



## EXCEL TEMPLATE EXPLANATION

This reporting template is for each TNSP to report its service performance against the market impact parameter of the service target performance incentive scheme.

It only applies to the TNSP for the calendar year set out in the Input Performance worksheet of the TNSPs current regulatory period. The TNSP will need to submit raw data in a clear layout for validation (either in database or csv ).

## DATABASE TEMPLATE EXPLANATION

Below is an example of a database table format suitable for verification by the AER.

The table lists ALL binding constraints that are used to manage TNSP's XYZ equipment on a 5 minute resolution. The TNSP is able to enter the exclusion clause number in the 'EXCLUSION CLAUSE' field and provide comment . If the outage should be included in the benchmark, the TNSP simply leave the exclusion field blank.

**NOTE:** All dispatch intervals with a marginal value greater than \$10/MWh, classified as an OUTAGE and has no exclusion clause entered, will be used to calculate the TNSP's Market Impact Parameter .

**DATABASE NAME:** TNSP XYZ

**TABLE NAME:** TNSP XYZ Service Performance data

**DATA:**

SOURCE	SETTLEMENTDATE	CONSTRAINTID	EQUIPMENTNAME	EFFECTIVEDATE	VERSIONNO	MARGINAL VALUE	CLASSIFICATION	EXCLUSION CLAUSE	COMMENTS
TNSP XYZ	1/01/2007 12:30 PM	X>X-22_LK 1	LINE 22	1/01/2007	1	12	OUTAGE		
TNSP XYZ	1/01/2008 12:35 PM	X>X-NIL_RU		1/01/2006	2	120	SYSTEM NORMAL		
TNSP XYZ	1/01/2008 12:35 PM	X>>X-54	LINE 54	1/01/2004	1	200	OUTAGE	6	Line out of service to provide greater network capacity
TNSP XYZ	1/01/2008 12:55 PM	X>X_NSA_01	LINE 33	1/02/2004	1	5000	OUTAGE	7	Network Support constraint
TNSP XYZ	1/01/2007 12:30 PM	X>Y-22_LK 1	LINE 22	1/01/2007	1	12	OUTAGE		TNSP YYY is also responsible for this outage

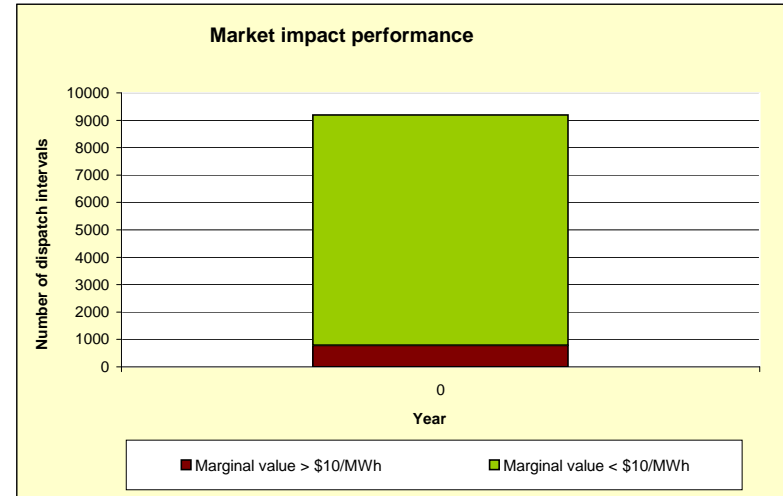
**TRANSGRID - SERVICE STANDARDS PERFORMANCE SUMMARY**

SERVICE TARGET PERFORMANCE INCENTIVE SCHEME DATA						
Year	Month	Market impact parameter count (DI) (without exclusions)	Market impact parameter count (DI) (with exclusions)	Non-market impact parameter count (DI)	Market impact paramters (Hrs)	Non-market impact paramters (Hrs)
2010	January	29	29	66	2.42	5.50
	February	144	131	404	10.92	33.67
	March	105	105	1092	8.75	91.00
	April	65	65	1175	5.42	97.92
	May	274	139	360	11.58	30.00
	June	164	164	1593	13.67	132.75
	July	0	0	195	0.00	16.25
	August	7	1	87	0.08	7.25
	September	5	5	906	0.42	75.50
	October	24	24	1086	2.00	90.50
	November	85	85	928	7.08	77.33
	December	32	32	517	2.67	43.08
<b>Total</b>		<b>934</b>	<b>780</b>	<b>8409</b>	<b>65.00</b>	<b>700.75</b>

**NOTE:**  
 Yellow cells - Enter market impact parameter performance data  
 Note: Performance is measured on a calendar year basis.

**Summary**

Date	Marginal value > \$10/MWh	Marginal value < \$10/MWh	Market impact paramters (Hrs)	Non-market impact paramters (Hrs)
0	780	8409	65.00	700.75



Revenue Determination Inputs	
TNSP:	TRANSGRID
STPIS version:	Mar-2008
Regulatory Determination	2009/10-2013/14
Base Year Allowed Revenue	\$678,400,000
Base Year	2009-10
X-factor	-5.61%
Commence ment of regulatory year	1-Jun-09

Other inputs	
Assessment Period	2010
Financial year to affect revenue:	2011/12
Date prepared:	27 January 2011
Revision date:	31 January 2011
Target	2857

Other Inputs						
Annual reven	Mar-09	Mar-10	Mar-11	Mar-12	Mar-13	Mar-14
CPI	166.2	171.0				

## TRANSGRID - Market Impact parameter s-factor

Performance Targets	Graph start	Target	Cap	Graph end
market impact parameter	3000	2857	0	0
Parameter weighting	0.00%	0.00%	2.00%	2.00%

Performance Formulae	Formulae				Conditions	S- Calc 1	S- Calc 2
Performance	=	0.000000		When:	2857 < No of dipatch intervals	0.000000	0.000000
	=	-0.000007	x	no of dispatch intervals	+ 2857 ≤ No of dipatch intervals	0.013462	0.014540
	=	0.020000			= 0 No of dipatch intervals	0.020000	0.020000

Performance Outcomes	Performance (Without Exclusions)	Performance (Exclusions)
number of dispatch intervals	934	780
S-Factor	1.3462%	1.4540%

### NOTE:

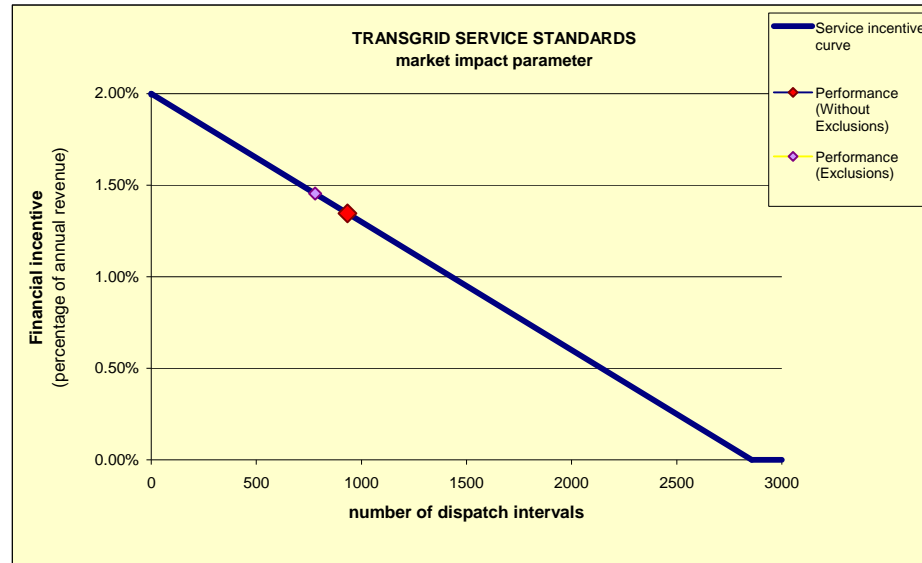
This sheet will automatically update based on data in input sheets.

Blue cells show Transgrid's performance target and maximum financial incentive.

Yellow/Green cells show Transgrid's performance formula and related formula conditions based on performance targets and the maximum financial incentive

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



**TRANSGRID - Revenue calculation**

<i>Revenue cap information</i>	
Base revenue	\$678,400,000
Base year	2009-10
X-factor	-5.61%
Commencement of regulatory period	1-Jun-09

<i>Annual revenue adjusted for CPI</i>	Mar-09	Mar-10	Mar-11	Mar-12	Mar-13	Mar-14
CPI	166.2	171.0	-	-	-	-

	2009-10	2010-11	2010-12	2010-13	2010-14
AR	\$678,400,000	\$737,150,175			

<i>Calendar year revenue</i>	2009	2010	2011	2012	2013	2014
Revenue	\$339,200,000	\$707,775,087				

**NOTE:**

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

Grey cells show calendar year revenue

Green cells are for formula

## TRANSGRID - Market impact parameter performance outcomes

Revenue calendar year **\$707,775,087**

Performance parameter	Target (six months)	Performance without exclusions			Performance with exclusions			Impact of exclusions
		Performance	S-Factor	Final Incentive	Performance	S-Factor	Final Incentive	
Market impact parameter	2,857	934	1.346167%	\$9,527,837	780	1.453973%	\$10,290,857	0.107805%

**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	1.453973%
Bonus for market impact parameter	\$10,290,857
Financial year to affect revenue	2011/12

## Exclusions for Service Target Performance Incentive Scheme

Exclusion Number	Defined Exclusion	Further description	Reference
1	Force majeure	As defined in the Force Majeure definition worksheet and Appendix E of the Service Target Performance Incentive Scheme (March 2008) p. 51	Service Target Performance Incentive Scheme (March 2008) p. 51
2	Credible contingency events	Any network constraints that are invoked to manage the reclassification of non-credible contingency events to credible contingency events as per clause 4.2.3 (f) of the NER	Service Target Performance Incentive Scheme (March 2008) p. 46
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 Target Performance Incentive Scheme (March 2008) p. 46
4	Non-prescribed transmission services	Any outages on assets that are not providing prescribed transmission services	Service Target Performance Incentive Scheme (March 2008) p. 46
5	Safety reasons	Any outages for personal safety that are not related to the activity of owning or operating a transmission network	Service Target Performance Incentive Scheme (March 2008) p. 46
6	Operational security	Any outages that are only for the purpose of assisting with operational security, for example where a lower voltage parallel circuit is taken out of service to assist with transfers across an interconnector	Service Target Performance Incentive Scheme (March 2008) p. 46
7	Network support services	Any network constraints related to network support services in accordance with clause 5.6.2 of the NER	Service Target Performance Incentive Scheme (March 2008) p. 46
8 (a)	Others	Dispatch intervals (for a network outage constraint) that are affected by:	Service Target Performance Incentive Scheme (March 2008) p. 46
8 (b)		(a) a manifestly incorrect input to the dispatch algorithm as determined by AEMO under clause 3.9.2B of the NER	
8 (c)		(b) a constraint applied by AEMO that does not accurately reflect or is otherwise inconsistent with that network capability that the TNSP advised AEMO	
8 (d)		(c) a scheduling error	
8 (e)		(d) mandatory restrictions under clause 3.12A of the NER	
8 (f)		(e) AEMO declaring the spot market suspended under clause 3.14.3 of the NER, or (f) an administered price cap under clause 3.14.2 of the NER	

## 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"> <li>- 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.</li> <li>- action or inaction by a court, government agency (including denial, refusal or failure to grant any authorisation, despite timely best endeavour to obtain same)</li> <li>- strikes, lockouts, industrial and/or labour disputes and/or difficulties, work bans, blockades, picketing</li> <li>- 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</li> <li>- 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</li> </ul> <p>In determining what force majeure events should be excluded the AER will consider the following:</p> <ul style="list-style-type: none"> <li>- was the event unforeseeable and its impact extraordinary, uncontrollable and not manageable?</li> <li>- does the event occur frequently? If so, how did the impact of the particular event differ?</li> <li>- could the TNSP, in practice, have prevented the impact (not necessarily the event itself)?</li> <li>- could the TNSP have effectively reduced the impact of the event by adopting better practices?</li> </ul>	<p>Service Target Performance Incentive Scheme (March 2008) p. 51</p>