

TEMPLATE EXPLANATION



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

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

Purple worksheets **'S1' to '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 the TNSP's performance in 'Inputs-Performance' and 'Revenue Calculation' worksheets.

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

Transend - SERVICE STANDARDS PERFORMANCE

Performance Inputs								
S	Performance parameter	Collar	Target	Cap	Revenue at Risk	Performance (Without exclusions)	Performance (With exclusions)	Checksum
S1	Transmission circuit availability (critical)	97.90%	99.13%	99.75%	0.20%	99.336504%	99.406196%	-0.01
S2	Transmission circuit availability (non-critical)	98.48%	98.97%	99.47%	0.10%	98.751885%	99.405062%	
S3	Transformer availability	98.67%	99.28%	99.90%	0.15%	99.498808%	99.498956%	
S4	Frequency of loss of supply events (Events > 0.1 system minutes)	21	15	9	0.20%	11	10	0.00
S5	Frequency of loss of supply events (Events > 1.0 system minutes)	4	2	0	0.35%	1	1	
S6	Average outage duration - transmission lines (no revenue attached)	529	326	124	0.00%	314	266	35.71
S7	Average outage duration - transformers (no revenue attached)	1428	712	354	0.00%	216	222	

Revenue Determination Inputs	
TNSP:	Transend
STPIS version:	March, 2008
Regulatory Determination	2009/10 - 2013/14
Base Year Allowed Revenue	\$177,210,840
Base Year	2009-10
X-factor	-5.53%
Commencement of regulatory year	1-Jul-09

Other inputs	
Assessment Period	2013
Financial year to affect revenue:	2014/15
Date prepared:	
Revision date:	
Circuit information	
Number of critical circuits	30.00
Number of non-critical circuits	76.50
Number of transformers	109.83

Average outage duration info (without exclusions)	
No. outages - lines	47
Total outage duration - lines (mins)	14753
No. outages - transformers	22
Total outage duration - transformers (mins)	4745

Average outage duration info (with exclusions)	
No. excluded outages - lines	12
Total no. outages - lines	35
Total outage duration - lines (mins)	9320
No. excluded outages - transformers	1
Total no. outages - transformers	21
Total outage duration - transformers (mins)	4660

Other Inputs						
Annual revenue adjusted for	Mar-09	Mar-10	Mar-11	Mar-12	Mar-13	Mar-14
CPI (old base)	166.2	171.0	176.7	179.5		
CPI (new base)	92.5	95.2	98.3	99.9	102.4	

NOTE:

Pink cells - Performance without exclusions input cells

Orange cells - Performance with exclusions input cells

Green cells - Other inputs

Blue cells - Inputs sourced from the revenue determination

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

Transend - Proposed exclusions

CIRCUIT AVAILABILITY	Event proposed for exclusion	Description of the event and its impact on the network and performance	Cause of the event	Start date	Start time	End date	End time	Total hours unavailable	Circuits affected	Reactive plant or transformer	Quantitative impact	Reasons for exclusion request	Further references	
Name of any circuit availability parameters	Name of the event	Detail of the event. Such as: the action of any third parties, the actions of the TNSP, assets damaged or interrupted.	A description of the cause of the event	Start date and time of event		End date and time of event			Name of circuits or plant affected	Name of any equipment affected	Impact of exclusion event on availability sub-parameter	Full details of the reason/s for excluding this event. Should include a reference to the defined exclusions and explain how it meets this exclusion definition (see Exclusion definition tab). Eg. Exclusion 1.2 Third party event.	A TNSP may provide further details of an exclusion event. TNSP to provide reference.	
S1	Transmission circuit availability (critical)	Generator Requested outages	Various, see OMQ Data 2013 Spreadsheet					110.82	Various		-0.000422	Defined Exclusion 1.3 Third Party Outage	For details see OMQ Data 2013 Spreadsheet.	
S1		Gordon Bushfire	Outage of GO-CS 1 & 2 220kV transmission lines for safety reasons due to bushfires. Requested by Tas Fire and Peter Johnson (Transend)	Bushfire and Tasmania Fire Service direction.	9/02/13	21:15:00	11/02/13	09:25:00	72.33	GO-CS 1 and 2 220 kV transmission circuits	-0.000275	Defined Exclusion 1.3 Third Party Outage	See D14/1877. Total hours unavailable includes a factor of 2 as two circuits are affected.	
S1									0					
S1									0					
S1									0					
S1									0					
S2	Transmission circuit availability (non-critical)	Generator Requested outages	Various, see OMQ Data 2013 Spreadsheet					3957.92	Various		-0.005906	Defined Exclusion 1.3 Third Party Outage	For details see OMQ Data 2013 Spreadsheet.	
S2		Generator Shared outages	Various, see OMQ Data 2013 Spreadsheet					393.28	Various		-0.000587	Defined Exclusion 1.3 Third Party Outage	For details see OMQ Data 2013 Spreadsheet.	
S2		Bell Bay Aluminium shared outage	GT-CO outage coincident with BBA shared maintenance	BBA and Transend undertaking maintenance at the same time	28/07/13	07:15:00	28/07/13	16:06:00	8.85	GT-CO 5 220 kV Transmission Circuit		-0.000013	Defined Exclusion 1.3 Third Party Outage	See D14/1881
S2		Timberlink shared outage	GT-SW outage coincident with Timberlink maintenance	Timberlink and Transend undertaking maintenance at the same time	18/09/13	03:32:00	18/09/13	05:06:00	1.57	GT-SW 110 kV Transmission Circuit		-0.000002	Defined Exclusion 1.3 Third Party Outage	See D14/1881
S2		TEMCO shared outage	GT-TE outage coincident with Timberlink maintenance	TEMCO and Transend undertaking maintenance at the same time	28/08/13	07:56:00	28/08/13	19:25:00	11.48	GT-TE 1 110 kV Transmission Circuit		-0.000017	Defined Exclusion 1.3 Third Party Outage	See D14/1881
S2		Downham's Road Fire	LF-SO-TB and LF-SO de-energised due to uncontrolled bushfire in the vicinity of the easement and Fire Service Direction. See OMQ data 2013 file and IR1231 for details.	Uncontrolled bushfire in the vicinity of the easement and Fire Service Direction	6/03/13	15:36:00	6/03/13	17:32:00	3.87	LF-SO and LF-SO-TB 110 kV Transmission Circuits		-0.000006	Defined Exclusion 1.3 Third Party Outage	See D14/1978. Total hours unavailable includes a factor of 2 as two circuits are affected.
S2								0						
S3	Transformer availability	Generator Requested outages	Various, see OMQ Data 2013 Spreadsheet					1.42	Various		-0.000001	Defined Exclusion 1.3 Third Party Outage	For details see OMQ Data 2013 Spreadsheet.	
S3														
S3									0					
S3									0					
S3									0					
S3									0					

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 and quantification of the impact on the network and performance. The descriptive elements should also include reasons for the exclusion request making reference to the "Exclusion Definitions" worksheet.

Each exclusion should be entered onto one row for each parameter. Where one exclusion event applies to more than one parameter, the relevant details of the event should be entered under each of the measure headings.

The TNSP must provide details for all events requested for exclusion in this template. In the event that the TNSP wishes to provide further details of an exclusion, this should be provided with the TNSP's performance report. The source of information should be referenced in this template.

Transend - Proposed exclusions

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	Demand shed and time	Quantitative impact	Reasons for exclusion request	Further references	
Name of any loss of supply parameters		Name of the event	Detail of the event. Such as: the action of any third parties, the actions of the TNSP, assets damaged or interrupted.	A description of the cause of the event	Start date and time of event	Start time	End date and time of event	End time	Name of circuits or plant affected	The max system demand that occurred up until the time of the event	The (MW) demand shed and the duration it was shed for.	Impact of exclusion event on LOS Parameter	Full details of the reason/s for excluding this event. Should include a reference to the defined exclusions and explain how it meets this exclusion definition (see Exclusion definition tab). Eg. Exclusion 1.2 Third party event	A TNSP may provide further details of an exclusion event. TNSP to provide reference.	
S4	Frequency of loss of supply events (Events > 0.1 system minutes)	Downham's Road Fire	LF-SO-TB and LF-SO de-energised due to uncontrolled bushfire in the vicinity of the easement and Fire Service Direction. See OMQ data 2013 file and IR1231 for details.	Uncontrolled bushfire in the vicinity of the easement and Tasmania Fire Service Direction	6/03/2013	15:36	6/03/2013	17:32	LF-SO-TB and LF-SO 110 kV transmission line circuits	1874 MW	8.5 MW for 116 minutes	1	Defined Exclusion 1.3 Third Party Outage	See D14/1978	
S5	Frequency of loss of supply events (Events > 1.0 system minutes)														

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Transend - Proposed exclusions

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		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	Impact of exclusion event on AOD Parameter	Impact of capped exclusion event on AOD parameter	Full details of the reason 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 - transmission lines (no revenue attached)	Downham's Road Fire	LF-SO-TB and LF-SO de-energised due to uncontrolled bushfire in the vicinity of the easement and Fire Service Direction. See OMQ data 2013 file and IR1231 for details.	Uncontrolled bushfire in the vicinity of the easement and Tasmania Fire Service Direction	6/03/13	15:36:00	6/03/13	17:32:00	LF-SO and LF-SO-TB 110 kV transmission circuits	-4.175		Defined Exclusion 1.3 Third Party Outage	See D14/1978
		Gordon Bushfire	Outage of GO-CS 1 & 2 220kV transmission lines for safety reasons due to bushfires. Requested by Tas Fire and Peter Johnson (Transend)	Bushfire and Tasmania Fire Service direction.	9/02/13	21:15:00	11/02/13	09:25:00	GO-CS 1 and 2 220 kV transmission circuits	52.881		Defined Exclusion 1.3 Third Party Outage	See D14/1877
		Generator Requested outages	Various, see OMQ Data 2013 Spreadsheet	Multiple circuit outages, see OMQ Data 2013 Spreadsheet for details.					Various	-32.945		Defined Exclusion 1.3 Third Party Outage	For details see OMQ Data 2013 Spreadsheet.
S7	Average outage duration - transformers (no revenue attached)	Generator Requested outage	OMQ Data 2013 Spreadsheet, number PROMS 1891	intertrip from generator.	2/02/13	12:00	2/02/13	13:25	FA 220/110 kV T1 Transformer Circuit	-10.087		Defined Exclusion 1.3 Third Party Outage	For details see OMQ Data 2013 Spreadsheet.

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 and quantification of the impact on the network and performance. The descriptive elements should also include reasons for the exclusion request making reference to the "Exclusion Definitions" worksheet.

Each exclusion should be entered onto one row for each parameter. Where one exclusion event applies to more than one parameter, the relevant details of the event should be entered under each of the measure headings.

The TNSP must provide details for all events requested for exclusion in this template. In the event that the TNSP wishes to provide further details of an exclusion, this should be provided with the TNSP's performance report. The source of information should be referenced in this template.

Transend - S1 - Transmission circuit availability (critical)

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Transmission circuit availability (critical)	97.70%	97.90%	99.13%	99.75%	100.00%
Weighting	-0.20%	-0.20%	0.00%	0.20%	0.20%

Performance Formulae	Formulae				Conditions				S- Calc 1	S- Calc 2			
Performance	=	-0.002000											
	=	0.162602	x	Availability	+	-0.161187	97.90%	≤	Availability	≤	99.13%	0.000336	0.000449
	=	0.322581	x	Availability	+	-0.319774	99.13%	≤	Availability	≤	99.75%	0.000666	0.000891
	=	0.002000					99.75%	<	Availability			0.002000	0.002000

Performance Outcomes	Performance (Without Exclusions)	Performance (Exclusions)
Transmission circuit availability (critical)	= 99.336504%	99.406196%
S-Factor	= 0.066614%	0.089095%

NOTE:

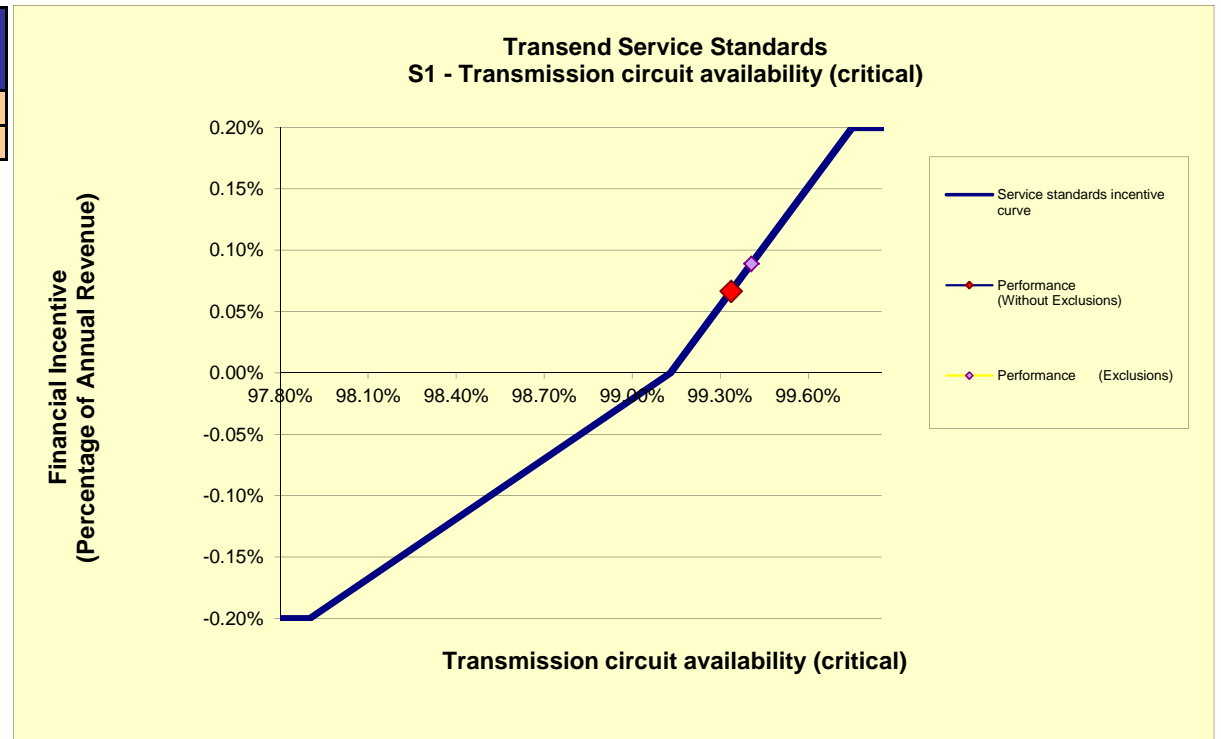
This sheet will automatically update based on data in input sheets

Blue cells show the TNSP's performance targets and weightings

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

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

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



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

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Transmission circuit availability (non-critical)	98.30%	98.48%	98.97%	99.47%	99.70%
Weighting	-0.10%	-0.10%	0.00%	0.10%	0.10%

Performance Formulae	Formulae					Conditions				S- Calc 1	S- Calc 2		
Performance	=	-0.001000				When:	Availability	<	98.48%	-0.001000	-0.001000		
	=	0.204082	x	Availability	+	-0.201980	98.48%	≤	Availability	≤	98.97%	-0.000445	0.000888
	=	0.200000	x	Availability	+	-0.197940	98.97%	≤	Availability	≤	99.47%	-0.000436	0.000870
	=	0.001000					99.47%	<	Availability			0.001000	0.001000

Performance Outcomes	Performance (Without Exclusions)	Performance (Exclusions)
Transmission circuit availability (non-critical)	= 98.751885%	99.405062%
S-Factor	= -0.044513%	0.087012%

NOTE:

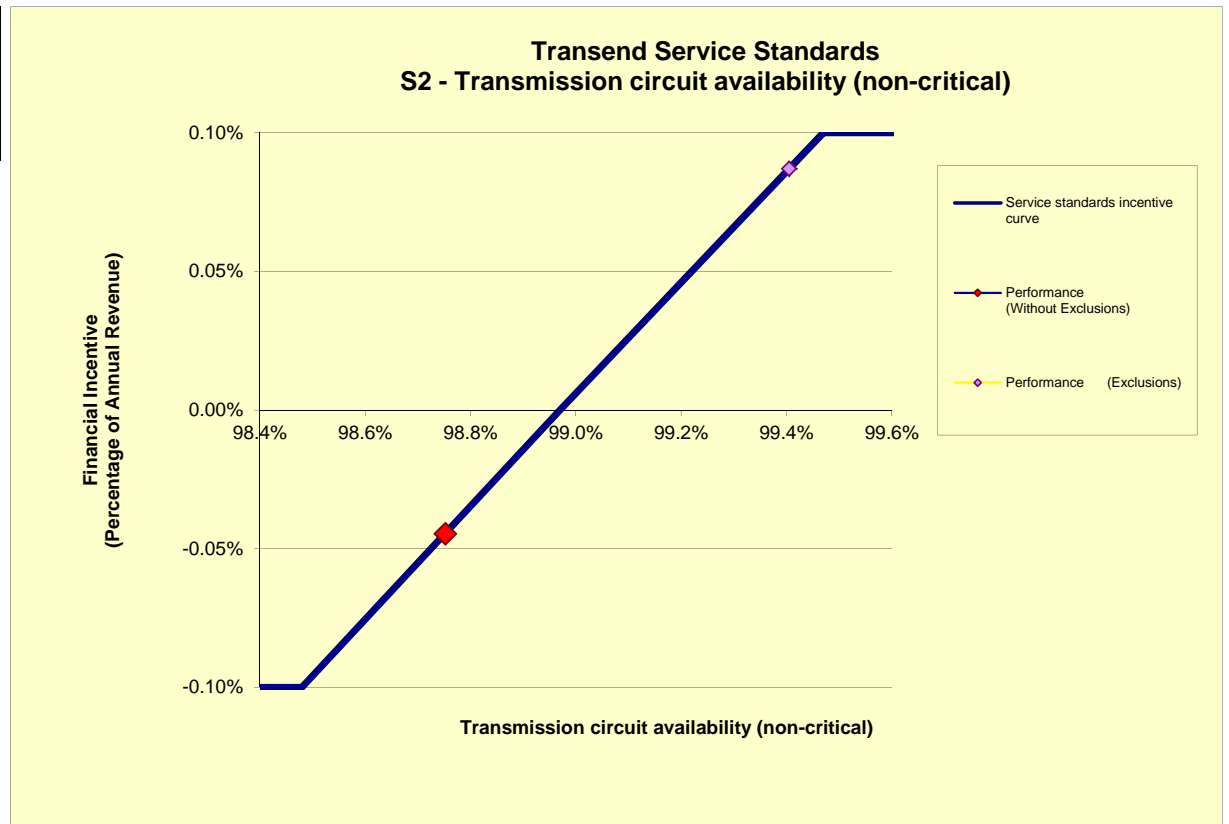
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Transend - S3 - Transformer availability

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Transformer availability	98.50%	98.67%	99.28%	99.90%	100.10%
Weighting	-0.15%	-0.15%	0.00%	0.15%	0.15%

Performance Formulae	Formulae				Conditions				S- Calc 1	S- Calc 2			
Performance	=	-0.001500			When:	Availability	<	98.67%	-0.001500	-0.001500			
	=	0.245902	x	Availability	+	-0.244131	98.67%	≤	Availability	≤	99.28%	0.000538	0.000538
	=	0.241935	x	Availability	+	-0.240194	99.28%	≤	Availability	≤	99.90%	0.000529	0.000530
	=	0.001500					99.90%	<	Availability			0.001500	0.001500

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Transformer availability	=	99.498808%	99.498956%
S-Factor	=	0.052937%	0.052973%

NOTE:

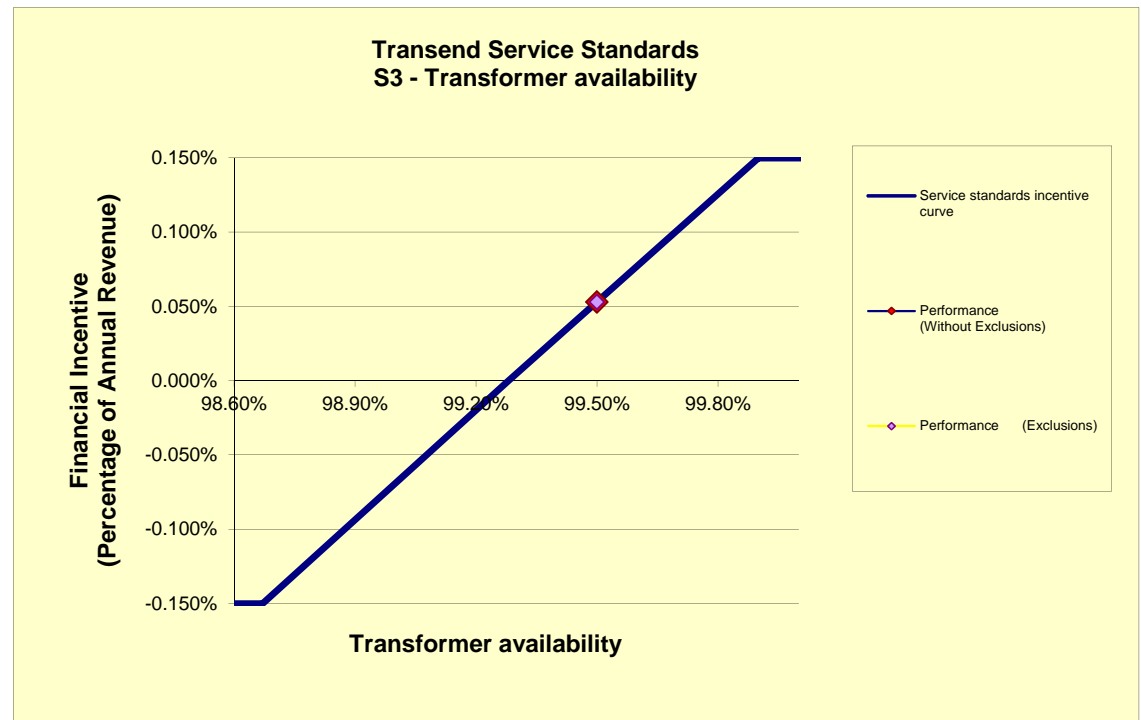
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Transend - S4 - Frequency of loss of supply events (Events > 0.1 system minutes)

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Frequency of loss of supply events (Events > 0.1 system minutes)	23	21	15	9	-
Weighting	-0.20%	-0.200%	0.00%	0.200%	0.20%

Performance Formulae	Formulae				Conditions	S- Calc 1	S- Calc 2	
Performance	=	-0.002000			21 < No. of events	-0.002000	-0.002000	
	=	-0.000333	x	No. of events	+ 0.005000	15 ≤ No. of events ≤ 21	0.001333	0.001667
	=	-0.000333	x	No. of events	+ 0.005000	9 ≤ No. of events ≤ 15	0.001333	0.001667
	=	0.002000				No. of events < 9	0.002000	0.002000

Frequency of loss of supply events (Events > 0.1 system minutes)	=	Performance (Without Exclusions)	Performance (Exclusions)
Frequency of loss of supply events (Events > 0.1 system minutes)	=	11	10
S-Factor	=	0.133333%	0.166667%

NOTE:

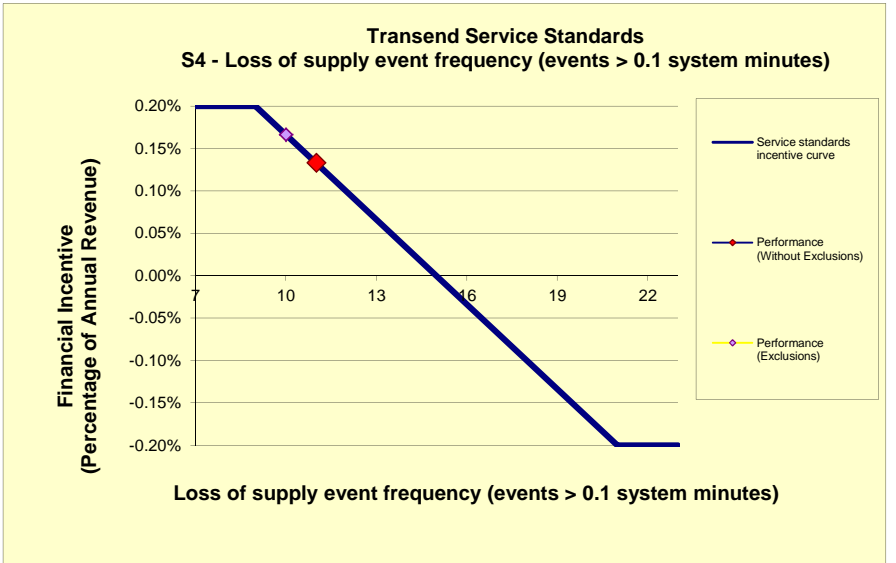
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Orange cells show the TNSP's performance outcomes with events excluded from performance data



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

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Frequency of loss of supply events (Events > 1.0 system minutes)	6	4	2	0	0
Weighting	-0.35%	-0.350%	0.00%	0.350%	0.35%

Performance Formulae	Formulae					Conditions	S- Calc 1	S- Calc 2
Performance	=	-0.003500				4 < No. of events	-0.003500	-0.003500
	=	-0.001750	x	No. of events	+	2 ≤ No. of events ≤ 4	0.001750	0.001750
	=	-0.001750	x	No. of events	+	0 ≤ No. of events ≤ 2	0.001750	0.001750
	=	0.003500				No. of events = 0	0.003500	0.003500

Frequency of loss of supply events (Events > 1.0 system minutes)	=	Performance (Without Exclusions)	Performance (Exclusions)
Frequency of loss of supply events (Events > 1.0 system minutes)	=	1	1
S-Factor		0.175000%	0.175000%

NOTE:

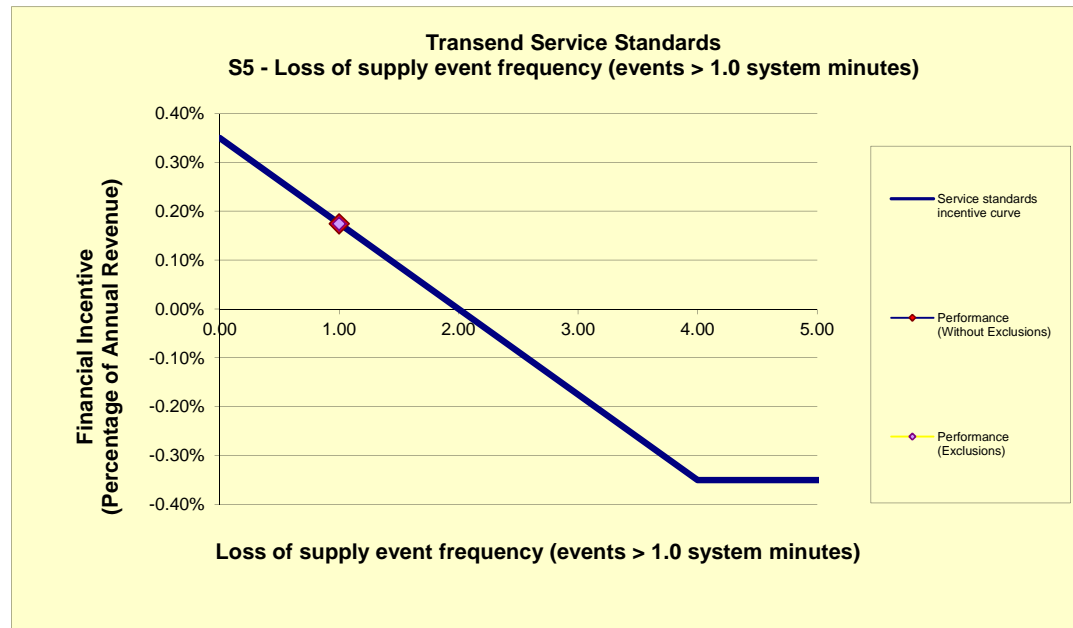
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Orange cells show the TNSP's performance outcomes with events excluded from performance data



Transend - S6 - Average outage duration - transmission lines (no revenue attached)

Performance Targets	Graph start	Collar	Target	Cap	Graph end
tage duration - transmission lines (no revenu	729	529	326	124	-
Weighting	0.00%	0.00%	0.00%	0.00%	0.00%

Performance Formulae	Formulae						Conditions		S- Calc 1	S- Calc 2
Performance	=	0.000000				529	<	Duration	0.000000	0.000000
	=	0.000000	x	Duration	+	0.000000		326 ≤ Duration ≤ 529	0.000000	0.000000
	=	0.000000	x	Duration	+	0.000000		124 ≤ Duration ≤ 326	0.000000	0.000000
	=	0.000000						Duration < 124	0.000000	0.000000

Average outage duration - transmission lines (no revenue attached)	=	Performance (Without Exclusions)	Performance (Exclusions)
tage duration - transmission lines (no revenu	=	313.893617	266.285714
S-Factor		0.000000%	0.000000%

NOTE:

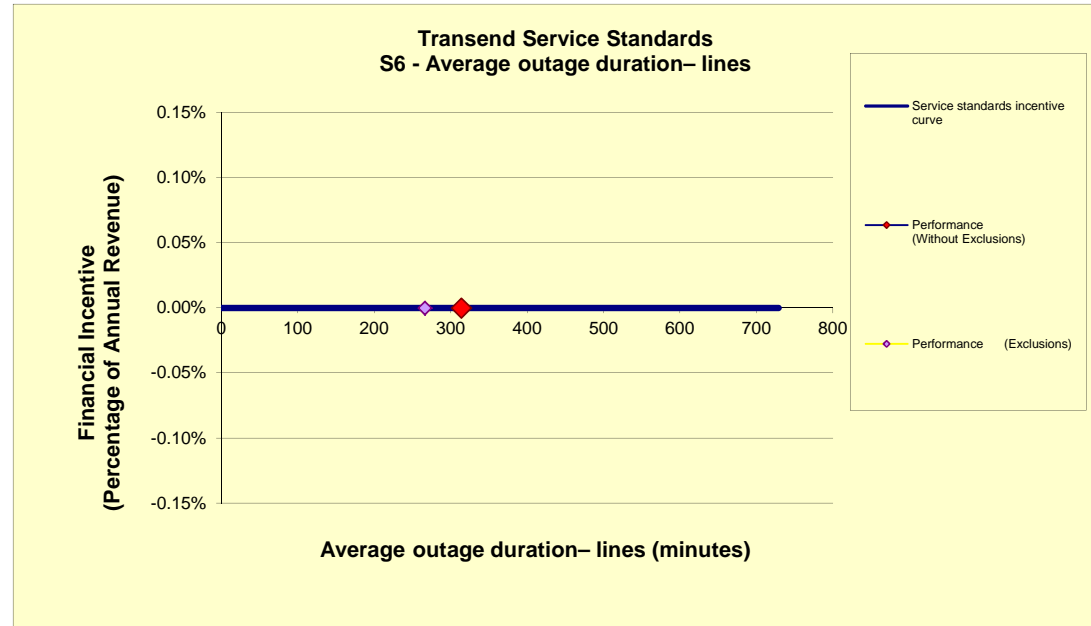
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Transend - S7 - Average outage duration - transformers (no revenue attached)

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Average outage duration - transformers (no revenue attached)	1,628	1,428	712	354	-
Weighting	0.00%	0.000%	0.00%	0.000%	0.00%

Performance Formulae	Formulae					Conditions	S- Calc 1	S- Calc 2	
Performance	=	0.000000				1428.00 < Duration	0.000000	0.000000	
	=	0.000000	x	Duration	+	0.000000	712.00 ≤ Duration ≤ 1428.00	0.000000	0.000000
	=	0.000000	x	Duration	+	0.000000	354.00 ≤ Duration ≤ 712.00	0.000000	0.000000
	=	0.000000					Duration < 354.00	0.000000	0.000000

Average outage duration - transformers (no revenue attached)	=	Performance (Without Exclusions)	Performance (Exclusions)
Average outage duration - transformers (no revenue attached)	=	215.681818	221.904762
S-Factor	=	0.000000%	0.000000%

NOTE:

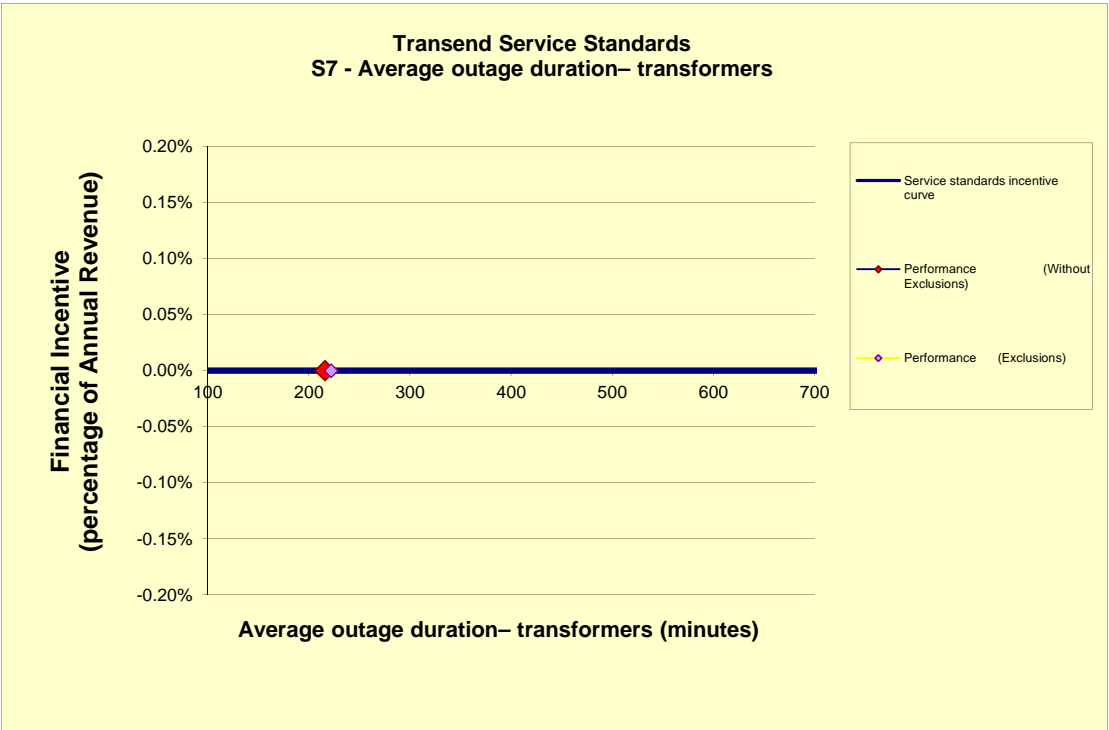
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Orange cells show the TNSP's performance outcomes with events excluded from performance data



Transend - Revenue Calculation

<i>Revenue cap information</i>	
Base year allowed revenue	\$177,210,840
Base year	2009-10
X-factor	-5.53%
Commencement of regulatory period	1-Jul-09

<i>Annual revenue adjusted for CPI</i>	Mar-09	Mar-10	Mar-11	Mar-12	Mar-13	Mar-14
CPI (old base)	166.2	171.0	176.7	179.5	-	-
CPI (new base)	92.5	95.2	98.3	99.9	102.4	-

Nominal annual revenue	2009-10	2010-11	2011-12	2012-13	2013-14
Allowed Revenue	\$177,210,840	\$192,402,817	\$209,801,175	\$224,901,250	\$243,266,546

<i>Calendar year revenue</i>	2009	2010	2011	2012	2013	2014
Revenue	\$88,605,420	\$184,806,828	\$201,101,996	\$217,351,212	\$234,083,898	

NOTE:

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

Grey cells show calendar year revenue

Green cells are for formula

Transend - Performance outcomes

Revenue calendar year **\$234,083,898**

S	Performance parameter	Target	Performance without exclusions			Performance with exclusions			Impact of exclusions
			Performance	S-Factor	Final Incentive	Performance	S-Factor	Final Incentive	
S1	Transmission circuit availability (critical)	99.13%	99.336504%	0.066614%	\$155,933	99.406196%	0.089095%	\$208,558	0.022481%
S2	Transmission circuit availability (non-critical)	98.97%	98.751885%	-0.044513%	-\$104,198	99.405062%	0.087012%	\$203,682	0.131526%
S3	Transformer availability	99.28%	99.498808%	0.052937%	\$123,918	99.498956%	0.052973%	\$124,002	0.000036%
S4	Frequency of loss of supply events (Events > 0.1 system minutes)	15	11	0.133333%	\$312,112	10	0.166667%	\$390,140	0.033333%
S5	Frequency of loss of supply events (Events > 1.0 system minutes)	2	1	0.175000%	\$409,647	1	0.175000%	\$409,647	0.000000%
S6	Average outage duration - transmission lines (no revenue attached)	326	314	0.000000%	\$0	266	0.000000%	\$0	0.000000%
S7	Average outage duration - transformers (no revenue attached)	712	216	0.000000%	\$0	222	0.000000%	\$0	0.000000%
TOTALS				0.383372%	\$897,411		0.570748%	\$1,336,028	0.187376%

NOTE:

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

Grey cell shows relevant calendar year revenue

Green cells show performance measure targets

Pink cells show performance, s-factor results and financial incentive without exclusions

Orange cells show performance, s-factor results and financial incentive with exclusions

Aggregate outcome	
S-factor	0.570748%
Financial Incentive	\$1,336,028
Financial year affected by financial incentive	2014/15

Transend - Defined exclusions

Parameter 1 - Transmission circuit availability (critical)			
No.	Defined exclusions	Further description of exclusion	Reference
1.1	Unregulated transmission assets	Outages on assets that are not providing prescribed transmission services.	Appendix F Transmission Determinaiton Final Decision
1.2	Dedicated connection assets	Dedicated connection assets that supply a customer who has negotiated a higher (or lower) level of service required by the NER, where that customer has agreed to the cost (or discount) for that higher (or lower) level of service.	Appendix F Transmission Determinaiton Final Decision
1.3	Third party outage	Circuit outages caused by a fault or other event on a third party system e.g. intertrip signal, generator outage (including coincident outages), customer installation (including a customer request), or by direction by fire services or AEMO.	Appendix F Transmission Determinaiton Final Decision
1.4	Force majeure		Appendix F Transmission Determinaiton Final Decision
Parameter 2 - Transmission circuit availability (non-critical)			
No.	Defined exclusions	Further description of exclusion	Reference
2.1	Unregulated transmission assets	Outages on assets that are not providing prescribed transmission services.	Appendix F Transmission Determinaiton Final Decision
2.2	Dedicated connection assets	Dedicated connection assets that supply a customer who has negotiated a higher (or lower) level of service required by the NER, where that customer has agreed to the cost (or discount) for that higher (or lower) level of service.	Appendix F Transmission Determinaiton Final Decision
2.3	Third party outage	Circuit outages caused by a fault or other event on a third party system e.g. intertrip signal, generator outage (including coincident outages), customer installation (including a customer request), or by direction by fire services or AEMO.	Appendix F Transmission Determinaiton Final Decision
2.4	Force majeure		Appendix F Transmission Determinaiton Final Decision
Parameter 3 - Transformer availability			
No.	Defined exclusions	Further description of exclusion	Reference
3.1	Unregulated transmission assets	Outages on assets that are not providing prescribed transmission services.	Appendix F Transmission Determinaiton Final Decision
3.2	Dedicated connection assets	Dedicated connection assets that supply a customer who has negotiated a higher (or lower) level of service required by the NER, where that customer has agreed to the cost (or discount) for that higher (or lower) level of service.	Appendix F Transmission Determinaiton Final Decision
3.3	Third party outage	Circuit outages caused by a fault or other event on a third party system e.g. intertrip signal, generator outage (including coincident outages), customer installation (including a customer request), or by direction by fire services or AEMO.	Appendix F Transmission Determinaiton Final Decision
3.4	Force majeure		Appendix F Transmission Determinaiton Final Decision
Parameter 4 - Frequency of loss of supply event (>0.1 minute)			
No.	Defined exclusions	Further description of exclusion	Reference
4.1	Unregulated transmission assets	Outages on assets that are not providing prescribed transmission services.	Appendix F Transmission Determinaiton Final Decision
4.2	Dedicated connection assets	Dedicated connection assets that supply a customer who has negotiated a higher (or lower) level of service required by the NER, where that customer has agreed to the cost (or discount) for that higher (or lower) level of service.	Appendix F Transmission Determinaiton Final Decision
4.3	Third party outage	Circuit outages caused by a fault or other event on a third party system e.g. intertrip signal, generator outage (including coincident outages), customer installation (including a customer request), or by direction by fire services or AEMO.	Appendix F Transmission Determinaiton Final Decision
4.4	Planned outages		Appendix F Transmission Determinaiton Final Decision
4.5	Force majeure		Appendix F Transmission Determinaiton Final Decision

Parameter 5 - Frequency of loss of supply event (>1.0 minute)		
Defined exclusions	Further description of exclusion	Reference
5.1 Unregulated transmission assets	Outages on assets that are not providing prescribed transmission services.	Appendix F Transmission Determinaiton Final Decision
5.2 Dedicated connection assets	Dedicated connection assets that supply a customer who has negotiated a higher (or lower) level of service required by the NER, where that customer has agreed to the cost (or discount) for that higher (or lower) level of service.	Appendix F Transmission Determinaiton Final Decision
5.3 Third party outage	Circuit outages caused by a fault or other event on a third party system e.g. intertrip signal, generator outage (including coincident outages), customer installation (including a customer request), or by direction by fire services or AEMO.	Appendix F Transmission Determinaiton Final Decision
5.4 Planned outages		Appendix F Transmission Determinaiton Final Decision
5.5 Force majeure		Appendix F Transmission Determinaiton Final Decision
Parameter 6 - Average outage duration - transmission lines		
Defined exclusions	Further description of exclusion	Reference
6.1 Successful reclose events (less than on emintue duration)		Appendix F Transmission Determinaiton Final Decision
6.2 Unregulated transmission assets	Outages on assets that are not providing prescribed transmission services.	Appendix F Transmission Determinaiton Final Decision
6.3 Dedicated connection assets	Dedicated connection assets that supply a customer who has negotiated a higher (or lower) level of service required by the NER, where that customer has agreed to the cost (or discount) for that higher (or lower) level of service.	Appendix F Transmission Determinaiton Final Decision
6.4 Third party outage	Circuit outages caused by a fault or other event on a third party system e.g. intertrip signal, generator outage (including coincident outages), customer installation (including a customer request), or by direction by fire services or AEMO.	Appendix F Transmission Determinaiton Final Decision
6.5 Planned outages		Appendix F Transmission Determinaiton Final Decision
6.6 Force majeure		Appendix F Transmission Determinaiton Final Decision
6.7 For all outages the duraiton is capped at seven days		Appendix F Transmission Determinaiton Final Decision
Parameter 7 - Average outage duration - transformers		
Defined exclusions	Further description of exclusion	Reference
7.1 Successful reclose events (less than on emintue duration)		Appendix F Transmission Determinaiton Final Decision
7.2 Unregulated transmission assets	Outages on assets that are not providing prescribed transmission services.	Appendix F Transmission Determinaiton Final Decision
7.3 Dedicated connection assets	Dedicated connection assets that supply a customer who has negotiated a higher (or lower) level of service required by the NER, where that customer has agreed to the cost (or discount) for that higher (or lower) level of service.	Appendix F Transmission Determinaiton Final Decision
7.4 Third party outage	Circuit outages caused by a fault or other event on a third party system e.g. intertrip signal, generator outage (including coincident outages), customer installation (including a customer request), or by direction by fire services or AEMO.	Appendix F Transmission Determinaiton Final Decision
7.5 Planned outages		Appendix F Transmission Determinaiton Final Decision
7.6 Force majeure		Appendix F Transmission Determinaiton Final Decision
7.7 For all outages the duraiton is capped at seven days		Appendix F Transmission Determinaiton Final Decision

Service Target Performance Incentive Scheme - Definition of Force Majeure

Definition of Force Majeure	Reference
<p>For the purpose of applying the <i>service target performance incentive scheme</i>, force majeure events means any event, act or circumstance or combination of events, acts and circumstances which (despite the observance of good electricity industry practice) is beyond the reasonable control of the part affected by any such event, which may include, without limitation, the following:</p> <ul style="list-style-type: none">- fire, lightning, explosion, flood, earthquake, storm, cyclone, action of the elements, riots, civil commotion, malicious damage, natural disaster, sabotage, act of a public enemy, act of God, war (declared or undeclared), blockage, revolution, radioactive contamination, toxic or dangerous chemical contamination or force of nature.- action or inaction by a court, government agency (including denial, refusal or failure to grant any authorisation, despite timely best endeavour to obtain same)- strikes, lockouts, industrial and/or labour disputes and/or difficulties, work bans, blockades, picketing- acts or omissions (other than failure to pay money) of a party other than the TNSP, which party either is connected to or uses the high voltage grid or is directly connected to or uses a system for the supply of electricity that in turn is connected to the high voltage grid - where those acts or omissions affect the ability of the TNSP to perform its obligation under the service standard by virtue of that direct or indirect connection to or use of the high voltage grid <p>In determining what force majeure events should be excluded the AER will consider the following:</p> <ul style="list-style-type: none">- was the event unforeseeable and its impact extraordinary, uncontrollable and not manageable?- does the event occur frequently? If so, how did the impact of the particular event differ?- could the TNSP, in practice, have prevented the impact (not necessarily the event itself)?- could the TNSP have effectively reduced the impact of the event by adopting better practices?	<p>Service Target Performance Incentive Scheme (January 2007) p. 31</p>