.82	19.95	1.44

Performance Measure 4 – Clause 10.3.4(d)

	Train Cancellations	Coal										Bulk Minerals & Freight		Long Distance Passenger	
		Blackwater		Goonyella		Moura		New lands		GAPE		#	%	#	%
		#	%	#	%	#	%	#	%	#	%				
Jul 19	Cancellations attributable to Aurizon Network	24	1.01%	43	1.27%	4	0.74%	2	0.29%	23	2.92%	0	0.00%	0	0.00%
	Cancellations attributable to Railway Operators	91	3.82%	231	6.81%	20	3.70%	50	7.34%	47	5.96%	171	24.05%	0	0.00%
	Unallocated cancellations	119	5.00%	139	4.10%	69	12.78%	51	7.49%	43	5.45%	10	1.41%	1	0.78%
Aug 19	Cancellations attributable to Aurizon Network	17	0.71%	43	1.32%	8	1.35%	5	0.83%	11	1.31%	4	0.46%	0	0.00%
	Cancellations attributable to Railway Operators	122	5.12%	169	5.19%	47	7.95%	12	1.98%	31	3.69%	166	18.99%	0	0.00%
	Unallocated cancellations	142	5.96%	176	5.40%	73	12.35%	11	1.82%	35	4.17%	20	2.29%	11	8.46%
Sep 19	Cancellations attributable to Aurizon Network	36	1.64%	14	0.42%	0	0.00%	8	1.50%	8	0.98%	4	0.49%	0	0.00%
	Cancellations attributable to Railway Operators	235	10.70%	152	4.52%	64	12.57%	21	3.93%	16	1.96%	118	14.41%	26	20.16%
	Unallocated cancellations	68	3.10%	238	7.08%	18	3.54%	48	8.97%	61	7.46%	84	10.26%	1	0.78%

Performance Measure 5 – Clause 10.3.4(e)

	Major reportable safety incidents reported to the Safety Regulator	Blackwater	Goonyella	Moura	New lands	GAPE
Jul 19	Number of instances	0	0	0	0	0
Aug 19	Number of instances	1	0	0	0	0
Sep 19	Number of instances	1	0	0	0	0

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

	Temporary Speed Restrictions	Blackwater	Goonyella	Moura	New lands	GAPE
Jul 19	Average track under temporary restriction (km)	47.5	21.0	29.2	0.8	0.0
	Average track under temporary restriction (%)	3.41%	1.78%	9.62%	0.28%	0.00%
Aug 19	Average track under temporary restriction (km)	34.5	44.2	18.3	0.5	0.0
	Average track under temporary restriction (%)	2.48%	3.75%	6.02%	0.20%	0.00%
Sep 19	Average track under temporary restriction (km)	36.2	50.6	21.3	1.4	0.0
	Average track under temporary restriction (%)	2.60%	4.30%	7.03%	0.50%	0.00%

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

	Overall Track Condition Index	Blackwater	Goonyella	Moura	New lands
Jul 19	Monthly Track Condition Index	29.96	28.07	32.54	25.61
Aug 19	Monthly Track Condition Index	29.96	28.07	32.54	25.61
Sep 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 ('000)	Coal				
		Blackwater	Goonyella	Moura	New lands	GAPE
Jul 19	Gross Tonne Kilometres (GTK)	3,157,328	3,301,381	279,047	271,278	736,758
	Net Tonnes (NT)	5,357	10,397	1,032	1,340	1,581
	Net Tonne Kilometres (NTK)	1,966,360	2,078,561	171,701	168,100	456,755
	Electric Gross Tonne Kilometres (EGTK)	2,398,059	3,111,488	0	0	0
Aug 19	Gross Tonne Kilometres (GTK)	3,113,581	3,198,966	282,321	266,634	826,325
	Net Tonnes (NT)	5,310	9,892	1,070	1,331	1,737
	Net Tonne Kilometres (NTK)	1,937,751	2,008,985	175,437	165,077	512,651
	Electric Gross Tonne Kilometres (EGTK)	2,396,659	2,973,594	0	0	0
Sep 19	Gross Tonne Kilometres (GTK)	2,726,918	3,314,338	256,750	215,701	793,405
	Net Tonnes (NT)	4,695	10,182	982	1,060	1,659
	Net Tonne Kilometres (NTK)	1,696,834	2,084,368	158,698	132,599	491,084
	Electric Gross Tonne Kilometres (EGTK)	2,084,965	3,121,090	0	0	0

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

	Below Rail Transit Time %	Coal				
		Blackwater	Goonyella	Moura	New lands	GAPE
Jul 19	Average BRTT % for July 2019	101.57%	108.44%	118.42%	119.02%	121.72%
Aug 19	Average BRTT % for August 2019	98.32%	109.05%	114.48%	122.83%	115.37%
Sep 19	Average BRTT % for September 2019	100.92%	105.00%	115.02%	118.32%	115.36%

Coal Train Paths	Coal				
	Blackwater	Goonyella	Moura	New lands (inc GAPE)	
July 2019	Train paths available for coal carrying services	2,942	2,444	940	1,336
	Train paths contracted for coal carrying services	1,593	2,302	374	1,129
	Train paths scheduled by coal carrying services	1,588	2,260	360	980
	Train paths used by coal carrying services	1,439	1,994	299	841
	Train paths used for planned maintenance	882	428	20	96
	Train paths used for unplanned maintenance	86	42	32	8
	Trains paths available but not used (%)	51.09%	18.41%	68.19%	37.05%
August 2019	Train paths available for coal carrying services	2,978	2,250	968	1,348
	Train paths contracted for coal carrying services	1,685	2,302	408	1,227
	Train paths scheduled by coal carrying services	1,587	2,173	394	964
	Train paths used by coal carrying services	1,411	1,925	311	898
	Train paths used for planned maintenance	896	392	24	98
	Train paths used for unplanned maintenance	76	90	0	40
	Trains paths available but not used (%)	52.62%	14.44%	67.87%	33.38%
September 2019	Train paths available for coal carrying services	2,320	2,652	810	1,296
	Train paths contracted for coal carrying services	1,683	2,302	408	1,227
	Train paths scheduled by coal carrying services	1,464	2,242	340	902
	Train paths used by coal carrying services	1,251	1,980	286	796
	Train paths used for planned maintenance	1,562	334	150	140
	Train paths used for unplanned maintenance	8	8	0	2
	Trains paths available but not used (%)	46.08%	25.34%	64.69%	38.58%

Performance Measure 12 – Clause 10.3.4(i)

Contested Train Paths	Blackwater			Goonyella			Moura			New lands			GAPE		
	Jul 19	Aug 19	Sep 19	Jul 19	Aug 19	Sep 19	Jul 19	Aug 19	Sep 19	Jul 19	Aug 19	Sep 19	Jul 19	Aug 19	Sep 19
Number of contests	8	22	13	100	109	42	0	0	0	5	19	1	1	9	0

Contested Train Path Principles Schedule G Clause 8.3	Blackwater			Goonyella			Moura			New lands			GAPE		
	Jul 19	Aug 19	Sep 19	Jul 19	Aug 19	Sep 19	Jul 19	Aug 19	Sep 19	Jul 19	Aug 19	Sep 19	Jul 19	Aug 19	Sep 19
Clause 8.3 (i)		5%		12%	6%					60%	11%			33%	
Clause 8.3 (ii)	50%	95%	92%	73%	57%	76%				40%	68%	100%	100%	44%	
Clause 8.3 (iii)															
Clause 8.3 (iv)			8%	3%	4%	2%					11%			11%	
Clause 8.3 (v)	25%			11%	14%						11%			11%	
Clause 8.3 (vi)	13%				17%	21%									
Clause 8.3 (vii)															
Clause 8.3 (viii)	13%			1%	4%										
Clause 8.3 (ix)															

Notes:

- (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.

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

- a) The relevant nominated section run times in the direction of travel as specified in the Train Service Entitlement;
- b) Identified Below Rail Delays;
- c) 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

<http://www.aurizon.com.au/what-we-deliver/network/network-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)

	On Time Performance (#)	Coal										Bulk Minerals & Freight		Long Distance Passenger		
		Blackwater		Goonyella		Moura		Newlands		GAPE		2018	2019	2018	2019	
		2018	2019	2018	2019	2018	2019	2018	2019	2018	2019					
Jul	Services that reach their destination on time	895	1,090	1,097	1,336	154	322	222	302	312	323	324	354	104	104	
	Services that do not reach their destination on-time	Due primarily Aurizon Network	355	343	415	354	115	39	120	96	229	136	67	34	3	4
		Due primarily Railway Operator	443	323	851	754	79	43	52	96	96	117	105	55	19	12
		Due primarily to other matters	408	392	383	533	110	43	53	84	39	100	171	87	5	8
Aug	Services that reach their destination on time	1,018	978	1,179	1,209	202	348	201	302	240	355	359	395	92	102	
	Services that do not reach their destination on-time	Due primarily Aurizon Network	375	299	524	439	136	31	115	124	179	172	48	32	1	1
		Due primarily Railway Operator	364	427	846	729	107	49	73	55	85	117	109	107	12	3
		Due primarily to other matters	486	396	411	494	147	35	37	97	74	119	171	150	14	13
Sep	Services that reach their destination on time	875	1,257	1,303	1,473	169	303	235	238	324	311	365	342	93	71	
	Services that do not reach their destination on-time	Due primarily Aurizon Network	283	186	481	414	93	31	112	79	169	158	52	24	3	5
		Due primarily Railway Operator	533	258	891	710	179	54	87	67	115	160	77	98	11	16
		Due primarily to other matters	341	156	365	362	54	39	66	74	82	104	146	149	9	10

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

	On Time Performance (%)	Coal										Bulk Minerals & Freight		Long Distance Passenger		
		Blackwater		Goonyella		Moura		New lands		GAPE		2018	2019	2018	2019	
		2018	2019	2018	2019	2018	2019	2018	2019	2018	2019					
Jul	Services that reach their destination on time	42.60%	50.74%	39.95%	44.88%	33.62%	72.04%	49.66%	52.25%	46.15%	47.78%	48.58%	66.79%	79.39%	81.25%	
	Services that do not reach their destination on-time	Due primarily Aurizon Network	16.90%	15.97%	15.11%	11.89%	25.11%	8.72%	26.85%	16.61%	33.88%	20.12%	10.04%	6.42%	2.29%	3.13%
		Due primarily Railway Operator	21.09%	15.04%	30.99%	25.33%	17.25%	9.62%	11.63%	16.61%	14.20%	17.31%	15.74%	10.38%	14.50%	9.38%
		Due primarily to other matters	19.42%	18.25%	13.95%	17.90%	24.02%	9.62%	11.86%	14.53%	5.77%	14.79%	25.64%	16.42%	3.82%	6.25%
Aug	Services that reach their destination on time	45.39%	46.57%	39.83%	42.11%	34.12%	75.16%	47.18%	52.25%	41.52%	46.53%	52.26%	57.75%	77.31%	85.71%	
	Services that do not reach their destination on-time	Due primarily Aurizon Network	16.72%	14.24%	17.70%	15.29%	22.97%	6.70%	27.00%	21.45%	30.97%	22.54%	6.99%	4.68%	0.84%	0.84%
		Due primarily Railway Operator	16.23%	20.33%	28.58%	25.39%	18.07%	10.58%	17.14%	9.52%	14.71%	15.33%	15.87%	15.64%	10.08%	2.52%
		Due primarily to other matters	21.67%	18.86%	13.89%	17.21%	24.83%	7.56%	8.69%	16.78%	12.80%	15.60%	24.89%	21.93%	11.76%	10.92%
Sep	Services that reach their destination on time	43.06%	67.69%	42.86%	49.78%	34.14%	70.96%	47.00%	51.97%	46.96%	42.43%	57.03%	55.79%	80.17%	69.61%	
	Services that do not reach their destination on-time	Due primarily Aurizon Network	13.93%	10.02%	15.82%	13.99%	18.79%	7.26%	22.40%	17.25%	24.49%	21.56%	8.13%	3.92%	2.59%	4.90%
		Due primarily Railway Operator	26.23%	13.89%	29.31%	23.99%	36.16%	12.65%	17.40%	14.63%	16.67%	21.83%	12.03%	15.99%	9.48%	15.69%
		Due primarily to other matters	16.78%	8.40%	12.01%	12.23%	10.91%	9.13%	13.20%	16.16%	11.88%	14.19%	22.81%	24.31%	7.76%	9.80%

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

	Total Number of Train Services	Coal										Bulk Minerals & Freight		Long Distance Passenger	
		Blackwater		Goonyella		Moura		New lands		GAPE		2018	2019	2018	2019
		2018	2019	2018	2019	2018	2019	2018	2019	2018	2019				
Jul	Train services for July 2019	2,101	2,148	2,746	2,977	458	447	447	578	676	676	667	530	131	128
Aug	Train services for August 2019	2,243	2,100	2,960	2,871	592	463	426	578	578	763	687	684	119	119
Sep	Train services for September 2019	2,032	1,857	3,040	2,959	495	427	500	458	690	733	640	613	116	102

Performance Measure 3 – Clause 10.3.4(c)

	Transit Time Delay Variance (Minutes per 100 Train KMs)	Coal										Bulk Minerals & Freight		Long Distance Passenger	
		Blackwater		Goonyella		Moura		Newlands		GAPE		2018	2019	2018	2019
		2018	2019	2018	2019	2018	2019	2018	2019	2018	2019				
Jul	Delays attributable to Aurizon Network	-4.94	-2.24	6.03	6.38	-18.98	-4.96	-5.88	-1.13	-13.13	-4.44	-0.88	-0.46	0.33	-1.87
	Delays attributable to Railway Operators	13.87	9.10	22.39	19.87	22.01	3.39	10.41	16.39	5.22	13.01	24.19	13.88	1.54	0.49
	Unallocated Delays	-6.62	0.03	-8.97	-8.71	-1.51	5.35	-0.42	11.23	-0.23	5.63	36.57	2.40	-0.45	0.53
Aug	Delays attributable to Aurizon Network	-4.24	-0.92	5.91	10.12	-15.66	-0.69	-10.70	7.45	-2.79	0.20	-3.56	0.89	-0.10	-1.58
	Delays attributable to Railway Operators	11.42	10.48	18.70	17.14	21.48	12.78	6.14	5.74	7.58	9.97	14.45	13.94	0.94	-0.12
	Unallocated Delays	-5.09	-2.30	-8.02	-8.47	-11.35	0.37	9.12	16.44	1.64	4.17	20.51	16.31	4.68	0.79
Sep	Delays attributable to Aurizon Network	-2.32	-0.04	3.79	3.68	4.11	1.02	-18.66	1.21	-14.91	-1.88	6.46	0.50	0.08	-2.11
	Delays attributable to Railway Operators	13.47	6.32	16.62	15.04	32.57	12.82	7.69	16.69	8.30	9.46	11.55	15.91	0.56	2.35
	Unallocated Delays	-3.44	-0.67	-4.18	-2.84	-0.81	3.05	10.12	12.04	4.28	5.82	7.72	19.95	0.08	1.44

Performance Measure 4 – Clause 10.3.4(d)

	Train Cancellations (#)	Coal										Bulk Minerals & Freight		Long Distance Passenger	
		Blackwater		Goonyella		Moura		Newlands		GAPE		2018	2019	2018	2019
		2018	2019	2018	2019	2018	2019	2018	2019	2018	2019				
Jul	Cancellations attributable to Aurizon Network	55	24	19	43	6	4	0	2	0	23	8	0	0	0
	Cancellations attributable to Railway Operators	63	91	176	231	50	20	30	50	41	47	108	171	0	0
	Unallocated cancellations	22	119	101	139	9	69	6	51	63	43	5	10	0	1
Aug	Cancellations attributable to Aurizon Network	34	17	56	43	0	8	6	5	20	11	0	4	0	0
	Cancellations attributable to Railway Operators	78	122	159	169	21	47	30	12	36	31	96	166	0	0
	Unallocated cancellations	30	142	75	176	5	73	18	11	23	35	16	20	9	11
Sep	Cancellations attributable to Aurizon Network	41	36	24	14	7	0	11	8	9	8	3	4	0	0
	Cancellations attributable to Railway Operators	131	235	218	152	51	64	26	21	51	16	117	118	0	26
	Unallocated cancellations	28	68	103	238	3	18	12	48	12	61	21	84	6	1

Performance Measure 4 – Clause 10.3.4(d)

	Train Cancellations (%)	Coal										Bulk Minerals & Freight		Long Distance Passenger	
		Blackwater		Goonyella		Moura		New lands		GAPE		2018	2019	2018	2019
		2018	2019	2018	2019	2018	2019	2018	2019	2018	2019				
Jul	Cancellations attributable to Aurizon Network	2.45%	1.01%	0.62%	1.27%	1.15%	0.74%	0.00%	0.29%	0.00%	2.92%	1.02%	0.00%	0.00%	0.00%
	Cancellations attributable to Railway Operators	2.81%	3.82%	5.79%	6.81%	9.56%	3.70%	6.21%	7.34%	5.26%	5.96%	13.71%	24.05%	0.00%	0.00%
	Unallocated cancellations	0.98%	5.00%	3.32%	4.10%	1.72%	12.78%	1.24%	7.49%	8.08%	5.45%	0.63%	1.41%	0.00%	0.78%
Aug	Cancellations attributable to Aurizon Network	1.43%	0.71%	1.72%	1.32%	0.00%	1.35%	1.25%	0.83%	3.04%	1.31%	0.00%	0.46%	0.00%	0.00%
	Cancellations attributable to Railway Operators	3.27%	5.12%	4.89%	5.19%	3.40%	7.95%	6.25%	1.98%	5.48%	3.69%	12.02%	18.99%	0.00%	0.00%
	Unallocated cancellations	1.26%	5.96%	2.31%	5.40%	0.81%	12.35%	3.75%	1.82%	3.50%	4.17%	2.00%	2.29%	7.03%	8.46%
Sep	Cancellations attributable to Aurizon Network	1.84%	1.64%	0.71%	0.42%	1.26%	0.00%	2.00%	1.50%	1.18%	0.98%	0.38%	0.49%	0.00%	0.00%
	Cancellations attributable to Railway Operators	5.87%	10.70%	6.44%	4.52%	9.17%	12.57%	4.74%	3.93%	6.69%	1.96%	14.98%	14.41%	0.00%	20.16%
	Unallocated cancellations	1.25%	3.10%	3.04%	7.08%	0.54%	3.54%	2.19%	8.97%	1.57%	7.46%	2.69%	10.26%	4.92%	0.78%

Performance Measure 5 – Clause 10.3.4(e)

	Major reportable safety incidents reported to the Safety Regulator	Blackwater		Goonyella		Moura		Newlands		GAPE	
		2018	2019	2018	2019	2018	2019	2018	2019	2018	2019
Jul	Number of instances	0	0	0	0	0	0	0	0	0	0
Aug	Number of instances	0	1	0	0	0	0	0	0	0	0
Sep	Number of instances	0	1	0	0	0	0	0	0	0	0

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

	Temporary Speed Restrictions	Blackwater		Goonyella		Moura		Newlands		GAPE	
		2018	2019	2018	2019	2018	2019	2018	2019	2018	2019
Jul	Average track under temporary restriction (km)	56.8	47.5	26.9	21.0	14.2	29.2	2.0	0.8	0.0	0.0
	Average track under temporary restriction (%)	4.13%	3.41%	2.28%	1.78%	4.71%	9.62%	0.70%	0.28%	0.00%	0.00%
Aug	Average track under temporary restriction (km)	56.7	34.5	29.9	44.2	14.7	18.3	6.2	0.5	0.0	0.0
	Average track under temporary restriction (%)	4.11%	2.48%	2.54%	3.75%	4.88%	6.02%	2.21%	0.20%	0.02%	0.00%
Sep	Average track under temporary restriction (km)	54.7	36.2	40.5	50.6	24.3	21.3	5.5	1.4	0.5	0.0
	Average track under temporary restriction (%)	3.97%	2.60%	3.44%	4.30%	8.08%	7.03%	1.97%	0.50%	0.67%	0.00%

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

Overall Track Condition Index		Blackwater		Goonyella		Moura		New lands	
		2018	2019	2018	2019	2018	2019	2018	2019
Jul	Monthly Track Condition Index	30.04	29.96	28.50	28.07	31.11	32.54	25.69	25.61
Aug	Monthly Track Condition Index	30.04	29.96	28.50	28.07	27.82	32.54	25.69	25.61
Sep	Monthly Track Condition Index	30.04	29.96	28.50	28.07	27.82	32.54	25.69	25.61

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

Coal Carrying Train Service Performance ('000)		Coal									
		Blackwater		Goonyella		Moura		New lands		GAPE	
		2018	2019	2018	2019	2018	2019	2018	2019	2018	2019
Jul	Gross Tonne Kilometres (GTK)	3,078,253	3,157,328	3,123,077	3,301,381	230,228	279,047	221,407	271,278	828,115	736,758
	Net Tonnes (NT)	5,441	5,357	9,729	10,397	947	1,032	1,034	1,340	1,589	1,581
	Net Tonne Kilometres (NTK)	1,926,584	1,966,360	1,974,074	2,078,561	144,416	171,701	138,044	168,100	517,942	456,755
	Electric Gross Tonne Kilometres (EGTK)	2,352,633	2,398,059	2,924,546	3,111,488	0	0	0	0	0	0
Aug	Gross Tonne Kilometres (GTK)	3,291,273	3,113,581	3,333,319	3,198,966	320,751	282,321	203,658	266,634	652,727	826,325
	Net Tonnes (NT)	5,789	5,310	10,198	9,892	1,292	1,070	987	1,331	1,279	1,737
	Net Tonne Kilometres (NTK)	2,056,565	1,937,751	2,096,658	2,008,985	200,744	175,437	127,156	165,077	406,541	512,651
	Electric Gross Tonne Kilometres (EGTK)	2,562,158	2,396,659	3,124,067	2,973,594	0	0	0	0	0	0
Sep	Gross Tonne Kilometres (GTK)	2,998,412	2,726,918	3,431,804	3,314,338	274,779	256,750	231,216	215,701	817,701	793,405
	Net Tonnes (NT)	5,142	4,695	10,642	10,182	1,076	982	1,163	1,060	1,610	1,659
	Net Tonne Kilometres (NTK)	1,873,205	1,696,834	2,162,105	2,084,368	171,843	158,698	144,344	132,599	509,739	491,084
	Electric Gross Tonne Kilometres (EGTK)	2,301,172	2,084,965	3,244,269	3,121,090	0	0	0	0	0	0

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

Below Rail Transit Time %		Coal									
		Blackwater		Goonyella		Moura		New lands		GAPE	
		2018	2019	2018	2019	2018	2019	2018	2019	2018	2019
Jul	Average BRTT % for July	102.81%	101.57%	105.21%	108.44%	113.16%	118.42%	123.80%	119.02%	121.63%	121.72%
Aug	Average BRTT % for August	102.00%	98.32%	104.46%	109.05%	112.84%	114.48%	126.00%	122.83%	130.75%	115.37%
Sep	Average BRTT % for September	105.98%	100.92%	103.96%	105.00%	128.41%	115.02%	116.61%	118.32%	115.81%	115.36%

Coal Train Paths	Coal								
	Blackwater		Goonyella		Moura		New lands (Inc GAPE)		
	2018	2019	2018	2019	2018	2019	2018	2019	
July	Train paths available for coal carrying services	2,408	2,942	2,052	2,444	870	940	1,240	1,336
	Train paths contracted for coal carrying services	1,493	1,593	2,184	2,302	300	374	1,129	1,129
	Train paths scheduled by coal carrying services	1,494	1,588	2,028	2,260	346	360	842	980
	Train paths used by coal carrying services	1,409	1,439	1,838	1,994	303	299	749	841
	Train paths used for planned maintenance	924	882	696	428	122	20	178	96
	Train paths used for unplanned maintenance	98	86	12	42	0	32	4	8
	Trains paths available but not used (%)	41.49%	51.09%	10.43%	18.41%	65.17%	68.19%	39.60%	37.05%
August	Train paths available for coal carrying services	2,348	2,978	2,226	2,250	892	968	1,080	1,348
	Train paths contracted for coal carrying services	1,493	1,685	2,184	2,302	306	408	1,129	1,227
	Train paths scheduled by coal carrying services	1,590	1,587	2,167	2,173	412	394	758	964
	Train paths used by coal carrying services	1,505	1,411	1,986	1,925	395	311	672	898
	Train paths used for planned maintenance	1,128	896	566	392	98	24	372	98
	Train paths used for unplanned maintenance	58	76	32	90	2	0	8	40
	Trains paths available but not used (%)	35.90%	52.62%	10.78%	14.44%	55.72%	67.87%	37.78%	33.38%
September	Train paths available for coal carrying services	2,262	2,320	2,404	2,652	788	810	1,302	1,296
	Train paths contracted for coal carrying services	1,493	1,683	2,184	2,302	374	408	1,129	1,227
	Train paths scheduled by coal carrying services	1,488	1,464	2,257	2,242	370	340	874	902
	Train paths used by coal carrying services	1,365	1,251	2,039	1,980	330	286	795	796
	Train paths used for planned maintenance	1,212	1,562	438	334	152	150	114	140
	Train paths used for unplanned maintenance	26	8	20	8	20	0	0	2
	Trains paths available but not used (%)	39.66%	46.08%	15.18%	25.34%	58.12%	64.69%	38.94%	38.58%

Performance Measure 12 – Clause 10.3.4(i)

Contested Train Paths		Blackwater		Goonyella		Moura		New lands		GAPE	
		2018	2019	2018	2019	2018	2019	2018	2019	2018	2019
Jul	Number of contests	42	8	57	100	0	0	2	5	5	1
Aug	Number of contests	30	22	130	109	0	0	5	19	10	9
Sep	Number of contests	53	13	29	42	0	0	24	1	4	0

Contested Train Path Principles Schedule G Clause 8.3		Blackwater		Goonyella		Moura		New lands		GAPE	
		2018	2019	2018	2019	2018	2019	2018	2019	2018	2019
Jul	Clause 8.3 (i)	21%		14%	12%				60%		
	Clause 8.3 (ii)	67%	50%	70%	73%			100%	40%	100%	100%
	Clause 8.3 (iii)										
	Clause 8.3 (iv)				3%						
	Clause 8.3 (v)	12%	25%	14%	11%						
	Clause 8.3 (vi)		13%								
	Clause 8.3 (vii)			2%							
	Clause 8.3 (viii)		13%		1%						
	Clause 8.3 (ix)										
Aug	Clause 8.3 (i)	30%	5%	5%	6%				11%		33%
	Clause 8.3 (ii)	47%	95%	78%	57%			60%	68%	80%	44%
	Clause 8.3 (iii)										
	Clause 8.3 (iv)	3%		3%	4%				11%		11%
	Clause 8.3 (v)	17%		9%	14%			40%	11%	20%	11%
	Clause 8.3 (vi)	3%		4%	17%						
	Clause 8.3 (vii)										
	Clause 8.3 (viii)				4%						
	Clause 8.3 (ix)										
Sep	Clause 8.3 (i)	2%		7%							
	Clause 8.3 (ii)	75%	92%	86%	76%			96%	100%	100%	
	Clause 8.3 (iii)										
	Clause 8.3 (iv)	6%	8%		2%						
	Clause 8.3 (v)	6%									
	Clause 8.3 (vi)	11%		7%	21%			4%			
	Clause 8.3 (vii)										
	Clause 8.3 (viii)										
	Clause 8.3 (ix)										