

## TEMPLATE EXPLANATION



This template must be used by Transend to report service performance information for the second half of the 2009 calendar year.

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

Purple worksheets '**S1**' to '**S7**' are the s-factor results based on the performance inputs from the 'Inputs - Performance' worksheet. (NB: The caps, collars and targets for s-factor worksheets 'S4' and 'S5' have been scaled as this workbook only applies to the last six months of the 2009 calendar year)

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 Transend's performance in 'Inputs-Performance' and 'Revenue Calculation' worksheets.

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

TRANSEND - SERVICE STANDARDS PERFORMANCE Jul-Dec 2009

<b>PERFORMANCE PARAMETERS</b>	<b>S</b>	<b>Performance (Without exclusions)</b>	<b>Performance (With exclusions)</b>
<b>Transmission circuit availability (critical)</b>	S1	99.910000%	99.920000%
<b>Transmission circuit availability (non-critical)</b>	S2	97.780000%	99.260000%
<b>Transformer availability</b>	S3	99.280000%	99.280000%
<b>Frequency of loss of supply events (Events &gt; 0.1 system minutes)</b>	S4	6.00	5.00
<b>Frequency of loss of supply events (Events &gt; 1.0 system minutes)</b>	S5	3.00	2.00
<b>Average outage duration - transmission lines (no revenue attached)</b>	S6	154.00	168.00
<b>Average outage duration - transformers (no revenue attached)</b>	S7	414.00	414.00

<b>Date prepared:</b>	28 January 2010
<b>Revision date:</b>	

**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

TRANSEND - Proposed exclusions for Jul-Dec 2009

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	Circuits affected	Reactive plant or transformer	Quantitative impact	Reasons for exclusion request	Further references
Name of any circuit availability measures applying to Transend		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	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	Transmission circuit availability (critical)	Generator Requested outages and Generator Shared outages	Various, see OMQ Data 2009 Spreadsheet	Multiple circuit outages, see OMQ Data 2009 Spreadsheet for details.					Various		1050 cct minutes	Defined Exclusion 1.3 Third Party Outage	For details see OMQ Data 2009 Spreadsheet. For associated customer outage times see TRIM 10/5570 (available on request).
S2	Transmission availability (non-critical)	Generator Requested outages and Generator Shared outages	Various, see OMQ Data 2009 Spreadsheet	Multiple circuit outages, see OMQ Data 2009 Spreadsheet for details.					Various		292,263 cct minutes	Defined Exclusion 1.3 Third Party Outage	For details see OMQ Data 2009 Spreadsheet. For associated customer outage times see TRIM 10/5570 (available on request).
		IR721 BU-ST and BU-PL tripped during severe wind storms.	BU-ST and BU-PL 110 kV transmission line circuits interrupted during widespread destructive winds. Loss of supply at Smithton and Port Latta substations.	Storm	27/09/2009 12:16		27/09/2009 13:50		Burnie-Smithton and Burnie-Port Latta 110kV transmission line circuits.		94 cct minutes	Defined Exclusion 1.4 Force Majeure	For details see OMQ Data 2009 Spreadsheet and Investigation Report IR 721.
S3	Transformer availability	nil events											

LOSS OF SUPPLY EVENT FREQUENCY		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	Circuits effected	Maximum system demand	Quantitative impact	Demand shed and time	Reasons for exclusion request	Further references
Name of any loss of supply measures applying to Transend		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 brief description of the cause of the event	Start date and time of event		End date and time of event		Name of circuits or plant affected	The loss of supply (system minutes) that resulted from the event.	Number of hours, mins etc interrupted	The (MW) demand shed and the duration it was shed for.	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 3.2 Third party event	A TNSP may provide further details of an exclusion event. TNSP to provide reference.
S4	Frequency of loss of supply (events > 0.1 system minutes)	IR721 BU-ST and BU-PL tripped during severe wind storms.	Burnie-Smithton and Burnie-Port Latta 110kV transmission circuits	Storm	27/09/2009 12:16		27/09/2009 13:50		BU-ST and BU-PL 110kV transmission circuits	1.02 system minutes	94 minutes	18.7 MW shed for 94 minutes.	Defined Exclusion 1.4 Force Majeure	For details see OMQ Data 2009 Spreadsheet and Investigation Report IR 721.
S5	Frequency of loss of supply events (events > 1.0 system minutes)	IR721 BU-ST and BU-PL tripped during severe wind storms.	Burnie-Smithton and Burnie-Port Latta 110kV transmission circuits	Storm	27/09/2009 12:16		27/09/2009 13:50		BU-ST and BU-PL 110kV transmission circuits	1.02 system minutes	94 minutes	18.7 MW shed for 94 minutes.	Defined Exclusion 1.4 Force Majeure	For details see OMQ Data 2009 Spreadsheet and Investigation Report IR 721.

AVERAGE OUTAGE DURATION		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	Circuits affected	Quantitative impact	Capped impact (if applicable)	Reasons for exclusion request	Further references
Name of any average outage duration parameters applying to TransGrid		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 or plant affected	Number of hours, mins etc interrupted	Impact following any applicable cap	Full details of the reasons for excluding this event. Should include a reference to the defined exclusions and explain how it meets the 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.
S6	Average outage duration transmission lines	Generator Requested outages	Various, see OMQ Data 2009 Spreadsheet	Multiple circuit outages, see OMQ Data 2009 Spreadsheet for details.					Various		58 cct minutes	Defined Exclusion 1.3 Third Party Outage	For details see OMQ Data 2009 Spreadsheet. For associated customer outage times see TRIM 10/5570 (available on request).
		IR721 BU-ST and BU-PL tripped during severe wind storms.	Burnie-Smithton and Burnie-Port Latta 110kV transmission circuits	Storm	27/09/2009 12:16		27/09/2009 13:50		BU-ST and BU-PL 110kV transmission circuits		94 cct minutes	Defined Exclusion 1.4 Force Majeure	For details see OMQ Data 2009 Spreadsheet and Investigation Report IR 721.

S7	Average outage duration transformers	nil events												

**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

TRANSEND- S1 - Transmission circuit availability (critical)

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Transmission circuit availability (critical)	97.50%	97.90%	99.13%	99.75%	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 < 97.90%	-0.002000	-0.002000
	=	0.162602	x	Availability +	97.90% ≤ Availability ≤ 99.13%	0.001268	0.001285
	=	0.322581	x	Availability +	99.13% ≤ Availability ≤ 99.75%	0.002516	0.002548
	=	0.002000			99.75% < Availability	0.002000	0.002000

Performance Outcomes		Performance (Without Exclusions)	Performance (With Exclusions)
Transmission circuit availability (critical)	=	99.910000%	99.920000%
S-Factor Result	=	0.200000%	0.200000%

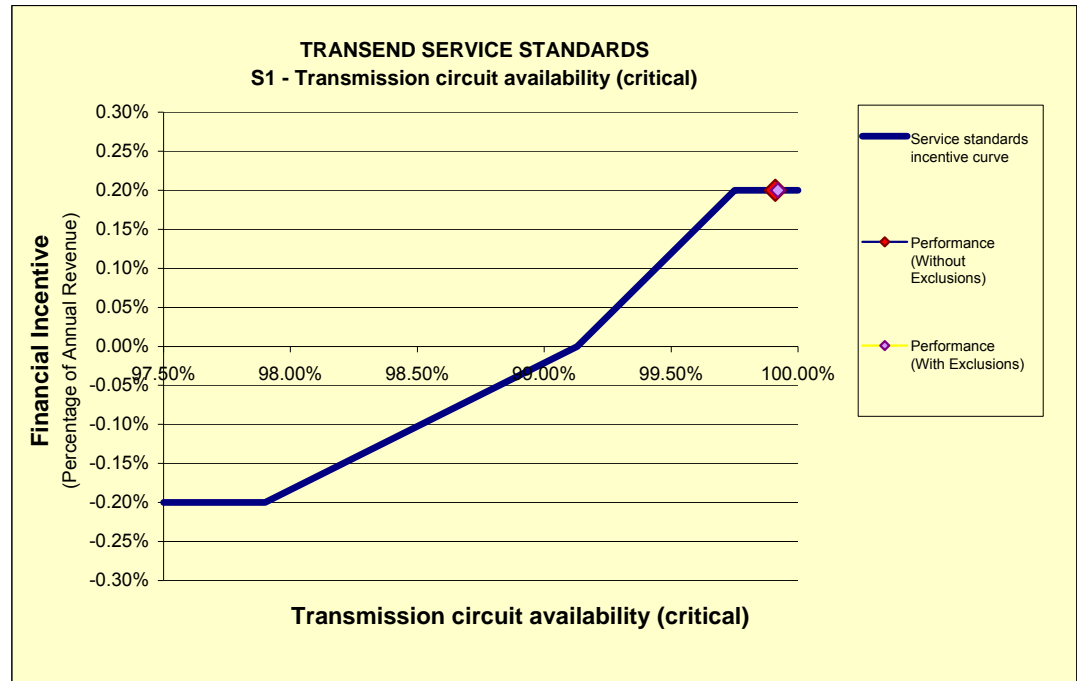
**NOTE: This sheet will automatically update based on data in input sheets.**

Blue cells show Transend's performance targets and weightings

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

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

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



TRANSEND- S2 - Transmission circuit availability (non-critical)

Performance Targets	Graph start	Collar	Target	Cap	Graph end
circuit availability (non-critic	98.00%	98.48%	98.97%	99.47%	99.80%
Weighting	-0.10%	-0.10%	0.00%	0.10%	0.10%

Performance Formulae	Formulae				Conditions	S- Calc 1	S- Calc 2
Performance	=	-0.0010			When: Availability < 98.48%	-0.001000	-0.001000
	=	0.2041	x	Availability	+ 98.48% ≤ Availability ≤ 98.97%	-0.002429	0.000592
	=	0.2000	x	Availability	+ 98.97% ≤ Availability ≤ 99.47%	-0.002380	0.000580
	=	0.0010			99.47% < Availability	0.001000	0.001000

Performance Outcomes		Performance (Without Exclusions)	Performance (With Exclusions)
circuit availability (non-critic	=	97.780000%	99.260000%
S-Factor Result	=	-0.100000%	0.058000%

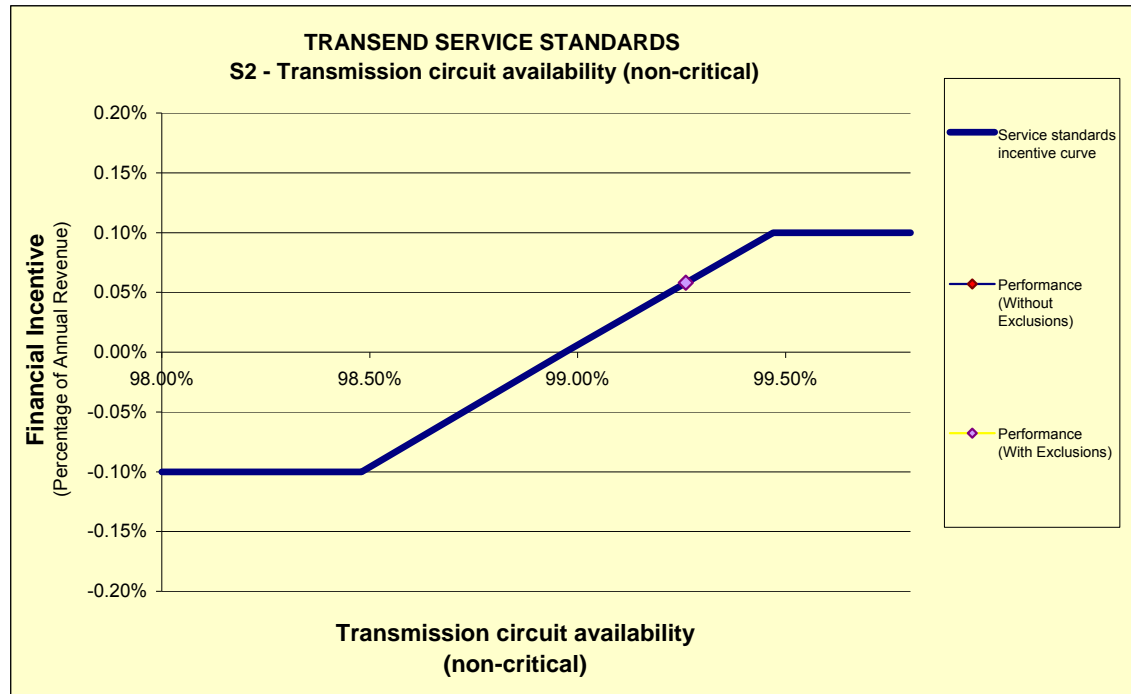
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TRANSEND- S3 - Transformer availability

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Transformer availability	98.40%	98.67%	99.28%	99.90%	100.00%
Weighting	-0.15%	-0.15%	0.00%	0.15%	0.15%

Performance Formulae	Formulae				Conditions	S- Calc 1	S- Calc 2
Performance	=	-0.0015			When: Availability < 98.67%	-0.001500	-0.001500
	=	0.2459	x	Availability	+ 98.67% ≤ Availability ≤ 99.28%	0.000000	0.000000
	=	0.2419	x	Availability	+ 99.28% ≤ Availability ≤ 99.90%	0.000000	0.000000
	=	0.0015			99.90% < Availability	0.001500	0.001500

Performance Outcomes		Performance (Without Exclusions)	Performance (With Exclusions)
Transformer availability	=	99.280000%	99.280000%
S-Factor Result	=	0.000000%	0.000000%

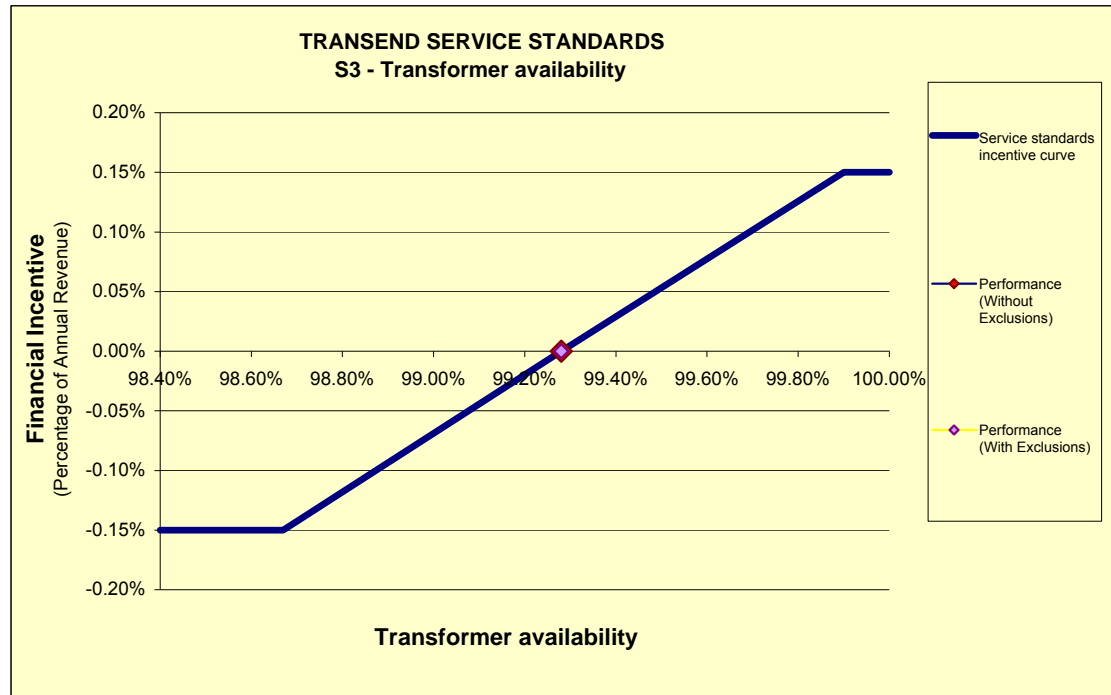
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Orange cells show Transend's performance outcomes with events excluded from performance data



TRANSEND - S4 - Frequency of loss of supply events (>0.1 system minutes)

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Frequency of loss of supply events (> 0.1 system minutes)	17	11	8	5	4
Weighting	-0.20%	-0.20%	0.00%	0.20%	0.20%

Performance Formulae	Formulae					Conditions			S- Calc 1	S- Calc 2			
Performance	=	-0.002000				11.00	<	No. of events		-0.002000	-0.002000		
	=	-0.000667	x	No. of events	+	0.005333	8.00	≤	No. of events	≤	11.00	0.001333	0.002000
	=	-0.000667	x	No. of events	+	0.005333	5.00	≤	No. of events	≤	8.00	0.001333	0.002000
	=	0.002000							No. of events	<	5.00	0.002000	0.002000

Performance Outcomes		Performance (Without Exclusions)	Performance (With Exclusions)
Frequency of loss of supply events (> 0.1 system minutes)	=	6.000000	5.000000
S-Factor Result	=	0.133333%	0.200000%

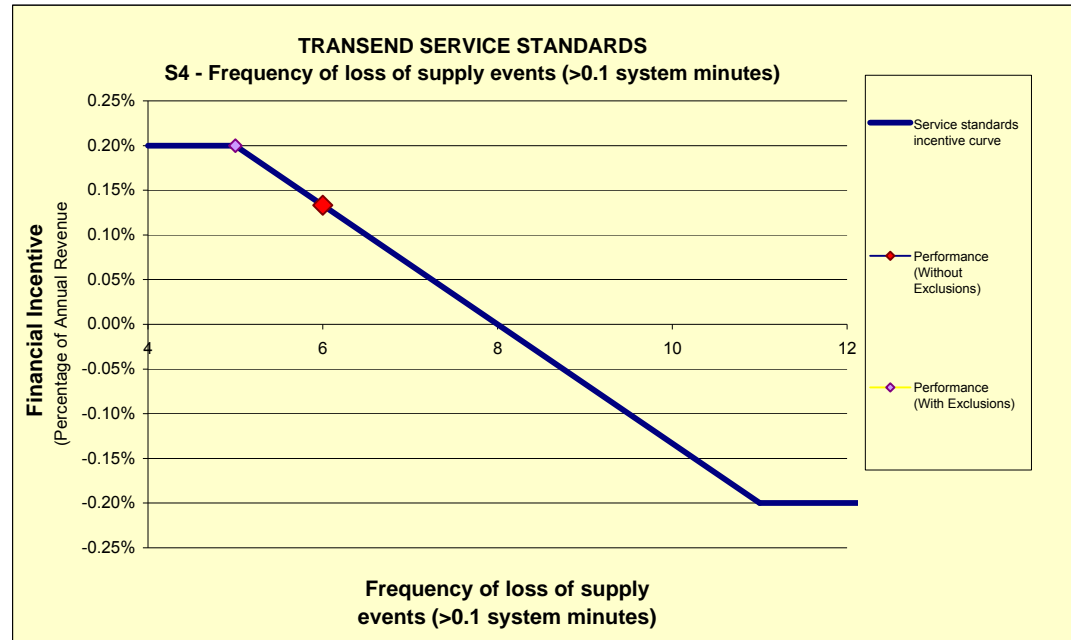
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Orange cells show Transend's performance outcomes with events excluded from performance data





TRANSEND - S5 - Frequency of loss of supply events (>1.0 system minutes)

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Frequency of loss of supply events (>1.0 system minutes)	3	2	1	0	0
Weighting	-0.35%	-0.35%	0.00%	0.35%	0.35%

Performance Formulae	Formulae					Conditions		S- Calc 1	S- Calc 2
Performance	=	-0.003500				2.00	< No. of events	-0.003500	-0.003500
	=	-0.003500	x	No. of events	+	0.003500	1.00 ≤ No. of events ≤ 2.00	-0.007000	-0.003500
	=	-0.003500	x	No. of events	+	0.003500	0.00 ≤ No. of events ≤ 1.00	-0.007000	-0.003500
	=	0.003500					No. of events < 0.00	0.003500	0.003500

Performance Outcomes		Performance (Without)	Performance (With)
Frequency of loss of supply events (>1.0 system minutes)	=	3.000000	2.000000
S-Factor Result	=	-0.350000%	-0.350000%

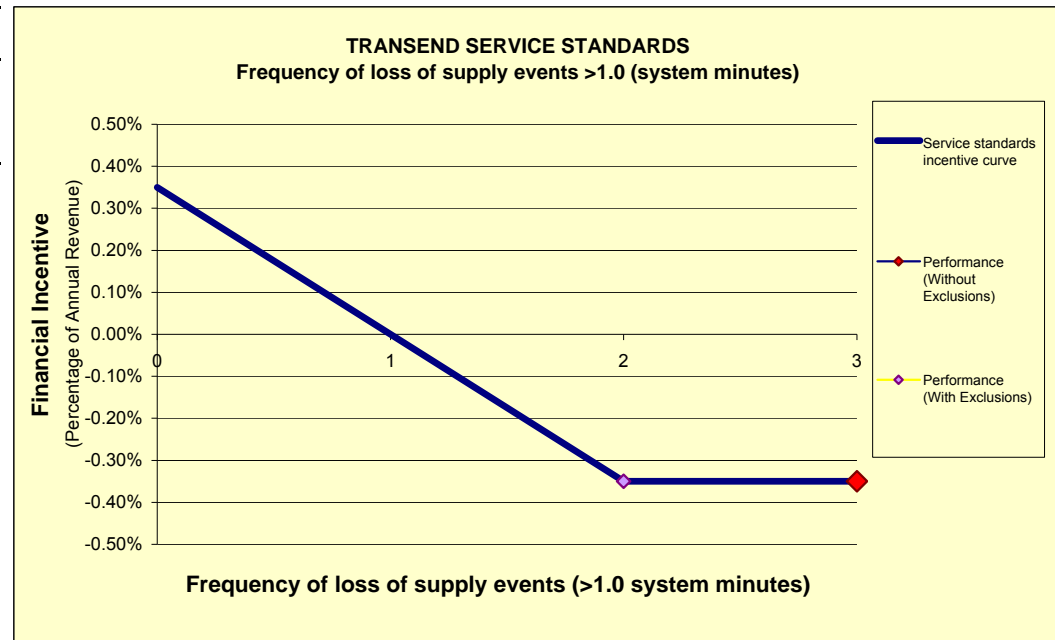
**NOTE: This sheet will automatically update based on data in input sheets.**

Blue cells show Transend's performance targets and weightings

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

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



TRANSEND - S6 - Average outage duration - transmission lines

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Average outage duration - transmission lines (no revenue attached)	550	529	326	124	120
Weighting	0.00%	0.00%	0.00%	0.00%	0.00%

Performance Formulae	Formulae					Conditions	S- Calc 1	S- Calc 2	
Performance	=	0.000000				529.00 < Duration	0.000000	0.000000	
	=	0.000000	x	No. of events	+	0.000000	326.00 ≤ Duration ≤ 529.00	0.000000	0.000000
	=	0.000000	x	No. of events	+	0.000000	124.00 ≤ Duration ≤ 326.00	0.000000	0.000000
	=	0.000000					Duration < 124.00	0.000000	0.000000

Performance Outcomes		Performance (Without Exclusions)	Performance (With Exclusions)
Average outage duration - transmission lines (no revenue attached)	=	154.000000	168.000000
S-Factor Result	=	0.000000%	0.000000%

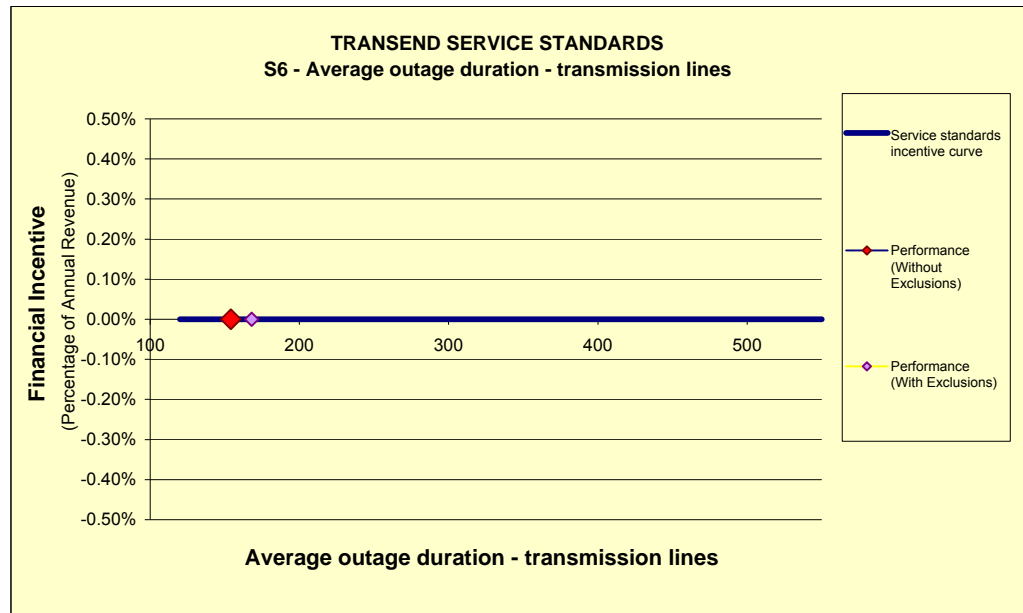
**NOTE: This sheet will automatically update based on data in input sheets.**

Blue cells show Transend's performance targets and weightings

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

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

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



TRANSEND - S7 - Average outage duration - transformers

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Average outage duration - transformers (no revenue attached)	1500	1428	712	354	340
Weighting	0.00%	0.00%	0.00%	0.00%	0.00%

Performance Formulae	Formulae					Conditions	S- Calc 1	S- Calc 2	
Performance	=	0.000000				1428.00 < Duration	0.000000	0.000000	
	=	0.000000	x	No. of events	+	0.000000	712.00 ≤ Duration ≤ 1428.00	0.000000	0.000000
	=	0.000000	x	No. of events	+	0.000000	354.00 ≤ Duration ≤ 712.00	0.000000	0.000000
	=	0.000000					Duration < 354.00	0.000000	0.000000

Performance Outcomes		Performance (Without Exclusions)	Performance (With Exclusions)
Average outage duration - transformers (no revenue attached)	=	414.000000	414.000000
S-Factor Result	=	0.000000%	0.000000%

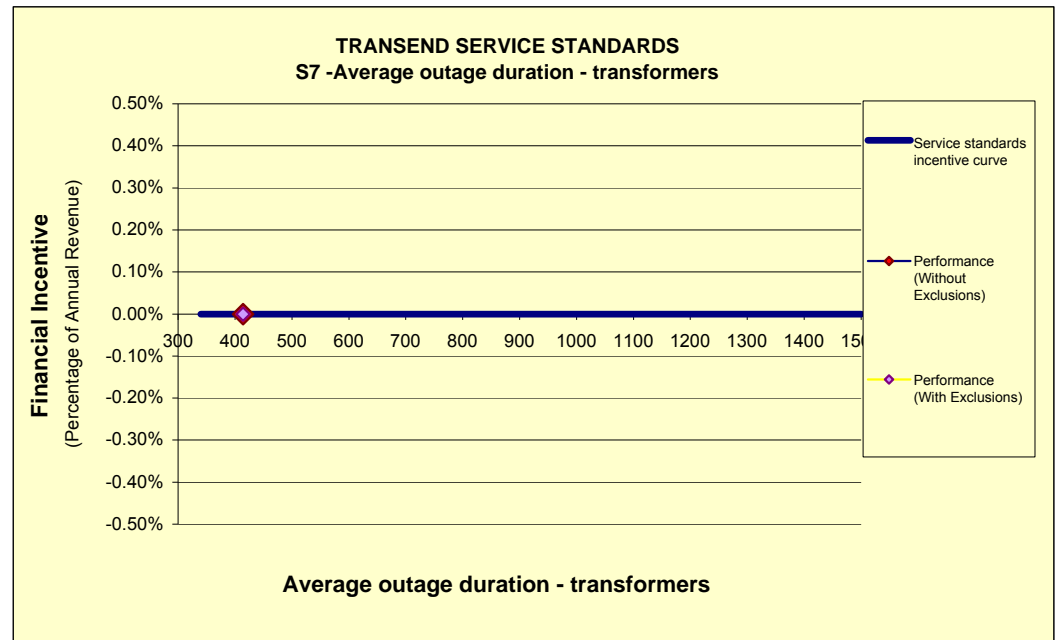
**NOTE: This sheet will automatically update based on data in input sheets.**

Blue cells show Transend's performance targets and weightings

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

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

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



## TRANSEND - Revenue Calculation

<b>Revenue cap information</b>	
Base revenue (AR) - nominal	\$177,200,000
Base year	2009-10
X-factor	-5.53%
Commencement of regulatory period	1-Jul-09

<b>Annual revenue adjusted for CPI</b>		Mar-09
CPI		166.2
		2009-10
Annual Revenue		\$177,200,000

<b>Calendar year revenue</b>		2009
Revenue		\$88,600,000

<p><b>NOTES:</b></p> <p>Grey cells show calendar year revenue</p> <p>Green cells are for formula</p>
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TRANSEND- Performance outcomes

Revenue calendar year **\$88,600,000**

Performance parameter	S	Target	Performance without exclusions			Performance with exclusions			Impact of exclusions
			Performance	S-Factor	Final Incentive	Performance	S-Factor	Final Incentive	
Transmission circuit availability (critical)	S1	99.13%	99.910000%	0.200000%	\$177,200	99.920000%	0.200000%	\$177,200	0.000000%
Transmission circuit availability (non-critical) availability	S2	98.97%	97.780000%	-0.100000%	-\$88,600	99.260000%	0.058000%	\$51,388	0.158000%
Transformer availability	S3	99.28%	99.280000%	0.000000%	\$0	99.280000%	0.000000%	\$0	0.000000%
Frequency of loss of supply events (> 0.1 system minutes)	S4	8	6	0.133333%	\$118,133	5	0.200000%	\$177,200	0.066667%
Frequency of loss of supply events (>1.0 system minutes)	S5	1	3	-0.350000%	-\$310,100	2	-0.350000%	-\$310,100	0.000000%
Average outage duration - transmission lines (no revenue attached)	S6	326	154	0.000000%	\$0	168	0.000000%	\$0	0.000000%
Average outage duration - transformers (no revenue attached)	S7	712	414	0.000000%	\$0	414	0.000000%	\$0	0.000000%
<b>TOTALS</b>				-0.116667%	-\$103,367		0.108000%	\$95,688	0.224667%

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

Grey cell shows relevant calendar year revenue

Green cells show performance parameter 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	0.108000%
Bonus (penalty)	\$95,688
Financial year to affect revenue	2010-11

TRANSEND - Defined exclusions

Parameter 1- Transmission circuit availability (critical)			
Defined exclusions	Further description of exclusion	Reference	
1.1	Unregulated transmission assets	Outages on assets that are not providing prescribed transmission services.	Appendix F Transmission Determination Final Decision
1.2	Dedicated connection assets	Dedicated connection assets that supply a customer who has negotiated a higher (or lower) level of service requirement by the NER, where that customer has agreed to the cost (or discount) for that higher (or lower) level of service.	Appendix F Transmission Determination Final Decision
1.3	Third party outage	Circuit outages caused by a fault or other event on a third party system e.g. intertrip signal, generator outage (including coincident outages), customer installation (including a customer request), or by direction by fire service or NEMMCO.	Appendix F Transmission Determination Final Decision
1.4	Force majeure		Appendix F Transmission Determination Final Decision
Parameter 2 - Transmission circuit availability (non-critical)			
Defined exclusions	Further description of exclusion	Reference	
2.1	Unregulated transmission assets	Outages on assets that are not providing prescribed transmission services.	Appendix F Transmission Determination Final Decision
2.2	Dedicated connection assets	Dedicated connection assets that supply a customer who has negotiated a higher (or lower) level of service requirement by the NER, where that customer has agreed to the cost (or discount) for that higher (or lower) level of service.	Appendix F Transmission Determination Final Decision
2.3	Third party outage	Circuit outages caused by a fault or other event on a third party system e.g. intertrip signal, generator outage (including coincident outages), customer installation (including a customer request), or by direction by fire service or NEMMCO.	Appendix F Transmission Determination Final Decision
2.4	Force majeure		Appendix F Transmission Determination Final Decision
Parameter 3 - Transformer availability			
Defined exclusions	Further description of exclusion	Reference	
3.1	Unregulated transmission assets	Outages on assets that are not providing prescribed transmission services.	Appendix F Transmission Determination Final Decision
3.2	Dedicated connection assets	Dedicated connection assets that supply a customer who has negotiated a higher (or lower) level of service requirement by the NER, where that customer has agreed to the cost (or discount) for that higher (or lower) level of service.	Appendix F Transmission Determination Final Decision
3.3	Third party outage	Circuit outages caused by a fault or other event on a third party system e.g. intertrip signal, generator outage (including coincident outages), customer installation (including a customer request), or by direction by fire service or NEMMCO.	Appendix F Transmission Determination Final Decision
3.4	Force majeure		Appendix F Transmission Determination Final Decision
Parameter 4 - Frequency of loss of supply event (<=1.0 minute)			
Defined exclusions	Further description of exclusion	Reference	
4.1	Unregulated transmission assets	Outages on assets that are not providing prescribed transmission services.	Appendix F Transmission Determination Final Decision
4.2	Dedicated connection assets	Dedicated connection assets that supply a customer who has negotiated a higher (or lower) level of service requirement by the NER, where that customer has agreed to the cost (or discount) for that higher (or lower) level of service.	Appendix F Transmission Determination Final Decision
4.3	Third party outage	Circuit outages caused by a fault or other event on a third party system e.g. intertrip signal, generator outage (including coincident outages), customer installation (including a customer request), or by direction by fire service or NEMMCO.	Appendix F Transmission Determination Final Decision
4.4	Planned outages		Appendix F Transmission Determination Final Decision
4.5	Force majeure		Appendix F Transmission Determination Final Decision
Parameter 5 - Frequency of loss of supply event (>1.0 minute)			
Defined exclusions	Further description of exclusion	Reference	
5.1	Unregulated transmission assets	Outages on assets that are not providing prescribed transmission services.	Appendix F Transmission Determination Final Decision
5.2	Dedicated connection assets	Dedicated connection assets that supply a customer who has negotiated a higher (or lower) level of service requirement by the NER, where that customer has agreed to the cost (or discount) for that higher (or lower) level of service.	Appendix F Transmission Determination Final Decision
5.3	Third party outage	Circuit outages caused by a fault or other event on a third party system e.g. intertrip signal, generator outage (including coincident outages), customer installation (including a customer request), or by direction by fire service or NEMMCO.	Appendix F Transmission Determination Final Decision
5.4	Planned outages		Appendix F Transmission Determination Final Decision
5.5	Force majeure		Appendix F Transmission Determination Final Decision
Parameter 6 - Average outage duration - transmission lines			
Defined exclusions	Further description of exclusion	Reference	
6.1	Successful reclose events (less than on minute duration)		Appendix F Transmission Determination Final Decision
6.2	Unregulated transmission assets	Outages on assets that are not providing prescribed transmission services.	Appendix F Transmission Determination Final Decision
6.3	Dedicated connection assets	Dedicated connection assets that supply a customer who has negotiated a higher (or lower) level of service requirement by the NER, where that customer has agreed to the cost (or discount) for that higher (or lower) level of service.	Appendix F Transmission Determination Final Decision
6.4	Third party outage	Circuit outages caused by a fault or other event on a third party system e.g. intertrip signal, generator outage (including coincident outages), customer installation (including a customer request), or by direction by fire service or NEMMCO.	Appendix F Transmission Determination Final Decision
6.5	Planned outages		Appendix F Transmission Determination Final Decision
6.6	Force majeure		Appendix F Transmission Determination Final Decision
6.7	For all outages the duration is capped at seven days		Appendix F Transmission Determination Final Decision
Parameter 7 - Average outage duration - transformers			
Defined exclusions	Further description of exclusion	Reference	
7.1	Successful reclose events (less than on minute duration)		Appendix F Transmission Determination Final Decision
7.2	Unregulated transmission assets	Outages on assets that are not providing prescribed transmission services.	Appendix F Transmission Determination Final Decision
7.3	Dedicated connection assets	Dedicated connection assets that supply a customer who has negotiated a higher (or lower) level of service requirement by the NER, where that customer has agreed to the cost (or discount) for that higher (or lower) level of service.	Appendix F Transmission Determination Final Decision
7.4	Third party outage	Circuit outages caused by a fault or other event on a third party system e.g. intertrip signal, generator outage (including coincident outages), customer installation (including a customer request), or by direction by fire service or NEMMCO.	Appendix F Transmission Determination Final Decision
7.5	Planned outages		Appendix F Transmission Determination Final Decision
7.6	Force majeure		Appendix F Transmission Determination Final Decision
7.7	For all outages the duration is capped at seven days		Appendix F Transmission Determination Final Decision