



## TEMPLATE EXPLANATION

This template must be used by ElectraNet to report service performance information for the second half of the 2008 calendar year.

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

Purple worksheets **'S1' to 'S5'** 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 'S3' and 'S4' have been scaled as this template only applies to the last six months of the 2008 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 ElectraNet's performance in 'Inputs-Performance' and 'Revenue Calculation' worksheets.

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

## ELECTRANET - SERVICE STANDARDS PERFORMANCE

<b>PERFORMANCE PARAMETER</b>	<b>S</b>	<b>Performance (Without exclusions)</b>	<b>Performance (With exclusions)</b>
<b>Total transmission circuit availability</b>	S1	98.980%	99.050%
<b>Critical circuit availability – peak</b>	S2	97.192%	97.260%
<b>Loss of supply event frequency ( &gt;0.05 system minutes )</b>	S3	3	3
<b>Loss of supply event frequency ( &gt;0.2 system minutes )</b>	S4	1	1
<b>Average outage duration (minutes)</b>	S5	195	195
<b>Critical circuit availability – non-peak (zero weighting)</b>		97.25%	97.25%
<b>Date prepared:</b>		14 January 2009	
<b>Revision date:</b>		30 January 2009	

### NOTES:

Pink cells- Input performance without exclusions from performance data.

Orange cells- Input performance with exclusions from performance data.

The critical circuit availability (non-peak) parameter is not being used to calculate ElectraNet's s-factor however it must be reported by ElectraNet.

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

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	Quantitative impact	Reasons for exclusion request	Further references	
Name of any circuit availability parameters applying to Electrabel		Name of the event	A brief outline 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 circuit affected	Number of hours, mins etc interrupted	Full details of the reasons for excluding this event should include a reference to the defined exclusion and explain how it meets this exclusion definition (see Exclusion definition tab). Eg. Exclusion 1.3 Third party event.	A TNSP may provide further details of an exclusion event. TNSP to provide reference.	
S1	Total Circuit Availability	Mount Barker - Mobilong 132kV forced line outage	Para - Angas Creek 132kV line unplanned operation after conductors fell to the ground due to a line joint failure. Contingency switching for line repairs after conductor joint failure	Contingency Switching	28/07/08	17:54:00	27/07/08	01:30:00	MT BARKER - MOBILONG 132KV LINE	7.6	1.3 Outages to Control Voltages	Ensure voltage levels and line loadings are maintained within limits as per the NER requirements	
		Mount Barker - Mobilong 132kV forced line outage	Para - Angas Creek 132kV line unplanned operation after conductors fell to the ground due to a line joint failure. Contingency switching for line repairs after conductor joint failure	Contingency Switching	27/07/08	17:16:00	28/07/08	02:30:00	MT BARKER - MOBILONG 132KV LINE	9.23	1.3 Outages to Control Voltages	Ensure voltage levels and line loadings are maintained within limits as per the NER requirements	
		Mount Barker - Mobilong 132kV forced line outage	Para - Angas Creek 132kV line unplanned operation after conductors fell to the ground due to a line joint failure. Contingency switching for line repairs after conductor joint failure	Contingency Switching	28/07/08	07:55:00	28/07/08	09:48:00	MT BARKER - MOBILONG 132KV LINE	1.88	1.3 Outages to Control Voltages	Ensure voltage levels and line loadings are maintained within limits as per the NER requirements	
		Mount Barker - Mobilong 132kV forced line outage	Para - Angas Creek 132kV line unplanned operation after conductors fell to the ground due to a line joint failure. Contingency switching for line repairs after conductor joint failure	Contingency Switching	28/07/08	17:12:00	29/07/08	01:33:00	MT BARKER - MOBILONG 132KV LINE	8.35	1.3 Outages to Control Voltages	Ensure voltage levels and line loadings are maintained within limits as per the NER requirements	
		Mount Barker - Mobilong 132kV forced line outage	Para - Angas Creek 132kV line unplanned operation after conductors fell to the ground due to a line joint failure. Contingency switching for line repairs after conductor joint failure	Contingency Switching	29/07/08	07:52:00	30/07/08	01:36:00	MT BARKER - MOBILONG 132KV LINE	17.73	1.3 Outages to Control Voltages	Ensure voltage levels and line loadings are maintained within limits as per the NER requirements	
		Mount Barker - Mobilong 132kV forced line outage	Para - Angas Creek 132kV line unplanned operation after conductors fell to the ground due to a line joint failure. Contingency switching for line repairs after conductor joint failure	Contingency Switching	30/07/08	17:35:00	31/07/08	01:27:00	MT BARKER - MOBILONG 132KV LINE	7.867	1.3 Outages to Control Voltages	Ensure voltage levels and line loadings are maintained within limits as per the NER requirements	
		Mount Barker - Mobilong 132kV forced line outage	Para - Angas Creek 132kV line unplanned operation after conductors fell to the ground due to a line joint failure. Contingency switching for line repairs after conductor joint failure	Contingency Switching	31/07/08	17:32:00	1/08/08	01:40:00	MT BARKER - MOBILONG 132KV LINE	8.133	1.3 Outages to Control Voltages	Ensure voltage levels and line loadings are maintained within limits as per the NER requirements	
		Mount Barker - Mobilong 132kV forced line outage	Para - Angas Creek 132kV line unplanned operation after conductors fell to the ground due to a line joint failure. Contingency switching for line repairs after conductor joint failure	Contingency Switching	1/08/08	17:08:00	2/08/08	02:20:00	MT BARKER - MOBILONG 132KV LINE	9.183	1.3 Outages to Control Voltages	Ensure voltage levels and line loadings are maintained within limits as per the NER requirements	
		Mount Barker - Mobilong 132kV forced line outage	Para - Angas Creek 132kV line unplanned operation after conductors fell to the ground due to a line joint failure. Contingency switching for line repairs after conductor joint failure	Contingency Switching	2/08/08	10:14:00	2/08/08	16:25:00	MT BARKER - MOBILONG 132KV LINE	6.183	1.3 Outages to Control Voltages	Ensure voltage levels and line loadings are maintained within limits as per the NER requirements	
		Monash - Bern 132kV line trip	Line remained open at one end after successful reclose	insulator flashover	13/11/08	19:37:00	13/11/08	20:35:00	MONASH - BERRI 132KV LINE	0.987	1.4 Circuit open for operational purposes	Line remained open at one end after a reclose failed	
Davenport-Birkenworth-Para 275kV line uprating project	Install tower extensions	Line upgrade project	23/06/08	07:49:00	3/07/08	16:22:00	BRINKWORTH - DAVENPORT 275KV LINE	64.37	156.47	1.5 Capped Outage	Cap aggregate outage duration to 166.47hrs. (1 total project hours for 2008 is 1471.81hrs. To calculate the capped value for the second half of 2008 the 14 day cap has been prorated as follows (66.43/336/1471.81). This outage started in June 08 and restored in July 08 so only July duration has been included here		
Davenport-Birkenworth-Para 275kV line uprating project	Install tower extensions	Line upgrade project	3/07/08	08:10:00	3/10/08	11:13:00	BRINKWORTH - DAVENPORT 275KV LINE	27.67	0.15	Capped Outage	Cap aggregate outage duration to 166.47hrs. (1 total project hours for 2008 is 1471.81hrs. To calculate the capped value for the second half of 2008 the 14 day cap has been prorated as follows (66.43/336/1471.81). This outage started in June 08 and restored in July 08 so only July duration has been included here		
Davenport-Birkenworth-Para 275kV line uprating project	Install tower extensions	Line upgrade project	1/09/08	07:37:00	1/10/08	16:29:00	BRINKWORTH - DAVENPORT 275KV LINE	248.86	0.15	Capped Outage	Cap aggregate outage duration to 166.47hrs. (1 total project hours for 2008 is 1471.81hrs. To calculate the capped value for the second half of 2008 the 14 day cap has been prorated as follows (66.43/336/1471.81). This outage started in June 08 and restored in July 08 so only July duration has been included here		
Davenport-Birkenworth-Para 275kV line uprating project	Install tower extensions	Line upgrade project	12/09/08	07:39:00	26/09/08	16:11:00	BRINKWORTH - DAVENPORT 275KV LINE	344.53	0.15	Capped Outage	Cap aggregate outage duration to 166.47hrs. (1 total project hours for 2008 is 1471.81hrs. To calculate the capped value for the second half of 2008 the 14 day cap has been prorated as follows (66.43/336/1471.81). This outage started in June 08 and restored in July 08 so only July duration has been included here		
Penola West Substation upgrade project	Install temporary line exits	Substation upgrade project	1/07/08	07:41:00	5/07/08	07:13:00	KINCRAIG - PENOLA WEST 132 KV LINE	95.53	336	1.5 Capped Outage	Cap aggregate outage duration to 336hrs		
Penola West Substation upgrade project	Remove overhead earth wires and install new lightning masts	Substation upgrade project	4/11/08	07:51:00	4/11/08	17:52:00	KINCRAIG - PENOLA WEST 132 KV LINE	9.18	0.15	Capped Outage	Cap aggregate outage duration to 336hrs		
Penola West Substation upgrade project	Remove overhead earth wires and install new lightning masts	Substation upgrade project	4/11/08	07:48:00	4/11/08	17:58:00	PENOLA WEST - SOUTH EAST 132KV LINE	9.13	0.15	Capped Outage	Cap aggregate outage duration to 336hrs		
Penola West Substation upgrade project	Energise new 132kV bus and restore Penola West - Kincraig 132kV line	Substation upgrade project	19/11/08	07:26:00	9/12/08	21:47:00	KINCRAIG - PENOLA WEST 132 KV LINE	398.46	0.15	Capped Outage	Cap aggregate outage duration to 336hrs		
S2	Critical Circuit Availability - Peak	Davenport-Birkenworth-Para 275kV line uprating project	Install tower extensions	Line upgrade project	23/06/08	07:49:00	3/07/08	16:22:00	BRINKWORTH - DAVENPORT 275KV LINE	32.36	336	1.5 Capped Outage	Cap aggregate outage duration to 336hrs. This outage started in June 08 and restored in July 08 so only July duration has been included here
		Davenport-Birkenworth-Para 275kV line uprating project	Extended isolation for reactor assembly	Line upgrade project	30/07/08	08:10:00	31/07/08	11:13:00	BRINKWORTH - DAVENPORT 275KV LINE	15.08	0.15	Capped Outage	Cap aggregate outage duration to 336hrs
		Davenport-Birkenworth-Para 275kV line uprating project	Install tower extensions	Line upgrade project	1/09/08	07:37:00	1/10/08	16:29:00	BRINKWORTH - DAVENPORT 275KV LINE	129.48	0.15	Capped Outage	Cap aggregate outage duration to 336hrs
		Davenport-Birkenworth-Para 275kV line uprating project	Install tower extensions	Line upgrade project	12/09/08	07:39:00	26/09/08	16:11:00	BRINKWORTH - DAVENPORT 275KV LINE	176.366	0.15	Capped Outage	Cap aggregate outage duration to 336hrs

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 affected	Maximum system demand	Quantitative impact	Reasons for exclusion request	Further references
Name of any loss of supply parameters applying to Electrabel		Name of the event	A brief outline 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 circuit or part affected	The max system demand that occurred up until the time of the event	Number of hours, mins etc interrupted	Full details of the reasons for excluding this event should include a reference to the defined exclusion and explain how it meets this exclusion definition (see Exclusion definition tab). Eg. Exclusion 1.3 Third party event.	A TNSP may provide further details of an exclusion event. TNSP to provide reference.
S3	Loss of Supply Frequency (events > 0.05 mins)												
S4	Loss of Supply Frequency (events > 0.2 mins)												

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	Reasons for exclusion request	Further references
Name of any average outage duration parameters applying to Electrabel		Name of the event	A brief outline 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 circuit or part affected	Number of hours, mins etc interrupted	Full details of the reasons for excluding this event should include a reference to the defined exclusion and explain how it meets this exclusion definition (see Exclusion definition tab). Eg. Exclusion 1.3 Third party event.	A TNSP may provide further details of an exclusion event. TNSP to provide reference.
S5	Average Outage Duration	Angas Creek 132/311 kV transformer 1 trip	3rd Party outage - tripped second transformer whilst conducting their own work	On Thursday 13th November 2008 at 09:51, the 132/311 kV TF1 at Angas Creek substation tripped whilst ETSA Utilities were switching on their NESP3400. The 132/311 kV TF2 was also out of service on NESP1958 disconnecting Angas Creek customers. Electrabel restored supply to TF1 after 7 minutes however as this was a 3rd Party event no PI impact occurred.	13/11/2008	9:51	13/11/2008	9:58	Angas Creek	0.1167	1.2 3rd Party Outage	Tripping of a second transformer whilst the first transformer was already out of service.

CIRCUIT AVAILABILITY - Zero weighting		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	Reasons for exclusion request	Further references
Name of any circuit availability parameters applying to Electrabel		Name of the event	A brief outline 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 circuit affected	Number of hours, mins etc interrupted	Full details of the reasons for excluding this event should include a reference to the defined exclusion and explain how it meets this exclusion definition (see Exclusion definition tab). Eg. Exclusion 1.3 Third party event.	A TNSP may provide further details of an exclusion event. TNSP to provide reference.
Critical circuit availability - non-peak (zero weighting)												

**NOTES:**

This worksheet should include a list of 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 the TNSP's performance report. The source of information should be referenced in this template.

Green cells - input description impact

ELECTRANET- S1 - Total transmission circuit availability

Performance Targets	Graph start	Collar	Target	Cap	Graph end
transmission circuit avail.	98.75%	99.10%	99.47%	99.63%	100.00%
Weighting	-0.30%	-0.30%	0.00%	0.30%	0.30%

Performance Formulae	Formulae		Conditions		S- Calc 1	S- Calc 2	
Performance	=	-0.003000			-0.003000	-0.003000	
	=	0.810811	x	Availability	+ -0.806514	99.10% ≤ Availability ≤ 99.47%	-0.003973 -0.003405
	=	1.875000	x	Availability	+ -1.865063	99.47% ≤ Availability ≤ 99.63%	-0.009188 -0.007875
	=	0.003000			99.63% < Availability		0.003000 0.003000

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Total transmission circuit availability	=	98.980000%	99.050000%
S-Factor Result	=	-0.300000%	-0.300000%

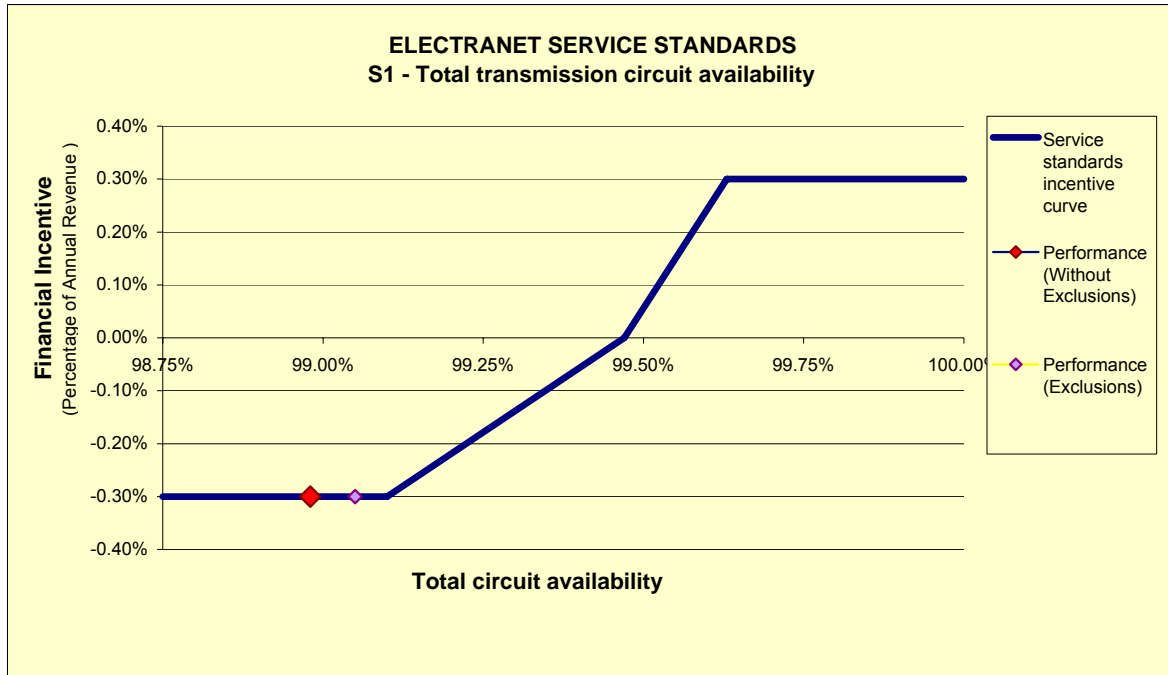
**NOTE: This sheet will automatically update based on data in input sheets.**

Blue cells show TNSP's performance targets and weightings.

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

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

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



ELECTRANET- S2 - Critical circuit availability – peak

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Critical circuit availability – peak	98.00%	98.52%	99.24%	99.51%	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 < 98.52%	-0.002000	-0.002000
	=	0.277778	x	Availability	+ 98.52% ≤ Availability ≤ 99.24%	-0.005689	-0.005500
	=	0.740741	x	Availability	+ 99.24% ≤ Availability ≤ 99.51%	-0.015170	-0.014667
	=	0.002000			99.51% < Availability	0.002000	0.002000

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Critical circuit availability – peak	=	97.192030%	97.260000%
S-Factor Result	=	-0.200000%	-0.200000%

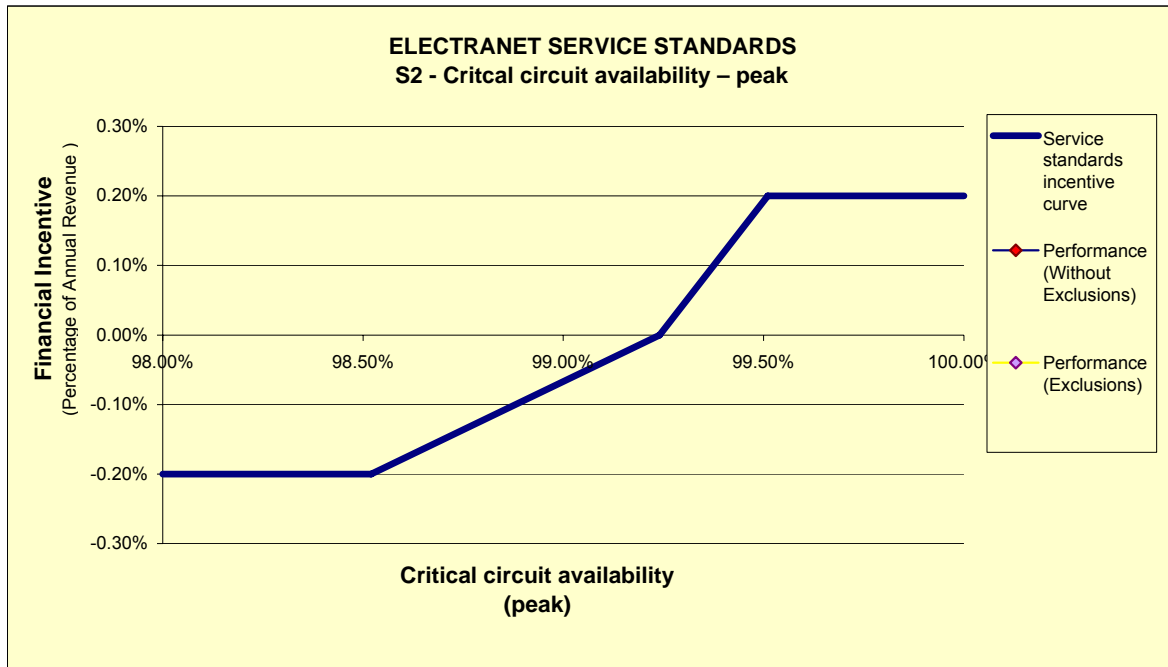
**NOTE: This sheet will automatically update based on data in input sheets.**

Blue cells show TNSP's performance targets and weightings.

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

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

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



ELECTRANET - S3 - Loss of supply event frequency (No of events > 0.05 system minutes)

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Loss of supply event frequency >0.05 system minutes	8	6	4	3	1
Weighting	-0.100%	-0.100%	0.000%	0.100%	0.100%

Performance Formulae	Formulae					Conditions				S- Calc 1	S- Calc 2	
Performance	=	-0.001000				6	<	No of events			-0.001000	-0.001000
	=	-0.000500	x	No of events	+	4	≤	No of events	≤	6	0.000500	0.000500
	=	-0.001000	x	No of events	+	3	≤	No of events	≤	4	0.001000	0.001000
	=	0.001000						No of events	<	3	0.001000	0.001000

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Loss of supply event frequency >0.05 system minutes	=	3	3
S-Factor	=	0.100000%	0.100000%

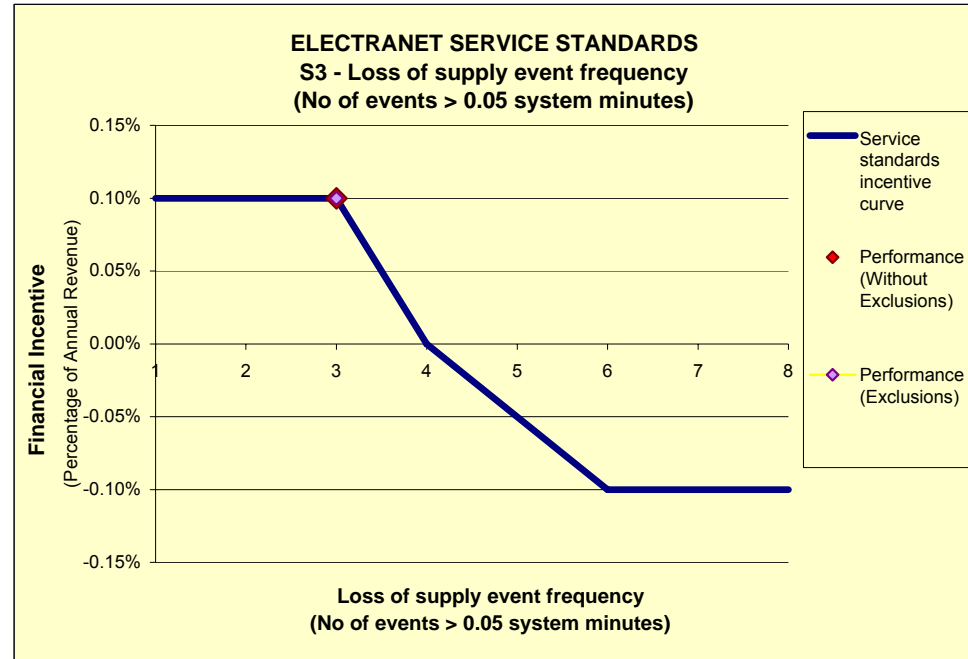
**NOTE: This sheet will automatically update based on data in input sheets.**

Blue cells show TNSP's performance targets and weightings.

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

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

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



ELECTRANET - S4 - Loss of supply event frequency (No of events > 0.2 system minutes)

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Loss of supply event frequency >0.05 system minutes	4	3	2	1	0
Weighting	-0.200%	-0.200%	0.000%	0.200%	0.200%

Performance Formulae	Formulae					Conditions	S- Calc 1	S- Calc 2
Performance	=	-0.002000				3 < No of events	-0.002000	-0.002000
	=	-0.002000	x	No of events	+ 0.004000	2 ≤ No of events ≤ 3	0.002000	0.002000
	=	-0.002000	x	No of events	+ 0.004000	1 ≤ No of events ≤ 2	0.002000	0.002000
	=	0.002000				No of events < 1	0.002000	0.002000

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Loss of supply event frequency >0.05 system minutes	=	1	1
S-Factor	=	0.200000%	0.200000%

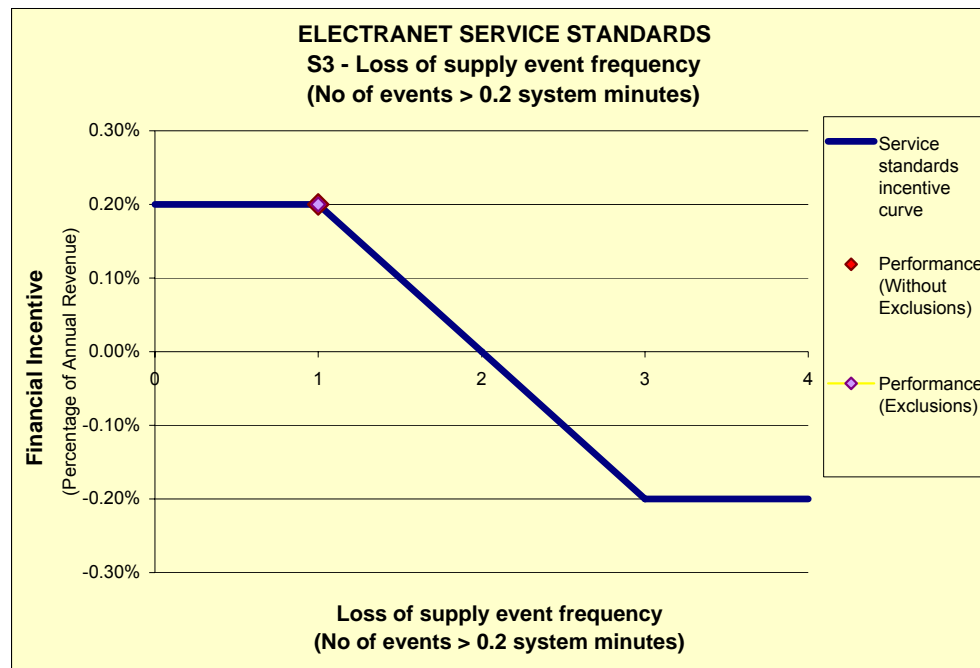
**NOTE: This sheet will automatically update based on data in input sheets.**

Blue cells show TNSP's performance targets and weightings.

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

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

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



ELECTRANET - S5 - Average outage duration (minutes)

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Average outage duration	150	119	78	38	0
Weighting	-0.20%	-0.20%	0.00%	0.20%	0.20%

Performance Formulae	Formulae				Conditions	S- Calc 1	S- Calc 2	
Performance	=	-0.002000			Where: Average time > 119	-0.002000	-0.002000	
	=	-0.000049	x	Average time	+ 0.003805	78 ≤ Average time ≤ 119	-0.005686	-0.005686
	=	-0.000050	x	Average time	+ 0.003900	38 ≤ Average time ≤ 78	-0.005829	-0.005829
	=	0.002000			Average time < 38	0.002000	0.002000	

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Average outage duration	=	195	195
S-Factor	=	-0.200000%	-0.200000%

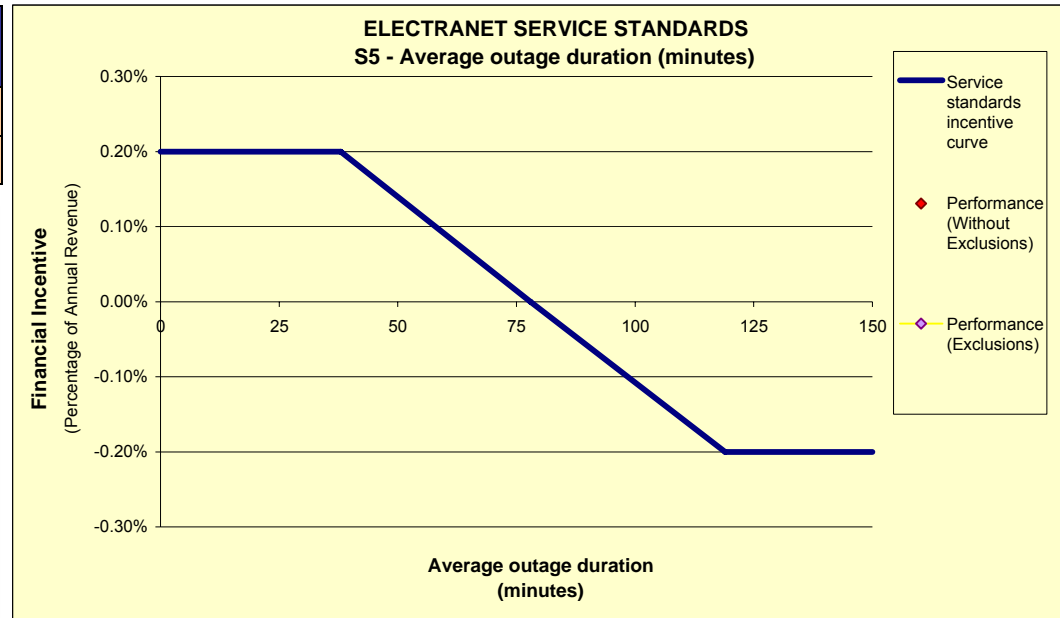
**NOTE: This sheet will automatically update based on data in input sheets.**

Blue cells show TNSP's performance targets and weightings.

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

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

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





## ELECTRANET - Revenue Calculation

<i>Revenue cap information</i>	
Base revenue (AR)	\$ 229,990,000
Base year	2008-09
X-factor	-4.89%
Commencement of regulatory period	1-Jul-08

<i>Annual revenue adjusted for CPI</i>	
CPI	
	<b>2008-09</b>
AR	\$229,990,000

<i>Calendar year revenue</i>	2008
Revenue	\$114,995,000

### NOTES:

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

Grey cells show calendar year revenue

Green cells are for formula

ELECTRANET- Performance outcomes

Revenue calendar year **\$114,995,000**

Performance parameter	S	Target	Performance without exclusions			Performance with exclusions			Impact of exclusions
			Performance	S-Factor	Final Incentive	Performance	S-Factor	Final Incentive	
Total transmission circuit availability	S1	99.47%	98.980000%	-0.300000%	-\$344,985	99.050000%	-0.300000%	-\$344,985	0.000000
Critical circuit availability – peak	S2	99.24%	97.192030%	-0.200000%	-\$229,990	97.260000%	-0.200000%	-\$229,990	0.000000
Loss of supply event frequency ( >0.05 system minutes )	S3	4	3	0.100000%	\$114,995	3	0.100000%	\$114,995	0.000000
Loss of supply event frequency ( >0.2 system minutes )	S4	2	1	0.200000%	\$229,990	1	0.200000%	\$229,990	0.000000
Average outage duration (minutes)	S5	78	195	-0.200000%	-\$229,990	195	-0.200000%	-\$229,990	0.000000
<b>TOTALS</b>				-0.400000%	-\$459,980		-0.400000%	-\$459,980	0.000000

**NOTE:**

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

Grey cell shows relevant calendar year revenue

Green cells show performance 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	-0.004000
Bonus (penalty)	-\$459,980
Financial year to affect revenue	2009–10

## ELECTRANET - Defined exclusions

<b>No. Parameter 1 - Transmission circuit availability</b>		
<b>Defined exclusions</b>	<b>Further description of exclusion</b>	<b>Reference</b>
1.1 Unregulated transmission assets		Appendix C Revenue cap decision
1.2 3rd party outages	Any outages shown to be caused by a 'third party system'—eg. intertrip signals, generator outage, customer installation, customer request or NEMMCO direction.	Appendix C Revenue cap decision
1.3 Outages to control voltages	Outages to control voltages within required limits, both as directed by NEMMCO and where NEMMCO does not have direct oversight of the network (in both cases only where the element is available for immediate energisation if required).	Appendix C Revenue cap decision
1.4 Circuit opening for operational purposes	The opening of only one end of a transmission line where the transmission line remains energised and available to carry power.	Appendix C Revenue cap decision
1.5 Capped outages	The number of interrupted hours related to a single transmission line redevelopment project or substation redevelopment project is capped at 336 hours (14 days).	Appendix C Revenue cap decision
1.6 Force majeure		Appendix D First proposed STPIS
<b>No. Parameter 2 - Critical circuit availability – peak</b>		
<b>Defined exclusions</b>	<b>Further description of exclusion</b>	<b>Reference</b>
2.1 Unregulated transmission assets		Appendix C Revenue cap decision
2.2 3rd party outages	Any outages shown to be caused by a 'third party system'—eg. intertrip signals, generator outage, customer installation, customer request or NEMMCO direction.	Appendix C Revenue cap decision
2.3 Outages to control voltages	Outages to control voltages within required limits, both as directed by NEMMCO and where NEMMCO does not have direct oversight of the network (in both cases only where the element is available for immediate energisation if required).	Appendix C Revenue cap decision
2.4 Circuit opening for operational purposes	The opening of only one end of a transmission line where the transmission line remains energised and available to carry power.	Appendix C Revenue cap decision
2.5 Capped outages	the number of interrupted hours related to a single transmission line redevelopment project or substation redevelopment project is capped at 336 hours (14 days).	Appendix C Revenue cap decision
2.6 Force majeure		Appendix D First proposed STPIS
<b>Parameter 3 - Loss of supply event frequency (&gt;0.2 system minutes)</b>		
<b>Defined exclusions</b>	<b>Further description of exclusion</b>	<b>Reference</b>
3.1 Successful reclose events (<1 min duration)		Appendix C Revenue cap decision
3.2 Unregulated transmission assets		Appendix C Revenue cap decision
3.3 3rd party outages	Any outages shown to be caused by a 'third party system'—e.g. intertrip signals, generator outage, customer installation, customer request or NEMMCO direction.	Appendix C Revenue cap decision
3.4 Planned outages		Appendix C Revenue cap decision
3.5 Interconnector outages	For supply outages resulting from an interconnector outage, the period of the interruption is capped at half an hour. This is done to include the impact of automatic under-frequency load shedding, but to exclude the impact of any market failure to respond and restore load within required timeframes (ie. excluding factors outside of ElectraNet's control).	Appendix C Revenue cap decision
3.6 Pumping station supply interruptions	Pumping station supply interruptions were excluded from historical data due to the highly irregular nature of these loads, which makes accurate estimation of load profiles unreliable.	Appendix C Revenue cap decision
3.7 Force majeure		Appendix D First proposed STPIS
3.8 ElectraNet protection operates incorrectly ahead of third party protection	Where ElectraNet protection operates incorrectly ahead of third party protection, the portion of customer load that would have been lost had ElectraNet protection not operated is removed from the total lost load.	Appendix C Revenue cap decision
3.9 ElectraNet protection operates correctly due to a fault on a third party system	Where ElectraNet protection operates correctly due to a fault on a third party system no lost load is recorded.	Appendix C Revenue cap decision
<b>Parameter 4 - Loss of supply event frequency (&gt;1.0 system minutes)</b>		
<b>Defined exclusions</b>	<b>Further description of exclusion</b>	<b>Reference</b>
4.1 Successful reclose events (<1 min duration)		Appendix C Revenue cap decision
4.2 Unregulated transmission assets		Appendix C Revenue cap decision

4.3	3rd party outages	Any outages shown to be caused by a 'third party system'—e.g. intertrip signals, generator outage, customer installation, customer request or NEMMCO direction.	Appendix C Revenue cap decision
4.4	Planned outages		Appendix C Revenue cap decision
4.5	Interconnector outages	For supply outages resulting from an interconnector outage, the period of the interruption is capped at half an hour. This is done to include the impact of automatic under-frequency load shedding, but to exclude the impact of any market failure to respond and restore load within required timeframes (ie. excluding factors outside of ElectraNet's control).	Appendix C Revenue cap decision
4.6	Pumping station supply interruptions	Pumping station supply interruptions were excluded from historical data due to the highly irregular nature of these loads, which makes accurate estimation of load profiles unreliable.	Appendix C Revenue cap decision
4.7	Force majeure		Appendix D First proposed STPIS
4.8	ElectraNet protection operates incorrectly ahead of third party protection	Where ElectraNet protection operates incorrectly ahead of third party protection, the portion of customer load that would have been lost had ElectraNet protection not operated is removed from the total lost load.	Appendix C Revenue cap decision
4.9	ElectraNet protection operates correctly due to a fault on a third party system	Where ElectraNet protection operates correctly due to a fault on a third party system no lost load is recorded.	Appendix C Revenue cap decision
<b>Parameter 5 - Average outage duration</b>			
<b>Defined exclusions</b>		<b>Further description of exclusion</b>	<b>Reference</b>
5.1	Successful reclose events (<1 min duration)		Appendix C Revenue cap decision
5.2	Unregulated transmission assets		Appendix C Revenue cap decision
5.3	3rd party outages	any outages shown to be caused by a 'third party system'—eg intertrip signals, generator outage, customer installation, customer request or NEMMCO direction	Appendix C Revenue cap decision
5.4	Planned outages		Appendix C Revenue cap decision
5.5	Interconnector outages supply interruptions	For supply outages resulting from an interconnector outage, the duration is capped at half an hour. This is done to include the impact of automatic under-frequency load shedding, but to exclude the impact of any market failure to respond and restore load within required timeframes (i.e. excluding factors outside of ElectraNet's control).	Appendix C Revenue cap decision
5.6	Force majeure		Appendix D First proposed STPIS
5.7	ElectraNet protection operates correctly due to a fault on a third party system	Where ElectraNet protection operates correctly due to a fault on a third party system no lost load is recorded.	Appendix C Revenue cap decision

<b>No. Critical circuit availability – non-peak (zero weighting)</b>			
<b>Defined exclusions</b>		<b>Further description of exclusion</b>	<b>Reference</b>
6.1	Unregulated transmission assets		Appendix C Revenue cap decision
6.2	3rd party outages	Any outages shown to be caused by a 'third party system'—eg intertrip signals, generator outage, customer installation, customer request or NEMMCO direction.	Appendix C Revenue cap decision
6.3	Outages to control voltages	Outages to control voltages within required limits, both as directed by NEMMCO and where NEMMCO does not have direct oversight of the network (in both cases only where the element is available for immediate energisation if required).	Appendix C Revenue cap decision
6.4	Circuit opening for operational purposes	The opening of only one end of a transmission line where the transmission line remains energised and available to carry power.	Appendix C Revenue cap decision
6.5	Capped outages	The number of interrupted hours related to a single transmission line redevelopment project or substation redevelopment project is capped at 336 hours (14 days).	Appendix C Revenue cap decision
6.6	Force majeure		Appendix D First proposed STPIS (January 2007)