

## TEMPLATE EXPLANATION



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

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

Purple worksheets **'S1' to 'S6'** are the s-factor results based on the performance inputs from the 'Inputs - Performance' worksheet.

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

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

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

## POWERLINK - SERVICE STANDARDS PERFORMANCE

<b>PERFORMANCE PARAMETERS</b>	<b>S</b>	<i>Performance (Without exclusions)</i>	<i>Performance (With exclusions)</i>
<b>Transmission circuit availability - critical elements</b>	S1	98.986050%	98.989870%
<b>Transmission circuit availability - non-critical elements</b>	S2	98.478940%	98.513182%
<b>Transmission circuit availability - peak periods</b>	S3	98.440715%	98.476326%
<b>Loss of supply event frequency (No of events &gt; 0.2 system minutes)</b>	S4	2	2
<b>Loss of supply event frequency (No of events &gt; 1.0 system minutes)</b>	S5	0	0
<b>Average outage duration</b>	S6	1075	1046

<b>Date prepared:</b>	30 January 2009
<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

POWERLINK - Proposed exclusions

CIRCUIT AVAILABILITY	Event proposed for exclusion	Description of the event and its impact on the network and performance	Cause of the event	Start date	Start time	End date	End time	Circuits affected	Reactive plant or transformer	Quantitative impact	Reasons for exclusion request	Further references
Name of any circuit availability parameters applying to Powerlink	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 elements	20080209	H001 Swanbank B: Feeder 803 opened. Trip initiated by Swanbank B Power Station. Powerlink plant and equipment operated as expected.	Generator testing issue.	13/06/08	10:23:31	13/06/08	10:57:07	Feeder 803		0.5600	3rd party outage	
	20080215	H001 Swanbank B: Feeder 803 opened at the same time as Swanbank B Power Station 1 Generator tripped. Event investigation undertaken. Swanbank B Power Station advised of generator equipment failure. Powerlink plant and equipment operated as expected.	Generator equipment failure.	19/06/08	06:07:18	19/06/08	09:44:51	Feeder 803		3.6258	3rd party outage	
	20080259	H007 Gladstone: Fdr 812 and H007 Gladstone 275kV 1 Bus tripped. Trip initiated by Gladstone Power Station. Powerlink plant and equipment operated as expected.	Generator testing issue.	3/09/08	15:24:51	3/09/08	16:47:02	Feeder 812		1.3697	3rd party outage	
	20080262	H001 Swanbank B: Feeder 803 opened at the same time as Swanbank B Power Station 1 Generator tripped. Event investigation undertaken. Swanbank B Power Station advised of generator equipment failure. Powerlink plant and equipment operated as expected.	Generator equipment failure.	7/09/08	01:55:08	7/09/08	01:57:15	Feeder 803		0.0353	3rd party outage	
	20080266	H018 Tarong: Feeder 827 tripped and locked out due to storms in the area.	Industrial action.	20/09/08	20:21:30	21/09/08	17:56:08	Feeder 827		21.5772	Force majeure	
	20080278	H001 Swanbank B: Feeder 803 opened at the same time as Swanbank B Power Station 1 Generator tripped. Event investigation undertaken. Swanbank B Power Station advised of generator equipment failure. Powerlink plant and equipment operated as expected.	Generator equipment failure.	28/09/08	12:24:16	28/09/08	12:44:30	Feeder 803		0.3372	3rd party outage	
	20080404	H001 Swanbank B: Feeder 803 opened at the same time as Swanbank B Power Station 1 Generator tripped. Event investigation undertaken. Swanbank B Power Station advised of generator equipment failure. Powerlink plant and equipment operated as expected.	Generator equipment failure.	31/12/08	05:44:39	31/12/08	05:45:15	Feeder 803		0.0100	3rd party outage	

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 parameters applying to Powerlink	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.				
S2	Transmission circuit availability - non-critical elements	20080056	T109 Moranbah South: Feeder 7177 opened. Trip initiated by Queensland Railways. Event investigation undertaken. Powerlink plant and equipment operated as expected.	Customer equipment failure.	21/01/08	15:24:48	21/01/08	17:27:29	Feeder 7177		2.0447	3rd party outage		
		20080169	T053 Kamerunga: Feeder 7184 opened. Trip initiated by Barron Gorge Power Station. Powerlink plant and equipment operated as expected.	Generator testing issue.	5/04/08	10:15:21	5/04/08	12:41:11	Feeder 7184		2.4306	3rd party outage		
		20080177	T053 Kamerunga: Feeder 7143 opened. Trip initiated by Barron Gorge Power Station. Powerlink plant and equipment operated as expected.	Generator testing issue.	22/04/08	16:00:03	22/04/08	16:06:20	Feeder 7143		0.1047	3rd party outage		
		20080191	T042 Clare: Transformer 3 tripped. Trip initiated by distributor. Event investigation undertaken. Powerlink plant and equipment operated as expected.	Distributor equipment failure.	20/05/08	15:23:52	20/05/08	18:51:08		T042 Clare Transformer 3		3.4544	3rd party outage	
		20080191	T042 Clare: Transformer 1 tripped. Trip initiated by distributor. Event investigation undertaken. Powerlink plant and equipment operated as expected.	Distributor equipment failure.	20/05/08	15:23:52	20/05/08	18:51:50		T042 Clare Transformer 1		3.4661	3rd party outage	
		20080229	H009 Palmwoods: Transformer 5 tripped. Trip initiated by distributor. Event investigation undertaken. Powerlink plant and equipment operated as expected.	Distributor equipment failure.	21/07/08	11:33:47	21/07/08	12:48:32		H009 Palmwoods Transformer 5		1.2458	3rd party outage	
		20080239	T042 Clare: Transformer 2 tripped. Trip initiated by distributor. Event investigation undertaken. Powerlink plant and equipment operated as expected.	Distributor equipment failure.	5/08/08	06:08:55	5/08/08	11:55:59		T042 Clare Transformer 2		5.7844	3rd party outage	
		20080251	H029 Stanwell: Feeder 864 opened. Trip initiated by Stanwell Power Station. Event investigation undertaken. Powerlink plant and equipment operated as expected.	Generator equipment failure.	21/08/08	16:26:30	21/08/08	16:55:53	Feeder 864		0.4897	3rd party outage		
		20080256	T027 Moura: Transformer 1 tripped. Trip initiated by distributor. Event investigation undertaken. Powerlink plant and equipment operated as expected.	Distributor equipment failure.	1/09/08	03:21:17	2/09/08	16:11:06		T027 Moura Transformer 1		36.8303	3rd party outage	
		20080260	H038 Goodna: Transformer 1 tripped due to failed B phase surge diverter on the 110kV side of the transformer.	Industrial action.	5/09/08	17:00:00	10/09/08	14:32:22		H038 Goodna Transformer 1		117.5394	Force majeure	
		Q08S/2026	T056 Townsville South: circuit breaker CB 71312 on feeder 7131 inoperable. 132kV 1 Bus at T056 de-energised under operational switching.	Industrial action.	16/09/08	08:00:00	18/09/08	23:19:03	Feeder 7236		63.3175	Force majeure		
		Q08S/2026	T056 Townsville South: circuit breaker CB 71312 on feeder 7131 inoperable. 132kV 1 Bus at T056 de-energised under operational switching.	Industrial action.	16/09/08	08:00:00	18/09/08	20:38:56	Feeder 7242		60.6489	Force majeure		
		Q08S/2026	T056 Townsville South: circuit breaker CB 71312 on feeder 7131 inoperable. 132kV 1 Bus at T056 de-energised under operational switching.	Industrial action.	16/09/08	08:00:00	18/09/08	20:26:51		T056 Townsville Sth Transformer 1		60.4475	Force majeure	
		Q08S/2026	T056 Townsville South: circuit breaker CB 71312 on feeder 7131 inoperable. 132kV 1 Bus at T056 de-energised under operational switching.	Industrial action.	16/09/08	08:00:00	18/09/08	20:34:02		T056Townsville Sth Capacitor 4		60.5672	Force majeure	
		Q08S/2026	T056 Townsville South: circuit breaker CB 71312 on feeder 7131 inoperable. 132kV 1 Bus at T056 de-energised under operational switching.	Industrial action.	16/09/08	08:00:00	18/09/08	20:25:12	Feeder 7156		60.4200	Force majeure		

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 parameters applying to Powerlink	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.
	Q08S/2026	T056 Townsville South: circuit breaker CB 71312 on feeder 7131 inoperable. 132kV 1 Bus at T056 de-energised under operational switching.	Industrial action.	16/09/08	08:00:00	18/09/08	21:49:11	Feeder 7131		61.8197	Force majeure	
	Q08S/2068	T065 Alligator Creek: SF6 low gas alarm on Transformer 1 circuit breaker. Transformer removed from service.	Industrial action.	19/09/08	20:00:00	23/09/08	11:10:09		T065 Alligator Ck Transformer 1	87.1692	Force majeure	
	20080270	H018 Tarong: Feeder 842 opened. Trip initiated by Tarong Power Station. Powerlink plant and equipment operated as expected.	Generator equipment failure.	20/09/08	21:14:33	21/09/08	11:55:53	Feeder 842		14.6889	3rd party outage	
	20080283	T053 Kamerunga: Feeder 7184 opened. Trip initiated by Barron Gorge Power Station. Powerlink plant and equipment operated as expected.	Generator testing issue.	3/10/08	09:02:02	3/10/08	10:44:25	Feeder 7184		1.7064	3rd party outage	
	20080283	T053 Kamerunga: Feeder 7143 opened. Trip initiated by Barron Gorge Power Station. Powerlink plant and equipment operated as expected.	Generator testing issue.	3/10/08	09:02:02	3/10/08	10:44:53	Feeder 7143		1.7142	3rd party outage	
	20080290	H009 Palmwoods: Transformer 6 tripped. Trip initiated by distributor. Event investigation undertaken. Powerlink plant and equipment operated as expected.	Distributor equipment failure.	15/10/08	19:46:55	15/10/08	20:02:22		H009 Palmwoods Transformer 5	0.2575	3rd party outage	
	20080351	H009 Palmwoods: Transformer 5 tripped. Trip initiated by distributor. Event investigation undertaken. Powerlink plant and equipment operated as expected.	Distributor equipment failure.	6/12/08	18:42:51	6/12/08	19:05:02		H009 Palmwoods Transformer 6	0.3697	3rd party outage	
	20080358	T035 Dysart-T034 Moranbah-T110 Peak Downs: Feeder 7124 tripped during an extreme storm. Impact of storm resulted in 7 towers on the ground.	Extreme storm event	8/12/08	13:31:50	10/12/08	17:00:08	Feeder 7124/1		51.4717	Force Majeure	
	20080358	T035 Dysart-T034 Moranbah-T110 Peak Downs: Feeder 7124 tripped during an extreme storm. Impact of storm resulted in 7 towers on the ground.	Extreme storm event	8/12/08	13:31:50	1/01/09	00:00:00	Feeder 7124/2		562.4694	Force Majeure	
	20080358	T035 Dysart-T034 Moranbah-T110 Peak Downs: Feeder 7124 tripped during an extreme storm. Impact of storm resulted in 7 towers on the ground.	Extreme storm event	8/12/08	13:31:50	10/12/08	17:00:08	Feeder 7124/3		51.4717	Force Majeure	

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 parameters applying to Powerlink	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.		
S3	Transmission circuit availability - peak periods	20080056	T109 Moranbah South: Feeder 7177 opened. Trip initiated by customer. Event investigation undertaken. Powerlink plant and equipment operated as expected.	Customer equipment failure.	21/01/08	15:24:48	21/01/08	17:27:29	Feeder 7177		2.0447	3rd party outage		
		20080177	T053 Kamerunga: Feeder 7143 opened. Trip initiated by Barron Gorge Power Station. Powerlink plant and equipment operated as expected.	Generator testing issue.	22/04/08	16:00:03	22/04/08	16:06:20	Feeder 7143		0.1047	3rd party outage		
		20080191	T042 Clare: Transformer 3 tripped. Trip initiated by distributor. Event investigation undertaken. Powerlink plant and equipment operated as expected.	Distributor equipment failure.	20/05/08	15:23:52	20/05/08	18:51:08		T042 Clare Transformer 3		3.4544	3rd party outage	
		20080191	T042 Clare: Transformer 1 tripped. Trip initiated by distributor. Event investigation undertaken. Powerlink plant and equipment operated as expected.	Distributor equipment failure.	20/05/08	15:23:52	20/05/08	18:51:50		T042 Clare Transformer 1		3.4661	3rd party outage	
		20080209	H001 Swanbank B: Feeder 803 opened. Trip initiated by Swanbank B Power Station. Powerlink plant and equipment operated as expected.	Generator testing issue.	13/06/08	10:23:31	13/06/08	10:57:07	Feeder 803			0.5600	3rd party outage	
		20080215	H001 Swanbank B: Feeder 803 opened at the same time as Swanbank B Power Station 1 Generator tripped. Event investigation undertaken. Swanbank B Power Station advised of generator equipment failure. Powerlink plant and equipment operated as expected.	Generator equipment failure.	19/06/08	06:07:18	19/06/08	09:44:51	Feeder 803			2.7475	3rd party outage	
		20080229	H009 Palmwoods: Transformer 5 tripped. Trip initiated by distributor. Event investigation undertaken. Powerlink plant and equipment operated as expected.	Distributor equipment failure.	21/07/08	11:33:47	21/07/08	12:48:32		H009 Palmwoods Transformer 5		1.2458	3rd party outage	
		20080239	T042 Clare: Transformer 2 tripped. Trip initiated by distributor. Event investigation undertaken. Powerlink plant and equipment operated as expected.	Distributor equipment failure.	5/08/08	06:08:55	5/08/08	11:55:59		T042 Clare Transformer 2		4.9331	3rd party outage	
		20080251	H029 Stanwell: Feeder 864 opened. Trip initiated by Stanwell Power Station. Event investigation undertaken. Powerlink plant and equipment operated as expected.	Generator equipment failure.	21/08/08	16:26:30	21/08/08	16:55:53	Feeder 864			0.4897	3rd party outage	
		20080256	T027 Moura: Transformer 1 tripped. Trip initiated by distributor. Event investigation undertaken. Powerlink plant and equipment operated as expected.	Distributor Equipment failure.	1/09/08	03:21:17	2/09/08	16:11:06		T027 Moura Transformer 1		24.1850	3rd party outage	
		20080259	H007 Gladstone: Fdr 812 and H007 Gladstone 275kV 1 Bus tripped. Trip initiated by Gladstone Power Station. Powerlink plant and equipment operated as expected.	Generator testing issue.	3/09/08	15:24:51	3/09/08	16:47:02	Feeder 812			1.3697	3rd party outage	
		20080260	H038 Goodna: Transformer 1 tripped due to failed B phase surge diverter on the 110kV side of the transformer.	Industrial action.	5/09/08	17:00:00	10/09/08	14:32:22		H038 Transformer 1		42.5394	Force majeure	
		Q08S/2026	T056 Townsville South: circuit breaker CB 71312 on feeder 7131 inoperable. 132kV 1 Bus at T056 de-energised under operational switching.	Industrial action.	16/09/08	08:00:00	18/09/08	23:19:03	Feeder 7236			44.0000	Force majeure	
		Q08S/2026	T056 Townsville South: circuit breaker CB 71312 on feeder 7131 inoperable. 132kV 1 Bus at T056 de-energised under operational switching.	Industrial action.	16/09/08	08:00:00	18/09/08	20:38:56	Feeder 7242			42.6489	Force majeure	

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 parameters applying to Powerlink	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.
	Q08S/2026	T056 Townsville South: circuit breaker CB 71312 on feeder 7131 inoperable. 132kV 1 Bus at T056 de-energised under operational switching.	Industrial action.	16/09/08	08:00:00	18/09/08	20:26:51		T056 Townsville Sth Transformer 1	42.4475	Force majeure	
	Q08S/2026	T056 Townsville South: circuit breaker CB 71312 on feeder 7131 inoperable. 132kV 1 Bus at T056 de-energised under operational switching.	Industrial action.	16/09/08	08:00:00	18/09/08	20:34:02		T056 Townsville Sth Capacitor 4	42.5672	Force majeure	
	Q08S/2026	T056 Townsville South: circuit breaker CB 71312 on feeder 7131 inoperable. 132kV 1 Bus at T056 de-energised under operational switching.	Industrial action.	16/09/08	08:00:00	18/09/08	20:25:12	Feeder 7156		42.4200	Force majeure	
	Q08S/2026	T056 Townsville South: circuit breaker CB 71312 on feeder 7131 inoperable. 132kV 1 Bus at T056 de-energised under operational switching.	Industrial action.	16/09/08	08:00:00	18/09/08	21:49:11	Feeder 7131		43.8197	Force majeure	
	Q08S/2068	T065 Alligator Creek: SF6 low gas alarm on Transformer 1 circuit breaker. Transformer removed from service.	Industrial action.	19/09/08	20:00:00	23/09/08	11:10:09		T065 Alligator Ck Transformer 1	21.1692	Force majeure	
	20080283	T053 Kamerunga: Feeder 7184 opened. Trip initiated by Barron Gorge Power Station. Powerlink plant and equipment operated as expected.	Generator testing issue.	3/10/08	09:02:02	3/10/08	10:44:25	Feeder 7184		1.7064	3rd party outage	
	20080283	T053 Kamerunga: Feeder 7143 opened. Trip initiated by Barron Gorge Power Station. Powerlink plant and equipment operated as expected.	Generator testing issue.	3/10/08	09:02:02	3/10/08	10:44:53	Feeder 7143		1.7142	3rd party outage	
	20080290	H009 Palmwoods: Transformer 6 tripped. Trip initiated by distributor. Event investigation undertaken. Powerlink plant and equipment operated as expected.	Distributor equipment failure.	15/10/08	19:46:55	15/10/08	20:02:22		H009 Palmwoods Transformer 5	0.2575	3rd party outage	
	20080358	T035 Dysart-T034 Moranbah-T110 Peak Downs: Feeder 7124 tripped during an extreme storm. Impact of storm resulted in 7 towers on the ground.	Extreme storm event	8/12/08	13:31:50	10/12/08	17:00:08	Feeder 7124/1		33.4717	Force Majeure	
	20080358	T035 Dysart-T034 Moranbah-T110 Peak Downs: Feeder 7124 tripped during an extreme storm. Impact of storm resulted in 7 towers on the ground.	Extreme storm event	8/12/08	13:31:50	18/12/08	11:01:58	Feeder 7124/2		263.4694	Force Majeure	
	20080358	T035 Dysart-T034 Moranbah-T110 Peak Downs: Feeder 7124 tripped during an extreme storm. Impact of storm resulted in 7 towers on the ground.	Extreme storm event	8/12/08	13:31:50	10/12/08	17:00:08	Feeder 7124/3		33.4717	Force Majeure	

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 parameters applying to Powerlink	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.

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	Demand shed and time	Reasons for exclusion request	Further references	
Name of any loss of supply parameters applying to Powerlink	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	The max system demand that occurred up until the time of 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 1.2 Third party event	A TNSP may provide further details of an exclusion event. TNSP to provide reference.	
S4	Loss of supply event frequency (No of events > 0.2 system minutes)													
S5	Loss of supply event frequency (No of events > 1.0 system minutes)													



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 parameters applying to Powerlink	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.

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 Powerlink	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	Number of hours and minutes interrupted following the application of a cap	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.	
S6	Average outage duration	20080056	T109 Moranbah South: Feeder 7177 opened. Trip initiated by Queensland Railways. Event investigation undertaken. Powerlink plant and equipment operated as expected.	Customer equipment issue.	21/01/08	15:24:48	21/01/08	17:27:29	Feeder 7177	2.0447		3rd party outage	
		20080169	T053 Kamerunga: Feeder 7184 opened. Trip initiated by Barron Gorge Power Station. Powerlink plant and equipment operated as expected.	Generator testing issue.	5/04/08	10:15:21	5/04/08	12:41:11	Feeder 7184	2.4306		3rd party outage	
		20080177	T053 Kamerunga: Feeder 7143 opened. Trip initiated by Barron Gorge Power Station. Powerlink plant and equipment operated as expected.	Generator testing issue.	22/04/08	16:00:03	22/04/08	16:06:20	Feeder 7143	0.1047		3rd party outage	
		20080191	T042 Clare: Transformer 1 tripped. Trip initiated by distributor. Event investigation undertaken. Powerlink plant and equipment operated as expected.	Distributor equipment failure.	20/05/08	15:23:52	20/05/08	18:51:50	T042 Clare Transformer 1	3.4661		3rd party outage	
		20080209	H001 Swanbank B: Feeder 803 opened. Trip initiated by Swanbank B Power Station. Powerlink plant and equipment operated as expected.	Generator testing issue.	13/06/08	10:23:31	13/06/08	10:57:07	Feeder 803	0.5600		3rd party outage	
		20080215	H001 Swanbank B: Feeder 803 opened at the same time as Swanbank B Power Station 1 Generator tripped. Event investigation undertaken. Swanbank B Power Station advised of generator equipment failure. Powerlink plant and equipment operated as expected.	Generator equipment failure.	19/06/08	06:07:18	19/06/08	09:44:51	Feeder 803	3.6258		3rd party outage	
		20080229	H009 Palmwoods: Transformer 5 tripped. Trip initiated by distributor. Event investigation undertaken. Powerlink plant and equipment operated as expected.	Distributor equipment failure.	21/07/08	11:33:47	21/07/08	12:48:32	H009 Palmwoods Transformer 5	1.2458		3rd party outage	
		20080239	T042 Clare: Transformer 2 tripped. Trip initiated by distributor. Event investigation undertaken. Powerlink plant and equipment operated as expected.	Distributor equipment failure.	5/08/08	06:08:55	5/08/08	11:55:59	T042 Clare Transformer 2	5.7844		3rd party outage	
		20080251	H029 Stanwell: Feeder 864 opened. Trip initiated by Stanwell Power Station. Event investigation undertaken. Powerlink plant and equipment operated as expected.	Generator equipment failure.	21/08/08	16:26:30	21/08/08	16:55:53	Feeder 864	0.4897		3rd party outage	
		20080256	T027 Moranbah: Transformer 1 tripped. Trip initiated by distributor. Event investigation undertaken. Powerlink plant and equipment operated as expected.	Distributor equipment failure.	1/09/08	03:21:17	2/09/08	16:11:06	T027 Moura Transformer 1	36.8303		3rd party outage	
		20080259	H007 Gladstone: Fdr 812 and H007 Gladstone 275kV 1 Bus tripped. Trip initiated by Gladstone Power Station. Powerlink plant and equipment operated as expected.	Generator testing issue.	3/09/08	15:24:51	3/09/08	16:47:02	Feeder 812	1.3697		3rd party outage	
		20080260	H038 Goodna: Transformer 1 tripped due to failed B phase surge diverter on the 110kV side of the transformer.	Industrial action.	5/09/08	17:00:00	10/09/08	14:32:22	H038 Transformer 1	117.5394		Force majeure	

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 parameters applying to Powerlink	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.		
	20080262	H001 Swanbank B: Feeder 803 opened at the same time as Swanbank B Power Station 1 Generator tripped. Event investigation undertaken. Swanbank B Power Station advised of generator equipment failure. Powerlink plant and equipment operated as expected.	Generator equipment failure.	7/09/08	01:55:08	7/09/08	01:57:15	Feeder 803		0.0353	3rd party outage	
	20080266	H018 Tarong: Feeder 827 tripped and locked out due to storms in the area.	Industrial action.	20/09/08	20:21:30	21/09/08	17:56:08	Feeder 827		21.5772	Force Majeure	
	20080270	H018 Tarong: Feeder 842 opened. Trip initiated by Tarong Power Station. Powerlink plant and equipment operated as expected.	Generator equipment failure.	20/09/08	21:14:33	21/09/08	11:55:53	Feeder 842		14.6889	3rd party outage	
	20080278	H001 Swanbank B: Feeder 803 opened at the same time as Swanbank B Power Station 1 Generator tripped. Event investigation undertaken. Swanbank B Power Station advised of generator equipment failure. Powerlink plant and equipment operated as expected.	Generator equipment failure.	28/09/08	12:24:16	28/09/08	12:44:30	Feeder 803		0.3372	3rd party outage	
	20080283	T053 Kamerunga: Feeder 7143 opened. Trip initiated by Barron Gorge Power Station. Powerlink plant and equipment operated as expected.	Generator testing issue.	3/10/08	09:02:02	3/10/08	10:44:53	Feeder 7143		1.7142	3rd party outage	
	20080290	H009 Palmwoods: Transformer 6 tripped. Trip initiated by distributor. Event investigation undertaken. Powerlink plant and equipment operated as expected.	Distributor equipment failure.	15/10/08	19:46:55	15/10/08	20:02:22	H009 Palmwoods Transformer 5		0.2575	3rd party outage	
	20080351	H009 Palmwoods: Transformer 5 tripped. Trip initiated by distributor. Event investigation undertaken. Powerlink plant and equipment operated as expected.	Distributor equipment failure.	6/12/08	18:42:51	6/12/08	19:05:02	H009 Palmwoods Transformer 6		0.3697	3rd party outage	
	20080358	T035 Dysart-T034 Moranbah-T110 Peak Downs: Feeder 7124 tripped during an extreme storm. Impact of storm resulted in 7 towers on the ground.	Extreme storm event	8/12/08	13:31:50	18/12/08	11:01:58	Feeder 7124/2		562.4694	168.0000 Force majeure	
	20080404	H001 Swanbank B: Feeder 803 opened at the same time as Swanbank B Power Station 1 Generator tripped. Event investigation undertaken. Swanbank B Power Station advised of generator equipment failure. Powerlink plant and equipment operated as expected.	Generator equipment failure.	31/12/08	05:44:39	31/12/08	05:45:15	Feeder 803		0.0100	3rd party outage	

**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.

POWERLINK - S1 - Transmission circuit availability - critical elements

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Transmission circuit availability - critical elements	97.80%	98.01%	99.07%	99.60%	99.90%
Weighting	-0.155%	-0.155%	0.000%	0.155%	0.155%

Performance Formulae	Formulae				Conditions			S- Calc 1	S- Calc 2				
Performance	=	-0.001550			Where:	Availability	<	98.01%	-0.001550	-0.001550			
	=	0.146226	x	Availability	+	-0.144867	98.01%	≤	Availability	≤	99.07%	-0.000123	-0.000117
	=	0.292453	x	Availability	+	-0.289733	99.07%	≤	Availability	≤	99.60%	-0.000246	-0.000234
	=	0.001550					99.60%	<	Availability			0.001550	0.001550

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Transmission circuit availability - critical elements	=	98.986050%	98.989870%
S-Factor	=	-0.012276%	-0.011717%

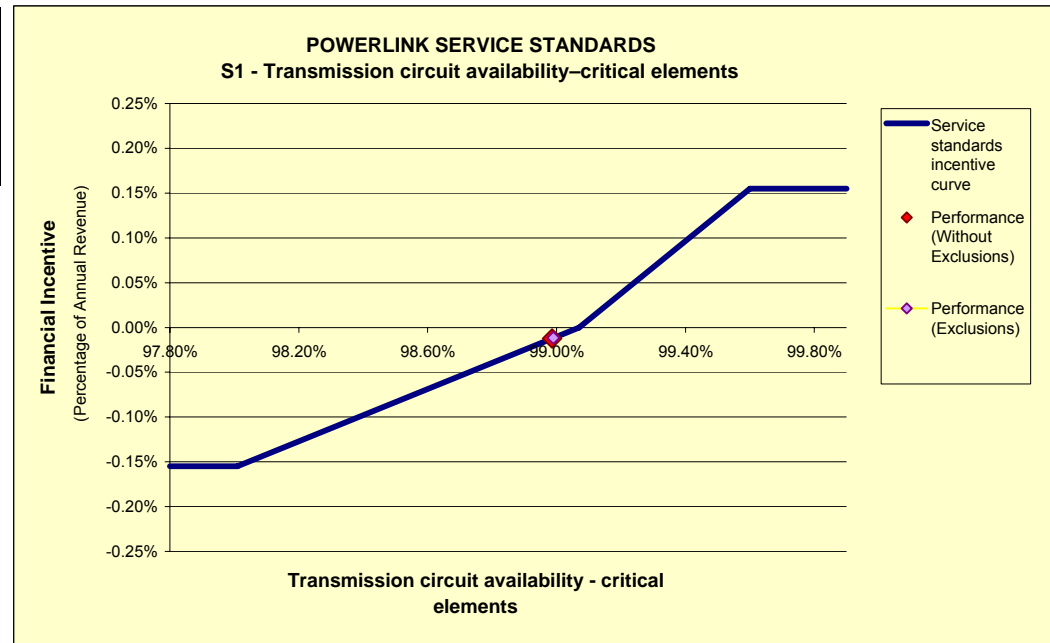
**NOTE: This sheet will automatically update based on data in input sheets.**

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



POWERLINK - S2 - Transmission circuit availability - non-critical elements

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Transmission circuit availability - non-critical elements	97.60%	97.81%	98.40%	98.99%	99.20%
Weighting	-0.085%	-0.085%	0.000%	0.085%	0.085%

Performance Formulae	Formulae					Conditions			S- Calc 1	S- Calc 2			
Performance	=	-0.000850				Where:	Availability	<	97.81%	-0.000850	-0.000850		
	=	0.144068	x	Availability	+	-0.141763	97.81%	≤	Availability	≤	98.40%	0.000114	0.000163
	=	0.144068	x	Availability	+	-0.141763	98.40%	≤	Availability	≤	98.99%	0.000114	0.000163
	=	0.000850					98.99%	<	Availability			0.000850	0.000850

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Transmission circuit availability - non-critical elements	=	98.478940%	98.513182%
S-Factor	=	0.011373%	0.016306%

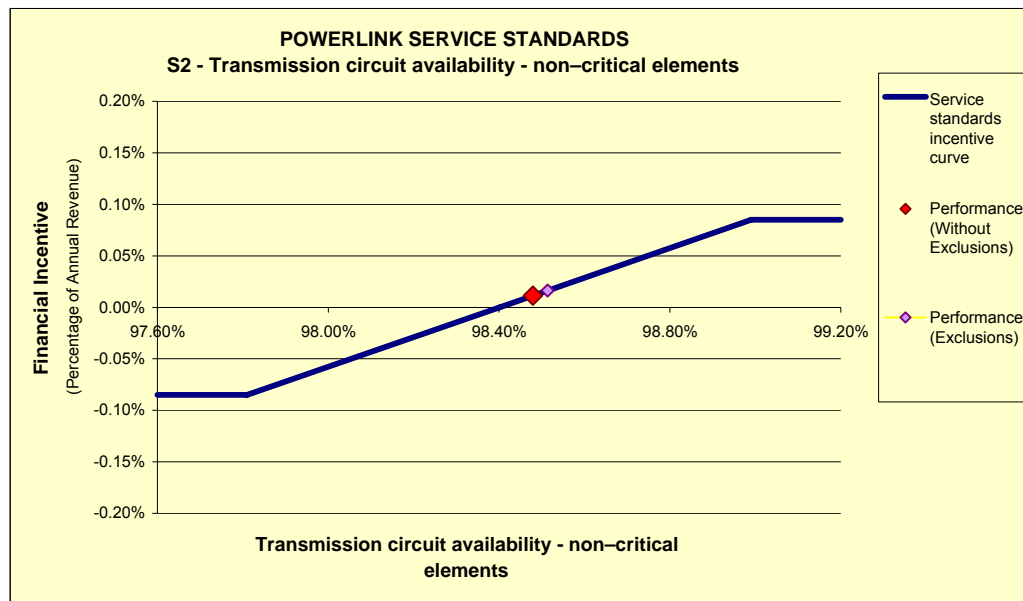
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POWERLINK - S3 - Transmission circuit availability - peak periods

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Transmission circuit availability - peak periods	97.20%	97.53%	98.16%	98.80%	99.10%
Weighting	-0.155%	-0.155%	0.000%	0.155%	0.155%

Performance Formulae	Formulae				Conditions	S- Calc 1	S- Calc 2
Performance	=	-0.001550			Where: Availability < 97.53%	-0.001550	-0.001550
	=	0.246032	x	Availability	+ 97.53% ≤ Availability ≤ 98.16%	0.000691	0.000778
	=	0.242188	x	Availability	+ 98.16% ≤ Availability ≤ 98.80%	0.000680	0.000766
	=	0.001550			98.80% < Availability	0.001550	0.001550

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Transmission circuit availability - peak periods	=	98.440715%	98.476326%
S-Factor	=	0.067986%	0.076610%

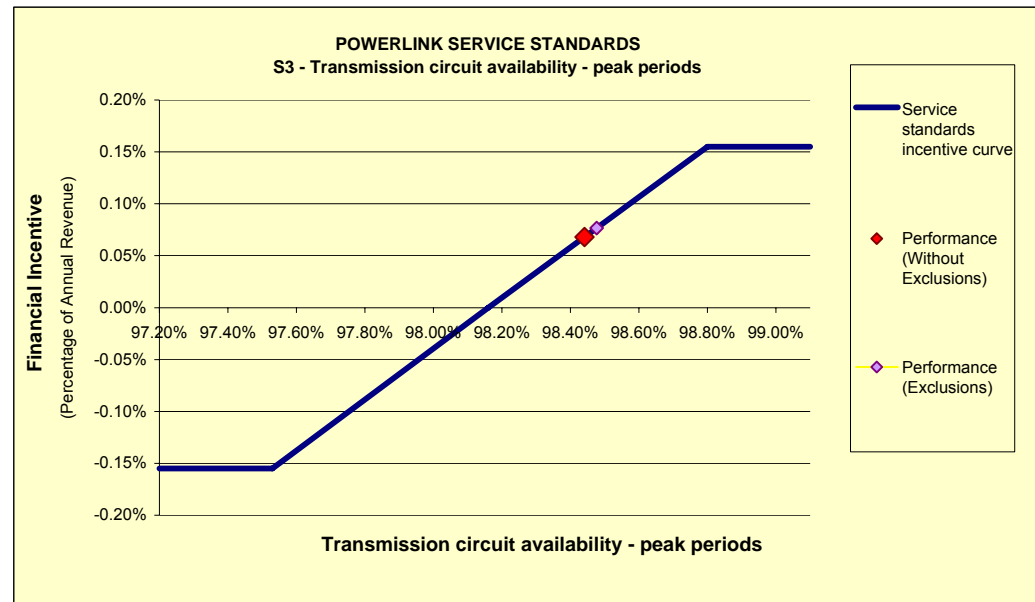
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Orange cells show TNSP's performance outcomes with events excluded from performance data



POWERLINK - 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 (No of events > 0.2 system minutes)	9	8	5	2	0
Weighting	-0.155%	-0.155%	0.000%	0.155%	0.155%

Performance Formulae	Formulae					Conditions	S- Calc 1	S- Calc 2
Performance	=	-0.001550				8 < No of events	-0.001550	-0.001550
	=	-0.000517	x	No of events	+	0.002583 5 ≤ No of events ≤ 8	0.001550	0.001550
	=	-0.000517	x	No of events	+	0.002583 2 ≤ No of events ≤ 5	0.001550	0.001550
	=	0.001550				No of events < 2	0.001550	0.001550

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Loss of supply event frequency (No of events > 0.2 system minutes)	=	2	2
S-Factor	=	0.155000%	0.155000%

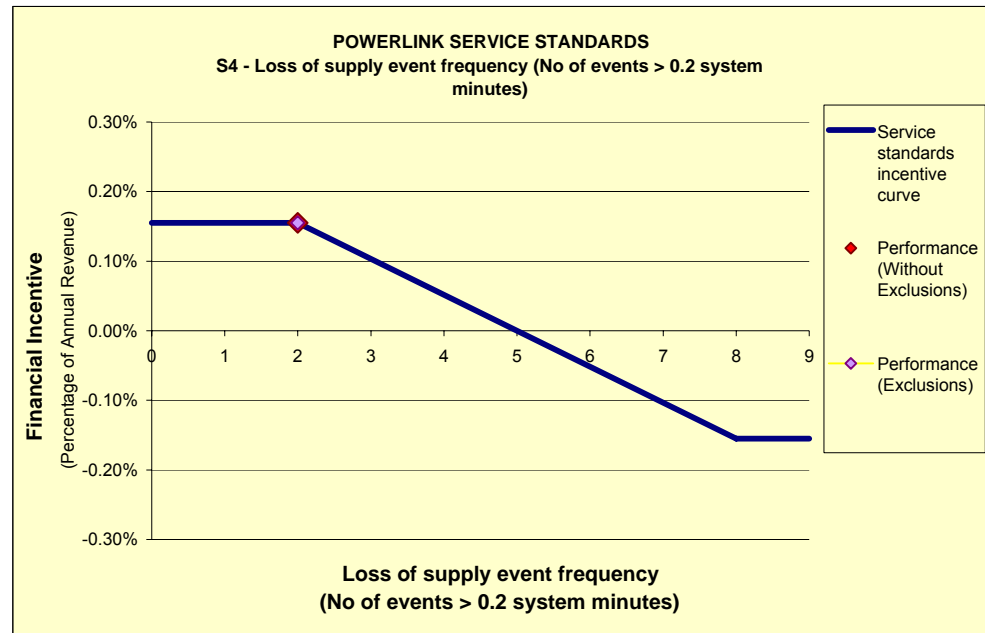
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Orange cells show TNSP's performance outcomes with events excluded from performance data



POWERLINK - S5 - Loss of supply event frequency (No of events > 1.0 system minutes)

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Loss of supply event frequency (No of events > 1.0 system minutes)	4	3.0	1.0	0	0
Weighting	-0.30%	-0.30%	0.00%	0.30%	0.30%

Performance Formulae	Formulae						Conditions			S- Calc 1	S- Calc 2		
Performance	=	-0.003000					Where:	No of events	>	3	-0.003000	-0.003000	
	=	-0.001500	x	No of events	+	0.001500	1	≤	No of events	≤	3	0.001500	0.001500
	=	-0.003000	x	No of events	+	0.003000	0	≤	No of events	≤	1	0.003000	0.003000
	=	0.003000							No of events	<	0	0.003000	0.003000

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Loss of supply event frequency (No of events > 1.0 system minutes)	=	0	0
S-Factor	=	0.300000%	0.300000%

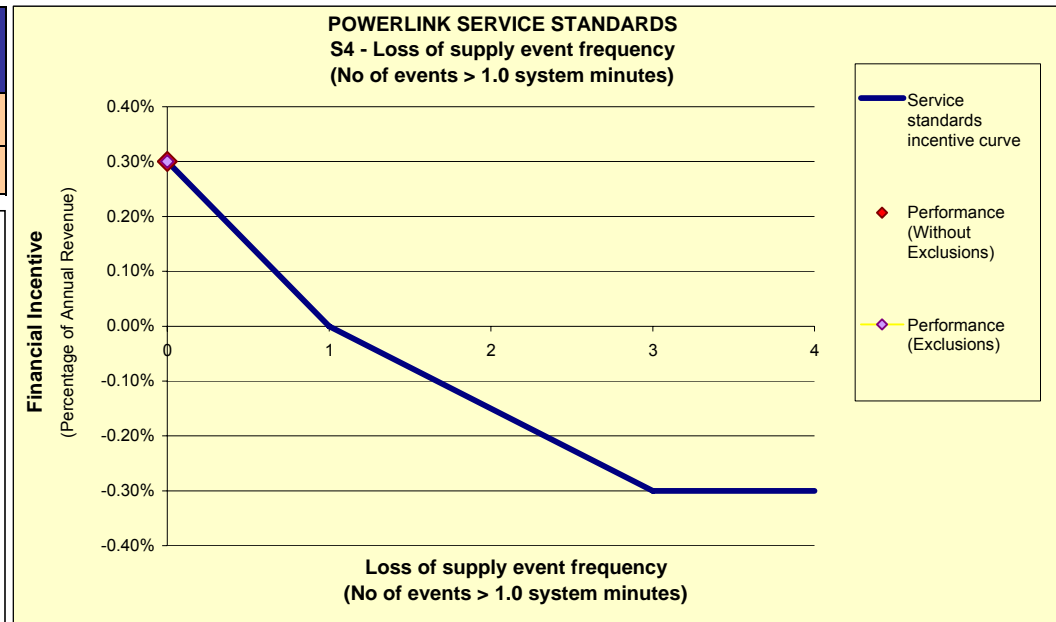
**NOTE: This sheet will automatically update based on data in input sheets.**

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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



POWERLINK - S6 - Average outage duration

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Average outage duration	1750	1627	1033	439	350
Weighting	-0.15%	-0.15%	0.00%	0.15%	0.15%

Performance Formulae	Formulae					Conditions	S- Calc 1	S- Calc 2
Performance	=	-0.001500				Where: Average time > 1627	-0.001500	-0.001500
	=	-0.000003	x	Average time	+ 0.002609	1033 ≤ Average time ≤ 1627	-0.000106	-0.000033
	=	-0.000003	x	Average time	+ 0.002609	439 ≤ Average time ≤ 1033	-0.000106	-0.000033
	=	0.001500				Average time < 439	0.001500	0.001500

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Average outage duration	=	1075	1046
S-Factor	=	-0.010565%	-0.003290%

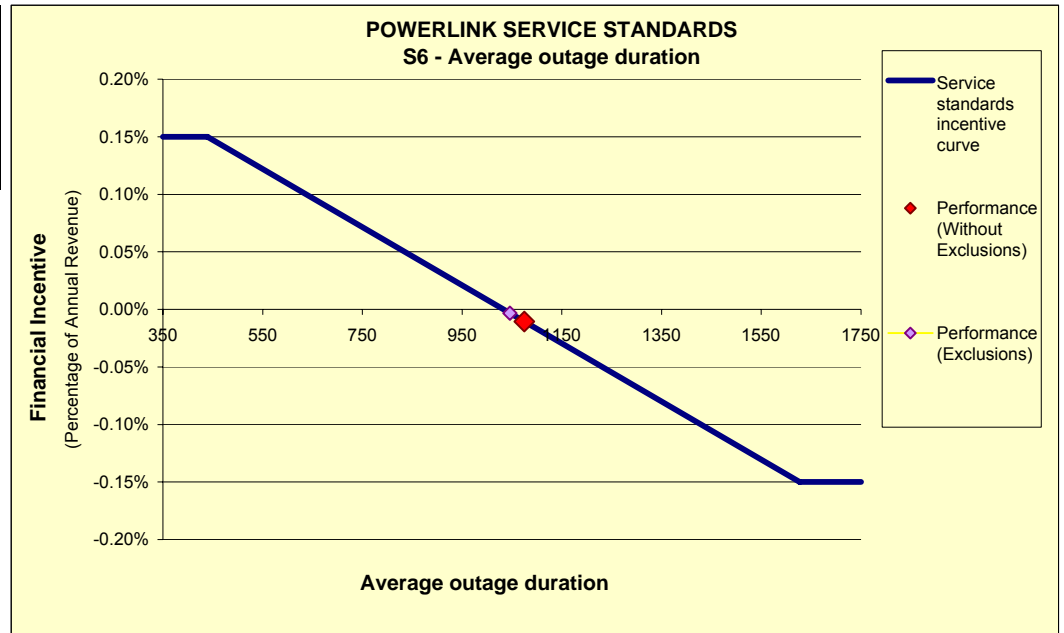
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Blue cells show TNSP's performance targets and weightings.

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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





POWERLINK - Revenue calculation

<b>Revenue cap information</b>	
Base revenue	\$536,810,000
Base year	2007-08
X-factor	-7.61%
Commencement of period	1-Jul-07

<b>Annual revenue adjusted for CPI</b>	<b>Mar-07</b>	<b>Mar-08</b>
CPI	155.6	162.2
	<b>2007-08</b>	<b>2008-09</b>
AR	\$536,810,000	\$602,163,582

<b>Calendar year revenue</b>	<b>2007</b>	<b>2008</b>
Revenue	\$268,405,000	<b>\$569,486,791</b>

**NOTES:**

Grey cells show calendar year revenue

Green cells are for formula

Note: Includes updated X-factor for revocation and substitution of Powerlink's revenue cap.

POWERLINK - Performance outcomes

Revenue calendar year **\$569,486,791**

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 elements	S1	99.070000%	98.986050%	-0.012276%	-\$69,909	98.989870%	-0.011717%	-\$66,727	0.000559%
Transmission circuit availability - non-critical elements	S2	98.400000%	98.478940%	0.011373%	\$64,766	98.513182%	0.016306%	\$92,860	0.004933%
Transmission circuit availability - peak periods	S3	98.160000%	98.440715%	0.067986%	\$387,169	98.476326%	0.076610%	\$436,286	0.008625%
Loss of supply event frequency (No of events > 0.2 system minutes)	S4	5.0	2	0.155000%	\$882,705	2	0.155000%	\$882,705	0.000000%
Loss of supply event frequency (No of events > 1.0 system minutes)	S5	1.0	0	0.300000%	\$1,708,460	0	0.300000%	\$1,708,460	0.000000%
Average outage duration	S6	1033	1075	-0.010565%	-\$60,169	1046	-0.003290%	-\$18,738	0.007275%
<b>TOTALS</b>				0.511517%	\$2,913,022		0.532909%	\$3,034,845	0.021392%

**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	0.532909%
Bonus (penalty)	\$3,034,845
Financial year to affect revenue	2009-10

POWERLINK - Defined exclusions

Parameter 1 - Circuit availability - critical elements		
Defined exclusions	Further description of exclusion	Reference
1.1 Unregulated transmission assets		Service standards guidelines
1.2 3rd party outage	Any outages shown to be caused by a fault or other event on a '3rd party system' e.g. intertrip signal, generator outage, customer installation	Service standards guidelines
1.3 Force majeure		Service standards guidelines
1.4 Any outage not affecting Powerlink's primary transmission equipment.		Appendix D, Powerlink revenue cap decision 2007-08 to 2011-12
1.5 Faults originating from Powerlink owned equipment that affect primary plant or equipment owned by a distributor, connected customer or a generator.		Appendix D, Powerlink revenue cap decision 2007-08 to 2011-12
Parameter 2 - Circuit availability - non-critical elements		
Defined exclusions	Further description of exclusion	Reference
2.1 Unregulated transmission assets		Service standards guidelines
2.2 3rd party outage	Any outages shown to be caused by a fault or other event on a '3rd party system' e.g. intertrip signal, generator outage, customer installation	Service standards guidelines
2.3 Force majeure		Service standards guidelines
2.4 Any outage not affecting Powerlink's primary transmission equipment.		Appendix D, Powerlink revenue cap decision 2007-08 to 2011-12
2.5 Faults originating from Powerlink owned equipment that affect primary plant or equipment owned by a distributor, connected customer or a generator.		Appendix D, Powerlink revenue cap decision 2007-08 to 2011-12
Parameter 3 - Circuit availability - peak hours		
Defined exclusions	Further description of exclusion	Reference
3.1 Unregulated transmission assets		Service standards guidelines
3.2 3rd party outage	Any outages shown to be caused by a fault or other event on a '3rd party system' e.g. intertrip signal, generator outage, customer installation	Service standards guidelines
3.3 Force majeure		Service standards guidelines
3.4 Any outage not affecting Powerlink's primary transmission equipment.		Appendix D, Powerlink revenue cap decision 2007-08 to 2011-12
3.5 Faults originating from Powerlink owned equipment that affect primary plant or equipment owned by a distributor, connected customer or a generator.		Appendix D, Powerlink revenue cap decision 2007-08 to 2011-12
Parameter 4 - Loss of supply event frequency (No. of events > 0.2 system mins)		
Defined exclusions	Further description of exclusion	Reference
4.1 Unregulated transmission assets (eg some connection assets)		Service standards guidelines
4.2 3rd party outage	Any outages shown to be caused by a fault or other event on a '3rd party system' e.g. intertrip signal, generator outage, customer installation	Service standards guidelines
4.3 Planned outages		Service standards guidelines
4.4 Force majeure		Service standards guidelines
Parameter 5 - Loss of supply event frequency (No. of events > 1.0 system mins)		
Defined exclusions	Further description of exclusion	Reference
5.1 Unregulated transmission assets		Service standards guidelines
5.3 3rd party outage	Any outages shown to be caused by a fault or other event on a '3rd party system' e.g. intertrip signal, generator outage, customer installation	Service standards guidelines
5.4 Planned outages		Service standards guidelines
5.5 Force majeure		Service standards guidelines
Parameter 6 - Average outage duration		
Defined exclusions	Further description of exclusion	Reference
6.1 Momentary interruptions (less than one minute)		Service standards guidelines
6.3 Planned outages		Service standards guidelines
6.5 Force majeure		Service standards guidelines