

## TEMPLATE EXPLANATION



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

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

Purple worksheets '**S1**' to '**S4**' 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 workbook only applies to the first six months of the 2009 calendar year)

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

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

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

## TRANSEND - SERVICE STANDARDS PERFORMANCE Jan-Jun 2009

<b>PERFORMANCE PARAMETERS</b>	<b>S</b>	<i>Performance (Without exclusions)</i>	<i>Performance (With exclusions)</i>
<b>Transmission circuit availability</b>	S1	98.560000%	99.630000%
<b>Transformer availability</b>	S2	99.170000%	99.170000%
<b>Frequency of loss of supply events (Events &gt; 0.1 system minutes)</b>	S3	3.00	3.00
<b>Frequency of loss of supply events (Events &gt; 2.0 system minutes)</b>	S4	0.00	0.00

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

### NOTES:

Pink cells- Input performance without exclusions from performance data

Orange cells- Input performance with exclusions from performance data

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

Performance should be measured on a calendar year basis

CIRCUIT AVAILABILITY		Event proposed for exclusion	Description of the event and its impact on the network and performance	Cause of the event	Start date	Start time	End date	End time	Circuits affected	Reactive plant or transformer	Quantitative impact	Reasons for exclusion request		Further references
Name of any circuit availability measures applying to Transend		Name of the event	Detail of the event. Such as: the action of any third parties, the actions of the TNSP, assets damaged or interrupted.	A description of the cause of the event	Start date and time of event		End date and time of event		Name of circuits affected	Name of any reactive plant or transformer affected	Number of hours, mins etc interrupted	Full details of the reason/s for excluding this event. Should include a reference to the defined exclusions and explain how it meets this exclusion definition (see Exclusion definition tab). Eg. Exclusion 1.2 Third party event.		A TNSP may provide further details of an exclusion event. TNSP to provide reference.
S1	Transmission circuit availability	Generator Requested outages and Generator Shared outages	Various, see OMQ Data 2009 Spreadsheet	Multiple circuit outages, see OMQ Data 2009 Spreadsheet for details.					Various		287,715 cct minutes	Defined Exclusion 1.3 Third Party Outage		For details see OMQ Data 2009 Spreadsheet. For associated customer outage times see TRIM 10/5570 (available on request).
		Major Industrial (MI) Requested outages	Third party request for circuit outage	Work on third party assets					GT-SW 110kV transmission circuit		696 cct minutes	Defined Exclusion 1.3 Third Party Outage		For details see OMQ Data 2009 Spreadsheet. For customer request see TRIM 10/5881 (available on request).
S2	Transformer availability	Generator Requested outages and Generator Shared outages	Various, see OMQ Data 2009 Spreadsheet	Multiple circuit outages, see OMQ Data 2009 Spreadsheet for details.						Various	641 cct minutes	Defined Exclusion 1.3 Third Party Outage		For details see OMQ Data 2009 Spreadsheet. For associated customer outage times see TRIM 10/5570 (available on request).
		Major Industrial (MI) Requested outages	Third party request for circuit outage	Work on third party assets						BY 22/6.6kV transformer circuit	661 cct minutes	Defined Exclusion 1.3 Third Party Outage		For details see OMQ Data 2009 Spreadsheet. Customer request by phone.

LOSS OF SUPPLY EVENT FREQUENCY		Event proposed for exclusion	Description of the event and its impact on the network and performance	Cause of the event	Start date	Start time	End date	End time	Circuits effected	Maximum system demand	Quantitative impact	Demand shed and time	Reasons for exclusion request	Further references
Name of any loss of supply measures applying to Transend		Name of the event	Detail of the event. Such as: the action of any third parties, the actions of the TNSP, assets damaged or interrupted.	A brief description of the cause of the event	Start date and time of event		End date and time of event		Name of circuits or plant affected	The loss of supply (system minutes) that resulted from the event.	Number of hours, mins etc interrupted	The (MW) demand shed and the duration it was shed for.	Full details of the reason/s for excluding this event. Should include a reference to the defined exclusions and explain how it meets this exclusion definition (see Exclusion definition tab). Eg. Exclusion 3.2 Third party event	A TNSP may provide further details of an exclusion event. TNSP to provide reference.
S3	Frequency of loss of supply (events > 0.1 system minutes)													
S4	Frequency of loss of supply events (events > 1.0 system minutes)													

**NOTES:**

This worksheet should include a list all events that are proposed for exclusion.

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

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

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

Green cells - input description impact

## TRANSEND- S1 - Transmission circuit availability

Performance Targets	Graph start	Collar	Target	Knee Bend	Cap	Graph end
Transmission circuit availability	98.75%	98.90%	99.10%	99.20%	99.40%	99.50%
Weighting	-0.25%	-0.25%	0.00%	0.00%	0.25%	0.25%

Performance Formulae	Formulae					Conditions	S- Calc 1	S- Calc 2
Performance	=	-0.002500				When: Availability < 98.90%	-0.002500	-0.002500
	=	1.250000	x	Availability	+	98.90% ≤ Availability ≤ 99.10%	-0.006750	0.006625
	=	0.000000				99.10% ≤ Availability ≤ 99.20%	0.000000	0.000000
	=	1.250000	x	Availability	+	99.20% ≤ Availability ≤ 99.40%	-0.008000	0.005375
	=	0.002500				99.40% < Availability	0.002500	0.002500

Performance Outcomes		Performance (Without Exclusions)	Performance (With Exclusions)
Transmission circuit availability	=	98.560000%	99.630000%
S-Factor Result	=	-0.250000%	0.250000%

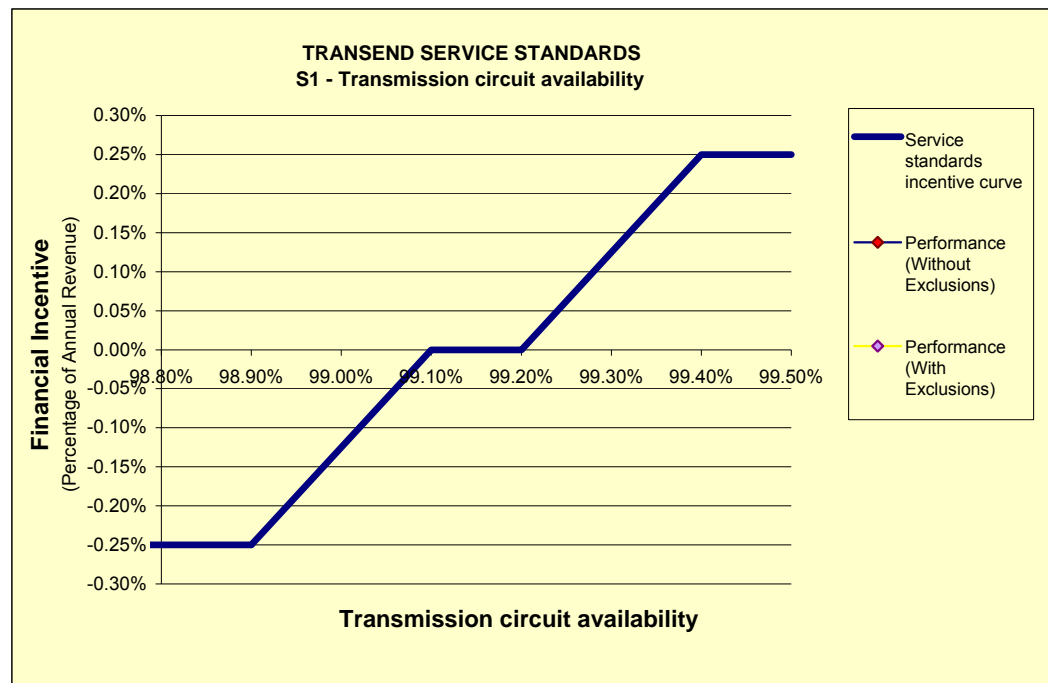
**NOTE: This sheet will automatically update based on data in input sheets.**

Blue cells show Transend's performance targets and weightings

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

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

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



## TRANSEND- S2 - Transformer availability

Performance Targets	Graph start	Collar	Target	Knee Bend	Cap	Graph end
Transformer availability	98.60%	98.80%	99.00%	99.10%	99.50%	99.80%
Weighting	-0.15%	-0.15%	0.00%	0.00%	0.15%	0.15%

Performance Formulae	Formulae					Conditions	S- Calc 1	S- Calc 2
Performance	=	-0.0015				When: Availability < 98.80%	-0.001500	-0.001500
	=	0.7500	x	Availability	+	98.80% ≤ Availability ≤ 99.00%	0.001275	0.001275
	=	0.0000				99.00% ≤ Availability ≤ 99.10%	0.000000	0.000000
	=	0.3750	x	Availability	+	99.10% ≤ Availability ≤ 99.50%	0.000263	0.000263
	=	0.0015				99.50% < Availability	0.001500	0.001500

Performance Outcomes		Performance (Without Exclusions)	Performance (With Exclusions)
Transformer availability	=	99.170000%	99.170000%
S-Factor Result	=	0.026250%	0.026250%

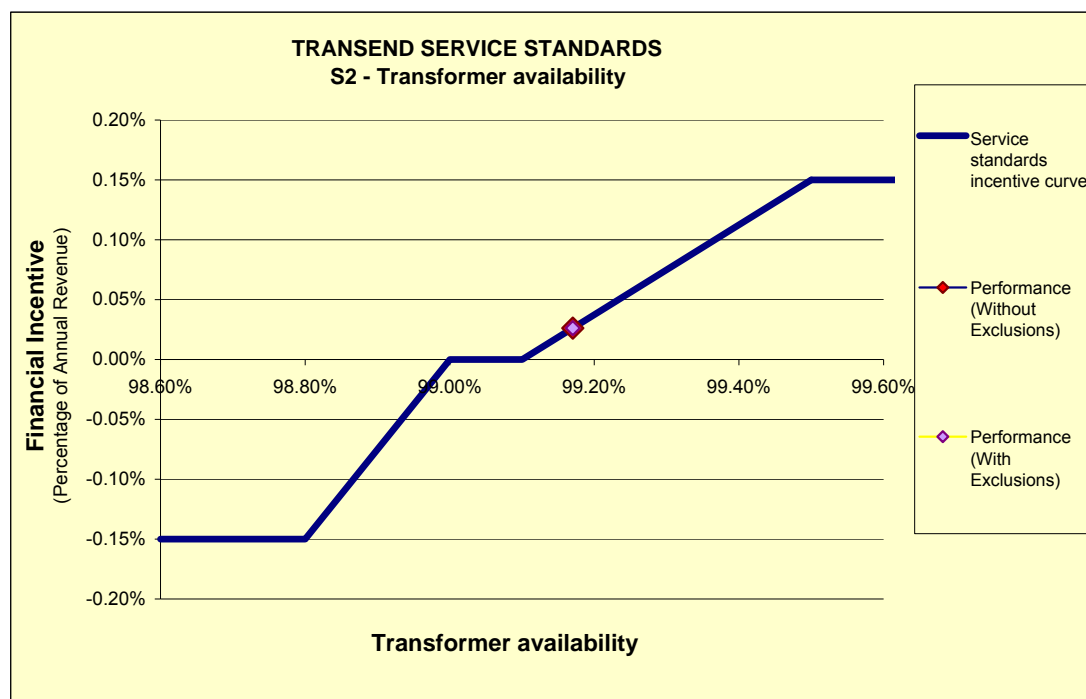
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Orange cells show Transend's performance outcomes with events excluded from performance data



# TRANSEND - S3 - Frequency of loss of supply events (>0.1 system minutes)

Performance Targets	Graph start	Collar	Target	Knee Bend	Cap	Graph end
Frequency of loss of supply events (> 0.1 system minutes)	12	10	8	7	5	4
Weighting	-0.20%	-0.20%	0.00%	0.00%	0.20%	0.20%

Performance Formulae	Formulae					Conditions	S- Calc 1	S- Calc 2
Performance	=	-0.002000				10.00 < Frequency	-0.002000	-0.002000
	=	-0.001000	x	Frequency	+	0.008000 8.00 ≤ Frequency ≤ 10.00	0.005000	0.005000
	=	0.000000				7.00 ≤ Frequency ≤ 8.00	0.000000	0.000000
	=	-0.001000	x	Frequency	+	0.007000 5.00 ≤ Frequency ≤ 7.00	0.004000	0.004000
	=	0.002000				Frequency < 5.00	0.002000	0.002000

Performance Outcomes		Performance (Without Exclusions)	Performance (With Exclusions)
Frequency of loss of supply events (> 0.1 system minutes)	=	3.000000	3.000000
S-Factor Result	=	0.200000%	0.200000%

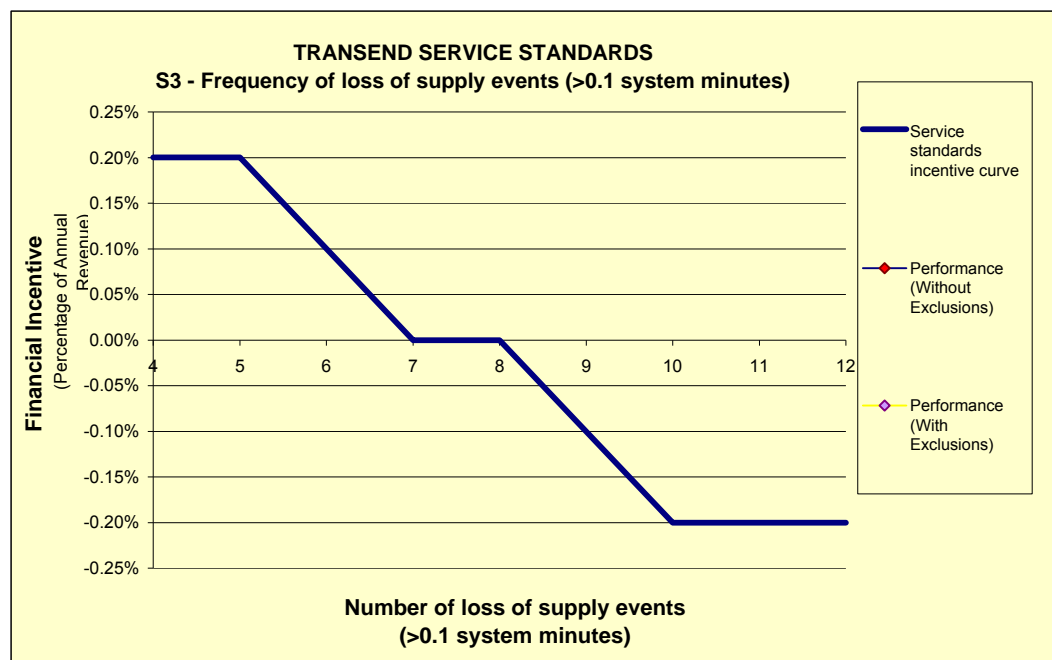
**NOTE: This sheet will automatically update based on data in input sheets.**

Blue cells show Transend's performance targets and weightings

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

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



# TRANSEND - S4 - Frequency of loss of supply events (>2.0 system minutes)

Performance Targets	Graph start	Collar	Target	Knee Bend	Cap	Graph end
Frequency of loss of supply events (>2.0 system minutes)	3	3	2	1	0	0
Weighting	-0.40%	-0.40%	0.00%	0.00%	0.40%	0.40%

Performance Formulae	Formulae						Conditions	S- Calc 1	S- Calc 2
Performance	=	-0.004000					3.00 < Frequency	-0.004000	-0.004000
	=	-0.004000	x	Frequency	+	0.008000	2.00 ≤ Frequency ≤ 3.00	0.008000	0.008000
	=	0.000000					1.00 ≤ Frequency ≤ 2.00	0.000000	0.000000
	=	-0.004000	x	Frequency	+	0.004000	0.00 ≤ Frequency ≤ 1.00	0.004000	0.004000
	=	0.004000					Frequency < 0.00	0.004000	0.004000

Performance Outcomes		Performance (Without)	Performance (With)
Frequency of loss of supply events (>2.0 system minutes)	=	0.000000	0.000000
S-Factor Result	=	0.400000%	0.400000%

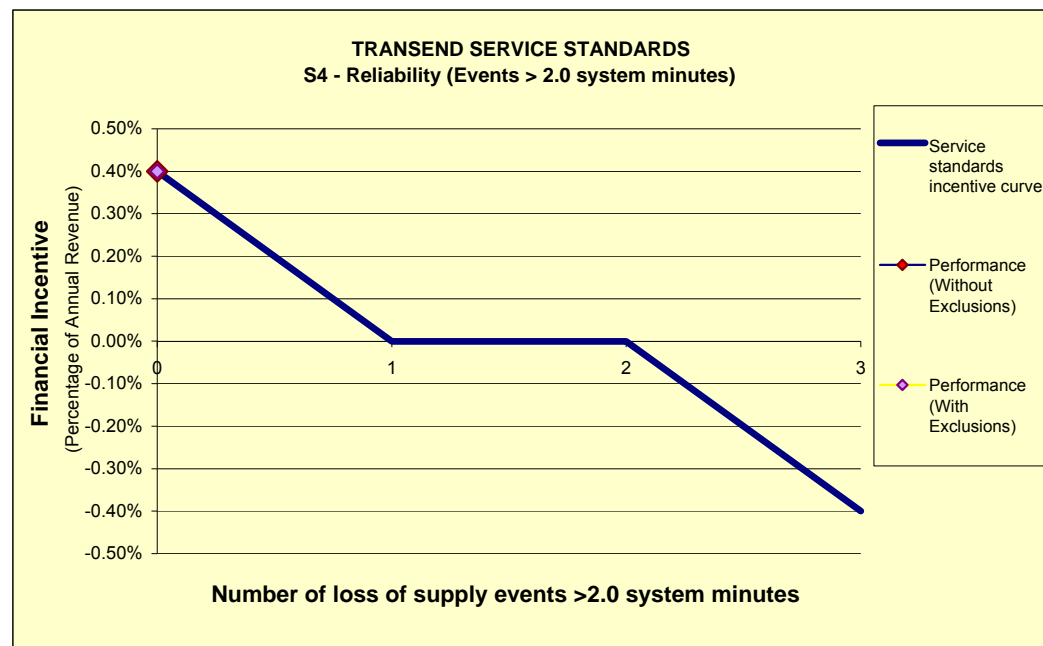
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Orange cells show Transend's performance outcomes with events excluded from performance data



## TRANSEND - Revenue Calculation

<i>Revenue cap information</i>	
Base revenue (AR) - nominal	\$100,200,709
Base year	2003-04
X-factor	-4.15821075%
Commencement of regulatory period	1-Jan-04
End of 2003-04 financial year	30-Jun-04

<i>Annual revenue adjusted for CPI</i>	Mar-03	Mar-04	Mar-05	Mar-06	Mar-07	Mar-08
CPI	141.3	144.1	147.5	151.9	155.6	162.2
	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09
Annual Revenue	\$50,100,355	\$106,435,407	\$113,476,955	\$121,721,400	\$129,871,025	\$141,009,066

<i>Calendar year revenue</i>	2004	2005	2006	2007	2008	2009
Revenue	\$103,318,058	\$109,956,181	\$117,599,178	\$125,796,213	\$135,440,046	<b>\$70,504,533</b>

### NOTES:

Grey cells show calendar year revenue

Green cells are for formula



## TRANSEND- Performance outcomes

Revenue calendar year	\$70,504,533
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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	S1	99.10%	98.560000%	-0.250000%	-\$176,261	99.630000%	0.250000%	\$176,261	0.500000%
Transformer availability	S2	99.00%	99.170000%	0.026250%	\$18,507	99.170000%	0.026250%	\$18,507	0.000000%
Frequency of loss of supply events (> 0.1 system minutes)	S3	8	3	0.200000%	\$141,009	3	0.200000%	\$141,009	0.000000%
Frequency of loss of supply events (>2.0 system minutes)	S4	2	0	0.400000%	\$282,018	0	0.400000%	\$282,018	0.000000%
<b>TOTALS</b>				0.376250%	\$265,273		0.876250%	\$617,796	0.500000%

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

Grey cell shows relevant calendar year revenue

Green cells show performance parameter targets

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

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

Blue cells show the impact of exclusions on revenue

Aggregate outcome	
S-factor	0.876250%
Bonus (penalty)	\$617,796
Financial year to affect revenue	2010–11

## TRANSEND - Defined exclusions

Measure 1- Transmission circuit availability			
No.	Defined exclusions	Further description of exclusion	Reference
1.1	Unregulated transmission assets	Exclude dedicated connection assets that supply a customer who has negotiated a higher (or lower) level of service required by the Rules, where a customer has agreed to the cost (or discount) for that higher (or lower) level of service. Any outages caused by a 3rd party such as intertrip signals, generator outage, customer installation, customer request or NEMMCO direction.	Appendix G Revenue Cap Decision
1.2	Dedicated connection assets		Appendix G Revenue Cap Decision
1.3	Third party outage		Appendix G Revenue Cap Decision
1.4	Force majeure		Appendix G Revenue Cap Decision
Measure 2- Transformer availability			
No.	Defined exclusions	Further description of exclusion	Reference
2.1	Unregulated transmission assets	Exclude dedicated connection assets that supply a customer who has negotiated a higher (or lower) level of service required by the Rules, where a customer has agreed to the cost (or discount) for that higher (or lower) level of service. Any outages caused by a 3rd party such as intertrip signals, generator outage, customer installation, customer request or NEMMCO direction.	Appendix G Revenue Cap Decision
2.2	Dedicated connection assets		Appendix G Revenue Cap Decision
2.3	Third party outage		Appendix G Revenue Cap Decision
2.4	Force majeure		Appendix G Revenue Cap Decision
Measure 3- Loss of supply frequency (>0.1 minute)			
No.	Defined exclusions	Further description of exclusion	Reference
3.1	Unregulated transmission assets	Exclude dedicated connection assets that supply a customer who has negotiated a higher (or lower) level of service required by the Rules, where a customer has agreed to the cost (or discount) for that higher (or lower) level of service. Any outages caused by a 3rd party such as intertrip signals, generator outage, customer installation, customer request or NEMMCO direction.	Appendix G Revenue Cap Decision
3.2	Dedicated connection assets		Appendix G Revenue Cap Decision
3.3	Third party outage		Appendix G Revenue Cap Decision
3.4	Planned outages		Appendix G Revenue Cap Decision
3.5	Force majeure		Appendix G Revenue Cap Decision
Measure 4- Loss of supply frequency (>2.0 minute)			
No.	Defined exclusions	Further description of exclusion	Reference
4.1	Unregulated transmission assets	Exclude dedicated connection assets that supply a customer who has negotiated a higher (or lower) level of service required by the Rules, where a customer has agreed to the cost (or discount) for that higher (or lower) level of service. Any outages caused by a 3rd party such as intertrip signals, generator outage, customer installation, customer request or NEMMCO direction.	Appendix G Revenue Cap Decision
4.2	Dedicated connection assets		Appendix G Revenue Cap Decision
4.3	Third party outage		Appendix G Revenue Cap Decision
4.4	Planned outages		Appendix G Revenue Cap Decision
4.5	Force majeure		Appendix G Revenue Cap Decision