TEMPLATE EXPLANATION

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

Yellow worksheets (**'Inputs - Performance'** and **'Inputs - Exclusions'**) are for inputs, including performance and exclusion information. The TNSP 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 the TNSP's performance in 'Inputs-Performance' and 'Revenue Calculation' worksheets.

Murraylink - SERVICE STANDARDS PERFORMANCE

Performance Inputs

S	Performance parameter	Collar	Target	Cap	Revenue at Risk	Performance (Without exclusions)	Performance (With exclusions)
S1	*Planned circuit availability*	99.04%	99.17%	99.38%	0.40%	98.31%	98.61%
S2	*Peak forced outage availability*	98.90%	99.48%	100.00%	0.40%	99.77%	99.93%
S3	*Off- peak forced outage availability*	98.84%	99.34%	99.94%	0.20%	100.00%	100.00%

Revenue Determination Inputs

TNSP:	Murraylink
STPIS version:	March, 2011
Regulatory Determination	2013/14 - 2017/18
Base Year Allowed Revenue	$13,170,000
Base Year	2013-14
X-factor	1.20%
Commencement of regulatory year	1-Jul-13

Other inputs

Assessment Period	2015
Financial year to affect revenue:	2016/17
Date prepared:	29 January 2015
Revision date:	29 January 2015
Other inputs	
Number of circuits	1

Other Inputs

Annual revenue adjusted for CPI	Mar-13	Mar-14	Mar-15	Mar-16	Mar-17	Mar-18
CPI	102.4	105.4	106.8			

NOTES:

Pink cells - Performance without exclusions input cells

Orange cells - Performance with exclusions input cells

Green cells - Other inputs

Blue cells - Inputs sourced from the revenue determination

Performance is based on a calendar year or the proportion of a calendar year that applies in each regulatory period.

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	Total hours unavailable	Circuits affected	Reactive plant or transformer	Quantitative impact	Reasons for exclusion request	Further references
Name of any circuit availability parameters		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 circuits affected	Name of any reactive plant or transformer affected	Impact of exclusion event on availability sub-parameter	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 availability	RUNBACK SEVER TESTING		Murraylink Berri isolated for sever trip scheme testing.	30/07/15	04:59:00	30/07/15	21:59:00	17	Murraylink		-0.001941	Third Party Event	
S1		RUNBACK SEVER TESTING		Murraylink Berri isolated for sever trip scheme testing.	31/07/15	07:25:00	31/07/15	16:48:00	9.38333333	Murraylink		-0.001071	Third Party Event	
S1									0			0.000000		
S1									0			0.000000		
S1									0			0.000000		
S1									0			0.000000		
S1									0			0.000000		
S2	Peak forced outage availability	RUNBACK SEVER TRIP		Murraylink Berri under frequency protection operation. Murraylink separated from the SA network at Monash Substation.	3/02/15	10:04:00	3/02/15	11:24:00	1.33			-0.000351	Third Party Event	
S2		RUNBACK SEVER TRIP		Murraylink Berri over frequency protection operation. Murraylink separated from the SA network at Monash Substation.	29/04/15	14:17:00	29/04/15	15:52:00	1.58			-0.000417	Third Party Event	
S2		RUNBACK SEVER TESTING TRIP		Murraylink Berri trip caused by sever trip scheme testing.	21/07/15	12:00:00	21/07/15	15:00:00	3.00			-0.000791	Third Party Event	
S2									0.00			0.000000		
S2									0.00			0.000000		
S2									0.00			0.000000		
S2									0.00			0.000000		
S3	Off- peak forced outage availability								0.00			0.000000		
S3									0.00			0.000000		
S3									0.00			0.000000		
S3									0.00			0.000000		
S3									0.00			0.000000		
S3									0.00			0.000000		
S3									0.00			0.000000		

Exclusion calculation data

Peak start	Peak finish
7:00	22:00

Off peak finish	Off peak start
7:00	22:00

Public holidays 2015

1/01/2015
26/01/2015
3/04/2015
4/04/2015
5/04/2015
6/04/2015
25/04/2015
8/06/2015
6/10/2015
25/12/2015
26/12/2015
28/12/2015

No of weekdays in year (excl public holidays)

1/01/2015	31/12/2015	253

No of weekend days and public holidays

112

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 measure 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.

Murraylink - S1 - Planned circuit availability

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Planned circuit availability	98.80%	99.04%	99.17%	99.38%	99.60%
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	<	99.04%	-0.004000	-0.004000
	=	3.076923	x	Availability	+	-3.051385	99.04% ≤	Availability	≤ 99.17%	-0.026569	-0.017302
	=	1.904762	x	Availability	+	-1.888952	99.17% ≤	Availability	≤ 99.38%	-0.016447	-0.010711
	=	0.004000				99.38% <	Availability		0.004000	0.004000

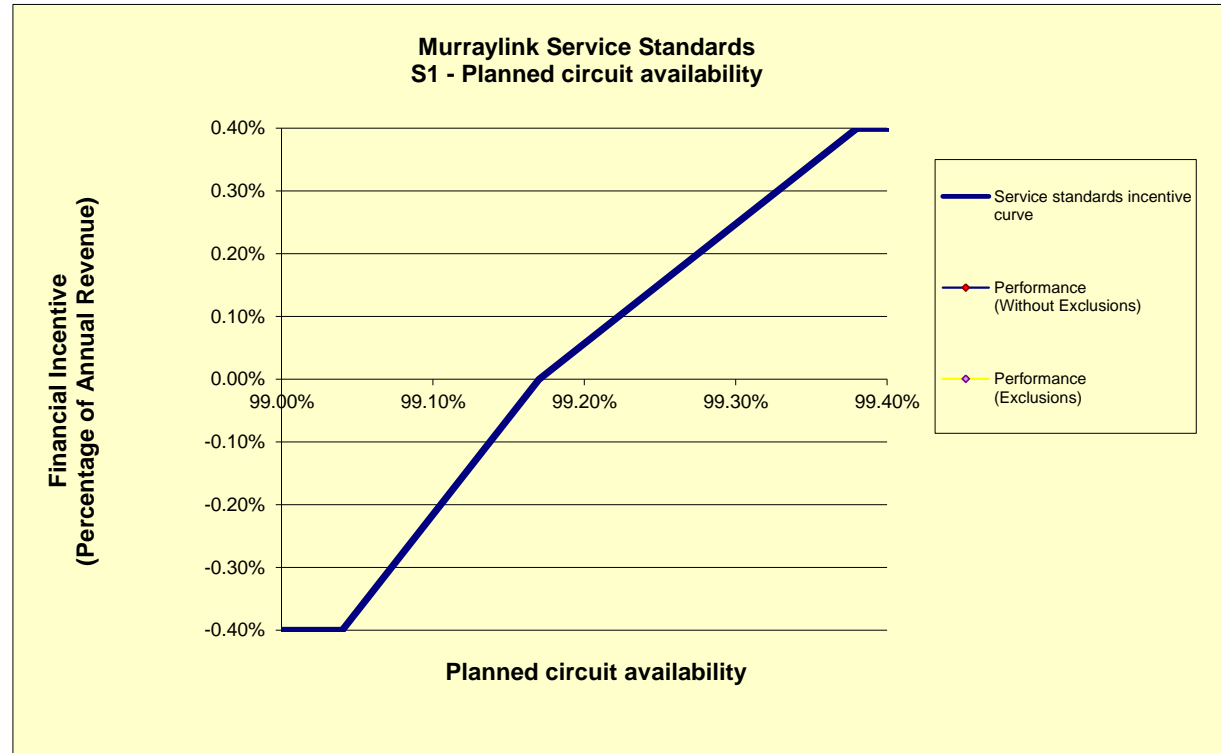| Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Planned circuit availability	=	98.306507%	98.607686%
S-Factor	=	-0.400000%	-0.400000%

NOTE:

This sheet will automatically update based on data in input sheets

Blue cells show the TNSP's performance targets and weightings

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

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

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

**Murraylink Service Standards
S1 - Planned circuit availability**

Legend:
- Service standards incentive curve
- Performance (Without Exclusions)
- Performance (Exclusions)

Y-axis: Financial Incentive (Percentage of Annual Revenue)
X-axis: Planned circuit availability

Murraylink - S2 - Peak forced outage availability

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Peak forced outage availability	98.70%	98.90%	99.48%	100.00%	100.20%
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	<	98.90%	-0.004000	-0.004000
	=	0.689655	x	Availability	+	-0.686069	98.90% ≤	Availability	≤	99.48%	0.002029	0.003105
	=	0.769231	x	Availability	+	-0.765231	99.48% ≤	Availability	≤	100.00%	0.002264	0.003463
	=	0.004000				100.00% <	Availability			0.004000	0.004000

| Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Peak forced outage availability	=	99.774264%	99.930171%
S-Factor	=	0.226357%	0.346286%

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

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

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

Murraylink Service Standards
S2 - Peak forced outage availability
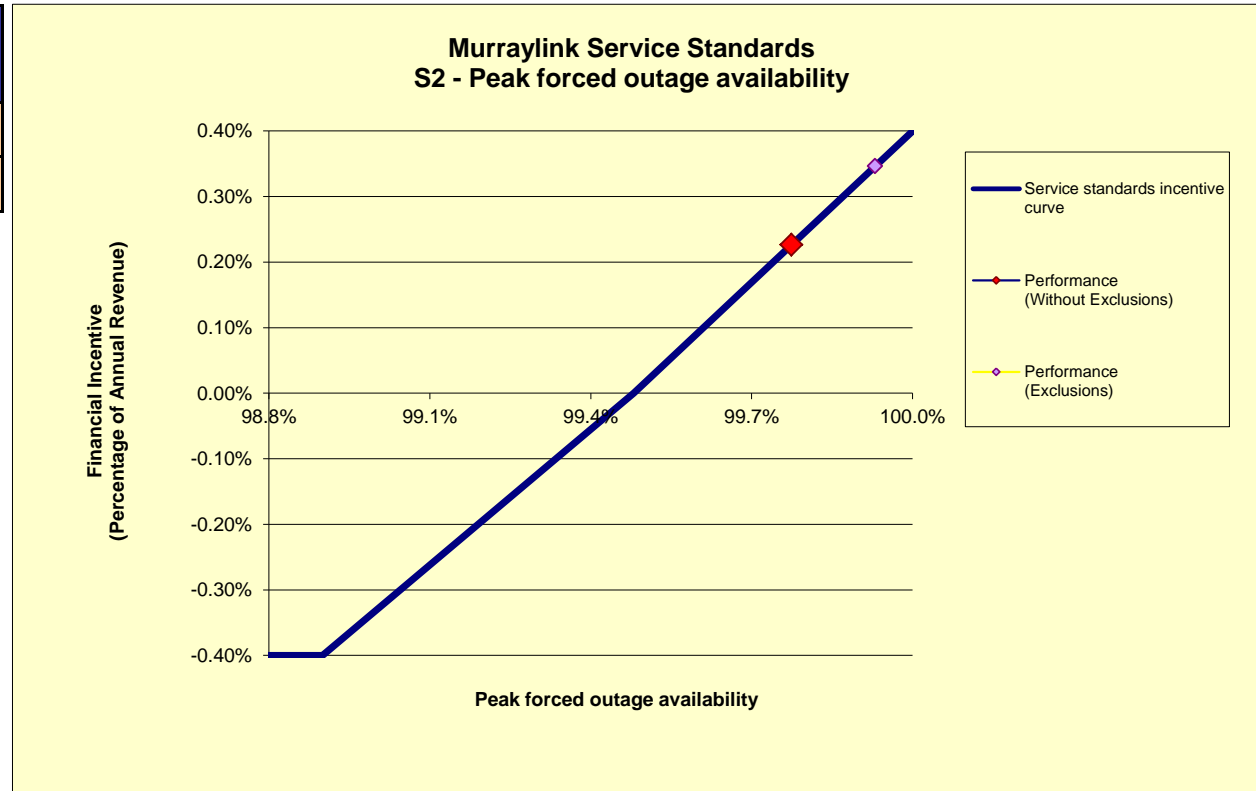
Murraylink - S3 - Off- peak forced outage availability

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Off- peak forced outage availability	98.60%	98.84%	99.34%	99.94%	100.10%
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%	0.002640	0.002640
	=	0.333333	x	Availability	+	-0.331133	99.34%	≤	Availability	≤	99.94%	0.002200	0.002200
	=	0.002000					99.94%	<	Availability		0.002000	0.002000

| Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Off- peak forced outage availability	=	100.000000%	100.000000%
S-Factor	=	0.200000%	0.200000%

NOTE:

This sheet will automatically update based on data in input sheets

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

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

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

Murraylink Service Standards
S3 - Off-peak forced outage availability
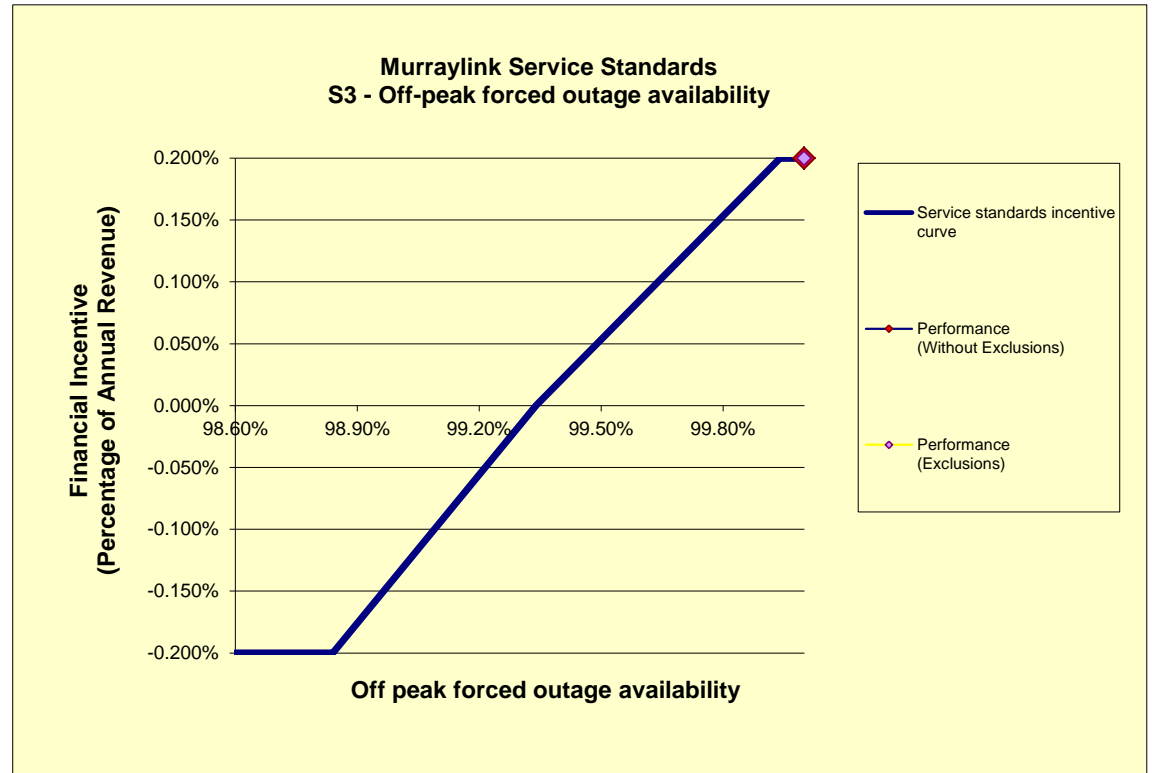
Murraylink - Revenue Calculation

Revenue cap information	
Base year allowed revenue	$13,170,000
Base year	2013-14
X-factor	1.20%
Commencement of regulatory period	1-Jul-13

Annual revenue adjusted for CPI	Mar-13	Mar-14	Mar-15	Mar-16	Mar-17	Mar-18
CPI	102.4	105.4	106.8	-	-	-

Nominal annual revenue	2013-14	2014-15	2015-16	2016-17	2017-18
Allowed Revenue	$13,170,000	$13,393,170	$13,408,215		

Calendar year revenue	2H 2013	2014	2015	2016	2017	2018
Revenue	$6,585,000	$13,281,585	$13,400,692			

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

Murraylink - Performance outcomes

Revenue calendar year	$13,400,692

S	Performance parameter	Target	Performance without exclusions			Performance with exclusions			Impact of exclusions
			Performance	S-Factor	Final Incentive	Performance	S-Factor	Final Incentive	
S1	Planned circuit availability	99.17%	98.306507%	-0.400000%	-$53,603	98.607686%	-0.400000%	-$53,603	0.000000%
S2	Peak forced outage availability	99.48%	99.774264%	0.226357%	$30,333	99.930171%	0.346286%	$46,405	0.119928%
S3	Off- peak forced outage availability	99.34%	100.000000%	0.200000%	$26,801	100.000000%	0.200000%	$26,801	0.000000%
	TOTALS			0.026357%	$3,532		0.146286%	$19,603	0.119928%

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	0.146286%
Financial Incentive	$19,603
Financial year affected by financial incentive	2016/17