# **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.

#### **TasNetworks - SERVICE STANDARDS PERFORMANCE**

|    | Performance Inputs   |        |        |        |                 |  |                                  |          |  |  |  |  |  |
|----|--|--------|--------|--------|-----------------|--|----------------------------------|----------|--|--|--|--|--|
| s  | Performance parameter  | Collar | Target | Cap    | Revenue at Risk | Performance<br>(Without<br>exclusions) | Performance<br>(With exclusions) | Checksum |  |  |  |  |  |
| S1 | Transmission circuit<br>availability (critical)                          | 97.90% | 99.13% | 99.75% | 0.20%           | 99.450051%                             | 99.472077%                       |          |  |  |  |  |  |
| S2 | Transmission circuit<br>availability (non-critical)                      | 98.48% | 98.97% | 99.47% | 0.10%           | 98.622304%                             | 99.295181%                       | -0.01    |  |  |  |  |  |
| S3 | Transformer availability   | 98.67% | 99.28% | 99.90% | 0.15%           | 99.447443%                             | 99.448134%                       |          |  |  |  |  |  |
| S4 | Frequency of loss of supply<br>events (Events > 0.1 system<br>minutes)   | 21     | 15     | 9      | 0.20%           | 4                                      | 4                                | 0.00     |  |  |  |  |  |
| S5 | Frequency of loss of supply<br>events (Events > 1.0 system<br>minutes)   | 4      | 2      | 0      | 0.35%           | 0                                      | 0                                | 0.00     |  |  |  |  |  |
| S6 | Average outage duration -<br>transmission lines (no<br>revenue attached) | 529    | 326    | 124    | 0.00%           | 223                                    | 183                              | 0.04     |  |  |  |  |  |
| S7 | Average outage duration -<br>transformers (no revenue<br>attached)       | 1428   | 712    | 354    | 0.00%           | 401                                    | 401                              | 0.04     |  |  |  |  |  |

| Revenue Determinat                 | tion Inputs              |
|------------------------------------|--------------------------|
| TNSP:                              | TasNetworks              |
| STPIS version:                     | March, 2008              |
| Regulatory Determination           | 2009/10 - 2013/14        |
| Transitional year                  | 2014.15                  |
| Base Year Allowed Revenue          | 2014-15<br>\$177,210,840 |
| Base Year                          | 2009-10                  |
| X-factor                           | -5.53%                   |
| Commencement of<br>regulatory year | 1-Jul-09                 |

| Othe                                 | r inputs        |
|--------------------------------------|-----------------|
| Assessment<br>Period                 | 2014            |
| Financial year to<br>affect revenue: | 2014/15         |
| Date prepared:                       | 29 January 2015 |
| Revision date:                       |                 |
| Circuit i                            | nformation      |
| Number of critical<br>circuits       |                 |
|                                      | 30              |
| Number of non-<br>critical circuits  | 77              |
| Number of<br>transformers            | 109             |

|   | Average outage duration info<br>(without exclusions) |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|--|
| No. outages - lines                               | 36   |  |  |  |  |  |  |  |  |  |
| Total outage<br>duration - lines<br>(mins)        | 8043   |  |  |  |  |  |  |  |  |  |
| No. outages -<br>transformers                     | 25   |  |  |  |  |  |  |  |  |  |
| Total outage<br>duration -<br>transformers (mins) | 10036  |  |  |  |  |  |  |  |  |  |

| Average outa | age duration info |
|--------------|-------------------|
| (with e      | xclusions)        |
| No. excluded |                   |
| outages -    |                   |
| lines        | 7                 |
| Total no.    |                   |
| outages -    |                   |
| lines        | 29                |
| Total outage |                   |
| duration -   |                   |
| lines (mins) | 5318              |
| No. excluded |                   |
| outages -    |                   |
| transformers |                   |
|              | 0                 |
| Total no.    |                   |
| outages -    |                   |
| transformers | 25                |
| Total outage |                   |
| duration -   |                   |
| transformers | 10020             |
| (mins)       | 10036             |

| 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  | 105.4  |  |  |  |  |  |

### 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.

#### **TasNetworks - Proposed exclusions**

| CIRCUIT AVAILABILITY                            | Event proposed for exclusion                  | Description of the event and its<br>impact on the network and<br>performance   | Cause of the event   | Start date              | Start<br>time | End date              | End<br>time | Total hours<br>unavailable | Circuits affected                      | Reactive plant or<br>transformer       | Quantitative<br>impact   | Reasons for exclusion request   | Further references   |
|---|---|--|--|-------------------------|---------------|-----------------------|-------------|----------------------------|--|--|--|---|--|
| ame of any circuit availability<br>arameters    | Name of the event                             | Detail of the event. Such as: the action of<br>any third parties, the actions of the TNSP,<br>assets damaged or interrupted. | A description of the cause of the<br>event                                 | Start date and<br>event | time of       | End date and<br>event | time of     |                            | Name of circuits or<br>plant affected  | Name of any equipment<br>affected      | Impact of exclusion<br>event on availability sub-<br>parameter | Full details of the reason/s for excluding this event. Should include a referen<br>to the defined exclusions and explain how it meets this exclusion definition (s<br>Exclusion definition tab). Eg. Exclusion 1.2 Third party event. |  |
| 1   | Generator requested<br>outages                | Various, see OMQ Data 2014<br>Spreadsheet  | Multiple circuit outages, see<br>OMQ Data 2014 Spreadsheet<br>for details. |                         |               |                       |             | 57.88                      | Various                                | see OMQ Data 2014<br>Spreadsheet       | -0.000220  | Defined Exclusion 1.3 Third Party Outage  | For details see OMQ Data<br>2014 Spreadsheet, and<br>exclusion support document<br>D003 and D004. and<br>investigation reports IR1632<br>and IR1636. |
| availability (critical)                         |   |  |  |                         |               |                       |             | 0                          | )                                      |  |  |   |  |
| 1   |   |  |  |                         |               |                       |             | (                          |  |  |  |   |  |
| 1   |   |  |  |                         |               |                       |             | 0                          |  |  |  |   |  |
| 1   |   |  |  |                         |               |                       |             | 0                          |  |  |  |   |  |
| 1   | Generator requested                           | Various, see OMQ Data 2014   | Multiple circuit outages, see  |                         |               |                       |             | 3682.9                     | Various                                | see OMQ Data 2014                      | -0.005490  |   | For details see OMQ Data   |
| 2   |   |  | OMQ Data 2014 Spreadsheet<br>for details.                                  |                         |               |                       |             | 5052.0                     | , vanoao                               | Spreadsheet                            | 0.000100   | Defined Exclusion 1.3 Third Party Outage  | 2014 Spreadsheet, and<br>exclusion support document<br>D003 and D004   |
| 2<br>Transmission circuit<br>availability (non- | Generator shared<br>outages                   | Spreadsheet  | Multiple circuit outages, see<br>OMQ Data 2014 Spreadsheet<br>for details. |                         |               |                       |             | 743.45                     | Various                                | see OMQ Data 2014<br>Spreadsheet       | -0.001108  | Defined Exclusion 1.3 Third Party Outage  | For details see OMQ Data<br>2014 Spreadsheet, and<br>exclusion support document<br>D003 and D004   |
| 2 critical)                                     | MI requested outages                          | Major Industrial customer TEMCO<br>requested outages   | Three circuit outages, see OMQ<br>Data 2014 Spreadsheet for<br>details.    |                         |               |                       |             | 87.68                      | GT-TE 2 110 kV<br>Transmission Circuit |  | -0.000131  | Defined Exclusion 1.3 Third Party Outage  | See exclusion support<br>document D001, D002 and<br>D005   |
| 2   |   |  |  |                         |               |                       |             | 0                          | )                                      |  |  |   |  |
| 2   |   |  |  |                         |               | -                     |             | L C                        |  |  |  |   |  |
| 2   |   |  |  |                         |               |                       |             | 0                          |  |  |  |   |  |
| 3   | Generator requested<br>outage PROMS<br>126251 | Hydro Tasmania G3 synchroniser<br>commissioning tests  | Hydro Tasmania G3<br>synchroniser commissioning<br>tests                   | 10/12/2014              | 9:29          | 10/12/2014            | 16:05       | 6.6                        |  | GO 220/22 kV T6<br>Transformer Circuit | -0.000007  | Defined Exclusion 1.3 Third Party Outage  | For details see OMQ Data<br>2014 Spreadsheet, and<br>exclusion support document<br>D003 and D004.  |
| <sup>3</sup> Transformer                        |   |  |  |                         |               |                       |             |                            |  |  |  |   |  |
| 3 availability                                  |   |  |  |                         |               |                       |             | 0                          |  |  |  |   |  |
| 3   |   |  |  |                         |               |                       |             | 0                          |  |  |  |   |  |
| 3   |   |  |  |                         |               |                       |             | (                          |  |  |  |   |  |
| 3   |   |  |  |                         |               |                       |             | (                          |  |  |  |   |  |

#### 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.

#### **TasNetworks - Proposed exclusions**

|   | LOSS OF SUPPLY<br>EVENT FREQUENCY     | Event proposed for exclusion | Description of the event and its<br>impact on the network and<br>performance   | Cause of the event                         | Start<br>date         | Start<br>time | End<br>date         | End<br>time | Circuits affected                     | Maximum system<br>demand  | Demand shed and time     |  |  | Further references   |
|---|---------------------------------------|------------------------------|--|--|-----------------------|---------------|---------------------|-------------|---------------------------------------|---|--------------------------|--|--|--|
|   | ime of any loss of supply<br>rameters | Name of the event            | Detail of the event. Such as: the action of<br>any third parties, the actions of the TNSP,<br>assets damaged or interrupted. | A description of the cause of the<br>event | Start date a<br>event | nd time of    | End date a<br>event | nd time of  | Name of circuits or<br>plant affected | The max system<br>demand that occurred<br>up until the time of the<br>event | shed and the duration it | Impact of exclusion<br>event on LOS<br>Parameter | Full details of the reason/s for excluding this event.<br>Should include a reference to the defined exclusions<br>and explain how it meets this exclusion definition (see<br>Exclusion definition tab). Eg. Exclusion 1.2 Third<br>party event | A TNSP may provide further<br>details of an exclusion event.<br>TNSP to provide reference. |
|   |                                       |                              |  |  |                       |               |                     |             |                                       |   |                          |  |  |  |
|   | Frequency of loss of                  |                              |  |  |                       |               |                     |             |                                       |   |                          |  |  |  |
| s | 4 supply events                       |                              |  |  |                       |               |                     |             |                                       |   |                          |  |  |  |
| - | (Events > 0.1 system                  |                              |  |  |                       |               |                     |             |                                       |   |                          |  |  |  |
|   | minutes)                              |                              |  |  |                       |               |                     |             |                                       |   |                          |  |  |  |
|   |                                       |                              |  |  |                       |               |                     |             |                                       |   |                          |  |  |  |
|   |                                       |                              |  |  |                       |               |                     |             |                                       |   |                          |  |  |  |
|   | Frequency of loss of                  |                              |  |  |                       |               |                     |             |                                       |   |                          |  |  |  |
|   | supply events                         |                              |  |  |                       |               |                     |             |                                       |   |                          |  |  |  |
| s | 5 (Events > 1.0 system                |                              |  |  |                       |               |                     |             |                                       |   |                          |  |  |  |
|   | minutes)                              |                              |  |  |                       |               |                     |             |                                       |   |                          |  |  |  |
|   |                                       |                              |  |  |                       |               |                     |             |                                       |   |                          |  |  |  |
|   |                                       |                              |  |  |                       |               |                     |             |                                       |   |                          |  |  |  |

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.

#### **TasNetworks - Proposed exclusions**

|   | AVERAGE OUTAGE<br>DURATION  | Event proposed for<br>exclusion | Description of the event and its<br>impact on the network and<br>performance   | Cause of the event   | Start<br>date         | Start<br>time | End<br>date         | End<br>time | Circuits affected                  | Quantitative<br>impact                           | Capped impact (if applicable)                           | Reasons for exclusion request | Further references   |
|---|---|---------------------------------|--|--|-----------------------|---------------|---------------------|-------------|------------------------------------|--|---|-------------------------------|--|
|   | me of any average outage<br>ation parameters                          | Name of the event               | Detail of the event. Such as: the action of<br>any third parties, the actions of the TNSP,<br>assets damaged or interrupted. | A description of the cause of the<br>event                                 | Start date a<br>event | and time of   | End date a<br>event | nd time of  | Name of circuits or plant affected | Impact of exclusion<br>event on AOD<br>Parameter | Impact of capped<br>exclusion event on<br>AOD parameter |                               | A TNSP may provide further<br>details of an exclusion event.<br>TNSP to provide reference.       |
| s | Average outage<br>duration -  | Generator requested<br>outages  | Spreadsheet  | Multiple circuit outages, see<br>OMQ Data 2014 Spreadsheet<br>for details. |                       |               |                     |             | Various see OMQ<br>2014 Spre       |  | 40.000  |                               | For details see OMQ Data<br>2014 Spreadsheet, and<br>exclusion support document<br>D003 and D004 |
| s | Average outage<br>duration -<br>transformers (no<br>revenue attached) |                                 |  |  |                       |               |                     |             |                                    |  |   |                               |  |

#### 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.

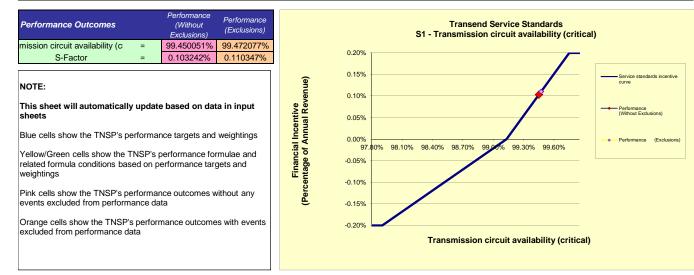
Each exclusion should be entered onto one row for each parameter. Where one exclusion event applies to more than one parameter, the relevant details of the event should be entered under each of the measure headings.

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.

#### **TasNetworks - S1 - Transmission circuit availability (critical)**

| Performance Targets             | Graph<br>start | Collar | Target | Сар    | Graph<br>end |
|---------------------------------|----------------|--------|--------|--------|--------------|
| mission circuit availability (c | 97.70%         | 97.90% | 99.13% | 99.75% | 100.00%      |
| Weighting                       | -0.20%         | -0.20% | 0.00%  | 0.20%  | 0.20%        |

| Performance Formulae |   |           | For | mulae        |   |           |        |   | Conditions   |   |        | S- Calc 1 | S- Calc 2 |
|----------------------|---|-----------|-----|--------------|---|-----------|--------|---|--------------|---|--------|-----------|-----------|
| Performance          | = | -0.002000 |     |              |   |           |        |   | Availability | < | 97.90% | -0.002000 | -0.002000 |
|                      | = | 0.162602  | х   | Availability | + | -0.161187 | 97.90% | ≤ | Availability | ≤ | 99.13% | 0.000520  | 0.000556  |
|                      | = | 0.322581  | х   | Availability | + | -0.319774 | 99.13% | ≤ | Availability | ≤ | 99.75% | 0.001032  | 0.001103  |
|                      | = | 0.002000  |     |              |   |           | 99.75% | < | Availability |   |        | 0.002000  | 0.002000  |



## TasNetworks - S2 - Transmission circuit availability (non-critical)

| Performance Targets              | Graph<br>start | Collar | Target | Cap    | Graph<br>end |
|----------------------------------|----------------|--------|--------|--------|--------------|
| ission circuit availability (non | 98.30%         | 98.48% | 98.97% | 99.47% | 99.70%       |
| Weighting                        | -0.10%         | -0.10% | 0.00%  | 0.10%  | 0.10%        |

| Performance For | nulae |           | For | rmulae       |   |           |        |   | Conditions   |   |        | S- Calc 1 | S- Calc 2 |
|-----------------|-------|-----------|-----|--------------|---|-----------|--------|---|--------------|---|--------|-----------|-----------|
| Performanc      | :e =  | -0.001000 |     |              |   |           | When:  |   | Availability | < | 98.48% | -0.001000 | -0.001000 |
|                 | =     | 0.204082  | х   | Availability | + | -0.201980 | 98.48% | ≤ | Availability | ≤ | 98.97% | -0.000710 | 0.000664  |
|                 | =     | 0.200000  | х   | Availability | + | -0.197940 | 98.97% | ≤ | Availability | ≤ | 99.47% | -0.000695 | 0.000650  |
|                 | =     | 0.001000  |     |              |   |           | 99.47% | < | Availability |   |        | 0.001000  | 0.001000  |

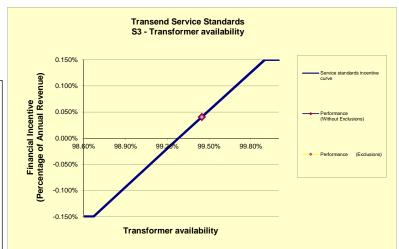
| ical)  |
|--|
|  |
| Service standards incentive<br>curve                     |
| <ul> <li>Performance<br/>(Without Exclusions)</li> </ul> |
| Performance (Exclusions)                                 |
|  |
|  |
|  |
|  |
| •  |

#### TasNetworks - S3 - Transformer availability

| Performance Targets      | Graph<br>start | Collar | Target | Cap    | Graph<br>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 |   |           | Form | nulae        |   |           |        |   | Conditions   |   |        | S- Calc 1 | S- Calc 2 |
|----------------------|---|-----------|------|--------------|---|-----------|--------|---|--------------|---|--------|-----------|-----------|
| Performance          | = | -0.001500 |      |              |   |           | When:  |   | Availability | < | 98.67% | -0.001500 | -0.001500 |
|                      | = | 0.245902  | х    | Availability | + | -0.244131 | 98.67% | ≤ | Availability | ≤ | 99.28% | 0.000412  | 0.000413  |
|                      | = | 0.241935  | х    | Availability | + | -0.240194 | 99.28% | ≤ | Availability | ≤ | 99.90% | 0.000405  | 0.000407  |
|                      | = | 0.001500  |      |              |   |           | 99.90% | < | Availability |   |        | 0.001500  | 0.001500  |

| Performance Outcomes       | Performance<br>(Without<br>Exclusions) | Performance<br>(Exclusions) |
|----------------------------|--|-----------------------------|
| Transformer availability = | 99.447443%                             | 99.448134%                  |
| S-Factor =                 | 0.040510%                              | 0.040678%                   |



#### NOTE:

This sheet will automatically update based on data in input sheets

Blue cells show the TNSPt'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

#### TasNetworks - 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 |   |           | Forr | nulae         |   |          |    | Conditions      |     |    | S- Calc 1 | S- Calc 2 |
|----------------------|---|-----------|------|---------------|---|----------|----|-----------------|-----|----|-----------|-----------|
| Performance          | = | -0.002000 |      |               |   |          | 21 | < No. of events |     |    | -0.002000 | -0.002000 |
|                      | = | -0.000333 | х    | No. of events | + | 0.005000 | 15 | ≤ No. of events | ≤ . | 21 | 0.003667  | 0.003667  |
|                      | = | -0.000333 | x    | No. of events | + | 0.005000 | 9  | ≤ No. of events | ≤   | 15 | 0.003667  | 0.003667  |
|                      | = | 0.002000  |      |               |   |          |    | No. of events   | <   | 9  | 0.002000  | 0.002000  |

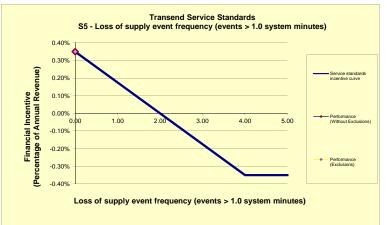
| Frequency of loss of supply events (Events > 0.1 system minutes) =<br>Evaluations)<br>Performance<br>(Without<br>Evaluations)      |  |
|--|--|
| Frequency of loss of supply events (Events > 0.1 system minutes) =<br>S-Factor = 200000% 0.200000%                                 | 6 0.20%  |
| NOTE:  |  |
| 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 | e 0.05%<br>0.05%<br>0.00%<br>0.00%<br>0.05%<br>0.00%<br>0.05%<br>0.00%<br>0.05%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.05%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00%<br>0.00 |
| Pink cells show the TNSP's performance outcomes without any events excluded from performance data                                  | E : : : : : : : : : : : : : : : : : : :  |
| Orange cells show the TNSP's performance outcomes with events excluded from performance data                                       | 0.20%  |
|  | Loss of supply event frequency (events > 0.1 system minutes)   |
|  |  |

#### TasNetworks - 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<br>(Events > 1.0 system minutes) | 6           | 4       | 2      | 0      | 0         |
| Weighting   | -0.35%      | -0.350% | 0.00%  | 0.350% | 0.35%     |

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

| Frequency of loss of supply events<br>(Events > 1.0 system minutes) | = | Performance<br>(Without<br>Exclusions) | Performance<br>(Exclusions) |
|---|---|--|-----------------------------|
| Frequency of loss of supply events<br>(Events > 1.0 system minutes) | = | 0                                      | 0                           |
| S-Factor  |   | 0.350000%                              | 0.350000%                   |



#### 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

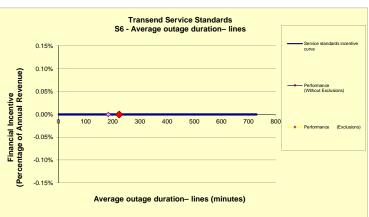
Pink cells show the TNSP's performance outcomes without any events excluded from performance data

#### TasNetworks - 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%       | 0.000% | 0.00%  | 0.000% | 0.00%     |

| Performance Formulae |   |          | Fo | ormulae  |   |          |     |   | Conditions |   |     | S- Calc 1 | S- Calc 2 |
|----------------------|---|----------|----|----------|---|----------|-----|---|------------|---|-----|-----------|-----------|
| Performance          | = | 0.000000 |    |          |   |          | 529 | < | Duration   |   |     | 0.000000  | 0.000000  |
|                      | = | 0.000000 | х  | Duration | + | 0.000000 | 326 | ≤ | Duration   | ≤ | 529 | 0.000000  | 0.000000  |
|                      | = | 0.000000 | х  | Duration | + | 0.000000 | 124 | ≤ | Duration   | ≤ | 326 | 0.000000  | 0.000000  |
|                      | = | 0.000000 |    |          |   |          |     |   | Duration   | < | 124 | 0.000000  | 0.000000  |

| Average outage duration - transmission<br>lines (no revenue attached) | = | Performance<br>(Without<br>Exclusions) | Performance<br>(Exclusions) |
|---|---|--|-----------------------------|
| tage duration - transmission lines (no revenu                         | = | 223.416667                             | 183.379310                  |
| S-Factor  |   | 0.000000%                              | 0.000000%                   |



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

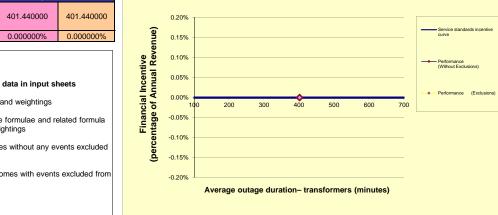
#### TasNetworks - S7 - Average outage duration - transformers (no revenue attached)

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

| Perfor | mance Formulae |   |          | Formu | lae      |   |          |         |   | Conditions |   |         | S- Calc 1 | S- Calc 2 |
|--------|----------------|---|----------|-------|----------|---|----------|---------|---|------------|---|---------|-----------|-----------|
|        | Performance    | = | 0.000000 |       |          |   |          | 1428.00 | < | Duration   |   |         | 0.000000  | 0.000000  |
|        |                | = | 0.000000 | х     | Duration | + | 0.000000 | 712.00  | ≤ | Duration   | ≤ | 1428.00 | 0.000000  | 0.000000  |
|        |                | = | 0.000000 | х     | Duration | + | 0.000000 | 354.00  | ≤ | Duration   | ≤ | 712.00  | 0.000000  | 0.000000  |
|        |                | = | 0.000000 |       |          |   |          |         |   | Duration   | < | 354.00  | 0.000000  | 0.000000  |

| Average outage duration -<br>transformers (no revenue<br>attached) | = | Performance<br>(Without<br>Exclusions) | Performance<br>(Exclusions) |
|--|---|--|-----------------------------|
| Average outage duration -<br>transformers (no revenue attached)    | = | 401.440000                             | 401.440000                  |
| S-Factor   | = | 0.000000%                              | 0.000000%                   |

Transend Service Standards S7 - Average outage duration- transformers



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

## **TasNetworks - Revenue Calculation**

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

| Annual revenue adjusted for<br>CPI | 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  | 105.4            |
|                                    |        |        |        |        |        | Transitional yea |

| Nominal annual revenue | 2009-10       | 2010-11       | 2011-12       | 2012-13       | 2013-14       | 2014-15       |
|------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Allowed Revenue        | \$177,210,840 | \$192,402,817 | \$209,801,175 | \$224,901,250 | \$243,266,546 | \$186,931,284 |

| Calendar year revenue | 2009         | 2010          | 2011          | 2012          | 2013          | 2014          |
|-----------------------|--------------|---------------|---------------|---------------|---------------|---------------|
| Revenue               | \$88,605,420 | \$184,806,828 | \$201,101,996 | \$217,351,212 | \$234,083,898 | \$215,098,915 |

## NOTE:

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

Grey cells show calendar year revenue

Green cells are for formula

## **TasNetworks - Performance outcomes**

Revenue calendar year \$215,098,915

| s          | Performance parameter  | Target | Performa    | ance without | exclusions      | Perform     | ance with ex | clusions        | Impact of exclusions |
|------------|--|--------|-------------|--------------|-----------------|-------------|--------------|-----------------|----------------------|
| 3          | Performance parameter  | Target | Performance | S-Factor     | Final Incentive | Performance | S-Factor     | Final Incentive | impact of exclusions |
|            | Transmission circuit availability  |        |             |              |                 |             |              |                 |                      |
| S1         | (critical)   | 99.13% | 99.450051%  | 0.103242%    | \$222,073       | 99.472077%  | 0.110347%    | \$237,356       | 0.007105%            |
|            | Transmission circuit availability (non-                                  |        |             |              |                 |             |              |                 |                      |
| S2         | critical)  | 98.97% | 98.622304%  | -0.070958%   | -\$152,631      | 99.295181%  | 0.065036%    | \$139,892       | 0.135995%            |
| S3         | Transformer availability   | 99.28% | 99.447443%  | 0.040510%    | \$87,137        | 99.448134%  | 0.040678%    | \$87,497        | 0.000167%            |
| S4         | Frequency of loss of supply events<br>(Events > 0.1 system minutes)      | 15     | 4           | 0.200000%    | \$430,198       | 4           | 0.200000%    | \$430,198       | 0.000000%            |
| <b>S</b> 5 | Frequency of loss of supply events<br>(Events > 1.0 system minutes)      | 2      | 0           | 0.350000%    | \$752,846       | 0           | 0.350000%    | \$752,846       | 0.000000%            |
| S6         | Average outage duration -<br>transmission lines (no revenue<br>attached) | 326    | 223         | 0.000000%    | \$0             | 183         | 0.000000%    | \$0             | 0.000000%            |
|            |  |        |             |              |                 |             |              |                 |                      |

0.00000%

0.622794%

\$0

\$1,339,624

401

0.000000%

0.766061%

NOTE:

712

401

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

Grey cell shows relevant calendar year revenue

Average outage duration transformers (no revenue attached)

S7

TOTALS

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                                       | 0.766061%   |
| Financial Incentive                            | \$1,647,789 |
| Financial year affected by financial incentive | 2014/15     |

\$0

\$1,647,789

0.000000%

0.143267%

#### TasNetworks - Defined exclusions

| No.   | Parameter 1- Transmission circuit availability (critical)   |   |  |
|---|---|---|--|
|   | 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  |
| 4.2   | Dedicated connection consta   | De diseted a sum of instantiation and that sum has a sum to make her an article of a high of a lower's lower of a main  | 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   | Appendix F Transmission  |
|   |   | service.  | 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   | Appendix F Transmission  |
|   |   | services or AEMO.   | Determinaiton Final Decision   |
| 1.4   | Force majeure   |   | Appendix F Transmission  |
|   |   |   | Determinaiton Final Decision   |
|   | Parameter 2 - Transmission circuit availability (non-critical)  |   |  |
|   | 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   | Appendix F Transmission  |
|   |   | service.  | 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   | Appendix F Transmission  |
|   |   | services or AEMO.   | Determinaiton Final Decision   |
| 2.4   | Force majeure   |   | Appendix F Transmission  |
|   |   |   | Determinaiton Final Decision   |
|   | Parameter 3 - Transformer availability  |   |  |
|   | 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   | Appendix F Transmission  |
|   |   |   |  |
|   |   | service.  | Determinaiton Final Decision   |
| 3.3   | Third party outage  | service.<br>Circuit outages caused by a fault or other event on a third party system e.g. intertrip signal, generator outage  | Determinaiton Final Decision   |
| .3  | Third party outage  |   | Determinaiton Final Decision<br>Appendix F Transmission  |
| .3  | Third party outage  | Circuit outages caused by a fault or other event on a third party system e.g. intertrip signal, generator outage  |  |
|   | Third party outage<br>Force majeure   | 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  | Appendix F Transmission  |
|   |   | 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  | Appendix F Transmission<br>Determinaiton Final Decision  |
|   | Force majeure   | 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<br>Determinaiton Final Decision<br>Appendix F Transmission   |
|   |   | 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<br>Determinaiton Final Decision<br>Appendix F Transmission   |
| 3.4   | Force majeure<br>Parameter 4 - Frequency of loss of supply event (>0.1 minut  | 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<br>Determinaiton Final Decision<br>Appendix F Transmission<br>Determinaiton Final Decision   |
| 3.4   | Force majeure<br>Parameter 4 - Frequency of loss of supply event (>0.1 minut<br>Defined exclusions  | 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.  e) Further description of exclusion   | Appendix F Transmission<br>Determinaiton Final Decision<br>Appendix F Transmission<br>Determinaiton Final Decision   |
| 3.4<br>4.1  | Force majeure<br>Parameter 4 - Frequency of loss of supply event (>0.1 minut<br>Defined exclusions  | 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.  e) Further description of exclusion   | Appendix F Transmission<br>Determinaiton Final Decision<br>Appendix F Transmission<br>Determinaiton Final Decision<br>Reference<br>Appendix F Transmission   |
| 3.4<br>4.1  | Force majeure<br>Parameter 4 - Frequency of loss of supply event (>0.1 minut<br>Defined exclusions<br>Unregulated transmission assets                                       | <ul> <li>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.</li> <li>e)</li> <li>Further description of exclusion         Outages on assets that are not providing prescribed transmission services.</li> </ul>   | Appendix F Transmission<br>Determinaiton Final Decision<br>Appendix F Transmission<br>Determinaiton Final Decision<br>Reference<br>Appendix F Transmission   |
| 3.4<br>4.1  | Force majeure<br>Parameter 4 - Frequency of loss of supply event (>0.1 minut<br>Defined exclusions<br>Unregulated transmission assets                                       | <ul> <li>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.</li> <li>e)</li> <li>Further description of exclusion         Outages on assets that are not providing prescribed transmission services.         Dedicated connection assets that supply a customer who has negotiated a higher (or lower) level of service</li> </ul>  | Appendix F Transmission<br>Determinaiton Final Decision<br>Appendix F Transmission<br>Determinaiton Final Decision<br>Reference<br>Appendix F Transmission<br>Determinaiton Final Decision   |
| 3.4<br>4.1<br>4.2   | Force majeure<br>Parameter 4 - Frequency of loss of supply event (>0.1 minut<br>Defined exclusions<br>Unregulated transmission assets                                       | <ul> <li>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.</li> <li>e)</li> <li>Further description of exclusion         Outages on assets that are not providing prescribed transmission services.         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</li> </ul>  | Appendix F Transmission<br>Determinaiton Final Decision<br>Appendix F Transmission<br>Determinaiton Final Decision<br><b>Reference</b><br>Appendix F Transmission<br>Determinaiton Final Decision<br>Appendix F Transmission   |
| <ul> <li>3.3</li> <li>3.4</li> <li>4.1</li> <li>4.2</li> <li>4.3</li> </ul> | Force majeure Parameter 4 - Frequency of loss of supply event (>0.1 minut Defined exclusions Unregulated transmission assets Dedicated connection assets                    | <ul> <li>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.</li> <li>e)</li> <li>Further description of exclusion         Outages on assets that are not providing prescribed transmission services.         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.</li> </ul>   | Appendix F Transmission<br>Determinaiton Final Decision<br>Appendix F Transmission<br>Determinaiton Final Decision<br><b>Reference</b><br>Appendix F Transmission<br>Determinaiton Final Decision<br>Appendix F Transmission   |
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| 6.7       For all outages the duraiton is capped at seven days       Determination Final Decision<br>Appendix F Transmission<br>Determination Final Decision         7       Parameter 7 - Average outage duration - transformers       Reference         7.1       Successful reclose events (less than on emintue duration       Ruther description of exclusion       Appendix F Transmission<br>Determination Final Decision         7.2       Unregulated transmission assets       Outages on assets that are not providing prescribed transmission services.       Appendix F Transmission<br>Determination Final Decision         7.3       Dedicated connection assets       Dedicated connection assets that supply a customer who has negotiated a higher (or lower) level of service<br>required by the NER, where that customer has agreed to the cost (or discount) for that higher (or lower) level of<br>service.       Appendix F Transmission<br>Determination Final Decision         7.4       Third party outage       Cricuic outges caused by a fault or other event on a third party system e.g. intertrip signal, generator outage<br>(including coincident outages), customer installation (including a customer request), or by direction by fire       Appendix F Transmission<br>Determination Final Decision   |     |  |  | Determinaiton Final Decision           |
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| <ul> <li>7.3 Dedicated connection assets</li> <li>7.4 Third party outage</li> <li>7.4 Did party outage</li> <li>7.5 Dedicated connection assets</li> <li>7.6 Dedicated connection assets</li> <li>7.7 Dedicated connection assets</li> <li>7.8 Dedicated connection assets</li> <li>7.9 Dedicated connection ass</li></ul>  | 7.0 | Uprogulated transmission assots                          | Outgood on accepte that are not providing properied transmission and final                                 |  |
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| <ul> <li>7.4 Third party outage</li> <li>required by the NER, where that customer has agreed to the cost (or discount) for that higher (or lower) level of service.</li> <li>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.</li> </ul>  | 7 2 | Dedicated connection assets                              | Dedicated connection assets that supply a sustamon who has a sustained a higher (as laws) has 1. (         | Determination Final Decision           |
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| services or AEMO. Determinaiton Final Decision  | 7.4 | Third party outage                                       |  |  |
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|   | 7.5 | Planned outages  |  | Appendix F Transmission                |
| Determinaiton Final Decision  |     |  |  | Determinaiton Final Decision           |
| 7.6 Force majeure Appendix F Transmission   | 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  | 7.7 | For all outages the duraiton is capped at seven days     |  |  |
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# Service Target Perfomance Incentive Scheme - Definition of Forece Majeure

| Definition of Force Majeure  | Reference                                   |
|--|---|
| For the purpose of applying the service target performance incentive scheme, force majeure events means any event, act or circumstance or  | Service Target Performance Incentive Scheme |
| combination of events, acts and circumstances which (despite the observance of good electricity industry practice) is beyond the reasonable control  | (January 2007) p. 31                        |
| of the part affected by any such event, which may include, without limitation, the following:  |   |
| - 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 fore 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  |   |
| In determining what force majeure events should be excluded the AER will consider the following:   |   |
| - 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?  |   |
|  |   |
|  |   |