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

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

UIT AVAILABILITY		Event proposed for exclusion	Description of the event and its impact on the network and performance	Cause of the event	Start date	Start	End date	Fnd time	Circuits affected	Quantitative		Reasons for exclusion request	Further references
M ATAILAGE.		Event proposed for excussion	beautiful of the event and its impact of the fiether and performance	Gadae of the event	Start date	time	Dio oute	Liid liiile	Oncores direction	impact			r drama reneral
of any circuit lity parameters g to ElectraNet		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	1	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.
	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	Contingenct Switching	26/07/08	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 limites 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	Contingenct 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 limites as per the NER requirements
		Mount Barker - Mobilong 132kV forced line outage	after conductor joint failure Para - Angas Creek 132kV line unplanned operation after conductors fell to the ground due to a line joint failure. Contingency switching for line repairs	Contingenct 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 limites as per the NER requirements
		Mount Barker - Mobilong 132kV forced line outage	after conductor joint failure Para - Angas Creek 132kV line unplanned operation after conductors fell to the ground due to a line joint failure. Contingency switching for line repairs	Contingenct 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 limites as per the NER requirements
		Mount Barker - Mobilong 132kV forced line outage	after conductor joint failure 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	Contingenct 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 limites 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	Contingenct Switching	30/07/08	17:35:00	31/07/08	01:27:00	MT BARKER - MOBILONG 132KV LINE	7.867		.3 Outages to Control Voltages	Ensure voltage levels and line loadings are maintained within limites 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.		31/07/08				MT BARKER - MOBILONG 132KV LINE	8.133		1.3 Outages to Control Voltages	Ensure voltage levels and line loadings are maintained within limites 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	Contingenct Switching					MT BARKER - MOBILONG 132KV LINE	9.183		1.3 Outages to Control Voltages	Ensure voltage levels and line loadings are maintained within limites 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						MT BARKER - MOBILONG 132KV LINE	6.183		1.3 Outages to Control Voltages	Ensure voltage levels and line loadings are maintained within limites as per the NER requirements
		Monash - Berri 132kV line trip Davenport-Brinkworth-Para 275kV line uprating project	Line remained opened at one end after successful reclose Install tower extensions	insulator flashover Line upgrade project	13/11/08 23/06/08	19:37:00 07:49:00	13/11/08 3/07/08	20:35:00 16:22:00	MONASH - BERRI 132KV LINE BRINKWORTH - DAVENPORT 275KV LINE	0.967 64.37	156.47	.4 Circuit open for operational purposes 1.5 Capped Outage	Line remained open at one end after a reclose failed Cap aggregate outage duration to 156.47hrs. (Total project hours for 2006 is 1471.81hrs. To calculate the capped second half of 2006 the 14 day cap has been prorated as follows (685.43°336)/1471.81). This outage started in Ju
		Davenport-Brinkworth-Para 275kV line uprating project	Install tower extensions	Line upgrade project	30/07/08	08:10:00			BRINKWORTH - DAVENPORT 275KV LINE	27.67	0	1.5 Capped Outage	restored in July 08 so only July duration has been included here Cap aggregate outage duration to 156.47hrs. (Total project hours for 2008 is 1471.81hrs. To calculate the cappel second half of 2008 the 14 day cap has been prorated as follows (865.43°336)/1471.81).
		Davenport-Brinkworth-Para 275kV line uprating project	Install tower extensions	Line upgrade project	1/09/08				BRINKWORTH - DAVENPORT 275KV LINE BRINKWORTH - DAVENPORT 275KV LINE	248.86 344.53	0	1.5 Capped Outage	Cap aggregate outage duration to 156.47hrs. (Total project hours for 2008 is 1471.81hrs. To calculate the capped second half of 2008 the 14 day cap has been prorated as follows (685.42136V1471.81).
		Davenport-Brinkworth-Para 275kV line uprating project Penola West Substation upgrade project	Install tower extensions Install temporary line exits	Line upgrade project Substation upgrade project	1/07/08		26/09/08 5/07/08	07:13:00	KINCRAIG - PENOLA WEST 132 KV LINE	344.53 95.53	336	1.5 Capped Outage 1.5 Capped Outage	Cap aggregate outage duration to 156.47hrs. (Total project hours for 2008 is 1471.81hrs. To calculate the capped second half of 2008 the 14 day cap has been prorated as follows (885.43*336)/1471.81). Cap aggregate outage duration to 336hrs.
		Penola West Substation upgrade project Penola West Substation upgrade project	Remove overhead earth wires and install new lightning masts Remove overhead earth wires and install new lightning masts	Substation upgrade project Substation upgrade project	4/11/08 4/11/08	07:48:00	4/11/08 4/11/08	17:02:00	KINCRAIG - PENOLA WEST 132 KV LINE PENOLA WEST - SOUTH EAST 132KV LINE	9.18	0	1.5 Capped Outage 1.5 Capped Outage	Cap aggregate outage duration to 338hrs. Cap aggregate outage duration to 338hrs.
		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	5/12/08	21:47:00	KINCRAIG - PENOLA WEST 132 KV LINE	398.46	0	1.5 Capped Outage	Cap aggregate outage duration to 336hrs.
	Critical Circuit Availability - Peak	Davenport-Brinkworth-Para 275kV line uprating project	Install tower extensions	Line upgrade project	23/06/08				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 dura been included here
	Availability - Peak	Davenport-Brinkworth-Para 275kV line uprating project	Extended isolation for reactor assembly	Line upgrade project Line upgrade project	30/07/08	08:10:00	31/07/08	11:13:00	BRINKWORTH - DAVENPORT 275KV LINE	15.05	0	1.5 Capped Outage 1.5 Capped Outage	Cap aggregate outage duration to 336hrs. Cap aggregate outage duration to 336hrs.
7		Davenport-Brinkworth-Para 275kV line uprating project Davenport-Brinkworth-Para 275kV line uprating project	Install tower extensions	Line upgrade project	1/09/08 12/09/08	07:39:00	26/09/08	16:11:00	BRINKWORTH - DAVENPORT 275KV LINE BRINKWORTH - DAVENPORT 275KV LINE	128.48 176.366	0		Cap aggregate outage duration to 336hrs.
F SUPPLY													
REQUENCY		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	d Quantitative impact	Demand shed and time	Reasons for exclusion request	Further references
ny loss of supply s applying to		Event proposed for exclusion Name of the event	Description of the event and its impact on the network and performance A brief outline of the event. Such as: the action of any third parties, the actions of the TNSP, assets damaged or interrupted.		Start date Start date and time of event	Start time	End date in	End time	Circuits affected Maximum system deman. Name of circuit or stant affected The max system demand that occurred up until the time of the event	impact Number of hours,	Demand shed and time The (MW) demand shed and the duration it was shed for.	Reasons for exclusion request 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	Further references A 11GP may provide further details of an exclusion event. THGP its provide reference.
ny loss of supply s applying to	Loss of Supply		A brief cutline of the event. Such as: the action of any third parties, the actions of the		Start date	Start time	End date and	End time	Name of circuit or The max system demand that	impact Number of hours,	The (MW) demand shed and	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	
any loss of supply	Loss of Supply Frequency (events > 0.05 mins)		A brief cutline of the event. Such as: the action of any third parties, the actions of the		Start date	Start time	End date and	End time	Name of circuit or The max system demand that	impact Number of hours,	The (MW) demand shed and	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	
requency ny loss of supply s applying to	Frequency (events > 0.05 mins)		A brief cutline of the event. Such as: the action of any third parties, the actions of the		Start date	Start time	End date and	End time	Name of circuit or The max system demand that	impact Number of hours,	The (MW) demand shed and	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	
iny loss of supply is applying to	Frequency (events > 0.05 mins) Loss of Supply		A brief cutline of the event. Such as: the action of any third parties, the actions of the		Start date	Start time	End date and	End time	Name of circuit or The max system demand that	impact Number of hours,	The (MW) demand shed and	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	
any loss of supply applying to t	Frequency (events > 0.05 mins)		A brief cutline of the event. Such as: the action of any third parties, the actions of the		Start date	Start time	End date and	End time	Name of circuit or The max system demand that	impact Number of hours,	The (MW) demand shed and	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	
FREQUENCY any loss of supply as applying to	Frequency (events > 0.05 mins) Loss of Supply		A brief cutline of the event. Such as: the action of any third parties, the actions of the		Start date	Start time	End date and	End time	Name of circuit or The max system demand that	impact Number of hours,	The (MW) demand shed and	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	
FREQUENCY any loss of supply ars applying to at	Frequency (events > 0.05 mins) Loss of Supply	Name of the event	A brief outline of the event. Such as the action of any third parties, the actions of the THOP, assets damaged or interrupted.	A brief description of the cause of the event	Start date and time of event	ume	End date and time of event		Name of child by the man pattern demand that an apparen demand that an apparen demand that the same of	impact Number of hours,	The (MW) demand shed and	'ul didata of the masons for excluding the event. Thought make a reference to the difficult exclusion For exclusion and the exclusion of the	
FREQUENCY any loss of supply are applying to at a GE OUTAGE ION	Frequency (events > 0.05 mins) Loss of Supply		A brief cutline of the event. Such as: the action of any third parties, the actions of the	A brief description of the cause of the event	Start date	ume	End date and time of event		Name of circuit or The max system demand that	Impact Number of hours, Impact Number of hours, Impact Impact Quantitative Impact	The (MW) demand shed and	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	A THSP may provide further details of an exclusion event. THSP to provide reference.
FREQUENCY any loss of supply as applying to at at GE OUTAGE ION any average unation parameters	Frequency (events > 0.05 mins) Loss of Supply	Name of the event	A brief outline of the event. Such as the action of any third parties, the actions of the THOP, assets damaged or interrupted.	A time description of the cause of the event	Start date and time of event	ume	End date and time of event		Name of child by the man pattern demand that an apparen demand that an apparen demand that the same of	Impact Number of hours, mins etc interrupted	The (MW) demand shed and	all distals of the measons for excluding this event, not expelled to be invested to excluding this event. Not expelled to be if metal to be excluded definition as the exclusion definition to be invested to the exclusion of expelled to the exclusion of expelled to the expelled to the expelled to the expelled to the exclusion request of the exclusion for exclusion request of the excelled to the exclusion for exclusion the excelled to the excelled the excelled to the excellent to the e	A THSP may provide further details of an exclusion event. THSP to provide reference.
requency ny loss of supply a applying to see OUTAGE N ny average attion parameters	Frequency (events > 0.05 mins) Loss of Supply	Name of the event	A bold colline of the event duch as: the action of any third parties, the actions of the TREP, assets damaged or interrupted. Description of the event and its impact on the network and performance. A bold colline of the event duch as: the action of any third parties, the actions of the TREP, assets damaged or interrupted.	A band description of the cause of the event Cause of the event Cause of the event A band description of the cause of the event On Transfery 18th November 2001 at 0551, the	Start date and time of event Start date Start date Start date and time of event Start date	Start time	End date and	End time	tener of crust or he man system demand that all all all all all all all all all a	Impact Number of hours, Inside the second of	The (MW) demand shed and	and double or the reasons for excluding the event of spirit has of the reasons for excluding the event of spirit has her finests the exclusion definition see Exclusion definition see Exclusion definition see Exclusion definition to the exclusion of the exclusion and the exclusion are exclusion and the exclusion are exclusion and the exclusion and the exclusion definition are exclusion definition and exclusion are exclusion definition.	h 1969 may provide further details of an exclusion event. 1969 to provide reference. Further references
FREQUENCY any loss of supply rs applying to tt GE OUTAGE ON any average uration parameters	Frequency (events > 0.05 mins) Loss of Supply Frequency (events > 0.2 mins)	Name of the overst Event proposed for exclusion Name of the event	A bold colline of the event duch as: the action of any third parties, the actions of the TREP, assets damaged or interrupted. Description of the event and its impact on the network and performance. A bold colline of the event duch as: the action of any third parties, the actions of the TREP, assets damaged or interrupted.	A bind description of the cause of the event Cause of the event Cause of the event A bind description of the cause of the event On Thursday 13th November 2008 at 0651, th	Start date and time of event Start date Start date Start date and time of event Start date	Start time	End date and time of event End date End date End date and time of event	End time	tenes of crisid or his max system demand that concerns up will be time of the cent of the	Impact Number of hours, mass etc. interrupted Quantitative Impact Number of hours, miss etc. interrupted	The (MW) demand shed and	In date of the reasons for excluding the event and opinion have fined the exclusion definion and register have exclusion definion and fined the exclusion definion as Exclusion definion as Exclusion 1.3 for purple event. Reasons for exclusion request in the exclusion of the exclusion request of the exclusion of the exclusion request of the exclusion of the exclusion request of the exclusion of	A TIGP may provide further details of an exclusion event. TIGP to provide reference. Further references A TIGP may provide further details of an exclusion event. TIGP to provide reference.
I any our out of supply of the supplying to let the supplying the	Frequency (events > 0.05 mins) Loss of Supply Frequency (events > 0.2 mins)	Name of the overst Event proposed for exclusion Name of the event	A bold colline of the event duch as: the action of any third parties, the actions of the TREP, assets damaged or interrupted. Description of the event and its impact on the network and performance. A bold colline of the event duch as: the action of any third parties, the actions of the TREP, assets damaged or interrupted.	A bord decorption of the cause of the event Cause of the event A bord decorption of the cause of the event A bord decorption of the cause of the event On Thursday 13th Reventer 20th at 0551, the 1202311 AVT F1 at Angel Crock substation report what 6TTM Utilities were available on proper what 6TTM Utilities were available of the cause of the event of the 15th 15th 15th 15th 15th 15th 15th 15th	Start date and time of event Start date Start date Start date and time of event Start date	Start time	End date and time of event End date End date End date and time of event	End time	tenes of crisid or his max system demand that concerns up will be time of the cent of the	Impact Number of hours, mass etc. interrupted Quantitative Impact Number of hours, miss etc. interrupted	The (MW) demand shed and	In date of the reasons for excluding the event and opinion have fined the exclusion definion and register have exclusion definion and fined the exclusion definion as Exclusion definion as Exclusion 1.3 for purple event. Reasons for exclusion request in the exclusion of the exclusion request of the exclusion of the exclusion request of the exclusion of the exclusion request of the exclusion of	A TIGP may provide further details of an exclusion event. TIGP to provide reference. Further references A TIGP may provide further details of an exclusion event. TIGP to provide reference.
f any loss of supply ters applying to let	Frequency (events > 0.05 mins) Loss of Supply Frequency (events > 0.2 mins)	Name of the overst Event proposed for exclusion Name of the event	A bold colline of the event duch as: the action of any third parties, the actions of the TREP, assets damaged or interrupted. Description of the event and its impact on the network and performance. A bold colline of the event duch as: the action of any third parties, the actions of the TREP, assets damaged or interrupted.	A bord decorption of the cause of the event Cause of the event A bord decorption of the cause of the event A bord decorption of the cause of the event On Thursday 13th Reventer 20th at 0551, the 1202311 AVT F1 at Angel Crock substation report what 6TTM Utilities were available on proper what 6TTM Utilities were available of the cause of the event of the 15th 15th 15th 15th 15th 15th 15th 15th	Start date and time of event Start date Start date Start date and time of event Start date	Start time	End date and time of event End date End date End date and time of event	End time	tenes of crisid or his max system demand that concerns up will be time of the cent of the	Impact Number of hours, mass etc. interrupted Quantitative Impact Number of hours, miss etc. interrupted	The (MW) demand shed and	In date of the reasons for excluding the event and opinion have fined the exclusion definion and register have exclusion definion and fined the exclusion definion as Exclusion definion as Exclusion 1.3 for purple event. Reasons for exclusion request in the exclusion of the exclusion request of the exclusion of the exclusion request of the exclusion of the exclusion request of the exclusion of	A TIGP may provide further details of an exclusion event. TIGP to provide reference. Further references A TIGP may provide further details of an exclusion event. TIGP to provide reference.
FREGUENCY any loss of supplying to at applying to a	Frequency (events > 0.05 mins) Loss of Supply Frequency (events > 0.2 mins)	Name of the overst Event proposed for exclusion Name of the event	A bold colline of the event duch as: the action of any third parties, the actions of the TREP, assets damaged or interrupted. Description of the event and its impact on the network and performance. A bold colline of the event duch as: the action of any third parties, the actions of the TREP, assets damaged or interrupted.	A bord decorption of the cause of the event Course of the event A bord decorption of the cause of the event On Thorstopy 1th November 200 at 1051 to 10202111 VI TF at Acques Code substain topped while TES Allies were switching to the MESPA465. The 1320211VI TF ave seconding April 200 at 1051 to 105	Start date and time of event Start date Start date Start date and time of event Start date	Start fime	End date and time of event End date End date 13/11/2008	End time	tenes of crisid or his max system demand that concerns up will be time of the cent of the	Impact Number of hours, mass etc. interrupted Quantitative Impact Number of hours, miss etc. interrupted	The (MW) demand shed and	In date of the reasons for excluding the event and opinion have fined the exclusion definion and register have exclusion definion and fined the exclusion definion as Exclusion definion as Exclusion 1.3 for purple event and the exclusion of the exclusion request of the exclusion of the exclusion request of the exclusion of the e	A TIGP may provide further details of an exclusion event. TIGP to provide reference. Further references A TIGP may provide further details of an exclusion event. TIGP to provide reference.
E OUTAGE Wy according to according to the second s	Frequency (events - 0.05 mins) Loss of Supply Frequency (events - 0.2 mins) Average Outage Duration	Name of the overt Event proposed for exclusion Name of the overt Angas Creek 12/23/11 AV sansformer 1 trip	A board couline of the overtification as the action of any third portion, the actions of the NASPT assets disregate to retemptine. Description of the event and its limpact on the network and performance. A board couline of the event disch as the action of any third portion, the actions of the NASPT assets disregate or retempting. 334 Party college - tripped second transformer whilst conducting their own way.	A bord decorption of the cause of the event Course of the event A bord decorption of the cause of the event On Thorstopy 1th November 200 at 1051 to 10202111 VI TF at Acques Code substain topped while TES Allies were switching to the MESPA465. The 1320211VI TF ave seconding April 200 at 1051 to 105	Start date over Start date	Start fime	End date and time of event End date End date 13/11/2008	End time	terms of critical or his max system domard that sources to predict the time of the control of th	Immoort Name of Process Interest of State of Sta	The (MW) demand shed and	In date in the reasons for excluding the event of spirits have freeze the exclusion definition for the exclusion definition and means the exclusion definition to be Exclusion definition to the Exclusion definition to the Exclusion of the Exclus	A TIGET may provide further details of an exclusion event. TIGET to provide reference. Further, references A TIGET may provide further details of an exclusion event. TIGET to provide reference. Tigeting of a second transformer whilst the first transformer was already out of service.
E OUTAGE Wy applying to E OUTAGE Wy average soon parameters Electrafies AVARABILITY Ty chause Electrafies Electrafies	Frequency (events - 0.05 mins) Loss of Supply Frequency (events - 0.2 mins) Average Outage Ouration - Zero weighting	Event proposed for exclusion Name of the overt Angas Creek 13233/11 kV Eurostomer 1 trip Event proposed for exclusion Name of the overt	A bold cultine of the event duch as: the action of any third portion, the actions of the TRDF, assists duringed or interrupted. Description of the event and its impact on the network and performance. About cultine of the event duch as the action of any their parties, the actions of the TRDF assists duringed or interrupted. Description of the event duch as the action of any their parties, the actions of the received and performance actions are actions as the parties of the action of the received action and the property ducks are the action of any their parties, the actions of the received action actions are actions as the action of the received and performance actions are actions as the action of the received and performance. Description of the sevent and its impact on the network and performance. A bort college of the event duch as the action of any their parties, the actions of the	A tonif description of the cause of the event Cause of the event A tonif description of the cause of the event On Thursday 13th November 2008 at 0561, In 12203111 VF 14 Angua Creek solution report what ETS Alle were solutions also out of service on NESP11086 was abounded by a compared to the cause of the event abounded by a compared to the cause of the cause mentals however at 8th axes a 3rd Party event on Pl impetit occurred.	Start date and time of event. Start date Start date 1 3/11/2006 Start date Start date Start date	Start fime	End date and time of event End date End date and	End time	tenes of creat or account of the man system domand that all of shifted and shi	Hamber of hours, interrupted Outentitative Hamber of hours, mine site of hours, mine	The (MW) demand shed and	In distals of the resource for excluding the over- mit deplies how of meets the exclusion definition and explain how if meets the exclusion definition are Exclusion definition his, if g. Exclusion 1.3 bid purply excell Reasons for exclusion respects ut obtain it is the maximum for exclusion plan event. Mount include a reference to the offered exclusion of explain how if meets the exclusion definition that purply excell Reasons for exclusion respects 1.3 1.2 3rd Party Cutage Reasons for exclusion request ut obtain for finite the exclusion definition that purply exell ut obtain for the maximum for exclusion request ut obtain for the exclusion request the purply exell Reasons for exclusion request to detail to the reasons for excluding the event.	A THOSP may provide further details of an exclusion event. THOSP is provide reference. Further references A THOSP may provide further details of an exclusion event. THOSP is provide reference. Figure 1 to provide further details of an exclusion event. THOSP is provide reference. Fraging of a second transformer whilet the first transformer was already out of service. Farther references

NOTE

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 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 ThiSP 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

ELECTRANET- S1 - Total transmission circuit availability

Performance Targets	Graph start	Collar	Target	Сар	Graph end
transmission circuit availa		99.10%	99.47%	99.63%	100.00%
Weighting		-0.30%	0.00%	0.30%	0.30%

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

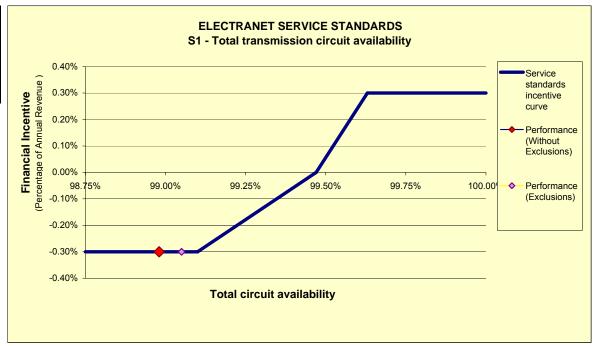
Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Total transmission circuit availability	=	98.980000%	99.050000%
S-Factor Result	=	-0.300000%	-0.300000%

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



ELECTRANET- S2 - Critical circuit availability - peak

Performance Targets	Graph start	Collar	Target	Сар	Graph end
Critical circuit availability – peak		98.52%	99.24%	99.51%	
Weighting		-0.20%	0.00%	0.20%	

Performance Formulae			Formu	lae					Conditions			S- Calc 1	S- Calc 2
Performance	=	-0.002000					When:		Availability	<	98.52%	-0.002000	-0.002000
	=	0.277778	Х	Availability	+	-0.275667	98.52%	≤	Availability	≤	99.24%	-0.005689	-0.005500
	=	0.740741	Х	Availability	+	-0.735111	99.24%	≤	Availability	≤	99.51%	-0.015170	-0.014667
	=	0.002000					99.51%	<	Availability			0.002000	0.002000

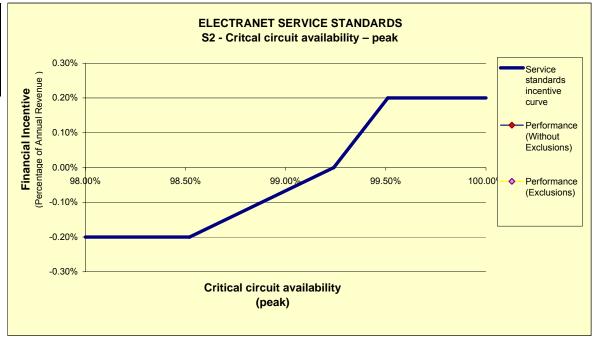
Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Critical circuit availability – peak	=	97.192030%	97.260000%
S-Factor Result	=	-0.200000%	-0.200000%

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



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

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

Performance Formulae			Formul	lae					Conditions			S- Calc 1	S- Calc 2
Performance	=	-0.001000					6	<	No of events			-0.001000	-0.001000
	=	-0.000500	Х	No of events	+	0.002000	4	≤	No of events	≤	6	0.000500	0.000500
	=	-0.001000	Х	No of events	+	0.004000	3	≤	No of events	≤	4	0.001000	0.001000
	=	0.001000							No of events	<	3	0.001000	0.001000

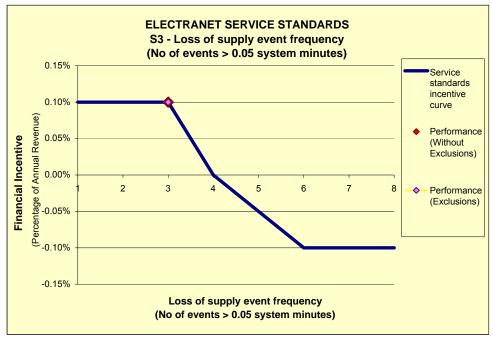
Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Loss of supply event frequency >0.05 system minutes	=	3	3
S-Factor	=	0.100000%	0.100000%

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



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		3	2	1	0
Weighting	-0.200%	-0.200%	0.000%	0.200%	0.200%

Performance Formulae			Forn	mulae					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	х	No of events	+	0.004000	1	≤	No of events	≤	2	0.002000	0.002000
	=	0.002000							No of events	<	1	0.002000	0.002000

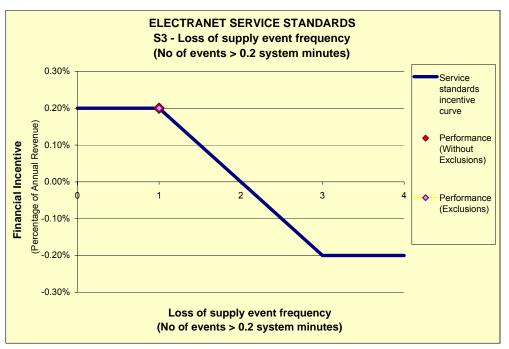
Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Loss of supply event frequency >0.05 system minutes	=	1	1
S-Factor	=	0.200000%	0.200000%

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



ELECTRANET - S5 - Average outage duration (minutes)

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

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

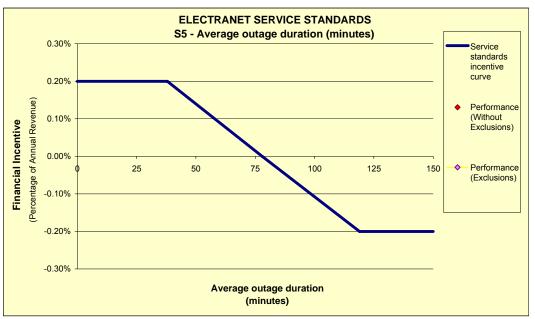
Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Average outage duration	=	195	195
S-Factor	=	-0.200000%	-0.200000%

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



ELECTRANET - Revenue Calculation

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

Annual revenue adjusted for CPI	
CPI	
	2008-09
AR	\$229,990,000

Calendar year revenue	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

Dowformano november	ç	Target	Perform	nance without e	exclusions	Perfori	Impact of		
Performance parameter	S		Performance	S-Factor	Final Incentive	Performance	S-Factor	Final Incentive	exclusions
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
TOTALS				-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

Defined exclusions	Further description of exclusion	Reference
Unregulated transmission assets		Appendix C Revenue cap decision
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
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
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
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 Force majeure		Appendix D First proposed STPI
o. Parameter 2 - Critical circuit availability – peak		
Defined exclusions	Further description of exclusion	Reference
1 Unregulated transmission assets		Appendix C Revenue cap decision
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
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
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
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 Force majeure		Appendix D First proposed STPI
Parameter 3 - Loss of supply event frequency (>0.2 system minutes)		
Defined exclusions	Further description of exclusion	Reference
Successful reclose events (<1 min duration)		Appendix C Revenue cap decision
2 Unregulated transmission assets		Appendix C Revenue cap decision
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 Planned outages		Appendix C Revenue cap decision
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
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
7 Force majeure		Appendix D First proposed STPI
•	Where ElectroNet protection approache incorrectly cheed of third party protection the parties of quateres lead that would have been less	
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
ElectraNet protection operates correctly due to a fault on a third party system	t Where ElectraNet protection operates correctly due to a fault on a third party system no lost load is recorded.	Appendix C Revenue cap decision
Parameter 4 - Loss of supply event frequency		
(>1.0 system minutes) Defined exclusions	Further description of exclusion	Reference
1 Successful reclose events (<1 min duration)	Turnior accompact of excitacion	Appendix C Revenue cap decisi
.2 Unregulated transmission assets		Appendix C Revenue cap decisi

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.	tAppendix 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
Parameter 5 - Average outage duration		
Defined exclusions	Further description of exclusion	Reference
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	Appendix C Revenue cap decision

No. Critical circuit availability – non-peak (zero weighting)		
Defined exclusions	Further description of exclusion	Reference
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 the network (in both cases only where the element is available for immediate energisation if required).	o 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)

timeframes (i.e. excluding factors outside of ElectraNet's control).

5.7 ElectraNet protection operates correctly due to a fault Where ElectraNet protection operates correctly due to a fault on a third party system no lost load is recorded.

5.6 Force majeure

on a third party system

Appendix D First proposed STPIS

Appendix C Revenue cap decision