

TEMPLATE EXPLANATION



This template must be used by Murraylink to report service performance information for the 2008 calendar year.

Yellow worksheets ('**Inputs - Performance**' and '**Inputs- Exclusions**') are for inputs, including performance and exclusion information. Murraylink only needs to enter data on these worksheets.

Purple worksheets '**S1**' to '**S3**' are the s-factor results based on the performance inputs from the 'Inputs - Performance' worksheet.

Blue worksheet '**Revenue Calculation**' quantifies the appropriate revenue to be applied to the s-factor results adjusted for CPI.

Red worksheet '**Outcomes**' shows the total performance, s-factor and financial incentive results based on Murraylink's performance in 'Inputs-Performance' and 'Revenue Calculation' worksheets.

Orange worksheet '**Exclusion Definitions**' are the defined exclusions for Murraylink which should form the basis of exclusion requests under 'Inputs-Exclusions' worksheet.

MURRAYLINK - SERVICE STANDARDS PERFORMANCE

PERFORMANCE PARAMETERS	S	<i>Performance (Without exclusions)</i>	<i>Performance (With exclusions)</i>
<i>Planned circuit energy availability</i>	S1	99.112633%	99.217275%
<i>Peak forced outage availability</i>	S2	99.961377%	99.994292%
<i>Off- peak forced outage availability</i>	S3	99.899163%	99.952435%

<i>Date prepared:</i>	
<i>Revision date:</i>	

NOTES:

Pink cells- Input performance without exclusions from performance data

Orange cells- Input performance with exclusions from performance data

Green cells- Input date that template data was entered and date of any revisions from original version.

Performance should be measured on a calendar year basis

MURRAYLINK - Proposed exclusions

CIRCUIT AVAILABILITY		Event proposed for exclusion	Description of the event and its impact on the network and performance	Cause of the event	Start date	Start time	End date	End time	Circuit affected	Reactive plant or transformer	Quantitative impact	Reasons for exclusion request	Further references
Name of any circuit availability measures applying to Murraylink		Name of the event	Detail of the event. Such as: the action of any third parties, the actions of the TNSP, assets damaged or interrupted.	A description of the cause of the event	Start date and time of event		End date and time of event		Name of circuit affected	Name of any reactive plant or transformer affected	Number of hours, mins etc interrupted	Full details of the reason/s for excluding this event. Should include a reference to the defined exclusions and explain how it meets this exclusion definition (see Exclusion definition tab). Eg Exclusion 1.2 Third party event.	A TNSP may provide further details of an exclusion event. TNSP to provide reference.
S1	Planned circuit energy availability		SPAusNet require Murraylink offline to modify interlock circuits at the Red Cliffs Terminal Station. Outage recalled.		17/09/08	07:26:00	17/09/08	08:09:00	00:42:00			Exclusion 1.2 Third party event.	
			SPAusNet require Murraylink offline to modify interlock circuits at the Red Cliffs Terminal Station.		18/09/08	07:05:00	18/09/08	15:32:00	08:27:00			Exclusion 1.2 Third party event.	
S2	Peak forced outage availability		Underfrequency protection operation caused by Electranet transmission system outage on the Berri area. Severe thunderstorm occurring in Berri at the time. Return to service delayed because backup auxiliary power supply was not available until 22:08 and auxiliary power is required to restart the converter.		13/11/08	19:07:00	14/11/08	02:40:00	02:53:00			Exclusion 1.2 Third party event.	
S3	Off- peak forced outage availability		Underfrequency protection operation caused by Electranet transmission system outage on the Berri area. Severe thunderstorm occurring in Berri at the time. Return to service delayed because backup auxiliary power supply was not available until 22:08 and auxiliary power is required to restart the converter.		13/11/08	19:07:00	14/11/08	02:40:00	04:40:00			Exclusion 1.2 Third party event.	

NOTES:

This worksheet should include a list all events that are proposed for exclusion.

Each proposed exclusion should include a description of the event, a description of the impact and quantification of the impact on the network and performance. The descriptive elements should also include reasons for the exclusion request making reference to the "Exclusion Definitions" worksheet.

Each exclusion should be entered onto one row for each parameter. Where one exclusion event applies to more than one parameter, the relevant details of the event should be entered under each of the parameter headings.

The TNSP must provide details for all events requested for exclusion in this template. In the event that the TNSP wishes to provide further details of an exclusion, this should be provided with the TNSP's performance report. The source of information should be referenced in this template.

Green cells - input description impact

Orange cells - input reasons for the exclusion request

MURRAYLINK - S1 - Planned circuit energy availability

Performance Target	Graph start	Collar	Target	Cap	Graph end
Planned circuit energy availability	99.00%	99.04%	99.17%	99.38%	99.50%
Weighting	-0.40%	-0.40%	0.00%	0.40%	0.40%

Performance Formulae	Formulae					Conditions	S- Calc 1	S- Calc 2
Performance	=	-0.004000				When: Availability < 99.04%	-0.004000	-0.004000
	=	3.076923	x	Availability	+	-3.051385 99.04% ≤ Availability ≤ 99.17%	-0.001765	0.001455
	=	1.904762	x	Availability	+	-1.888952 99.17% ≤ Availability ≤ 99.38%	-0.001093	0.000900
	=	0.004000				99.38% < Availability	0.004000	0.004000

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Planned circuit energy availability	=	99.112633%	99.217275%
S-Factor Result	=	-0.176513%	0.090049%

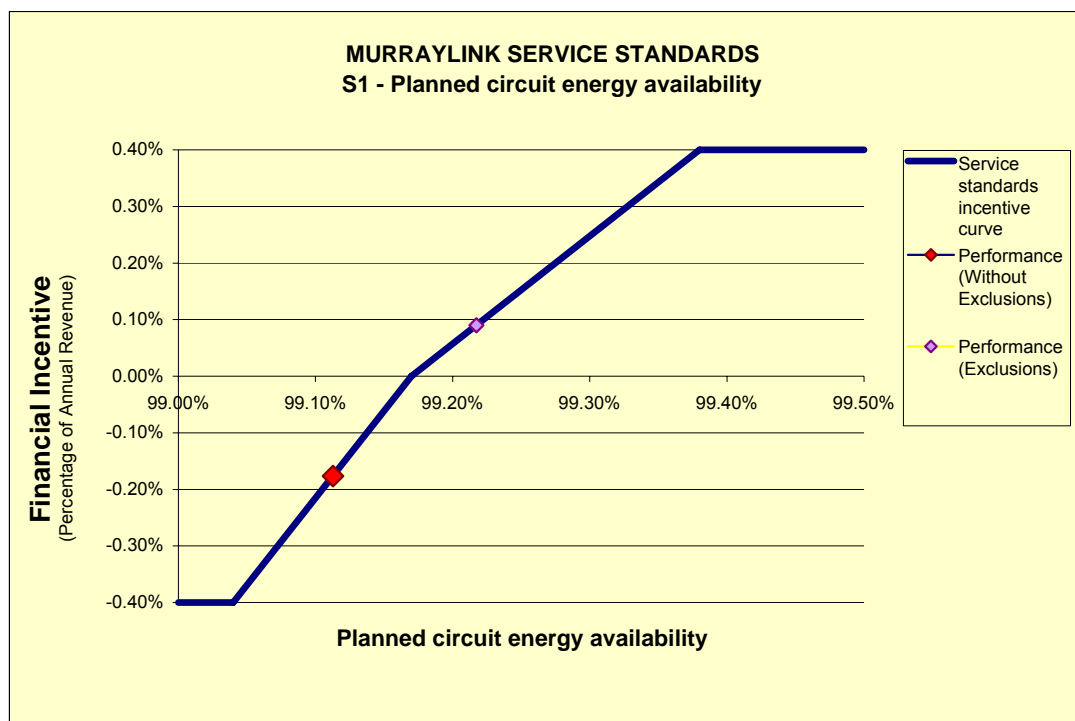
NOTES: This sheet will automatically update based on data in input sheets.

Blue cells show Murraylink's performance targets and weightings.

Yellow/Green cells show Murraylink's performance formulae and related formula conditions based on performance targets and weightings

Pink cells show Murraylink performance outcomes without any events excluded from performance data

Orange cells show Murraylink's performance outcomes with events excluded from performance data



MURRAYLINK - S2 - Peak forced outage availability

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Peak forced outage availability	98.50%	98.90%	99.48%	100.00%	100.00%
Weighting	-0.40%	-0.40%	0.00%	0.40%	0.40%

Performance Formulae	Formulae					Conditions	S- Calc 1	S- Calc 2
Performance	=	-0.004000				Availability < 98.90%	-0.004000	-0.004000
	=	0.689655	x	Availability	+	-0.686069 98.90% ≤ Availability ≤ 99.48%	0.003320	0.003547
	=	0.769231	x	Availability	+	-0.765231 99.48% ≤ Availability ≤ 100.00%	0.003703	0.003956
	=	0.004000				100.00% < Availability	0.004000	0.004000

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Peak forced outage availability	=	99.961377%	99.994292%
S-Factor Result	=	0.370290%	0.395609%

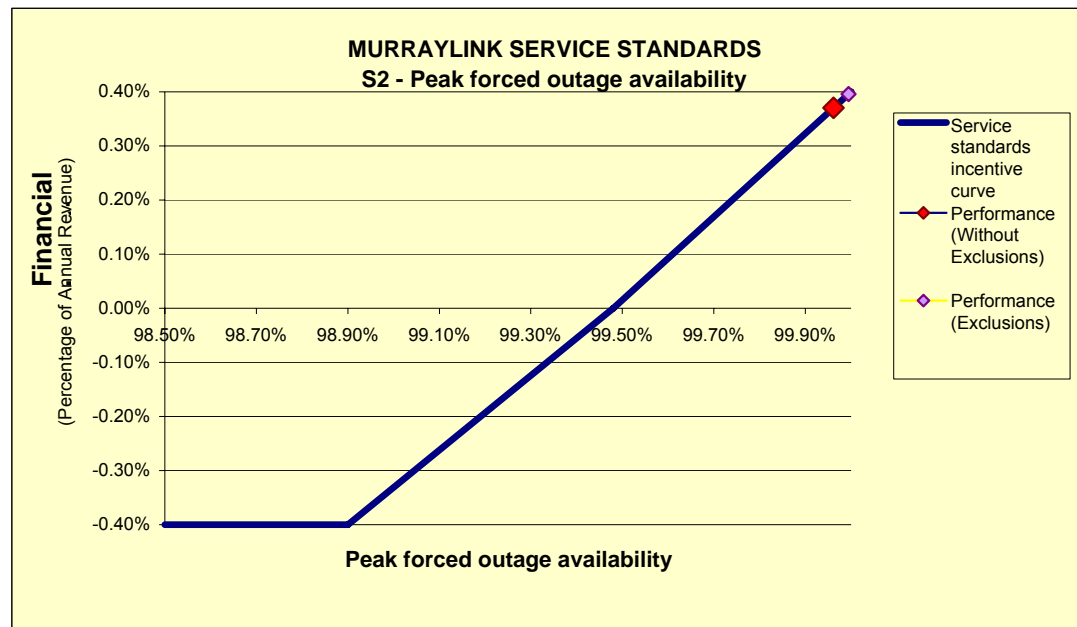
NOTE: This sheet will automatically update based on data in input sheets.

Blue cells show Murraylink's performance targets and weightings

Yellow/Green cells show Murraylink's performance formulae and related formula conditions based on performance targets and weightings

Pink cells show Murraylink's performance outcomes without any events excluded from performance data

Orange cells show Murraylink's performance outcomes with events excluded from performance data



MURRAYLINK - S3 - Off-peak forced outage availability

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Off-peak forced outage availability	98.70%	98.84%	99.34%	99.94%	100.00%
Weighting	-0.20%	-0.20%	0.00%	0.20%	0.20%

Performance Formulae	Formulae					Conditions	S- Calc 1	S- Calc 2
Performance	=	-0.002000				When: Availability < 98.84%	-0.002000	-0.002000
	=	0.400000	x	Availability	+	-0.397360 98.84% ≤ Availability ≤ 99.34%	0.002237	0.002450
	=	0.333333	x	Availability	+	-0.331133 99.34% ≤ Availability ≤ 99.94%	0.001864	0.002041
	=	0.002000				99.94% < Availability	0.002000	0.002000

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Off-peak forced outage availability	=	99.899163%	99.952435%
S-Factor Result	=	0.186388%	0.200000%

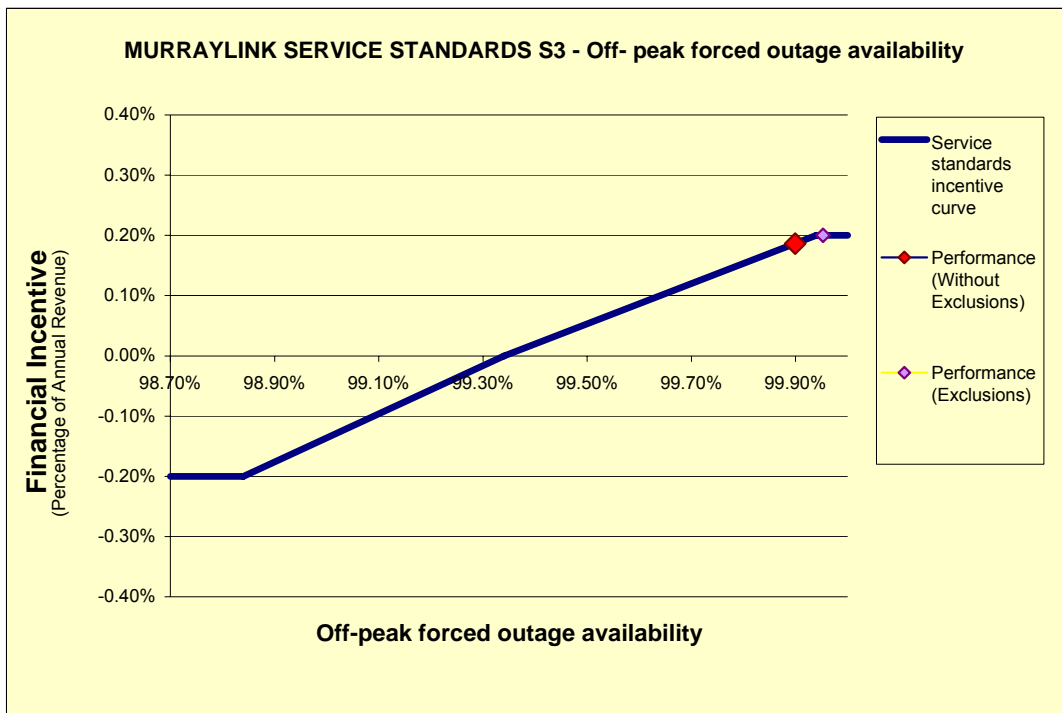
NOTE: This sheet will automatically update based on data in input sheets.

Blue cells show Murraylink's performance targets and weightings

Yellow/Green cells show Murraylink's performance formulae and related formula conditions based on performance targets and weightings

Pink cells show Murraylink's performance outcomes without any events excluded from performance data

Orange cells show Murraylink's performance outcomes with events excluded from performance data



MURRAYLINK - Revenue Calculation

Revenue cap information	
Base revenue (AR) - (1 Oct 2003-30 June 2004)	\$8,900,000
Base year	2003-04
Commencement of regulatory period	1-Oct-03
Commencement of 2004 calendar year	1-Jan-04
Commencement of 2004-05 financial year	1-Jul-04
Revenue cap revocation: 2004-05 Revenue (with 03-04 correction)	\$12,803,000
Revenue cap revocation: 2004-05 Revenue (without 03-04 correction)	\$12,403,000
X-factor	1.20%

Annual revenue adjusted for CPI	Mar-03	Mar-04	Mar-05	Mar-06	Mar-07	Mar-08
CPI	141.3	144.1	147.5	151.9	155.6	162.2
	2003-04	2004-05*	2005-06	2006-07	2007-08	2008-09
Annual Revenue	\$8,900,000	\$12,403,000	\$12,543,298	\$12,762,461	\$12,916,451	\$13,302,749

Calendar year revenue	2003	2004*	2005	2006	2007	2008
Revenue	\$2,243,288	\$10,639,308	\$12,473,149	\$12,652,879	\$12,839,456	\$13,109,600

Notes

Murraylink's revenue cap commenced 1 October 2003. Based on a further application by MTC on 2 February 2004, the Australian Competition and Consumer Commission revoked and substituted Murraylink's revenue cap decision on 31 March 2004. This resulted in a revised revenue path from 2004-05 for the remainder of the regulatory period. Revenue calculations for 2004-05 included a one-off correction for the 2003-04 period.

* The annual revenue for the 2004-05 year does not include the one-off correction for the 2003-04 period. This to enable a simple escalation of annual revenues from 2004-05 onwards. The 2004 calendar year revenue is indicative only.

Grey cells show calendar year revenue

Green cells are for formula

MURRAYLINK- Performance outcomes

Revenue calendar year	\$13,109,600
-----------------------	--------------

Performance parameter	S	Target	Performance without exclusions			Performance with exclusions			Impact of exclusions
			Performance	S-Factor	Final Incentive	Performance	S-Factor	Final Incentive	
Planned circuit energy availability	S1	99.17%	99.112633%	-0.176513%	-\$23,140	99.22%	0.090049%	\$11,805	0.266562%
Peak forced outage availability	S2	99.48%	99.961377%	0.370290%	\$48,544	99.99%	0.395609%	\$51,863	0.025319%
Off- peak forced outage availability	S3	99.34%	99.899163%	0.186388%	\$24,435	99.95%	0.200000%	\$26,219	0.013612%
TOTALS			0.380165%\$49,838			0.685658%\$89,887			0.305493%

NOTE:
This sheet will automatically update based on data in input sheets.

Grey cell shows relevant calendar year revenue

Green cells show performance measure targets

Pink cells show performance, s-factor results and financial incentive without exclusions

Orange cells show performance, s-factor results and financial incentive with exclusions

Blue cells show the impact of exclusions on revenue

Aggregate outcome	
S-factor	0.685658%
Bonus (penalty)	\$89,887
Financial year to affect revenue	2009–10

MURRAYLINK - Defined exclusions

No.	Measure 1- Planned circuit energy availability		
	Defined exclusions	Further description of exclusion	Reference
1.1	Unregulated transmission assets	Any outages caused by a 3rd party such as intertrip signals, generator outage, customer installation, customer request or NEMMCO direction.	Schedule 1 AER Service Standards Guidelines
1.2	Third party outage		Schedule 1 AER Service Standards Guidelines
1.3	Force majeure		Appendix H of the <i>MTC Application for Conversion and MAR: Decision</i>
	Measure 2- Peak forced outage availability		
	Defined exclusions	Further description of exclusion	Reference
1.1	Unregulated transmission assets	Any outages caused by a 3rd party such as intertrip signals, generator outage, customer installation, customer request or NEMMCO direction.	Schedule 1 AER Service Standards Guidelines
1.2	Third party outage		Schedule 1 AER Service Standards Guidelines
1.3	Force majeure		Appendix H of the <i>MTC Application for Conversion and MAR: Decision</i>
	Measure 3- Off- peak forced outage availability		
	Defined exclusions	Further description of exclusion	Reference
1.1	Unregulated transmission assets	Any outages caused by a 3rd party such as intertrip signals, generator outage, customer installation, customer request or NEMMCO direction.	Schedule 1 AER Service Standards Guidelines
1.2	Third party outage		Schedule 1 AER Service Standards Guidelines
1.3	Force majeure		Appendix H of the <i>MTC Application for Conversion and MAR: Decision</i>