



## TEMPLATE EXPLANATION

These templates form part of the information requirements of the AER as part of its annual compliance review against the service standards in SP AusNet's revenue cap decision.

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

Purple worksheets **'S1' to 'S7'** are the s-factor results based on the performance inputs from yellow tab 'Inputs - Performance' sheet.

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

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.'

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

SP AUSNET - SERVICE STANDARDS PERFORMANCE 2006

<b>PERFORMANCE MEASURE</b>	<b>S</b>	<b>2006 Performance (Without exclusions)</b>	<b>2006 Performance (With exclusions)</b>
<b>Total circuit availability</b>	S1	99.237%	99.251%
<b>Peak critical availability</b>	S2	99.873%	99.878%
<b>Peak non-critical availability</b>	S3	99.589%	99.786%
<b>Intermediate critical availability</b>	S4	99.541%	99.541%
<b>Intermediated non-critical availability</b>	S5	98.595%	98.972%
<b>Average outage duration– lines (hours)</b>	S6	30.926	33.379
<b>Average outage duration– transformers (hours)</b>	S7	7.184	7.692

**NOTES:**

Performance should be based on 2006 calendar year data.

Pink cells- Input performance without exclusions from performance data

Orange cells- Input performance with exclusions from performance data

Green cell (C12) input date that template data was entered. Enter date of any revisions from original version (C13).

<b>Date prepared:</b>	31 January 2007
<b>Revision date:</b>	



SP AUSNET- S1 - Total circuit availability

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Total circuit availability	98.30%	98.65%	99.20%	99.50%	100.00%
Measure Weighting	-0.10%	-0.10%	0.00%	0.10%	0.10%

Performance Formulae	Formulae					Conditions	S- Calc 1	S- Calc 2
Performance	=	-0.001000				Availability < 98.65%	-0.001000	-0.001000
	=	0.181818	x	Availability	+ -0.180364	98.65% ≤ Availability ≤ 99.20%	0.000066	0.000092
	=	0.333333	x	Availability	+ -0.330667	99.20% ≤ Availability ≤ 99.50%	0.000122	0.000169
	=	0.001000				99.50% < Availability	0.001000	0.001000

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Total circuit availability	=	99.236532%	99.250669%
S-Factor Result	=	0.012177%	0.016890%

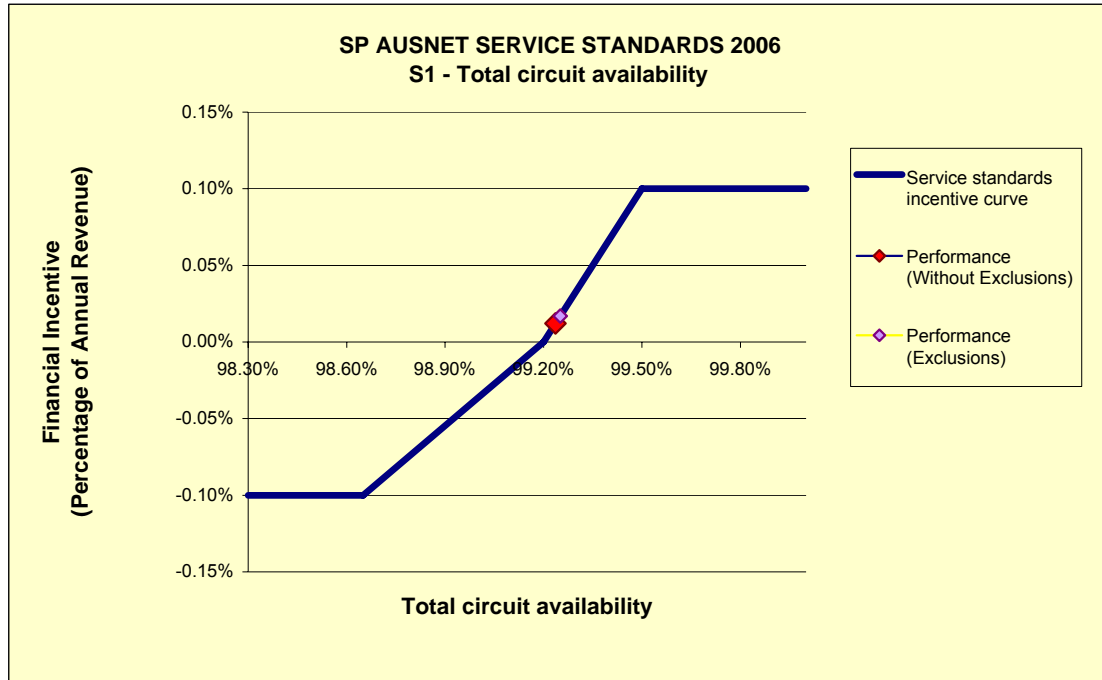
**NOTES:**

Blue cells show SP AusNet's performance targets (C4:E4) and measure weightings (C5:E5) [See Attachment E of revenue cap]

Yellow/Green cells (Rows 8:11) show SP AusNet's performance formulae and related formula conditions based on performance targets and measure weightings

Pink cells (C14, C15) show SP AusNet's performance outcomes without any events excluded from performance data

Orange cells (D14, D15) show SP AusNet's performance outcomes with events excluded from performance data



SP AUSNET - S2 - Peak critical availability

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Peak critical availability	99.30%	99.40%	99.90%	99.95%	100.00%
Measure Weighting	-0.08%	-0.0750%	0.00%	0.0750%	-0.08%

Performance Formulae	Formulae					Conditions			S- Calc 1	S- Calc 2			
Performance	=	-0.000750				When:	Availability	<	99.40%	-0.000750	-0.000750		
	=	0.150000	x	Availability	+	-0.149850	99.40%	≤	Availability	≤	99.90%	-0.000040	-0.000033
	=	1.500000	x	Availability	+	-1.498500	99.90%	≤	Availability	≤	99.95%	-0.000399	-0.000325
	=	0.000750					99.95%	<	Availability			0.000750	0.000750

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Peak critical availability	=	99.873387%	99.878312%
S-Factor	=	-0.003992%	-0.003253%

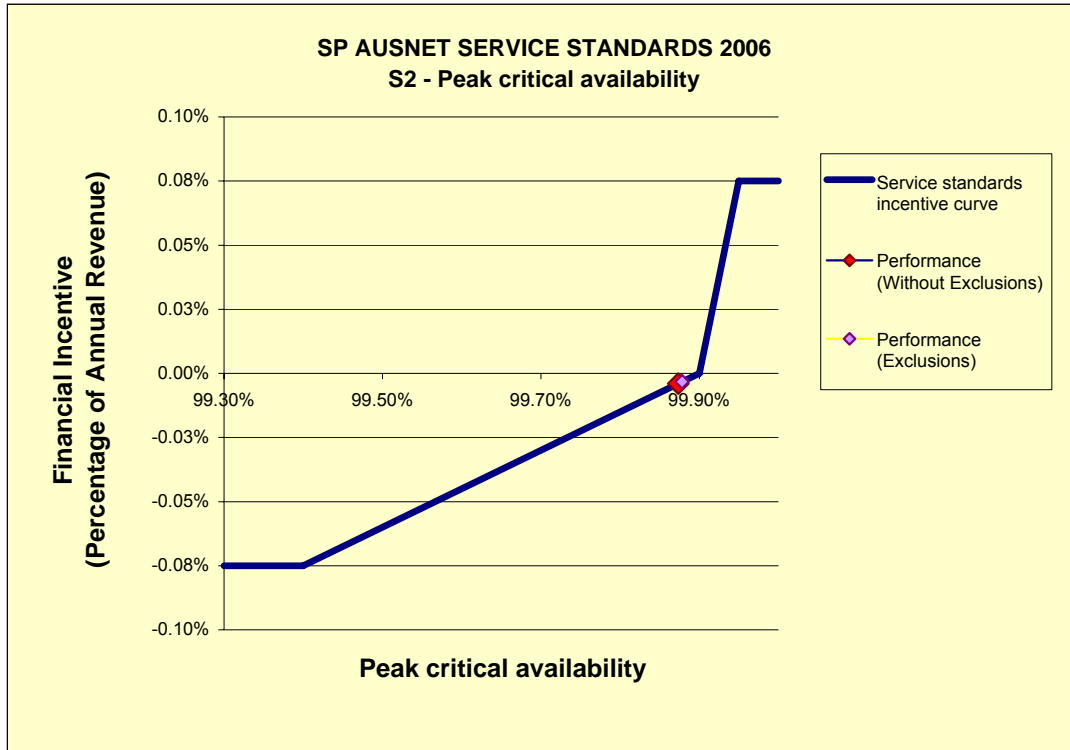
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SP AUSNET S3 - Peak non-critical availability

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Peak non-critical availability	99.30%	99.53%	99.85%	99.95%	100.00%
Measure Weighting	-0.03%	-0.0250%	0.00%	0.0250%	-0.03%

Performance Formulae	Formulae					Conditions	S- Calc 1	S- Calc 2
Performance	=	-0.000250				When: Availability < 99.53%	-0.000250	-0.000250
	=	0.078125	x	Availability	+ -0.078008	99.53% ≤ Availability ≤ 99.85%	-0.000204	-0.000050
	=	0.250000	x	Availability	+ -0.249625	99.85% ≤ Availability ≤ 99.95%	-0.000652	-0.000160
	=	0.000250				99.95% < Availability	0.000250	0.000250

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Peak non-critical availability	=	99.589396%	99.785932%
S-Factor Result	=	-0.020360%	-0.005005%

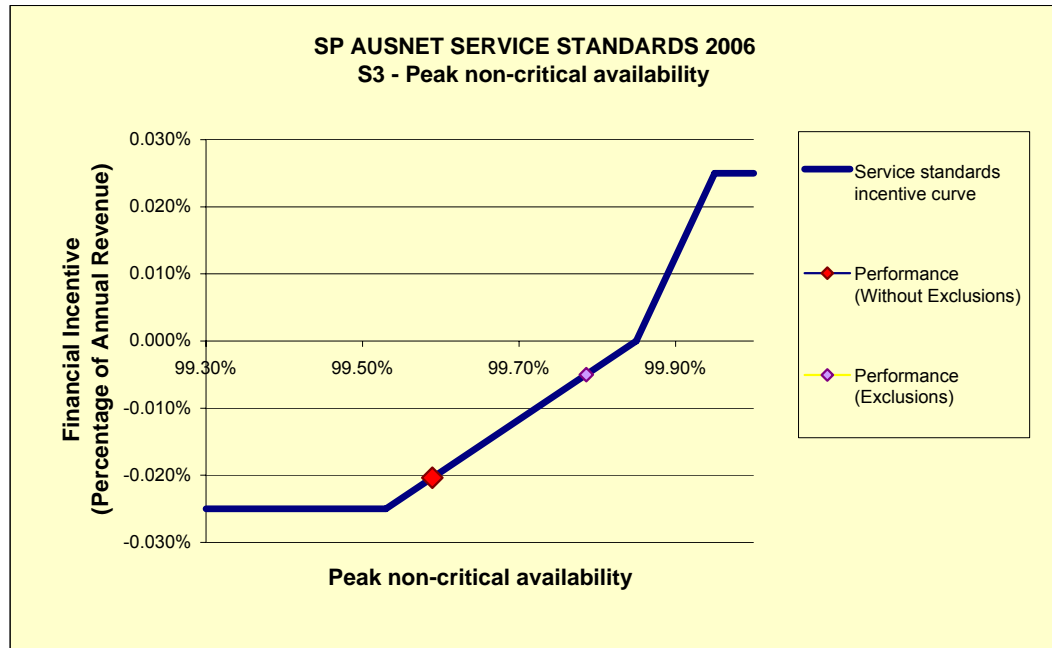
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SP AUSNET S4 - Intermediate critical availability

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Intermediate critical availability	99.30%	99.53%	99.85%	99.95%	100.00%
Measure Weighting	-0.03%	-0.0250%	0.00%	0.0250%	0.03%

Performance Formulae	Formulae					Conditions			S- Calc 1	S- Calc 2			
Performance	=	-0.000250				When:	Availability	<	99.53%	-0.000250	-0.000250		
	=	0.078125	x	Availability	+	-0.078008	99.53%	≤	Availability	≤	99.85%	-0.000241	-0.000241
	=	0.250000	x	Availability	+	-0.249625	99.85%	≤	Availability	≤	99.95%	-0.000772	-0.000772
	=	0.000250					99.95%	<	Availability			0.000250	0.000250

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Intermediate critical availability	=	99.541171%	99.541171%
S-Factor Result	=	-0.024127%	-0.024127%

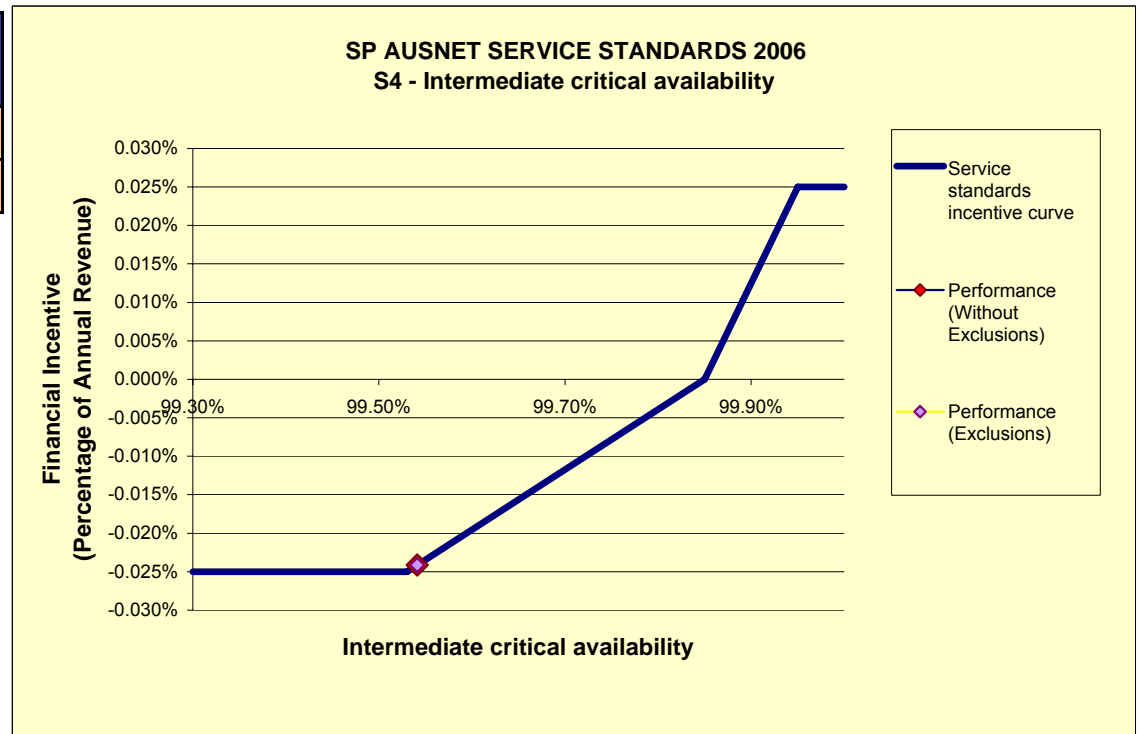
**NOTES:**

Blue cells show SP AusNet's performance targets (C4:E4) and measure weightings (C5:E5) [See Attachment E of revenue cap]

Yellow/Green cells (Rows 8:11) show SP AusNet's performance formulae and related formula conditions based on performance targets and measure weightings

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SP AUSNET S5 - Intermediate non-critical availability

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Intermediate non-critical availability	99.40%	99.50%	99.75%	99.85%	100.00%
Measure Weighting	-0.03%	-0.0250%	0.00%	0.0250%	0.03%

Performance Formulae	Formulae					Conditions	S- Calc 1	S- Calc 2
Performance	=	-0.000250				When: Availability < 99.50%	-0.000250	-0.000250
	=	0.100000	x	Availability	+	-0.099750 99.50% ≤ Availability ≤ 99.75%	-0.001155	-0.000778
	=	0.250000	x	Availability	+	-0.249375 99.75% ≤ Availability ≤ 99.85%	-0.002888	-0.001944
	=	0.000250				99.85% < Availability	0.000250	0.000250

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Intermediate non-critical availability	=	98.594933%	98.972379%
S-Factor Result	=	-0.025000%	-0.025000%

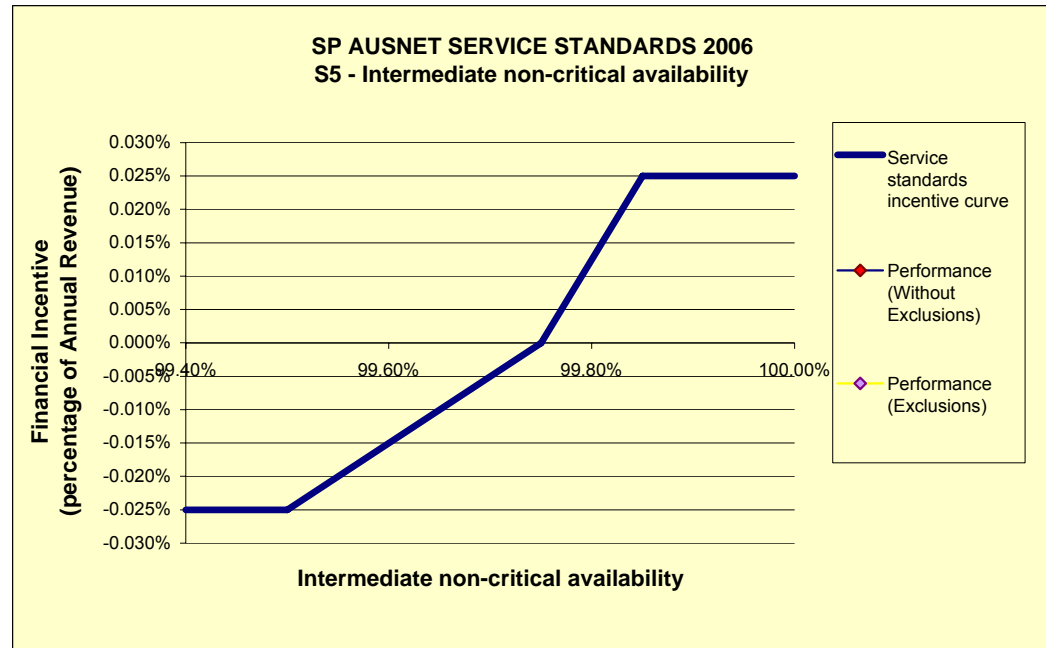
**NOTES:**

Blue cells show SP AusNet's performance targets (C4:E4) and measure weightings (C5:E5) [See Attachment E of revenue cap]

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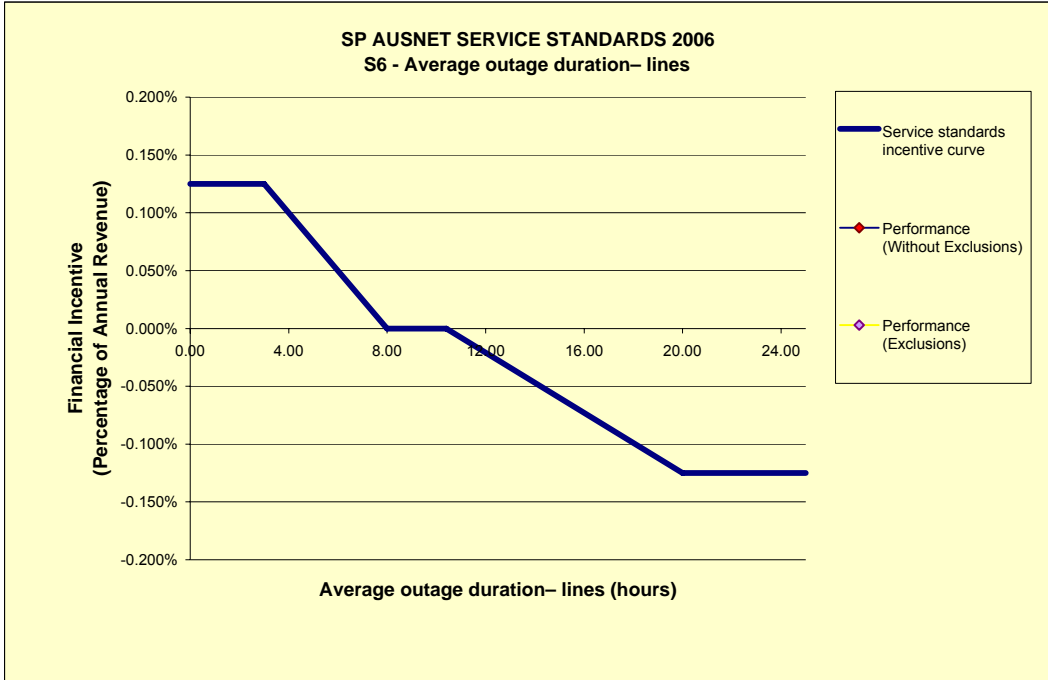
SP AUSNET S6 - Average outage duration (lines)

Performance Targets	Graph start	Collar	Knee Bend	Target	Knee Bend	Cap	Graph end
Average outage duration– lines (hours)	25.00	20.00	10.40	10.00	8.00	3.00	0.00
Measure Weighting	-0.13%	-0.125%	0.00%	0.00%	0.00%	0.125%	0.13%

Performance Formulae	Formulae						Conditions	S- Calc 1	S- Calc 2
Performance	=	-0.001250					20.00 < Availability	-0.001250	-0.001250
	=	-0.000130	x	Duration	+	0.001354	10.40 ≤ Availability ≤ 20.00	-0.002673	-0.002992
	=	0.000000					8.00 ≤ Availability ≤ 10.40	0.000000	0.000000
	=	-0.000250	x	Duration	+	0.002000	3.00 ≤ Availability ≤ 8.00	-0.005732	-0.006345
	=	0.001250					Availability < 3.00	0.001250	0.001250

Average outage duration– lines (hours)	=	Performance (Without Exclusions)	Performance (Exclusions)
Average outage duration– lines (hours)	=	30.926473	33.378875
S-Factor Result		-0.125000%	-0.125000%

**NOTES:**  
 Blue cells show SP AusNet's performance targets (C4:G4) and measure weightings (C5:G5) [See Attachment E of revenue cap]  
 Yellow/Green cells (Rows 8:12) show SP AusNet's performance formulae and related formula conditions based on performance targets and measure weightings  
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SP AUSNET S7 - Average outage duration- transformers

Performance Targets	Graph start	Collar	Knee Bend	Target	Knee Bend	Cap	Graph end
Average outage duration- transformers (hours)	18.00	15.00	10.20	10.00	6.00	3.00	0.00
Measure Weighting	-0.13%	-0.13%	0.00%	0.00%	0.00%	0.13%	-0.13%

Performance Formulae	Formulae						Conditions	S- Calc 1	S- Calc 2
Performance	=	-0.001250					15.00 < Availability	-0.001250	-0.001250
	=	-0.000260	x	Duration	+	0.002656	10.20 ≤ Availability ≤ 15.00	0.000785	0.000653
	=	0.000000					6.00 ≤ Availability ≤ 10.20	0.000000	0.000000
	=	-0.000417	x	Duration	+	0.002500	3.00 ≤ Availability ≤ 6.00	-0.000493	-0.000705
	=	0.001250					Availability < 3.00	0.001250	0.001250

Average outage duration- transformers (hours)	=	Performance (Without Exclusions)	Performance (Exclusions)
Average outage duration- transformers (hours)	=	7.183698	7.691660
S-Factor Result	=	0.000000%	0.000000%

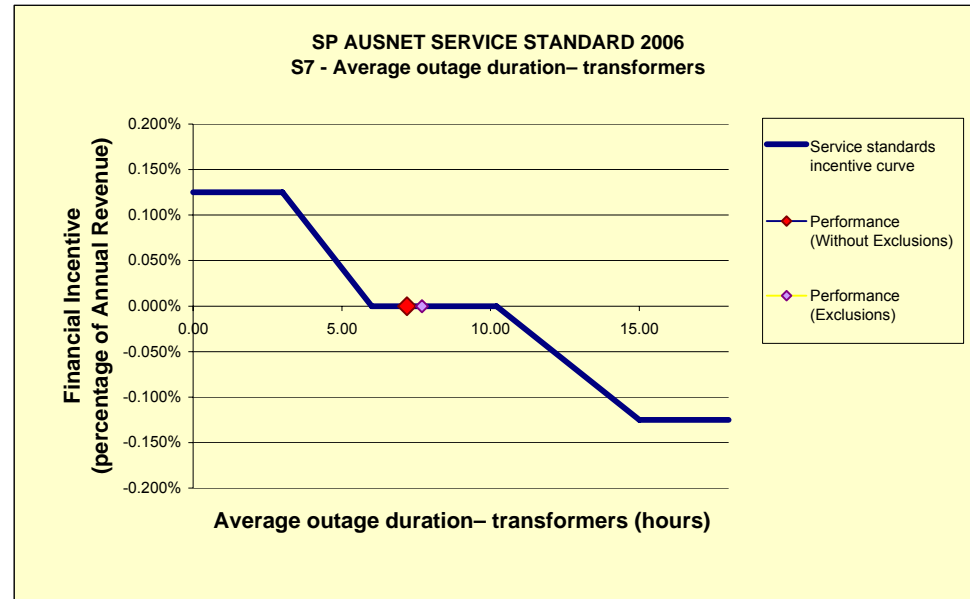
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## SP AUSNET - Revenue Calculation

<b>Revenue cap information</b>	
Base year allowed revenue	\$271,230,000
Base year	2003-04
X-factor	-1.12%
Commencement of regulatory period	1-Jan-03

<b>Annual revenue adjusted for CPI</b>	Dec-02	Dec-03	Dec-04	Dec-05
CPI	139.5	142.8	146.5	150.6
	2003	2003-04	2004-05	2005-06
Allowed Revenue	\$68,750,000	\$271,230,000	\$280,755,831	\$291,256,256
	2006-07			\$302,760,819

<b>Calendar year revenue</b>	2003	2004	2005	2006
Revenue	\$272,172,500	\$278,374,373	\$288,631,150	\$299,884,678

**NOTES:**

Yellow cells show inputs

Grey cells show calendar year revenue

Green cells are for formula

Blue cells are drop down menus

SP AUSNET- Performance outcomes 2006

Revenue calendar year 2006 (\$) **\$299,884,678**

Performance measure	S	Target	Performance without exclusions			Performance with exclusions			Impact of exclusions
			Performance	S-Factor	Final Incentive	Performance	S-Factor	Final Incentive	
Total circuit availability	S1	99.20%	99.236532%	0.012177%	\$36,517	99.250669%	0.016890%	\$50,649	0.004712%
Peak critical availability	S2	99.90%	99.873387%	-0.003992%	-\$11,971	99.878312%	-0.003253%	-\$9,756	0.000739%
Peak non-critical availability	S3	99.85%	99.589396%	-0.020360%	-\$61,055	99.785932%	-0.005005%	-\$15,010	0.015354%
Intermediate critical availability	S4	99.85%	99.541171%	-0.024127%	-\$72,354	99.541171%	-0.024127%	-\$72,354	0.000000%
Intermediate non-critical availability	S5	99.75%	98.594933%	-0.025000%	-\$74,971	98.972379%	-0.025000%	-\$74,971	0.000000%
Average outage duration– lines (hours)	S6	8-10	30.926473	-0.125000%	-\$374,856	33.378875	-0.125000%	-\$374,856	0.000000%
Average outage duration– transformers (hours)	S7	6-10	7.183698	0.000000%	\$0	7.691660	0.000000%	\$0	0.000000%
<b>TOTALS</b>				-0.186302%	-\$558,690		-0.165496%	-\$496,298	0.020805%

**NOTE:**

**THIS PAGE WILL AUTOMATICALLY UPDATE BASED ON DATA IN INPUT WORKSHEETS**

Grey cell (C3) shows calendar year revenue

Green cells (C7:C13) show performance measure targets

Pink cells (Columns D:F) show performance, s-factor results and financial incentive without exclusions

Orange cells (G7:I13) show performance, s-factor results and financial incentive with exclusions

Yellow cells (J7:J15) show the s-factor impact of exclusions

Rows 18:21 show proposed performance outcome for 2006 calendar year

Performance outcome for 2006 calendar year	
S-factor	-0.165496%
Financial Incentive	-\$496,298
Financial year affected by financial incentive	2007–08

SP AUSNET - Defined exclusions

Measure 1- Total circuit availability			
No.	Defined exclusions	Further description of exclusion	Reference
1.1	Unregulated transmission assets		Attachment C Revenue Cap decision
1.2	Third party outage		Attachment C Revenue Cap decision
1.3	Connection assets	Any outages caused by a 3rd party such as intertrip signals, generator outage, customer installation, customer request or NEMMCO direction. For the current regulatory period, this include outages for augmentation projects initiated by VENcorp, DBs or other 3rd parties.	Attachment C Revenue Cap decision
1.4	Force majeure	For the current regulatory period exclusions include outages for augmentation projects initiated by VENcorp, DBs or other 3rd parties.	Attachment C Revenue Cap decision
Measure 2- Peak critical availability			
No.	Defined exclusions	Further description of exclusion	Reference
2.1	Unregulated transmission assets		Attachment C Revenue Cap decision
2.2	Third party outage		Attachment C Revenue Cap decision
2.3	Connection assets	Any outages caused by a 3rd party such as intertrip signals, generator outage, customer installation, customer request or NEMMCO direction. For the current regulatory period, this include outages for augmentation projects initiated by VENcorp, DBs or other 3rd parties.	Attachment C Revenue Cap decision
2.4	Force majeure		Attachment C Revenue Cap decision
Measure 3- Peak non-critical availability			
No.	Defined exclusions	Further description of exclusion	Reference
3.1	Unregulated transmission assets		Attachment C Revenue Cap decision
3.2	Third party outage		Attachment C Revenue Cap decision
3.3	Connection assets	Any outages caused by a 3rd party such as intertrip signals, generator outage, customer installation, customer request or NEMMCO direction. For the current regulatory period, this include outages for augmentation projects initiated by VENcorp, DBs or other 3rd parties.	Attachment C Revenue Cap decision
3.4	Force majeure		Attachment C Revenue Cap decision
3.5	Shunt reactors	SP AusNet state it is good electricity practice to take these outages during peak and intermediate periods rather than off-peak periods	SP AusNet, Performance against Service Standards 2005, page 5.
Measure 4- Intermediated critical availability			
No.	Defined exclusions	Further description of exclusion	Reference
4.1	Unregulated transmission assets		Attachment C Revenue Cap decision
4.2	Third party outage		Attachment C Revenue Cap decision
4.3	Connection assets	Any outages caused by a 3rd party such as intertrip signals, generator outage, customer installation, customer request or NEMMCO direction. For the current regulatory period, this include outages for augmentation projects initiated by VENcorp, DBs or other 3rd parties.	Attachment C Revenue Cap decision
4.4	Force majeure		Attachment C Revenue Cap decision
Measure 5- Intermediate non-critical availability			
No.	Defined exclusions	Further description of exclusion	Reference
5.1	Unregulated transmission assets		Attachment C Revenue Cap decision
5.2	Third party outage		Attachment C Revenue Cap decision
5.3	Connection assets	Any outages caused by a 3rd party such as intertrip signals, generator outage, customer installation, customer request or NEMMCO direction. For the current regulatory period, this include outages for augmentation projects initiated by VENcorp, DBs or other 3rd parties.	Attachment C Revenue Cap decision
5.4	Force majeure		Attachment C Revenue Cap decision
5.5	Shunt reactors	SP AusNet state it is good electricity practice to take these outages during peak and intermediate periods rather than off-peak periods	SP AusNet, Performance against Service Standards 2005, page 5.
Measure 6- Average outage durations– lines			
No.	Defined exclusions	Further description of exclusion	Reference
6.1	Unregulated transmission assets		Attachment C Revenue Cap decision
6.2	Momentary interruptions		Attachment C Revenue Cap decision
6.3	Third party outage		Attachment C Revenue Cap decision
6.4	Force majeure	Any outages caused by a 3rd party such as intertrip signals, generator outage, customer installation, customer request or NEMMCO direction.	Attachment C Revenue Cap decision
Measure 7- Average outage duration– transformers			
No.	Defined exclusions	Further description of exclusion	Reference
7.1	Unregulated transmission assets		Attachment C Revenue Cap decision
7.2	Third party outage		Attachment C Revenue Cap decision
7.3	Momentary interruptions	Any outages caused by a 3rd party such as intertrip signals, generator outage, customer installation, customer request or NEMMCO direction.	Attachment C Revenue Cap decision
7.4	Force majeure		Attachment C Revenue Cap decision