

# National Electricity Rules Version 90

## Historical Information

This version of the National Electricity Rules was current from 6 April 2017 to 1 May 2017.

# National Electricity Rules Version 90

## Status Information

This is the latest electronically available version of the National Electricity Rules as at 6 April 2017.

This consolidated version of the National Electricity Rules was last updated on 6 April 2017 as a result of the commencement of the following amendments:

National Electricity Amendment (Emergency frequency control schemes) Rule 2017 No. 2

This consolidated version of the Rules reflects the initial Rules made by the SA Minister under section 90 of the National Electricity Law (**NEL**) as amended by:

Rules made by the South Australian Minister under sections 90A to 90E of the NEL; and

Rules made by the Australian Energy Market Commission under Part 7 Division 3 of the NEL.

## Application of the National Energy Customer Framework related Rule

On 27 June 2012, the South Australian Minister made Rules relating to the implementation of the National Energy Customer Framework (**NECF**), including amendments to the National Electricity Rules under section 90D of the NEL in relation to small customer connections (Chapter 5A), Retail Markets including billing and credit support (Chapter 6B) and related provisions (**NECF related rule**).

The NECF related Rule commenced operation as a law of Tasmania, the Australian Capital Territory and the Commonwealth on 1 July 2012; South Australia on 1 February 2013, New South Wales on 1 July 2013 and Queensland on 1 July 2015.

On 1 July 2016, Victoria adopted the provisions of the NECF related rule that relate to small customer connections (Chapter 5A and related provisions). Victoria has not adopted the Retail Market provisions in Chapter 6B of the Rules.

The NECF related Rule does not apply in Western Australia or the Northern Territory until the National Energy Retail Law set out in the Schedule to the National Energy Retail Law (South Australia) Act 2011 is implemented as a law in that jurisdiction (clause 24, Part 11, Schedule 3 NEL).

The NECF related Rule can be found on the Australian Energy Market Commission's website under the 'National Electricity Rules', 'Rules made by the SA Ministers' tabs.

## **Provisions in force**

All provisions displayed in this consolidated version of the Rules have commenced. As at the date of this consolidation the Australian Energy Market Commission has made the following Rules under Part 7 Division 3 of the NEL that have not yet commenced:

Schedule 2 of the National Electricity Amendment (Common definitions of distribution reliability measures) Rule 2015 No. 10 commences operation on 30 June 2017.

Schedule 1 of the National Electricity Amendment (Register of Large Generator connections) Rule 2016 No. 7 commences operation on 1 July 2017.

Schedules 1 and 2 of the National Electricity Amendment (Demand Response Mechanism and Ancillary Services Unbundling) Rule 2016 No. 10 commence operation on 1 July 2017.

Schedule 1 of the National Electricity Amendment (Local Generation Network Credits) Rule 2016 No. 12 commences operation on 1 July 2017.

Schedule 1 of the National Electricity Amendment (Application of Offsets in the Prudential Margin Calculation) Rule 2016 No. 8 commences operation on 20 October 2017.

Schedule 2 of the National Electricity Amendment (Extension of the Reliability and Emergency Reserve Trader) Rule 2016 No. 5 will commence operation on 1 November 2017.

Schedules 2, 3 and 4 of the National Electricity Amendment (Expanding competition in metering and related services) Rule 2015 No. 12 commences operation on 1 December 2017.

Schedules 2, 4 and 5 of the National Electricity Amendment (Embedded Networks) Rule 2015 No. 15 will commence operation on 1 December 2017 immediately after Schedules 2,3 and 4 of the National Electricity Amendment (Expanding Competition in metering and related services) Rule 2015 No. 12.

Schedule 1 of the National Electricity Amendment (Meter Replacement Processes) Rule 2016 No. 2 will commence operation on 1 December 2017.

Schedule 2 of the National Electricity Amendment (Updating the electricity B2B framework) Rule 2016 No. 6 will commence on 1 December 2017 immediately prior to Schedules 2, 3 and 4 of the National Electricity Amendment (Expanding competition in metering and related services) Rule 2015 No.12.

Schedules 3 and 4 of the National Electricity Amendment (Updating the electricity B2B framework) Rule 2016 No. 6 will commence on 1 December 2017.

## TABLE OF CONTENTS

<b>1.</b>	<b>Introduction.....</b>	<b>3</b>
<b>1.1</b>	<b>Preliminary.....</b>	<b>3</b>
1.1.1	References to the Rules.....	3
1.1.2	Italicised expressions .....	3
1.1.3	[Deleted] .....	3
<b>1.2</b>	<b>Background .....</b>	<b>3</b>
<b>1.3</b>	<b>Nomenclature of and references to provisions of a Chapter.....</b>	<b>3</b>
1.3.1	Introduction.....	3
1.3.2	Parts, Divisions and Subdivisions.....	3
1.3.3	Rules, clauses, paragraphs, subparagraphs and other items.....	4
<b>1.4</b>	<b>Effect of renumbering of provisions of the Rules .....</b>	<b>5</b>
<b>1.5</b>	<b>[Deleted].....</b>	<b>5</b>
<b>1.6</b>	<b>[Deleted].....</b>	<b>5</b>
<b>1.7</b>	<b>Interpretation .....</b>	<b>5</b>
1.7.1	General .....	5
<b>1.8</b>	<b>Notices .....</b>	<b>6</b>
1.8.1	Service of notices under the Rules.....	6
1.8.2	Time of service .....	7
1.8.3	Counting of days .....	7
1.8.4	Reference to addressee.....	7
<b>1.9</b>	<b>Retention of Records and Documents .....</b>	<b>8</b>
<b>1.10</b>	<b>[Deleted].....</b>	<b>8</b>
<b>1.11</b>	<b>AEMO Rule Funds .....</b>	<b>8</b>
<b>2.</b>	<b>Registered Participants and Registration.....</b>	<b>13</b>
<b>2.1</b>	<b>Registered Participants .....</b>	<b>13</b>
2.1.1	Purpose.....	13
2.1.2	General.....	13
<b>2.2</b>	<b>Generator.....</b>	<b>13</b>
2.2.1	Registration as a Generator.....	13
2.2.2	Scheduled Generator .....	14
2.2.3	Non-Scheduled Generator.....	15
2.2.4	Market Generator .....	16
2.2.5	Non-Market Generator.....	17
2.2.6	Ancillary services generating unit .....	17
2.2.7	Semi-Scheduled Generator .....	19
<b>2.3</b>	<b>Customer.....</b>	<b>21</b>
2.3.1	Registration as a Customer .....	21
2.3.2	First-Tier Customer.....	21
2.3.3	Second-Tier Customer .....	22

2.3.4	Market Customer .....	22
2.3.5	Ancillary services load.....	23
<b>2.3A</b>	<b>Small Generation Aggregator .....</b>	<b>25</b>
2.3A.1	Registration .....	25
<b>2.4</b>	<b>Market Participant .....</b>	<b>26</b>
2.4.1	Registration as a category of Market Participant .....	26
2.4.2	Eligibility .....	26
<b>2.4A</b>	<b>Metering Coordinator .....</b>	<b>27</b>
2.4A.1	Registration as a Metering Coordinator .....	27
2.4A.2	Eligibility .....	27
<b>2.5</b>	<b>Network Service Provider .....</b>	<b>28</b>
2.5.1	Registration as a Network Service Provider .....	28
2.5.2	Market Network Service .....	30
2.5.3	Scheduled Network Service.....	31
<b>2.5A</b>	<b>Trader .....</b>	<b>32</b>
<b>2.5B</b>	<b>Reallocator.....</b>	<b>33</b>
<b>2.6</b>	<b>Special Participant .....</b>	<b>33</b>
<b>2.7</b>	<b>Intention to Commence Activities or Functions.....</b>	<b>33</b>
<b>2.8</b>	<b>Registered Participant Rights and Obligations.....</b>	<b>34</b>
2.8.1	Rights and obligations.....	34
<b>2.9</b>	<b>Application to be Registered as a Registered Participant.....</b>	<b>34</b>
2.9.1	Applications for Registration .....	34
2.9.2	Registration as a Registered Participant .....	35
2.9.3	Registration as an Intermediary .....	35
<b>2.9A</b>	<b>Transfer of Registration .....</b>	<b>37</b>
2.9A.1	Definitions.....	37
2.9A.2	Applications for Transfer of Registration .....	37
2.9A.3	Approval for Transfer of Registration .....	37
<b>2.10</b>	<b>Ceasing to be a Registered Participant .....</b>	<b>38</b>
2.10.1	Notification of intention.....	38
2.10.2	Ceasing Participation .....	40
2.10.3	Liability after cessation.....	40
<b>2.11</b>	<b>Participant Fees.....</b>	<b>40</b>
2.11.1	Development of Participant fee structure .....	40
2.11.2	Payment of Participant fees .....	43
2.11.3	Budgeted revenue requirements.....	44
<b>2.12</b>	<b>Interpretation of References to Various Registered Participants .....</b>	<b>45</b>
<b>2A.</b>	<b>Regional Structure .....</b>	<b>51</b>
<b>Part A</b>	<b>Region change applications and region determinations by AEMC .....</b>	<b>51</b>
<b>2A.1</b>	<b>Introduction to Chapter 2A .....</b>	<b>51</b>
2A.1.1	Definitions.....	51

2A.1.2	AEMC determination of regions.....	51
2A.1.3	Publication of regions by AEMO .....	51
<b>2A.2</b>	<b>Region change applications .....</b>	<b>51</b>
2A.2.1	A complete region change application.....	51
2A.2.2	Identifying a congestion problem .....	52
2A.2.3	Explanation of economic efficiency of proposed region solution .....	52
2A.2.4	Region change application must be technically competent .....	53
2A.2.5	Alternative congestion management options .....	53
2A.2.6	Previous application relating to congestion problem.....	54
2A.2.7	AEMO to provide information to intending applicants .....	54
2A.2.8	AEMC may refuse to accept incomplete applications .....	55
<b>2A.3</b>	<b>Acceptance of region change application by AEMC .....</b>	<b>55</b>
2A.3.1	Acceptance of a region change application by AEMC.....	55
2A.3.2	Preliminary consultation prior to acceptance of a region change application.....	56
<b>2A.4</b>	<b>First round consultation on region change application.....</b>	<b>57</b>
2A.4.1	Notice of first round consultation .....	57
2A.4.2	Right to make written submissions during first round consultation period .....	57
2A.4.3	Alternative region solution put forward by third parties .....	57
2A.4.4	Acceptance as a formal alternative region solution by AEMC.....	58
<b>2A.5</b>	<b>Provision of supplementary economic analysis .....</b>	<b>59</b>
2A.5.1	AEMC may direct provision of supplementary analysis .....	59
2A.5.2	AEMC may direct AEMO to provide information .....	59
<b>2A.6</b>	<b>Region determinations.....</b>	<b>60</b>
2A.6.1	AEMC powers to make a region determination .....	60
2A.6.2	Matters for consideration in making region determination.....	60
<b>2A.7</b>	<b>Draft region determination and second round consultation.....</b>	<b>61</b>
2A.7.1	Publishing of draft region determination .....	61
2A.7.2	Second round consultation.....	61
2A.7.3	Right to make written submissions during second round consultation .....	62
<b>2A.8</b>	<b>Final region determination.....</b>	<b>62</b>
2A.8.1	Final determination for region change .....	62
2A.8.2	Formal publication of region determination .....	62
<b>2A.9</b>	<b>Miscellaneous matters for region change process.....</b>	<b>62</b>
2A.9.1	AEMC may extend periods of time specified in Chapter 2A .....	62
2A.9.2	Consultation meeting in relation to region change application .....	63
<b>Part B</b>	<b>Implementation of region determination.....</b>	<b>63</b>
<b>2A.10</b>	<b>Purpose and application of Part B .....</b>	<b>63</b>
2A.10.1	Purpose of Part B .....	63
2A.10.2	Application of Part B .....	64
<b>2A.11</b>	<b>Region Change Implementation Procedure .....</b>	<b>64</b>
2A.11.1	Submission of draft Region Change Implementation Procedure.....	64
2A.11.2	Approved Region Change Implementation Procedure .....	64

<b>2A.12</b>	<b>AEMO region change implementation functions.....</b>	<b>65</b>
2A.12.1	General implementation functions .....	65
2A.12.2	Implementation functions referable to published implementation procedure.....	65
2A.12.3	Amendment of current or subsequent Regions and Loss Factors Publication .....	65
<b>2A.13</b>	<b>Continuity of regions .....</b>	<b>65</b>
<b>Schedule 2A.1</b>	<b>Glossary for Chapter 2A .....</b>	<b>66</b>

<b>3.</b>	<b>Market Rules .....</b>	<b>71</b>
<b>3.1</b>	<b>Introduction to Market Rules .....</b>	<b>71</b>
3.1.1	Purpose.....	71
3.1.1A	Definitions.....	71
3.1.2	[Deleted] .....	72
3.1.3	[Deleted] .....	72
3.1.4	Market design principles.....	72
3.1.5	Time for undertaking action.....	73
<b>3.2</b>	<b>AEMO's Market Responsibilities.....</b>	<b>73</b>
3.2.1	Market functions of AEMO .....	73
3.2.2	Spot market .....	74
3.2.3	Power system operations.....	74
3.2.4	Non-market ancillary services function .....	74
3.2.5	[Deleted] .....	75
3.2.6	Settlements.....	75
<b>3.3</b>	<b>Prudential Requirements .....</b>	<b>75</b>
3.3.1	Market Participant criteria .....	75
3.3.2	Credit support.....	75
3.3.3	Acceptable credit criteria .....	76
3.3.4	Acceptable credit rating .....	77
3.3.4A	Prudential standard.....	77
3.3.5	Amount of credit support .....	77
3.3.6	Changes to credit support.....	77
3.3.7	Drawings on credit support.....	78
3.3.8	Credit limit procedures and prudential settings .....	79
3.3.8A	Security Deposits .....	81
3.3.9	Outstandings .....	81
3.3.10	Trading limit .....	82
3.3.11	Call notices.....	82
3.3.12	Typical accrual.....	83
3.3.13	Response to Call Notices .....	83
3.3.13A	Application of monies in the security deposit fund .....	84
3.3.14	Potential value of a transaction .....	85
3.3.15	Trading margin.....	86
3.3.16	Limitation on entry of transactions .....	86
3.3.17	Scheduled prices .....	86
3.3.18	Additional credit support .....	87
3.3.19	Consideration of other Market Participant transactions .....	87

<b>3.4</b>	<b>Spot Market.....</b>	<b>88</b>
3.4.1	Establishment of spot market.....	88
3.4.2	Trading day and trading interval.....	88
3.4.3	Spot market operations timetable.....	88
<b>3.5</b>	<b>Regions .....</b>	<b>89</b>
3.5.1	[Deleted] .....	89
3.5.2	[Deleted] .....	89
3.5.3	[Deleted] .....	89
3.5.4	[Deleted] .....	89
3.5.5	[Deleted] .....	89
3.5.6	Abolition of Snowy region.....	89
<b>3.6</b>	<b>Network Losses and Constraints .....</b>	<b>90</b>
3.6.1	Inter-regional losses .....	90
3.6.2	Intra-regional losses .....	91
3.6.2A	Load and generation data used to determine inter-regional loss factor equations and intra-regional loss factors .....	95
3.6.3	Distribution losses.....	97
3.6.4	Network constraints .....	101
3.6.5	Settlements residue due to network losses and constraints.....	102
<b>3.7</b>	<b>Projected Assessment of System Adequacy .....</b>	<b>104</b>
3.7.1	Administration of PASA.....	104
3.7.2	Medium term PASA .....	105
3.7.3	Short term PASA .....	107
<b>3.7A</b>	<b>Congestion information resource .....</b>	<b>110</b>
<b>3.7B</b>	<b>Unconstrained intermittent generation forecast .....</b>	<b>113</b>
<b>3.7C</b>	<b>Energy Adequacy Assessment Projection.....</b>	<b>114</b>
<b>3.7D</b>	<b>Demand side participation information.....</b>	<b>117</b>
<b>3.8</b>	<b>Central Dispatch and Spot Market Operation.....</b>	<b>120</b>
3.8.1	Central Dispatch.....	120
3.8.2	Participation in central dispatch.....	122
3.8.3	Bid and offer aggregation guidelines .....	123
3.8.3A	Ramp rates .....	124
3.8.4	Notification of scheduled capacity.....	127
3.8.5	Submission timing .....	128
3.8.6	Generating unit offers for dispatch .....	128
3.8.6A	Scheduled network service offers for dispatch .....	131
3.8.7	Bids for scheduled load.....	132
3.8.7A	Market ancillary services offers .....	134
3.8.8	Validation of dispatch bids and offers .....	135
3.8.9	Default offers and bids .....	136
3.8.10	Network constraints .....	137
3.8.11	Ancillary services constraints .....	139
3.8.12	System scheduled reserve constraints .....	139
3.8.13	Notification of constraints.....	139
3.8.14	Dispatch under conditions of supply scarcity .....	139
3.8.15	[Deleted] .....	140
3.8.16	Equal priced dispatch bids and dispatch offers.....	140

3.8.17	Self-commitment.....	140
3.8.18	Self-decommitment.....	141
3.8.19	Dispatch inflexibilities .....	141
3.8.20	Pre-dispatch schedule.....	144
3.8.21	On-line dispatch process .....	146
3.8.22	Rebidding.....	147
3.8.22A	Offers, bids and rebids must not be false or misleading .....	150
3.8.23	Failure to conform to dispatch instructions .....	151
3.8.24	Scheduling errors .....	153
<b>3.9</b>	<b>Price Determination.....</b>	<b>154</b>
3.9.1	Principles applicable to spot price determination .....	154
3.9.2	Determination of spot prices .....	155
3.9.2A	Determination of ancillary services prices.....	157
3.9.2B	Pricing where AEMO determines a manifestly incorrect input.....	158
3.9.3	Pricing in the event of intervention by AEMO .....	159
3.9.3A	Reliability standard and settings review .....	160
3.9.3B	Reliability standard and settings review report.....	162
3.9.3C	Reliability standard .....	162
3.9.3D	Implementation of the reliability standard .....	163
3.9.4	Market Price Cap .....	164
3.9.5	Application of the Market Price Cap .....	165
3.9.6	Market Floor Price .....	165
3.9.6A	Application of the Market Floor Price .....	166
3.9.7	Pricing for constrained-on scheduled generating units.....	166
<b>3.10</b>	<b>[Deleted].....</b>	<b>166</b>
<b>3.11</b>	<b>Ancillary Services.....</b>	<b>166</b>
3.11.1	Introduction.....	166
3.11.2	Market ancillary services .....	167
3.11.3	Acquisition of Network Support and Control Ancillary Service .....	169
3.11.4	Guidelines and objectives for acquisition of network support and control ancillary services .....	169
3.11.5	Tender process for network support and control ancillary services .....	170
3.11.6	Dispatch of network support and control ancillary services by AEMO.....	172
3.11.7	Guidelines and objectives for acquisition of system restart ancillary services by AEMO .....	173
3.11.8	Determination of electrical sub-network boundaries.....	174
3.11.9	Acquisition of system restart ancillary services by AEMO .....	174
3.11.10	Reporting.....	176
<b>3.12</b>	<b>Market Intervention by AEMO.....</b>	<b>176</b>
3.12.1	Intervention settlement timetable.....	176
3.12.2	Affected Participants and Market Customers entitlements to compensation in relation to AEMO intervention.....	177
3.12.3	Role of the Independent Expert in calculating payments in relation to intervention by AEMO .....	181
<b>3.12A</b>	<b>Mandatory restrictions .....</b>	<b>184</b>
3.12A.1	Restriction offers.....	184
3.12A.2	Mandatory restrictions schedule .....	186

3.12A.3	Acquisition of capacity .....	186
3.12A.4	Rebid of capacity under restriction offers.....	187
3.12A.5	Dispatch of restriction offers .....	187
3.12A.6	Pricing during a restriction price trading interval .....	187
3.12A.7	Determination of funding restriction shortfalls.....	188
3.12A.8	Cancellation of a mandatory restriction period.....	193
3.12A.9	Review by AEMC.....	193
<b>3.13</b>	<b>Market Information.....</b>	<b>194</b>
3.13.1	Provision of information .....	194
3.13.2	Systems and procedures.....	194
3.13.3	Standing data.....	196
3.13.4	Spot market .....	203
3.13.4A	Market ancillary services .....	207
3.13.5	Ancillary services contracting by AEMO .....	208
3.13.5A	Settlements residue auctions .....	208
3.13.6	[Deleted] .....	209
3.13.6A	Report by AEMO.....	209
3.13.7	Monitoring of significant variation between forecast and actual prices by AER .....	209
3.13.8	Public information .....	211
3.13.9	[Deleted] .....	211
3.13.10	Market auditor.....	211
3.13.11	[Deleted] .....	212
3.13.12	NMI Standing Data .....	212
3.13.12A	NMI Standing Data Schedule .....	216
3.13.13	Inter-network tests .....	217
3.13.14	Carbon Dioxide Equivalent Intensity Index .....	217
<b>3.14</b>	<b>Administered Price Cap and Market Suspension.....</b>	<b>221</b>
3.14.1	Cumulative Price Threshold and Administered Price Cap .....	221
3.14.2	Application of Administered Price Cap .....	222
3.14.3	Conditions for suspension of the spot market.....	223
3.14.4	Declaration of market suspension .....	225
3.14.5	Pricing during market suspension .....	225
3.14.6	Compensation due to the application of an administered price cap or administered floor price.....	228
<b>3.15</b>	<b>Settlements.....</b>	<b>233</b>
3.15.1	Settlements management by AEMO .....	233
3.15.2	Electronic funds transfer .....	234
3.15.3	Connection point and virtual transmission node responsibility .....	234
3.15.4	Adjusted energy amounts connection points .....	234
3.15.5	Adjusted energy - transmission network connection points .....	235
3.15.5A	Adjusted energy - virtual transmission nodes .....	235
3.15.6	Spot market transactions .....	236
3.15.6A	Ancillary service transactions .....	236
3.15.7	Payment to Directed Participants .....	249
3.15.7A	Payment to Directed Participants for services other than energy and market ancillary services.....	251
3.15.7B	Claim for additional compensation by Directed Participants .....	254
3.15.8	Funding of Compensation for directions .....	256

3.15.9	Reserve settlements.....	261
3.15.10	Administered price cap or administered floor price compensation payments .....	263
3.15.10A	Goods and services tax.....	264
3.15.10B	Restriction contract amounts.....	265
3.15.10C	Intervention Settlements .....	266
3.15.11	Reallocation transactions .....	269
3.15.11A	Reallocation procedures .....	271
3.15.12	Settlement amount .....	271
3.15.13	Payment of settlement amount.....	272
3.15.14	Preliminary statements.....	272
3.15.15	Final statements .....	273
3.15.15A	Use of estimated settlement amounts by AEMO .....	273
3.15.16	Payment by market participants.....	273
3.15.17	Payment to market participants.....	274
3.15.18	Disputes.....	274
3.15.19	Revised Statements and Adjustments .....	274
3.15.20	Payment of adjustments .....	276
3.15.21	Default procedure.....	277
3.15.22	Maximum total payment in respect of a billing period.....	282
3.15.23	Maximum total payment in respect of a financial year.....	283
3.15.24	Compensation for reductions under clause 3.15.23 .....	284
3.15.25	Interest on overdue amounts .....	285
<b>3.16</b>	<b>Participant compensation fund.....</b>	<b>285</b>
3.16.1	Establishment of Participant compensation fund.....	285
3.16.2	Dispute resolution panel to determine compensation .....	286
<b>3.17</b>	<b>[Deleted] .....</b>	<b>287</b>
<b>3.18</b>	<b>Settlements Residue Auctions .....</b>	<b>287</b>
3.18.1	Settlements residue concepts .....	287
3.18.2	Auctions and eligible persons .....	288
3.18.3	Auction rules .....	289
3.18.4	Proceeds and fees .....	290
3.18.5	Settlement residue committee .....	291
<b>3.19</b>	<b>Market Management Systems Access Procedures.....</b>	<b>293</b>
<b>3.20</b>	<b>Reliability and Emergency Reserve Trader .....</b>	<b>294</b>
3.20.1	[Deleted] .....	294
3.20.2	Reliability and emergency reserve trader .....	294
3.20.3	Reserve contracts .....	295
3.20.4	Dispatch pricing methodology for unscheduled reserve contracts .....	296
3.20.5	AEMO's risk management and accounts relating to the reliability safety net .....	296
3.20.6	Reporting on RERT by AEMO.....	296
3.20.7	AEMO's exercise of the RERT .....	297
3.20.8	RERT Guidelines .....	299
3.20.9	[Deleted] .....	299
<b>Schedule 3.1</b>	<b>Bid and Offer Validation Data.....</b>	<b>299</b>
	Scheduled Generating Unit Data:.....	300
	Semi-Scheduled Generating Unit Data: .....	301

Scheduled Load Data: .....	301
Scheduled Network Service Data:.....	302
Ancillary Service Generating Unit and Ancillary Service Load Data: .....	302
Dispatch Inflexibility Profile:.....	303
Aggregation Data: .....	303
<b>Schedule 3.2 [Deleted] .....</b>	<b>303</b>
<b>Schedule 3.3 [Deleted].....</b>	<b>303</b>
<b>4. Power System Security .....</b>	<b>307</b>
<b>4.1 Introduction.....</b>	<b>307</b>
4.1.1 Purpose.....	307
<b>4.2 Definitions and Principles .....</b>	<b>307</b>
4.2.1 [Deleted] .....	308
4.2.2 Satisfactory Operating State .....	308
4.2.3 Credible and non-credible contingency events and protected events .....	308
4.2.3A Re-classifying contingency events.....	309
4.2.3B Criteria for re-classifying contingency events .....	311
4.2.4 Secure operating state and power system security.....	311
4.2.5 Technical envelope .....	312
4.2.6 General principles for maintaining power system security.....	313
4.2.7 Reliable Operating State .....	313
4.2.8 Time for undertaking action.....	314
<b>4.3 Power System Security Responsibilities and Obligations .....</b>	<b>314</b>
4.3.1 Responsibility of AEMO for power system security .....	314
4.3.2 System security .....	316
4.3.3 The role of System Operators .....	319
4.3.4 Network Service Providers .....	321
4.3.5 Market Customer obligations.....	324
<b>4.4 Power System Frequency Control.....</b>	<b>325</b>
4.4.1 Power system frequency control responsibilities.....	325
4.4.2 Operational frequency control requirements .....	325
4.4.3 Generator protection requirements .....	325
<b>4.5 Control of Power System Voltage.....</b>	<b>326</b>
4.5.1 Power system voltage control .....	326
4.5.2 Reactive power reserve requirements .....	327
4.5.3 Audit and testing .....	327
<b>4.6 Protection of Power System Equipment .....</b>	<b>327</b>
4.6.1 Power system fault levels.....	327
4.6.2 Power system protection co-ordination .....	328
4.6.3 Audit and testing .....	328
4.6.4 Short-term thermal ratings of power system.....	328
4.6.5 Partial outage of power protection systems .....	328
<b>4.7 Power System Stability Co-ordination.....</b>	<b>329</b>
4.7.1 Stability analysis co-ordination.....	329
4.7.2 Audit and testing .....	329

<b>4.8</b>	<b>Power System Security Operations .....</b>	<b>329</b>
4.8.1	Registered Participants' advice .....	329
4.8.2	Protection or control system abnormality .....	330
4.8.3	AEMO's advice on power system emergency conditions .....	330
4.8.4	Declaration of conditions .....	330
4.8.5	Managing declarations of conditions .....	331
4.8.5A	Determination of the latest time for AEMO intervention .....	332
4.8.5B	Notifications of last time of AEMO intervention .....	333
4.8.6	[Deleted] .....	333
4.8.7	Managing a power system contingency event .....	333
4.8.8	[Deleted] .....	333
4.8.9	Power to issue directions and clause 4.8.9 instructions .....	333
4.8.9A	System security directions .....	336
4.8.10	Disconnection of generating units and market network services.....	336
4.8.11	[Deleted] .....	336
4.8.12	System restart plan and local black system procedures .....	336
4.8.13	[Deleted] .....	338
4.8.14	Power system restoration .....	338
4.8.15	Review of operating incidents .....	338
<b>4.9</b>	<b>Power System Security Related Market Operations .....</b>	<b>340</b>
4.9.1	Load forecasting.....	340
4.9.2	Instructions to Scheduled Generators and Semi-Scheduled Generators .....	341
4.9.2A	Dispatch Instructions to Scheduled Network Service Providers .....	342
4.9.3	Instructions to Registered Participants.....	343
4.9.3A	Ancillary services instructions .....	343
4.9.3B	Compliance with dispatch instructions .....	344
4.9.4	Dispatch related limitations on Scheduled Generators and Semi-Scheduled Generators.....	344
4.9.4A	Dispatch related limitations on Scheduled Network Service Providers .....	346
4.9.5	Form of dispatch instructions.....	347
4.9.6	Commitment of scheduled generating units .....	348
4.9.7	De-commitment, or output reduction, by Scheduled Generators .....	349
4.9.8	General responsibilities of Registered Participants .....	350
4.9.9	Scheduled Generator plant changes .....	351
4.9.9A	Scheduled Network Service Provider plant changes .....	351
4.9.9B	Ancillary service plant changes .....	351
<b>4.10</b>	<b>Power System Operating Procedures.....</b>	<b>352</b>
4.10.1	Power system operating procedures.....	352
4.10.2	Transmission network operations .....	352
4.10.3	Operating interaction with distribution networks .....	353
4.10.4	Switching of a Distributor's high voltage networks.....	353
4.10.5	Switching of reactive power facilities.....	354
4.10.6	Automatic reclose .....	354
4.10.7	Inspection of facilities by AEMO .....	355
<b>4.11</b>	<b>Power System Security Support .....</b>	<b>355</b>
4.11.1	Remote control and monitoring devices .....	355
4.11.2	Operational control and indication communication facilities .....	356

4.11.3	Power system voice/data operational communication facilities .....	357
4.11.4	Records of power system operational communication .....	359
4.11.5	Agent communications .....	359
<b>4.12</b>	<b>Nomenclature Standards.....</b>	<b>360</b>
<b>4.13</b>	<b>[Deleted] .....</b>	<b>361</b>
<b>4.14</b>	<b>Acceptance of Performance Standards.....</b>	<b>361</b>
<b>4.15</b>	<b>Compliance with Performance Standards.....</b>	<b>362</b>
<b>4.16</b>	<b>Transitioning arrangements for establishment of performance standards.....</b>	<b>367</b>
4.16.1	Definitions.....	367
4.16.2	Exclusions .....	369
4.16.3	Notification and acceptance of performance standards .....	369
4.16.4	Actual capability .....	374
4.16.5	Criteria for, and negotiation of, performance standards .....	375
4.16.6	Consultation with and assistance by Network Service Providers .....	378
4.16.7	Referral to expert determination .....	378
4.16.8	Prior actions .....	379
4.16.9	Deemed performance standards .....	379
4.16.10	Modification of connection agreements.....	380
<b>4.17</b>	<b>Expert determination.....</b>	<b>380</b>
4.17.1	Performance standards committee and appointment of performance standards experts .....	380
4.17.2	Referral to performance standards expert .....	382
4.17.3	Determinations of performance standards experts.....	382
4.17.4	Other matters.....	383
<b>5.</b>	<b>Network Connection, Planning and Expansion .....</b>	<b>387</b>
<b>Part A</b>	<b>Network Connection .....</b>	<b>387</b>
<b>5.1</b>	<b>Statement of Purpose .....</b>	<b>387</b>
5.1.1	[Deleted] .....	387
5.1.2	Purpose and Application .....	387
5.1.3	Principles.....	389
<b>5.2</b>	<b>Obligations.....</b>	<b>390</b>
5.2.1	Obligations of Registered Participants.....	390
5.2.2	Connection agreements .....	390
5.2.3	Obligations of network service providers .....	391
5.2.4	Obligations of customers .....	395
5.2.5	Obligations of Generators .....	396
5.2.6	Obligations of AEMO .....	397
<b>5.3</b>	<b>Establishing or Modifying Connection .....</b>	<b>397</b>
5.3.1	Process and procedures .....	397
5.3.1A	Application of rule to connection of embedded generating units .....	398
5.3.2	Connection enquiry .....	398
5.3.3	Response to connection enquiry .....	399
5.3.4	Application for connection .....	402

5.3.4A	Negotiated access standards.....	403
5.3.5	Preparation of offer to connect .....	405
5.3.6	Offer to connect .....	406
5.3.7	Finalisation of connection agreements.....	410
5.3.7A	Application for connection to declared shared network .....	411
5.3.8	Provision and use of information.....	412
5.3.9	Procedure to be followed by a Generator proposing to alter a generating system.....	413
5.3.10	Acceptance of performance standards for generating plant that is altered.....	415
5.3.11	Notification of request to change normal voltage.....	415
<b>5.3A</b>	<b>Establishing or modifying connection - embedded generation.....</b>	<b>416</b>
5.3A.1	Application of rule 5.3A .....	416
5.3A.2	Definitions and miscellaneous .....	416
5.3A.3	Publication of Information.....	417
5.3A.4	Fees .....	419
5.3A.5	Enquiry.....	420
5.3A.6	Response to Enquiry .....	421
5.3A.7	Preliminary Response to Enquiry .....	421
5.3A.8	Detailed Response to Enquiry.....	422
5.3A.9	Application for connection .....	423
5.3A.10	Preparation of offer to connect .....	424
5.3A.11	Technical Dispute .....	425
<b>5.4</b>	<b>Design of Connected Equipment .....</b>	<b>425</b>
5.4.1	Application.....	425
5.4.2	Advice of inconsistencies .....	425
5.4.3	Additional information.....	426
5.4.4	Advice on possible non-compliance .....	426
5.4.5	Register of completed embedded generation projects .....	426
<b>5.4A</b>	<b>Access arrangements relating to Transmission Networks .....</b>	<b>427</b>
<b>5.4AA</b>	<b>Network support payments and functions.....</b>	<b>430</b>
<b>5.5</b>	<b>Access arrangements relating to Distribution Networks .....</b>	<b>430</b>
<b>5.5A</b>	<b>[Deleted] .....</b>	<b>434</b>
<b>5.6</b>	<b>[Deleted] .....</b>	<b>434</b>
<b>5.6A</b>	<b>[Deleted] .....</b>	<b>434</b>
<b>5.7</b>	<b>Inspection and Testing.....</b>	<b>434</b>
5.7.1	Right of entry and inspection .....	434
5.7.2	Right of testing.....	436
5.7.3	Tests to demonstrate compliance with connection requirements for generators .....	438
5.7.4	Routine testing of protection equipment.....	439
5.7.5	Testing by Registered Participants of their own plant requiring changes to normal operation .....	441
5.7.6	Tests of generating units requiring changes to normal operation .....	443
5.7.7	Inter-network power system tests .....	444
<b>5.8</b>	<b>Commissioning .....</b>	<b>451</b>

5.8.1	Requirement to inspect and test equipment .....	451
5.8.2	Co-ordination during commissioning .....	452
5.8.3	Control and protection settings for equipment.....	452
5.8.4	Commissioning program.....	453
5.8.5	Commissioning tests .....	454
<b>5.9</b>	<b>Disconnection and Reconnection .....</b>	<b>455</b>
5.9.1	Voluntary disconnection .....	455
5.9.2	Decommissioning procedures .....	455
5.9.3	Involuntary disconnection.....	456
5.9.4	Direction to disconnect .....	456
5.9.4A	Notification of disconnection.....	457
5.9.5	Disconnection during an emergency.....	457
5.9.6	Obligation to reconnect.....	458
<b>Part B</b>	<b>Network Planning and Expansion.....</b>	<b>459</b>
<b>5.10</b>	<b>Network development generally .....</b>	<b>459</b>
5.10.1	Content of Part B .....	459
5.10.2	Definitions.....	460
5.10.3	Interpretation.....	464
<b>5.11</b>	<b>Forecasts of connection to transmission network and identification of system limitations.....</b>	<b>464</b>
5.11.1	Forecasts for connection to transmission network.....	464
5.11.2	Identification of network limitations .....	465
<b>5.12</b>	<b>Transmission annual planning process .....</b>	<b>465</b>
5.12.1	Transmission annual planning review .....	465
5.12.2	Transmission Annual Planning Report .....	466
<b>5.13</b>	<b>Distribution annual planning process .....</b>	<b>468</b>
5.13.1	Distribution annual planning review.....	468
5.13.2	Distribution Annual Planning Report .....	470
<b>5.13A</b>	<b>Distribution zone substation information .....</b>	<b>471</b>
<b>5.14</b>	<b>Joint planning.....</b>	<b>473</b>
5.14.1	Joint planning obligations of Transmission Network Service Providers and Distribution Network Service Providers .....	473
5.14.2	Joint planning obligations of Distribution Network Service Providers and Distribution Network Service Providers .....	475
<b>5.15</b>	<b>Regulatory investment tests generally .....</b>	<b>475</b>
5.15.1	Interested parties .....	475
5.15.2	Identification of a credible option.....	475
5.15.3	Review of costs thresholds.....	476
5.15.4	Costs determinations .....	479
<b>5.16</b>	<b>Regulatory investment test for transmission .....</b>	<b>479</b>
5.16.1	Principles.....	479
5.16.2	Regulatory investment test for transmission application guidelines.....	482
5.16.3	Investments subject to the regulatory investment test for transmission .....	484
5.16.4	Regulatory investment test for transmission procedures .....	485

5.16.5	Disputes in relation to application of regulatory investment test for transmission .....	491
5.16.6	Determination that preferred option satisfies the regulatory investment test for transmission.....	493
<b>5.17</b>	<b>Regulatory investment test for distribution .....</b>	<b>494</b>
5.17.1	Principles.....	494
5.17.2	Regulatory investment test for distribution application guidelines .....	497
5.17.3	Projects subject to the regulatory investment test for distribution.....	498
5.17.4	Regulatory investment test for distribution procedures .....	500
5.17.5	Disputes in relation to application of regulatory investment test for distribution .....	505
<b>5.18</b>	<b>Construction of funded augmentations.....</b>	<b>507</b>
<b>5.19</b>	<b>SENE Design and Costing Study .....</b>	<b>508</b>
5.19.1	Definitions.....	508
5.19.2	Interpretation.....	509
5.19.3	Request for SENE Design and Costing Study .....	509
5.19.4	Content of SENE Design and Costing Study.....	510
5.19.5	Co-operation of other Network Service Providers.....	511
5.19.6	Publication of SENE Design and Costing Study report.....	511
5.19.7	Provision and use of information .....	512
<b>5.20</b>	<b>National transmission planning .....</b>	<b>512</b>
5.20.1	Preliminary consultation .....	513
5.20.2	Publication of NTNDP.....	513
5.20.3	Development strategies for national transmission flow paths .....	516
5.20.4	NTNDP database .....	516
5.20.5	Jurisdictional planning bodies and jurisdictional planning representatives.....	517
5.20.6	NTP Functions .....	517
<b>5.20A</b>	<b>Frequency management planning .....</b>	<b>518</b>
5.20A.1	Power system frequency risk review .....	518
5.20A.2	Power system frequency risk review process .....	519
5.20A.3	Power system frequency risk review report.....	519
5.20A.4	Request for protected event declaration.....	520
5.20A.5	Request to revoke a protected event declaration.....	521
<b>5.21</b>	<b>AEMO's obligation to publish information and guidelines and provide advice.....</b>	<b>521</b>
<b>5.22</b>	<b>Last resort planning power .....</b>	<b>523</b>
<b>Schedule 5.1a</b>	<b>System standards .....</b>	<b>526</b>
S5.1a.1	Purpose.....	526
S5.1a.2	Frequency.....	527
S5.1a.3	System stability.....	527
S5.1a.4	Power frequency voltage.....	527
S5.1a.5	Voltage fluctuations .....	528
S5.1a.6	Voltage waveform distortion .....	528
S5.1a.7	Voltage unbalance.....	529
S5.1a.8	Fault clearance times.....	530

<b>Schedule 5.1</b>	<b>Network Performance Requirements to be Provided or Co-ordinated by Network Service Providers .....</b>	<b>531</b>
S5.1.1	Introduction.....	531
S5.1.2	Network reliability .....	532
S5.1.2.1	Credible contingency events .....	532
S5.1.2.2	Network service within a region .....	533
S5.1.2.3	Network service between regions .....	534
S5.1.3	Frequency variations .....	535
S5.1.4	Magnitude of power frequency voltage .....	535
S5.1.5	Voltage fluctuations .....	536
S5.1.6	Voltage harmonic or voltage notching distortion .....	537
S5.1.7	Voltage unbalance.....	538
S5.1.8	Stability.....	539
S5.1.9	Protection systems and fault clearance times.....	540
S5.1.10	Load, generation and network control facilities .....	544
S5.1.10.1	General.....	544
Clause S5.1.10.1a.....	Emergency frequency control schemes	544
S5.1.10.2	Distribution Network Service Providers .....	546
S5.1.10.3	Transmission Network Service Providers.....	546
S5.1.11	Automatic reclosure of transmission or distribution lines .....	546
S5.1.12	Rating of transmission lines and equipment .....	547
S5.1.13	Information to be provided .....	547
<b>Schedule 5.2</b>	<b>Conditions for Connection of Generators.....</b>	<b>548</b>
S5.2.1	Outline of requirements .....	548
S5.2.2	Application of Settings .....	549
S5.2.3	Technical matters to be coordinated .....	549
S5.2.4	Provision of information .....	550
S5.2.5	Technical requirements .....	553
S5.2.5.1	Reactive power capability.....	553
S5.2.5.2	Quality of electricity generated.....	554
S5.2.5.3	Generating unit response to frequency disturbances .....	555
S5.2.5.4	Generating system response to voltage disturbances.....	559
S5.2.5.5	Generating system response to disturbances following contingency events .....	560
S5.2.5.6	Quality of electricity generated and continuous uninterrupted operation .....	563
S5.2.5.7	Partial load rejection .....	564
S5.2.5.8	Protection of generating systems from power system disturbances .....	564
S5.2.5.9	Protection systems that impact on power system security .....	566
S5.2.5.10	Protection to trip plant for unstable operation .....	568
S5.2.5.11	Frequency control .....	569
S5.2.5.12	Impact on network capability.....	571
S5.2.5.13	Voltage and reactive power control .....	573
S5.2.5.14	Active power control.....	579
S5.2.6	Monitoring and control requirements .....	581
S5.2.6.1	Remote Monitoring.....	581
S5.2.6.2	Communications equipment .....	583
S5.2.7	Power station auxiliary supplies .....	584
S5.2.8	Fault current .....	584

<b>Schedule 5.3</b>	<b>Conditions for Connection of Customers .....</b>	<b>585</b>
S5.3.1a	Introduction to the schedule.....	585
S5.3.1	Information .....	586
S5.3.2	Design standards .....	588
S5.3.3	Protection systems and settings .....	588
S5.3.4	Settings of protection and control systems .....	589
S5.3.5	Power factor requirements .....	590
S5.3.6	Balancing of load currents .....	591
S5.3.7	Voltage fluctuations .....	592
S5.3.8	Harmonics and voltage notching .....	592
S5.3.9	Design requirements for Network Users' substations .....	592
S5.3.10	Load shedding facilities .....	593
<b>Schedule 5.3a</b>	<b>Conditions for connection of Market Network Services .....</b>	<b>593</b>
S5.3a.1a	Introduction to the schedule.....	593
S5.3a.1	Provision of Information.....	595
S5.3a.2	Application of settings .....	596
S5.3a.3	Technical matters to be co-ordinated.....	597
S5.3a.4	Monitoring and control requirements .....	597
S5.3a.4.1	Remote Monitoring .....	597
S5.3a.4.2	[Deleted] .....	598
S5.3a.4.3	Communications equipment .....	598
S5.3a.5	Design standards .....	599
S5.3a.6	Protection systems and settings .....	599
S5.3a.7	[Deleted] .....	601
S5.3a.8	Reactive power capability .....	601
S5.3a.9	Balancing of load currents .....	601
S5.3a.10	Voltage fluctuations .....	602
S5.3a.11	Harmonics and voltage notching .....	602
S5.3a.12	Design requirements for Market Network Service Providers' substations.....	602
S5.3a.13	Market network service response to disturbances in the power system .....	603
S5.3a.14	Protection of market network services from power system disturbances.....	603
<b>Schedule 5.4</b>	<b>Information to be Provided with Preliminary Enquiry .....</b>	<b>604</b>
<b>Schedule 5.4A</b>	<b>Preliminary Response.....</b>	<b>605</b>
<b>Schedule 5.4B</b>	<b>Detailed Response to Enquiry.....</b>	<b>607</b>
<b>Schedule 5.5</b>	<b>Technical Details to Support Application for Connection and Connection Agreement .....</b>	<b>610</b>
S5.5.1	Introduction to the schedule.....	610
S5.5.2	Categories of data .....	610
S5.5.3	Review, change and supply of data.....	611
S5.5.4	Data Requirements.....	611
S5.5.5	Asynchronous generating unit data.....	611
S5.5.6	Generating units equal to or smaller than 30MW data .....	612
S5.5.7	Generating System Design Data Sheet, Generating System Setting Data Sheet and Generating System Model Guidelines .....	612
Schedule 5.5.1	[Deleted] .....	614

Schedule 5.5.2	[Deleted] .....	614
Schedule 5.5.3	Network and plant technical data of equipment at or near connection point.....	614
Schedule 5.5.4	Network Plant and Apparatus Setting Data .....	617
Schedule 5.5.5	Load Characteristics at Connection Point.....	619
<b>Schedule 5.6</b>	<b>Terms and Conditions of Connection agreements.....</b>	<b>620</b>
<b>Schedule 5.7</b>	<b>Annual Forecast Information for Planning Purposes .....</b>	<b>621</b>
<b>Schedule 5.8</b>	<b>Distribution Annual Planning Report.....</b>	<b>623</b>
<b>Schedule 5.9</b>	<b>Demand side engagement document (clause 5.13.1(h)) .....</b>	<b>629</b>
<b>Chapter 5A</b>	<b>Electricity connection for retail customers.....</b>	<b>633</b>
<b>Part A</b>	<b>Preliminary .....</b>	<b>633</b>
<b>5A.A.1</b>	<b>Definitions.....</b>	<b>633</b>
<b>5A.A.2</b>	<b>Application of this Chapter .....</b>	<b>636</b>
<b>5A.A.3</b>	<b>Small Generation Aggregator deemed to be agent of a retail customer.....</b>	<b>637</b>
<b>Part B</b>	<b>Standardised offers to provide basic and standard connection services .....</b>	<b>637</b>
<b>Division 1</b>	<b>Basic connection services.....</b>	<b>637</b>
5A.B.1	Obligation to have model standing offer to provide basic connection services .....	637
5A.B.2	Proposed model standing offer for basic connection services .....	638
<b>Division 2</b>	<b>Standard connection services .....</b>	<b>640</b>
5A.B.4	Standard connection services .....	640
5A.B.5	Approval of model standing offer to provide standard connection services.....	641
<b>Division 3</b>	<b>Miscellaneous.....</b>	<b>641</b>
5A.B.6	Amendment etc of model standing offer .....	641
5A.B.7	Publication of model standing offers .....	642
<b>Part C</b>	<b>Negotiated connection.....</b>	<b>642</b>
<b>5A.C.1</b>	<b>Negotiation of connection .....</b>	<b>642</b>
<b>5A.C.2</b>	<b>Process of negotiation .....</b>	<b>643</b>
<b>5A.C.3</b>	<b>Negotiation framework.....</b>	<b>643</b>
<b>5A.C.4</b>	<b>Fee to cover cost of negotiation.....</b>	<b>645</b>
<b>Part D</b>	<b>Application for connection service .....</b>	<b>646</b>
<b>Division 1</b>	<b>Information.....</b>	<b>646</b>
5A.D.1	Publication of information .....	646
5A.D.1A	Register of completed embedded generation projects .....	646
<b>Division 2</b>	<b>Preliminary enquiry.....</b>	<b>648</b>
5A.D.2	Preliminary enquiry .....	648
<b>Division 3</b>	<b>Applications .....</b>	<b>649</b>

5A.D.3	Application process.....	649
5A.D.4	Site inspection.....	650
<b>Part E</b>	<b>Connection charges.....</b>	<b>650</b>
<b>5A.E.1</b>	<b>Connection charge principles.....</b>	<b>650</b>
<b>5A.E.2</b>	<b>Itemised statement of connection charges .....</b>	<b>652</b>
<b>5A.E.3</b>	<b>Connection charge guidelines .....</b>	<b>652</b>
<b>5A.E.4</b>	<b>Payment of connection charges.....</b>	<b>654</b>
<b>Part F</b>	<b>Formation and integration of connection contracts .....</b>	<b>655</b>
<b>Division 1</b>	<b>Offer and acceptance – basic and standard connection services .....</b>	<b>655</b>
5A.F.1	Distribution Network Service Provider's response to application.....	655
5A.F.2	Acceptance of connection offer .....	655
5A.F.3	Offer and acceptance—application for expedited connection .....	655
<b>Division 2</b>	<b>Offer and acceptance – negotiated connection .....</b>	<b>656</b>
5A.F.4	Negotiated connection offer.....	656
<b>Division 3</b>	<b>Formation of contract.....</b>	<b>657</b>
5A.F.5	Acceptance of connection offer .....	657
<b>Division 4</b>	<b>Contractual performance.....</b>	<b>657</b>
5A.F.6	Carrying out connection work .....	657
5A.F.7	Retailer required for energisation where new connection .....	658
<b>Part G</b>	<b>Dispute resolution between Distribution Network Service Providers and customers .....</b>	<b>658</b>
<b>5A.G.1</b>	<b>Relevant disputes .....</b>	<b>658</b>
<b>5A.G.2</b>	<b>Determination of dispute .....</b>	<b>658</b>
<b>5A.G.3</b>	<b>Termination of proceedings .....</b>	<b>659</b>
<b>SCHEDULE 5A.1 – Minimum content requirements for connection contract.....</b>	<b>659</b>	
Part A	Connection offer not involving embedded generation.....	659
Part B	Connection offer involving embedded generation.....	660
<b>6</b>	<b>Economic Regulation of Distribution Services .....</b>	<b>665</b>
<b>Part A</b>	<b>Introduction.....</b>	<b>665</b>
<b>6.1</b>	<b>Introduction to Chapter 6 .....</b>	<b>665</b>
6.1.1	AER's regulatory responsibility .....	665
6.1.1A	[Deleted] .....	665
6.1.2	Structure of this Chapter .....	665
6.1.3	Access to direct control services and negotiated distribution services.....	666
6.1.4	Prohibition of DUOS charges for the export of energy .....	666
<b>Part B</b>	<b>Classification of Distribution Services and Distribution Determinations .....</b>	<b>667</b>
<b>6.2</b>	<b>Classification .....</b>	<b>667</b>
6.2.1	Classification of distribution services .....	667

6.2.2	Classification of direct control services as standard control services or alternative control services .....	668
6.2.3	Term for which classification operates .....	669
6.2.4	Duty of AER to make distribution determinations .....	669
6.2.5	Control mechanisms for direct control services.....	669
6.2.6	Basis of control mechanisms for direct control services .....	670
6.2.7	Negotiated distribution services.....	671
6.2.8	Guidelines .....	671
<b>Part C</b>	<b>Building Block Determinations for standard control services.....</b>	<b>672</b>
<b>6.3</b>	<b>Building block determinations.....</b>	<b>672</b>
6.3.1	Introduction.....	672
6.3.2	Contents of building block determination.....	672
<b>6.4</b>	<b>Post-tax revenue model.....</b>	<b>673</b>
6.4.1	Preparation, publication and amendment of post-tax revenue model.....	673
6.4.2	Contents of post-tax revenue model .....	673
6.4.3	Building block approach .....	673
6.4.4	Shared assets .....	675
6.4.5	Expenditure Forecast Assessment Guidelines .....	676
<b>6.4A</b>	<b>Capital expenditure incentive mechanisms .....</b>	<b>676</b>
<b>6.5</b>	<b>Matters relevant to the making of building block determinations.....</b>	<b>677</b>
6.5.1	Regulatory asset base .....	677
6.5.2	Return on capital .....	678
6.5.3	Estimated cost of corporate income tax .....	681
6.5.4	[Deleted] .....	682
6.5.5	Depreciation .....	682
6.5.6	Forecast operating expenditure .....	682
6.5.7	Forecast capital expenditure .....	685
6.5.8	Efficiency benefit sharing scheme .....	689
6.5.8A	Capital expenditure sharing scheme .....	690
6.5.9	The X factor .....	691
6.5.10	Pass through events .....	692
<b>6.6</b>	<b>Adjustments after making of building block determination. ....</b>	<b>692</b>
6.6.1	Cost pass through.....	692
6.6.1A	Reporting on jurisdictional schemes .....	699
6.6.2	Service target performance incentive scheme.....	700
6.6.3	Demand management incentive scheme .....	701
6.6.3A	Demand management innovation allowance mechanism .....	702
6.6.4	Small-scale incentive scheme .....	703
6.6.5	Reopening of distribution determination for capital expenditure .....	705
<b>6.6A</b>	<b>Contingent Projects .....</b>	<b>708</b>
6.6A.1	Acceptance of a contingent project in a distribution determination .....	708
6.6A.2	Amendment of distribution determination for contingent project .....	709
<b>Part D</b>	<b>Negotiated distribution services.....</b>	<b>714</b>
<b>6.7</b>	<b>Negotiated distribution services.....</b>	<b>714</b>
6.7.1	Principles relating to access to negotiated distribution services .....	714

6.7.2	Determination of terms and conditions of access for negotiated distribution services .....	716
6.7.3	Negotiating framework determination .....	717
6.7.4	Negotiated Distribution Service Criteria determination .....	717
6.7.5	Preparation of and requirements for negotiating framework for negotiated distribution services.....	717
6.7.6	Confidential information.....	719
<b>Part DA</b>	<b>Connection policies .....</b>	<b>720</b>
<b>6.7A</b>	<b>Connection policy requirements.....</b>	<b>720</b>
6.7A.1	Preparation of, and requirements for, connection policy .....	720
<b>Part E</b>	<b>Regulatory proposal and proposed tariff structure statement .....</b>	<b>721</b>
<b>6.8</b>	<b>Regulatory proposal and proposed tariff structure statement .....</b>	<b>721</b>
6.8.1	AER's framework and approach paper .....	721
6.8.1A	Notification of approach to forecasting expenditure .....	724
6.8.2	Submission of regulatory proposal and tariff structure statement .....	724
<b>6.9</b>	<b>Preliminary examination and consultation .....</b>	<b>726</b>
6.9.1	Preliminary examination .....	726
6.9.2	Resubmission of proposal .....	727
6.9.2A	Confidential information.....	727
6.9.3	Consultation .....	727
<b>6.10</b>	<b>Draft distribution determination and further consultation .....</b>	<b>728</b>
6.10.1	Making of draft distribution determination.....	728
6.10.2	Publication of draft determination and consultation .....	729
6.10.3	Submission of revised proposal .....	729
6.10.4	Submissions on specified matters .....	730
<b>6.11</b>	<b>Distribution determination .....</b>	<b>730</b>
6.11.1	Making of distribution determination .....	730
6.11.1A	Out of scope revised regulatory proposal or late submissions.....	731
6.11.2	Notice of distribution determination.....	732
6.11.3	Commencement of distribution determination .....	732
<b>6.12</b>	<b>Requirements relating to draft and final distribution determinations.....</b>	<b>732</b>
6.12.1	Constituent decisions .....	732
6.12.2	Reasons for decisions.....	735
6.12.3	Extent of AER's discretion in making distribution determinations .....	736
<b>6.13</b>	<b>Revocation and substitution of distribution determination for wrong information or error .....</b>	<b>737</b>
<b>6.14</b>	<b>Miscellaneous.....</b>	<b>738</b>
<b>6.14A</b>	<b>Distribution Confidentiality Guidelines.....</b>	<b>739</b>
<b>Part F</b>	<b>Cost Allocation .....</b>	<b>739</b>
<b>6.15</b>	<b>Cost allocation .....</b>	<b>739</b>
6.15.1	Duty to comply with Cost Allocation Method.....	739
6.15.2	Cost Allocation Principles .....	739
6.15.3	Cost Allocation Guidelines .....	740
6.15.4	Cost Allocation Method .....	741

<b>Part G</b>	<b>Distribution consultation procedures.....</b>	<b>742</b>
<b>6.16</b>	<b>Distribution consultation procedures.....</b>	<b>742</b>
<b>Part H</b>	<b>Ring-Fencing Arrangements for Distribution Network Service Providers.....</b>	<b>744</b>
<b>6.17</b>	<b>Distribution Ring-Fencing Guidelines .....</b>	<b>744</b>
6.17.1	Compliance with Distribution Ring-Fencing Guidelines .....	744
6.17.2	Development of Distribution Ring-Fencing Guidelines .....	744
<b>Part I</b>	<b>Distribution Pricing Rules.....</b>	<b>745</b>
<b>6.18</b>	<b>Distribution Pricing Rules.....</b>	<b>745</b>
6.18.1	Application of this Part .....	745
6.18.1A	Tariff structure statement.....	745
6.18.1B	Amending a tariff structure statement with the AER's approval .....	746
6.18.1C	Sub-threshold tariffs.....	747
6.18.2	Pricing proposals.....	748
6.18.3	Tariff classes .....	750
6.18.4	Principles governing assignment or re-assignment of retail customers to tariff classes and assessment and review of basis of charging.....	750
6.18.5	Pricing principles .....	751
6.18.6	Side constraints on tariffs for standard control services .....	753
6.18.7	Recovery of designated pricing proposal charges .....	754
6.18.7A	Recovery of jurisdictional scheme amounts .....	755
6.18.8	Approval of pricing proposal .....	758
6.18.9	Publication of information about tariffs and tariff classes .....	760
<b>6.19.</b>	<b>Data Required for Distribution Service Pricing .....</b>	<b>760</b>
6.19.1	Forecast use of networks by Distribution Customers and Embedded Generators .....	760
6.19.2	Confidentiality of distribution network pricing information .....	760
<b>Part J</b>	<b>Billing and Settlements .....</b>	<b>761</b>
<b>6.20</b>	<b>Billing and Settlements Process .....</b>	<b>761</b>
6.20.1	Billing for distribution services .....	761
6.20.2	Minimum information to be provided in distribution network service bills .....	763
6.20.3	Settlement between Distribution Network Service Providers .....	763
6.20.4	Obligation to pay.....	763
<b>Part K</b>	<b>Prudential requirements, capital contributions and prepayments .....</b>	<b>764</b>
<b>6.21</b>	<b>Distribution Network Service Provider Prudential Requirements.....</b>	<b>764</b>
6.21.1	Prudential requirements for distribution network service.....	764
6.21.2	Capital contributions, prepayments and financial guarantees.....	765
6.21.3	Treatment of past prepayments and capital contributions .....	765
<b>Part L</b>	<b>Dispute resolution .....</b>	<b>765</b>
<b>6.22</b>	<b>Dispute Resolution .....</b>	<b>765</b>
6.22.1	Dispute Resolution by the AER .....	765

6.22.2	Determination of dispute.....	766
6.22.3	Termination of access dispute without access determination .....	767
<b>Part M</b>	<b>Separate disclosure of transmission and distribution charges .....</b>	<b>768</b>
<b>6.23</b>	<b>Separate disclosure of transmission and distribution charges .....</b>	<b>768</b>
<b>Part N</b>	<b>Dual Function Assets .....</b>	<b>769</b>
<b>6.24</b>	<b>Dual Function Assets .....</b>	<b>769</b>
6.24.1	Application of this Part .....	769
6.24.2	Dual Function Assets .....	769
<b>6.25</b>	<b>AER determination of applicable pricing regime for Dual Function Assets.....</b>	<b>769</b>
<b>6.26</b>	<b>Division of Distribution Network Service Provider's revenue.....</b>	<b>770</b>
<b>Part O</b>	<b>Annual Benchmarking Report.....</b>	<b>772</b>
<b>6.27</b>	<b>Annual Benchmarking Report.....</b>	<b>772</b>
<b>Part P</b>	<b>Distribution Reliability Measures Guidelines .....</b>	<b>772</b>
<b>6.28</b>	<b>Distribution Reliability Measures Guidelines .....</b>	<b>772</b>
<b>Schedule 6.1</b>	<b>Contents of building block proposals.....</b>	<b>772</b>
S6.1.1	Information and matters relating to capital expenditure .....	772
S6.1.2	Information and matters relating to operating expenditure.....	774
S6.1.3	Additional information and matters .....	774
<b>Schedule 6.2</b>	<b>Regulatory Asset Base .....</b>	<b>777</b>
S6.2.1	Establishment of opening regulatory asset base for a regulatory control period .....	777
S6.2.2	Prudence and efficiency of capital expenditure .....	782
S6.2.2A	Reduction for inefficient past capital expenditure .....	782
S6.2.2B	Depreciation .....	785
S6.2.3	Roll forward of regulatory asset base within the same regulatory control period .....	785
<b>6A.</b>	<b>Economic Regulation of Transmission Services .....</b>	<b>789</b>
<b>Part A</b>	<b>Introduction.....</b>	<b>789</b>
<b>6A.1</b>	<b>Introduction to Chapter 6A .....</b>	<b>789</b>
6A.1.1	Economic regulation of transmission services generally .....	789
6A.1.2	Meaning of terms and conditions of access for transmission services.....	790
6A.1.3	Access to prescribed and negotiated transmission services .....	790
6A.1.4	National regulatory arrangements .....	791
6A.1.5	Application of Chapter 6A to Market Network Service Providers .....	791
6A.1.6	Application of Chapter 6A to AEMO and declared transmission system operators.....	792
<b>Part B</b>	<b>Transmission Determinations Generally .....</b>	<b>792</b>
<b>6A.2</b>	<b>Transmission determinations.....</b>	<b>792</b>
6A.2.1	Duty of AER to make transmission determinations .....	792
6A.2.2	Components of transmission determinations .....	792

6A.2.3	Guidelines .....	792
<b>Part C</b>	<b>Regulation of Revenue - Prescribed Transmission Services .....</b>	<b>793</b>
<b>6A.3</b>	<b>Allowed revenue from prescribed transmission services .....</b>	<b>793</b>
6A.3.1	Allowed revenue for regulatory year .....	793
6A.3.2	Adjustment of maximum allowed revenue .....	794
<b>6A.4</b>	<b>Revenue determinations .....</b>	<b>794</b>
6A.4.1	Introduction.....	794
6A.4.2	Contents of revenue determination .....	794
<b>6A.5</b>	<b>Post-tax revenue model.....</b>	<b>795</b>
6A.5.1	Introduction.....	795
6A.5.2	Preparation, publication and amendment of post-tax revenue model.....	796
6A.5.3	Contents of post-tax revenue model .....	796
6A.5.4	Building blocks approach .....	797
6A.5.5	Shared assets .....	798
6A.5.6	Expenditure Forecast Assessment Guidelines .....	799
<b>6A.5A</b>	<b>Capital expenditure incentive mechanisms .....</b>	<b>800</b>
<b>6A.6</b>	<b>Matters relevant to the making of revenue determinations.....</b>	<b>800</b>
6A.6.1	Regulatory asset base .....	800
6A.6.2	Return on capital .....	802
6A.6.3	Depreciation .....	804
6A.6.4	Estimated cost of corporate income tax .....	806
6A.6.5	Efficiency benefit sharing scheme .....	806
6A.6.5A	Capital expenditure sharing scheme .....	807
6A.6.6	Forecast operating expenditure .....	808
6A.6.7	Forecast capital expenditure .....	811
6A.6.8	The X factor .....	815
6A.6.9	Pass through events .....	816
<b>6A.7</b>	<b>Matters relevant to the adjustment of revenue cap after making of revenue determination .....</b>	<b>816</b>
6A.7.1	Reopening of revenue determination for capital expenditure .....	816
6A.7.2	Network support pass through .....	819
6A.7.3	Cost pass through.....	821
6A.7.4	Service target performance incentive scheme.....	827
6A.7.5	Small-scale incentive scheme .....	829
<b>6A.8</b>	<b>Contingent Projects .....</b>	<b>830</b>
6A.8.1	Acceptance of a Contingent Project in a revenue determination .....	830
6A.8.2	Amendment of revenue determination for contingent project .....	831
<b>Part D</b>	<b>Negotiated Transmission Services .....</b>	<b>836</b>
<b>6A.9</b>	<b>Negotiated transmission services .....</b>	<b>836</b>
6A.9.1	Principles relating to access to negotiated transmission services .....	836
6A.9.2	Determination of terms and conditions of access for negotiated transmission services .....	838
6A.9.3	Negotiating framework determination .....	838
6A.9.4	Negotiated transmission criteria determination .....	838
6A.9.5	Preparation of and requirements for negotiating framework .....	839
6A.9.6	Confidential information.....	841

6A.9.7	Commercial arbitration for negotiated transmission services.....	841
<b>Part E</b>	<b>Procedure – Revenue determinations, negotiating frameworks and pricing methodologies .....</b>	<b>841</b>
<b>6A.10</b>	<b>Revenue Proposal, proposed negotiating framework and proposed pricing methodology.....</b>	<b>841</b>
6A.10.1A	AER's framework and approach paper .....	841
6A.10.1B	Notification of approach to forecasting expenditure .....	843
6A.10.1	Submission of proposal, framework, pricing methodology and information.....	844
6A.10.2	[Deleted] .....	845
<b>6A.11</b>	<b>Preliminary examination and consultation .....</b>	<b>845</b>
6A.11.1	Preliminary examination and determination of non-compliance with relevant requirements.....	845
6A.11.2	Resubmission of proposal, framework, pricing methodology or information.....	846
6A.11.2A	Confidential information.....	846
6A.11.3	Consultation .....	847
<b>6A.12</b>	<b>Draft decision and further consultation.....</b>	<b>848</b>
6A.12.1	Making of draft decision .....	848
6A.12.2	Publication of draft decision and consultation .....	848
6A.12.3	Submission of revised proposal, framework or pricing methodology .....	849
6A.12.4	Submissions on specified matters .....	850
<b>6A.13</b>	<b>Final decision .....</b>	<b>851</b>
6A.13.1	Making of final decision .....	851
6A.13.2	Refusal to approve amounts, values, framework or pricing methodology .....	851
6A.13.2A	Out of scope revised documents or late submissions.....	852
6A.13.3	Notice of final decision .....	853
6A.13.4	Making of transmission determination .....	853
<b>6A.14</b>	<b>Requirements relating to draft and final decisions.....</b>	<b>853</b>
6A.14.1	Contents of decisions .....	853
6A.14.2	Reasons for decisions.....	856
6A.14.3	Circumstances in which matters must be approved or accepted.....	856
<b>6A.15</b>	<b>Revocation of revenue determination or amendment of pricing methodology for wrong information or error .....</b>	<b>859</b>
<b>6A.16</b>	<b>Miscellaneous.....</b>	<b>860</b>
<b>6A.16A</b>	<b>Transmission Confidentiality Guidelines .....</b>	<b>860</b>
<b>Part F</b>	<b>Information Disclosure .....</b>	<b>861</b>
<b>6A.17</b>	<b>Information disclosure by Transmission Network Service Providers.....</b>	<b>861</b>
6A.17.1	Information to be provided to AER .....	861
6A.17.2	Information Guidelines .....	862
<b>6A.18</b>	<b>[Deleted] .....</b>	<b>864</b>
<b>Part G</b>	<b>Cost Allocation .....</b>	<b>864</b>

<b>6A.19</b>	<b>Cost allocation .....</b>	<b>864</b>
6A.19.1	Duty to comply with Cost Allocation Methodology.....	864
6A.19.2	Cost Allocation Principles .....	864
6A.19.3	Cost Allocation Guidelines .....	865
6A.19.4	Cost Allocation Methodology.....	866
<b>Part H</b>	<b>Transmission Consultation Procedures .....</b>	<b>867</b>
<b>6A.20</b>	<b>Transmission consultation procedures .....</b>	<b>867</b>
<b>Part I</b>	<b>Ring-Fencing Arrangements for Transmission Network Service Providers.....</b>	<b>868</b>
<b>6A.21</b>	<b>Transmission Ring-Fencing Guidelines .....</b>	<b>868</b>
6A.21.1	Compliance with Transmission Ring-Fencing Guidelines .....	868
6A.21.2	Development of Transmission Ring-Fencing Guidelines.....	869
<b>Part J</b>	<b>Prescribed Transmission Services - Regulation of Pricing .....</b>	<b>870</b>
<b>6A.22</b>	<b>Terms used in Part J .....</b>	<b>870</b>
6A.22.1	Aggregate annual revenue requirement (AARR) .....	870
6A.22.2	Annual service revenue requirement (ASRR) .....	870
6A.22.3	Meaning of attributable cost share.....	870
6A.22.4	Meaning of attributable connection point cost share .....	871
<b>6A.23</b>	<b>Pricing Principles for Prescribed Transmission Services .....</b>	<b>871</b>
6A.23.1	Introduction.....	871
6A.23.2	Principles for the allocation of the aggregate annual revenue requirement .....	871
6A.23.3	Principles for the allocation of the annual service revenue requirement to connection points.....	872
6A.23.4	Principles for the recovery of the Annual Service Revenue Requirement as prices .....	875
<b>6A.24</b>	<b>Pricing methodology .....</b>	<b>877</b>
6A.24.1	Pricing methodologies generally.....	877
6A.24.2	Publication of pricing methodology and transmission network prices .....	878
6A.24.3	Basis for setting prices pending approval of pricing methodology .....	879
6A.24.4	Basis for setting prices pending approval of maximum allowed revenue .....	879
<b>6A.25</b>	<b>Pricing methodology guidelines for prescribed transmission services .....</b>	<b>880</b>
6A.25.1	Making and amending of pricing methodology guidelines .....	880
6A.25.2	Contents of pricing methodology guidelines .....	881
<b>6A.26</b>	<b>Prudent discounts.....</b>	<b>882</b>
6A.26.1	Agreements for prudent discounts for prescribed transmission services.....	882
6A.26.2	Application to AER for approval of proposed prudent discount amounts .....	883
<b>6A.27</b>	<b>Billing Process .....</b>	<b>885</b>
6A.27.1	Billing for prescribed transmission services .....	885
6A.27.1A	Billing of modified load export charges .....	885

6A.27.2	Minimum information to be provided in network service bills .....	885
6A.27.3	Obligation to pay charges for prescribed transmission services .....	886
6A.27.4	Payments between Transmission Network Service Providers in the same region .....	886
6A.27.5	Calculation of financial transfers between Transmission Network Service Providers in the same region .....	887
<b>6A.28</b>	<b>Prudential Requirements .....</b>	<b>887</b>
6A.28.1	Prudential Requirements for prescribed transmission services .....	887
6A.28.2	Capital contribution or prepayment for a specific asset.....	887
6A.28.3	Treatment of past capital contributions.....	887
<b>6A.29</b>	<b>Multiple Transmission Network Service Providers.....</b>	<b>888</b>
6A.29.1	Multiple Transmission Network Service Providers within a region.....	888
6A.29.2	Single Transmission Network Service Provider within a region.....	889
6A.29.3	Allocation over several regions .....	889
<b>6A.29A</b>	<b>Modified load export charges .....</b>	<b>889</b>
6A.29A.1	Single Transmission Network Service Provider in a Region.....	889
6A.29A.2	Calculation of the modified load export charges .....	889
6A.29A.3	Calculation of adjustments to the modified load export charge .....	890
6A.29A.4	Billing the modified load export charge .....	890
6A.29A.5	Allocation and billing process where multiple Transmission Network Service Providers in a Region.....	891
<b>Part K</b>	<b>Commercial arbitration for disputes about terms and conditions of access for prescribed and negotiated transmission services .....</b>	<b>891</b>
<b>6A.30</b>	<b>Commercial arbitration for prescribed and negotiated transmission services .....</b>	<b>891</b>
6A.30.1	Notification of transmission services dispute .....	892
6A.30.2	Appointment of commercial arbitrator .....	892
6A.30.3	Procedures of commercial arbitrator.....	893
6A.30.4	Powers of commercial arbitrator in determining transmission services access disputes .....	893
6A.30.5	Determination of transmission services access disputes.....	895
6A.30.6	Costs of dispute.....	895
6A.30.7	Enforcement of agreement or determination and requirement for reasons.....	896
6A.30.8	Miscellaneous .....	896
<b>Part L</b>	<b>Annual Benchmarking Report.....</b>	<b>897</b>
<b>6A.31</b>	<b>Annual Benchmarking Report.....</b>	<b>897</b>
<b>Schedule 6A.1</b>	<b>Contents of Revenue Proposals.....</b>	<b>897</b>
S6A.1.1	Information and matters relating to capital expenditure .....	897
S6A.1.2	Information and matters relating to operating expenditure.....	898
S6A.1.3	Additional information and matters .....	899
<b>Schedule 6A.2</b>	<b>Regulatory Asset Base .....</b>	<b>902</b>
S6A.2.1	Establishment of opening regulatory asset base for a regulatory control period .....	902
S6A.2.2	Prudence and efficiency of capital expenditure .....	907

S6A.2.2A	Reduction for inefficient past capital expenditure .....	908
S6A.2.2B	Depreciation .....	910
S6A.2.3	Removal of assets from regulatory asset base .....	910
S6A.2.4	Roll forward of regulatory asset base within the same regulatory control period .....	912
<b>Schedule 6A.3</b>	<b>CRNP methodology and modified CRNP methodology .....</b>	<b>913</b>
S6A.3.1	Meaning of optimised replacement cost .....	913
S6A.3.2	CRNP methodology .....	913
S6A.3.3	Modified CRNP methodology .....	914
<b>Schedule 6A.4</b>	<b>Application of this Chapter to AEMO and declared transmission system operators .....</b>	<b>914</b>
S6A.4.1	Application of this Chapter to AEMO etc .....	914
S6A.4.2	Exclusions, qualifications and modifications .....	914
<b>Chapter 6B</b>	<b>Retail markets .....</b>	<b>925</b>
<b>Part A</b>	<b>Retail support .....</b>	<b>925</b>
<b>Division 1 – Application and definitions .....</b>	<b>925</b>	
6B.A1.1	Application of this Part .....	925
<b>Division 2</b>	<b>Billing and payment rules .....</b>	<b>926</b>
6B.A2.1	Obligation to pay .....	926
6B.A2.2	Direct customer billing and energy-only contracts .....	926
6B.A2.3	Calculating network charges .....	926
6B.A2.4	Statement of charges .....	926
6B.A2.5	Time and manner of payment .....	927
<b>Division 3</b>	<b>Matters incidental to billing and payment .....</b>	<b>927</b>
6B.A3.1	Adjustment of network charges .....	927
6B.A3.2	Tariff reassignment .....	928
6B.A3.3	Disputed statements of charges .....	929
6B.A3.4	Interest .....	930
6B.A3.5	Notification of changes to charges .....	930
<b>Part B</b>	<b>Credit support required for late payment .....</b>	<b>930</b>
<b>Division 1</b>	<b>Application and definitions .....</b>	<b>931</b>
6B.B1.1	Application of Part B .....	931
6B.B1.2	Definitions .....	931
<b>Division 2</b>	<b>Requirements for credit support .....</b>	<b>931</b>
6B.B2.1	Distribution Network Service Provider may require credit support in limited circumstances .....	931
<b>Division 3</b>	<b>Provision of credit support by retailers .....</b>	<b>932</b>
6B.B3.1	Retailer to provide credit support .....	932
6B.B3.2	Acceptable form of credit support .....	932
<b>Division 4</b>	<b>Other Rules relating to credit support .....</b>	<b>933</b>
6B.B4.1	Application of credit support .....	933
6B.B4.2	Return of credit support .....	933
6B.B4.3	Other retailer obligations .....	933

<b>Schedule 6B.1</b>	<b>Prescribed form of unconditional undertaking for credit support .....</b>	<b>934</b>
<b>7.</b>	<b>Metering .....</b>	<b>937</b>
<b>7.1</b>	<b>Introduction to the Metering Chapter .....</b>	<b>937</b>
7.1.1	Contents .....	937
7.1.2	Obligations of Market Participants to establish metering installations .....	937
7.1.3	Obligation to establish, maintain and publish procedures .....	938
7.1.4	Amendment of procedures in the Metering Chapter.....	938
<b>7.2</b>	<b>Responsibility for Metering Installation, Metering Data and Market Settlement and Transfer Solution Procedures .....</b>	<b>939</b>
7.2.1	Responsibility of the responsible person .....	939
7.2.1A	Responsibility of AEMO for the collection, processing and delivery of metering data .....	940
7.2.1B	Responsibility for interconnectors .....	941
7.2.2	Responsibility of the Market Participant .....	941
7.2.3	Responsibility of the Local Network Service Provider .....	941
7.2.4	Joint metering installations .....	943
7.2.4A	Special site or technology related conditions.....	943
7.2.5	Role of the responsible person .....	945
7.2.6	[Deleted] .....	947
7.2.7	Registration of metering installations .....	947
7.2.8	Market Settlement and Transfer Solution Procedures .....	948
<b>7.2A</b>	<b>B2B Arrangements.....</b>	<b>948</b>
7.2A.1	B2B e-Hub .....	948
7.2A.2	B2B Procedures .....	949
7.2A.3	Cost Recovery.....	949
<b>7.3</b>	<b>Metering Installation Arrangements.....</b>	<b>949</b>
7.3.1A	Metering Installation Requirements.....	949
7.3.1	Metering installation components .....	949
7.3.2	Connection and metering point .....	954
7.3.3	[Deleted] .....	954
7.3.4	Metering installation types, accuracy and meter churn .....	954
7.3.5	[Deleted] .....	956
7.3.6	[Deleted] .....	956
<b>7.3.7</b>	<b>Meter installation malfunctions.....</b>	<b>956</b>
<b>7.3A</b>	<b>Payment for Metering Provision and Metering Data Services .....</b>	<b>957</b>
<b>7.4</b>	<b>Metering Providers and Metering Data Providers .....</b>	<b>958</b>
7.4.1	Role of Metering Providers.....	958
7.4.1A	Role of Metering Data Providers .....	958
7.4.2	Qualifications and registration of Metering Providers.....	958
7.4.2A	Qualifications and registration of Metering Data Providers .....	959
7.4.3	Deregistration of Metering Providers and Metering Data Providers .....	960
<b>7.5</b>	<b>Register of Metering Information .....</b>	<b>961</b>
7.5.1	Metering register .....	961

7.5.2	Metering register discrepancy .....	961
<b>7.5A</b>	<b>Disclosure of NMI information.....</b>	<b>962</b>
7.5A.1	Application of this Rule .....	962
7.5A.2	NMI and NMI checksum .....	962
7.5A.3	NMI Standing Data .....	962
<b>7.6</b>	<b>Inspection, Testing and Audit of Metering Installations.....</b>	<b>962</b>
7.6.1	Responsibility for testing .....	962
7.6.2	Actions in event of non-compliance .....	964
7.6.3	Audits of information held in metering installations .....	965
7.6.4	Retention of test records and documents .....	966
<b>7.7</b>	<b>Entitlement to metering data and access to metering installation .....</b>	<b>967</b>
<b>7.8</b>	<b>Security of Metering Installations and Data .....</b>	<b>969</b>
7.8.1	Security of metering installations .....	969
7.8.2	Security controls .....	970
7.8.3	Changes to metering equipment, parameters and settings within a metering installation.....	971
7.8.4	Changes to energy data or to metering data.....	972
<b>7.9</b>	<b>Processing of Metering Data for Settlements Purposes.....</b>	<b>973</b>
7.9.1	Metering databases.....	973
7.9.2	[Deleted] .....	973
7.9.3	[Deleted] .....	973
7.9.4	Data validation, substitution and estimation.....	973
7.9.5	Errors found in metering tests, inspections or audits .....	974
<b>7.10</b>	<b>Confidentiality.....</b>	<b>975</b>
<b>7.11</b>	<b>Metering Data Arrangements .....</b>	<b>975</b>
7.11.1	Metering data performance standards .....	975
7.11.2	Metering Data Services .....	976
7.11.3	Data management and storage .....	977
7.11.4	Use of check metering data.....	978
7.11.5	Periodic energy metering .....	978
<b>7.12</b>	<b>Time settings.....</b>	<b>979</b>
<b>7.13</b>	<b>Evolving Technologies and Processes and Development of the Market.....</b>	<b>980</b>
<b>7.14</b>	<b>Metrology and service level procedures.....</b>	<b>982</b>
7.14.1	Requirements of the metrology procedure.....	982
7.14.1A	Requirements of the service level procedures .....	983
7.14.2	Jurisdictional metrology material in metrology procedure .....	984
7.14.3	Additional metrology procedure matters .....	986
7.14.4	[Deleted] .....	987
<b>7.15</b>	<b>Miscellaneous.....</b>	<b>987</b>
<b>7.16</b>	<b>Metering data provision to retail customers .....</b>	<b>987</b>
<b>Schedule 7.1</b>	<b>Responsibility for metering installation and metering data .....</b>	<b>989</b>
<b>Schedule 7.2</b>	<b>Types and Accuracy of Metering Installations .....</b>	<b>989</b>

S7.2.1	General requirements .....	989
S7.2.2	Metering installations commissioned prior to 13 December 1998 .....	989
S7.2.3	Accuracy requirements for metering installations .....	990
S7.2.4.	Check metering .....	996
S7.2.5.	Resolution and accuracy of displayed or captured data .....	997
S7.2.6.	General design standards .....	997
S7.2.6.1	Design requirements .....	997
S7.2.6.2	Design guidelines.....	998
<b>Schedule 7.3</b>	<b>Inspection and Testing Requirements.....</b>	<b>998</b>
S7.3.1.	General.....	998
S7.3.2.	Technical Guidelines .....	1001
<b>Schedule 7.4</b>	<b>Metering Provider.....</b>	<b>1001</b>
S7.4.1	General.....	1001
S7.4.2	Categories of registration.....	1002
S7.4.3	Capabilities of Metering Providers for metering installations types 1, 2, 3 and 4.....	1003
S7.4.4	Capabilities of Metering Providers for metering installations types 5 and 6.....	1006
S7.4.5	Capabilities of the Accredited Service Provider category .....	1006
<b>Schedule 7.5</b>	<b>Metering Register.....</b>	<b>1006</b>
S7.5.1.	General.....	1006
S7.5.2.	Metering register information .....	1007
<b>Schedule 7.6</b>	<b>Metering Data Provider .....</b>	<b>1008</b>
S7.6.1	General.....	1008
S7.6.2	Categories of registration.....	1009
S7.6.3	Capabilities of Metering Data Providers.....	1009
<b>8.</b>	<b>Administrative Functions.....</b>	<b>1015</b>
<b>Part A</b>	<b>Introductory .....</b>	<b>1015</b>
<b>8.1</b>	<b>Administrative functions .....</b>	<b>1015</b>
8.1.1	[Deleted] .....	1015
8.1.2	[Deleted] .....	1015
8.1.3	Structure of this Chapter .....	1015
<b>Part B</b>	<b>Disputes.....</b>	<b>1016</b>
<b>8.2</b>	<b>Dispute Resolution .....</b>	<b>1016</b>
8.2.1	Application and guiding principles .....	1016
8.2.2	The Dispute Resolution Adviser .....	1019
8.2.3	Dispute management systems of Registered Participants and AEMO.....	1020
8.2.4	Stage 1 - dispute resolution through Registered Participants' DMS .....	1020
8.2.5	Stage 2 - dispute resolution process.....	1023
8.2.6A	Establishment of Dispute Resolution Panel.....	1023
8.2.6B	Parties to DRP Proceedings .....	1025
8.2.6C	Proceedings of the DRP .....	1026
8.2.6D	Decisions of the DRP .....	1026
8.2.6	[Deleted] .....	1027

8.2.7	Legal representation .....	1027
8.2.8	Cost of dispute resolution .....	1027
8.2.9	Effect of resolution .....	1028
8.2.10	Recording and publication .....	1029
8.2.11	Appeals on questions of law .....	1029
8.2.12	[Deleted] .....	1029
<b>8.2A</b>	<b>[Deleted]</b> .....	<b>1029</b>
<b>8.3</b>	<b>Power to make Electricity Procedures</b> .....	<b>1029</b>
<b>8.4</b>	<b>[Deleted]</b> .....	<b>1029</b>
<b>8.5</b>	<b>[Deleted]</b> .....	<b>1029</b>
<b>Part C</b>	<b>Registered Participants' confidentiality obligations</b> .....	<b>1029</b>
<b>8.6</b>	<b>Confidentiality</b> .....	<b>1029</b>
8.6.1	Confidentiality .....	1029
8.6.2	Exceptions .....	1031
8.6.3	Conditions .....	1032
8.6.4	[Deleted] .....	1033
8.6.5	Indemnity to AER, AEMC and AEMO .....	1033
8.6.6	AEMO information .....	1033
8.6.7	Information on Rules Bodies .....	1033
<b>Part D</b>	<b>Monitoring and reporting</b> .....	<b>1033</b>
<b>8.7</b>	<b>Monitoring and Reporting</b> .....	<b>1033</b>
8.7.1	Monitoring .....	1033
8.7.2	Reporting requirements and monitoring standards for Registered Participants and AEMO .....	1034
8.7.3	Consultation required for making general regulatory information order (Section 28H of the NEL) .....	1036
8.7.4	Preparation of network service provider performance report (Section 28V of the NEL) .....	1037
8.7.5	[Deleted] .....	1038
8.7.6	Recovery of reporting costs .....	1038
<b>Part E</b>	<b>Reliability panel</b> .....	<b>1038</b>
<b>8.8</b>	<b>Reliability Panel</b> .....	<b>1038</b>
8.8.1	Purpose of Reliability Panel .....	1038
8.8.2	Constitution of the Reliability Panel .....	1040
8.8.3	Reliability Panel review process .....	1042
8.8.4	Determination of protected events .....	1045
<b>Part F</b>	<b>Rules consultation procedures</b> .....	<b>1046</b>
<b>8.9</b>	<b>Rules Consultation Procedures</b> .....	<b>1046</b>
<b>Part G</b>	<b>Consumer advocacy funding</b> .....	<b>1049</b>
<b>8.10</b>	<b>Consumer advocacy funding obligation</b> .....	<b>1049</b>
<b>Part H</b>	<b>Augmentations</b> .....	<b>1049</b>
<b>8.11</b>	<b>Augmentations</b> .....	<b>1049</b>
8.11.1	Application .....	1049

8.11.2	Object.....	1049
8.11.3	Definitions.....	1050
8.11.4	Planning criteria.....	1050
8.11.5	Construction of augmentation that is not a contestable augmentation.....	1051
8.11.6	Contestable augmentations .....	1052
8.11.7	Construction and operation of contestable augmentation.....	1052
8.11.8	Funded augmentations that are not subject to the tender process .....	1054
8.11.9	Contractual requirements and principles .....	1055
8.11.10	Annual planning review .....	1055
<b>Schedule 8.11</b>	<b>Principles to be reflected in agreements relating to contestable augmentations .....</b>	<b>1056</b>
S8.11.1	Risk allocation .....	1056
S8.11.2	Minimum requirements for agreements relating to contestable augmentation.....	1057
S8.11.3	Matters to be dealt with in relevant agreements .....	1057
<b>8A.</b>	<b>Participant Derogations .....</b>	<b>1061</b>
<b>Part 1</b>	<b>Derogations Granted to TransGrid.....</b>	<b>1061</b>
<b>8A.1</b>	<b>[Deleted] .....</b>	<b>1061</b>
<b>Part 2</b>	<b>Derogations Granted to EnergyAustralia.....</b>	<b>1061</b>
<b>8A.2</b>	<b>[Deleted] .....</b>	<b>1061</b>
<b>8A.2A</b>	<b>[Deleted] .....</b>	<b>1061</b>
<b>Part 3</b>	<b>[Deleted] .....</b>	<b>1061</b>
<b>Part 4</b>	<b>[Deleted] .....</b>	<b>1061</b>
<b>Part 5</b>	<b>[Deleted] .....</b>	<b>1061</b>
<b>Part 6</b>	<b>Derogations Granted to Victorian Market Participants .....</b>	<b>1061</b>
<b>Part 7</b>	<b>[Deleted] .....</b>	<b>1061</b>
<b>Part 8</b>	<b>[Deleted] .....</b>	<b>1061</b>
<b>Part 9</b>	<b>[Deleted] .....</b>	<b>1061</b>
<b>Part 10</b>	<b>[Deleted] .....</b>	<b>1061</b>
<b>Part 11</b>	<b>[Deleted] .....</b>	<b>1061</b>
<b>Part 12</b>	<b>[Deleted] .....</b>	<b>1061</b>
<b>Part 13</b>	<b>Derogation granted to Aurora Energy (Tamar Valley) Pty Ltd .....</b>	<b>1061</b>
<b>8A.13</b>	<b>[Deleted] .....</b>	<b>1061</b>
<b>9.</b>	<b>Jurisdictional Derogations and Transitional Arrangements.....</b>	<b>1065</b>
<b>9.1</b>	<b>Purpose and Application .....</b>	<b>1065</b>
9.1.1	Purpose.....	1065
9.1.2	Jurisdictional Derogations .....	1065

<b>Part A</b>	<b>Jurisdictional Derogations for Victoria .....</b>	<b>1065</b>
9.2	[Deleted] .....	1065
9.3	<b>Definitions.....</b>	<b>1065</b>
9.3.1	General Definitions .....	1065
9.3.2	[Deleted] .....	1067
9.3A	<b>Fault levels .....</b>	<b>1067</b>
9.4	<b>Transitional Arrangements for Chapter 2 - Registered Participants, Registration and Cross Border Networks.....</b>	<b>1068</b>
9.4.1	[Deleted] .....	1068
9.4.2	Smelter Trader .....	1068
9.4.3	Smelter Trader: compliance .....	1069
9.4.4	Report from AER .....	1071
9.4.5	Cross Border Networks .....	1072
9.5	[Deleted] .....	1072
9.6	<b>Transitional Arrangements for Chapter 4 - System Security.....</b>	<b>1072</b>
9.6.1	Operating Procedures (clause 4.10.1) .....	1072
9.6.2	Nomenclature Standards (clause 4.12) .....	1072
9.7	<b>Transitional Arrangements for Chapter 5 - Network Connection.....</b>	<b>1073</b>
9.7.1	[Deleted] .....	1073
9.7.2	[Deleted] .....	1073
9.7.3	[Deleted] .....	1073
9.7.4	Regulation of Distribution Network Connection .....	1073
9.7.5	[Deleted] .....	1074
9.7.6	[Deleted] .....	1074
9.7.7	[Deleted] .....	1074
9.8	<b>Transitional Arrangements for Chapter 6 - Network Pricing.....</b>	<b>1074</b>
9.8.1	[Deleted] .....	1074
9.8.2	[Deleted] .....	1074
9.8.3	[Deleted] .....	1074
9.8.4	Transmission Network Pricing .....	1074
9.8.4A	[Deleted] .....	1076
9.8.4B	[Deleted] .....	1076
9.8.4C	[Deleted] .....	1076
9.8.4D	[Deleted] .....	1076
9.8.4E	[Deleted] .....	1076
9.8.4F	[Deleted] .....	1076
9.8.4G	[Deleted] .....	1076
9.8.5	[Deleted] .....	1076
9.8.6	[Deleted] .....	1076
9.8.7	Distribution network pricing – transitional application of former Chapter 6 .....	1076
9.8.8	Exclusion of AER's power to aggregate distribution systems and parts of distribution systems .....	1077
9.9	<b>Transitional Arrangements for Chapter 7 - Metering .....</b>	<b>1078</b>
9.9.1	Metering Installations To Which This Schedule Applies .....	1078

9.9.2	[Deleted] .....	1078
9.9.3	[Deleted] .....	1078
9.9.4	[Deleted] .....	1078
9.9.5	[Deleted] .....	1078
9.9.6	[Deleted] .....	1078
9.9.7	[Deleted] .....	1078
9.9.8	[Deleted] .....	1078
9.9.9	Periodic Energy Metering (clause 7.9.3) .....	1078
9.9.10	Use of Alternate Technologies (clause 7.13).....	1078
<b>9.9A</b>	<b>[Deleted] .....</b>	<b>1079</b>
<b>9.9B</b>	<b>[Deleted] .....</b>	<b>1079</b>
<b>9.9C</b>	<b>Metering services for residential and small business customers .....</b>	<b>1079</b>
9.9C.1	Definitions.....	1079
9.9C.2	Expiry Date .....	1080
9.9C.3	Designation as responsible person .....	1080
9.9C.4	Classification of relevant metering installations.....	1080
9.9C.5	Cost recovery of AMI rollout .....	1080
9.9C.6	Capability for remote acquisition of metering data .....	1080
<b>Schedule 9A1.1</b>	<b>[Deleted] .....</b>	<b>1080</b>
<b>Schedule 9A1.2</b>	<b>[Deleted] .....</b>	<b>1080</b>
<b>Schedule 9A1.3</b>	<b>[Deleted] .....</b>	<b>1080</b>
<b>Schedule 9A2</b>	<b>[Deleted] .....</b>	<b>1080</b>
<b>Schedule 9A3</b>	<b>Jurisdictional Derogations Granted to Generators .....</b>	<b>1080</b>
1.	Interpretation of tables .....	1080
2.	Continuing effect .....	1081
3.	Subsequent agreement .....	1081
4.	[Deleted] .....	1082
5.	Reactive Power Capability (clause S5.2.5.1 of schedule 5.2) .....	1082
6.	[Deleted] .....	1083
7.	[Deleted] .....	1083
8.	[Deleted] .....	1083
9.	[Deleted] .....	1083
10.	[Deleted] .....	1083
11.	[Deleted] .....	1083
12.	[Deleted] .....	1083
13.	Governor Systems (load control) (clause S5.2.5.11 of schedule 5.2).....	1083
14.	[Deleted] .....	1083
15.	[Deleted] .....	1083
16.	Excitation Control System (clause S5.2.5.13 of schedule 5.2).....	1083
<b>Part B</b>	<b>Jurisdictional Derogations for New South Wales .....</b>	<b>1084</b>
<b>9.10</b>	<b>[Deleted] .....</b>	<b>1084</b>
<b>9.11</b>	<b>Definitions.....</b>	<b>1084</b>
9.11.1	Definitions used in this Part B .....	1084

<b>9.12</b>	<b>Transitional Arrangements for Chapter 2 - Generators, Registered Participants, Registration and Cross Border Networks .....</b>	<b>1085</b>
9.12.1	[Deleted] .....	1085
9.12.2	Customers .....	1085
9.12.3	Power Traders .....	1085
9.12.4	Cross Border Networks .....	1088
<b>9.13</b>	<b>[Deleted] .....</b>	<b>1089</b>
<b>9.14</b>	<b>Transitional Arrangements for Chapter 4 - System Security .....</b>	<b>1089</b>
9.14.1	Power System Operating Procedures .....	1089
<b>9.15</b>	<b>NSW contestable services for Chapter 5A .....</b>	<b>1089</b>
9.15.1	Definitions.....	1089
9.15.2	Chapter 5A not to apply to certain contestable services .....	1090
<b>9.16</b>	<b>Transitional Arrangements for Chapter 6 - Network Pricing .....</b>	<b>1090</b>
9.16.1	NSW contestable services.....	1090
9.16.2	[Deleted] .....	1090
9.16.3	Jurisdictional Regulator .....	1090
9.16.4	Deemed Regulated Interconnector.....	1090
9.16.5	[Deleted] .....	1090
<b>9.17</b>	<b>Transitional Arrangements for Chapter 7 - Metering .....</b>	<b>1090</b>
9.17.1	Extent of Derogations .....	1090
9.17.2	Initial Registration (clause 7.1.2).....	1091
9.17.3	Amendments to Schedule 9G1.....	1091
9.17.4	Compliance with AS/NZ ISO 9002 (clause S7.4.3(f) of schedule 7.4) .....	1091
<b>9.17A</b>	<b>[Deleted] .....</b>	<b>1092</b>
<b>9.18</b>	<b>[Deleted] .....</b>	<b>1092</b>
<b>Part C</b>	<b>Jurisdictional Derogations for the Australian Capital Territory .....</b>	<b>1092</b>
<b>9.19</b>	<b>[Deleted] .....</b>	<b>1092</b>
<b>9.20</b>	<b>Definitions and Transitional Arrangements for Cross-Border Networks .....</b>	<b>1092</b>
9.20.1	Definitions.....	1092
9.20.2	Cross Border Networks .....	1092
<b>9.21</b>	<b>[Deleted] .....</b>	<b>1093</b>
<b>9.22</b>	<b>[Deleted] .....</b>	<b>1093</b>
<b>9.23</b>	<b>Transitional Arrangements for Chapter 6 - Network Pricing .....</b>	<b>1093</b>
9.23.1	[Deleted] .....	1093
9.23.2	[Deleted] .....	1093
9.23.3	[Deleted] .....	1093
9.23.4	[Deleted] .....	1093
<b>9.24</b>	<b>Transitional Arrangements .....</b>	<b>1093</b>
9.24.1	Chapter 7 - Metering .....	1093
9.24.2	[Deleted] .....	1093
<b>9.24A</b>	<b>[Deleted] .....</b>	<b>1093</b>

<b>Part D</b>	<b>Jurisdictional Derogations for South Australia .....</b>	<b>1093</b>
<b>9.25</b>	<b>Definitions.....</b>	<b>1093</b>
9.25.1	[Deleted] .....	1093
9.25.2	Definitions.....	1093
<b>9.26</b>	<b>Transitional Arrangements for Chapter 2 - Registered Participants, Registration And Cross Border Networks.....</b>	<b>1096</b>
9.26.1	Registration as a Generator.....	1096
9.26.2	Registration as a Customer .....	1097
9.26.3	Cross Border Networks.....	1097
9.26.4	[Deleted] .....	1098
9.26.5	Registration as a Network Service Provider .....	1098
<b>9.27</b>	<b>[Deleted].....</b>	<b>1098</b>
<b>9.28</b>	<b>Transitional Arrangements for Chapter 5 - Network Connection.....</b>	<b>1098</b>
9.28.1	Application of clause 5.2 .....	1098
9.28.2	[Deleted] .....	1099
<b>9.29</b>	<b>Transitional Arrangements for Chapter 6 - Economic Regulation of Distribution Services.....</b>	<b>1099</b>
9.29.1	[Deleted] .....	1099
9.29.2	[Deleted] .....	1099
9.29.3	[Deleted] .....	1099
9.29.4	[Deleted] .....	1099
9.29.5	Distribution Network Pricing – South Australia.....	1099
9.29.6	Capital contributions, prepayments and financial guarantees.....	1100
9.29.7	Ring fencing .....	1101
<b>9.29A</b>	<b>Monitoring and reporting .....</b>	<b>1101</b>
<b>9.30</b>	<b>Transitional Provisions.....</b>	<b>1102</b>
9.30.1	Chapter 7 - Metering .....	1102
<b>Part E</b>	<b>Jurisdictional Derogations for Queensland .....</b>	<b>1102</b>
<b>9.31</b>	<b>[Deleted].....</b>	<b>1102</b>
<b>9.32</b>	<b>Definitions and Interpretation .....</b>	<b>1102</b>
9.32.1	Definitions.....	1102
9.32.2	Interpretation.....	1104
<b>9.33</b>	<b>Transitional Arrangements for Chapter 1 .....</b>	<b>1105</b>
9.33.1	[Deleted] .....	1105
<b>9.34</b>	<b>Transitional Arrangements for Chapter 2 - Registered Participants and Registration .....</b>	<b>1105</b>
9.34.1	Application of the Rules in Queensland (clauses 2.2 and 2.5) .....	1105
9.34.2	Stanwell Cross Border Leases (clause 2.2).....	1105
9.34.3	[Deleted] .....	1105
9.34.4	Registration as a Customer (clause 2.3.1).....	1105
9.34.5	There is no clause 9.34.5.....	1106
9.34.6	Exempted generation agreements (clause 2.2).....	1106
<b>9.35</b>	<b>[Deleted].....</b>	<b>1111</b>

<b>9.36</b>	<b>[Deleted] .....</b>	<b>1111</b>
<b>9.37</b>	<b>Transitional Arrangements for Chapter 5 - Network Connection .....</b>	<b>1111</b>
9.37.1	[Deleted] .....	1111
9.37.2	Existing connection and access agreements (clause 5.2) .....	1111
9.37.3	[Deleted] .....	1112
9.37.4	[Deleted] .....	1112
9.37.5	Forecasts for connection points to transmission network (clause 5.11.1) .....	1112
9.37.6	There is no clause 9.37.6.....	1112
9.37.7	Cross Border Networks .....	1112
9.37.8	[Deleted] .....	1112
9.37.9	Credible contingency events (clause S5.1.2.1 of schedule 5.1) .....	1112
9.37.10	Reactive power capability (clause S5.2.5.1 of schedule 5.2) .....	1113
9.37.11	[Deleted] .....	1113
9.37.12	Voltage fluctuations (clause S5.1.5 of schedule 5.1) .....	1113
9.37.13	[Deleted] .....	1116
9.37.14	[Deleted] .....	1116
9.37.15	[Deleted] .....	1116
9.37.16	[Deleted] .....	1116
9.37.17	[Deleted] .....	1116
9.37.18	[Deleted] .....	1116
9.37.19	Generating unit response to disturbances (clause S5.2.5.3 of schedule 5.2) .....	1116
9.37.20	[Deleted] .....	1116
9.37.21	Excitation control system (clause S.5.2.5.13 of schedule 5.2) .....	1116
9.37.22	[Deleted] .....	1117
9.37.23	Annual forecast information for planning purposes (schedule 5.7) .....	1117
<b>9.38</b>	<b>Transitional Arrangements for Chapter 6 - Network Pricing .....</b>	<b>1117</b>
9.38.1	[Deleted] .....	1117
9.38.2	[Deleted] .....	1117
9.38.3	[Deleted] .....	1117
9.38.4	Interconnectors between regions .....	1117
9.38.5	Transmission pricing for exempted generation agreements .....	1118
<b>9.39</b>	<b>Transitional Arrangements for Chapter 7 - Metering .....</b>	<b>1118</b>
9.39.1	Metering installations to which this clause applies .....	1118
9.39.2	[Deleted] .....	1119
9.39.3	[Deleted] .....	1119
9.39.4	[Deleted] .....	1119
9.39.5	[Deleted] .....	1119
<b>9.40</b>	<b>Transitional Arrangements for Chapter 8 - Administration Functions .....</b>	<b>1119</b>
9.40.1	[Deleted] .....	1119
9.40.2	[Deleted] .....	1119
9.40.3	[Deleted] .....	1119
<b>9.41</b>	<b>[Deleted] .....</b>	<b>1119</b>
<b>Schedule 9E1</b>	<b>Exempted Generation Agreements .....</b>	<b>1119</b>

<b>Part F</b>	<b>Jurisdictional Derogations for Tasmania .....</b>	<b>1120</b>
<b>9.42</b>	<b>Definitions and interpretation .....</b>	<b>1120</b>
9.42.1	Definitions.....	1120
9.42.2	Interpretation.....	1121
9.42.3	National grid, power system and related expressions .....	1122
<b>9.43</b>	<b>[Deleted] .....</b>	<b>1122</b>
<b>9.44</b>	<b>Transitional arrangements for Chapter 2 – Registered Participants and Registration - Customers (clause 2.3.1(e)).....</b>	<b>1122</b>
<b>9.45</b>	<b>Tasmanian Region (clause 3.5) .....</b>	<b>1122</b>
<b>9.47</b>	<b>Transitional arrangements for Chapter 5- Network Connection.....</b>	<b>1122</b>
9.47.1	Existing Connection Agreements .....	1122
<b>9.48</b>	<b>Transitional arrangements - Transmission and Distribution Pricing .....</b>	<b>1123</b>
9.48.4A	Ring fencing.....	1123
9.48.4B	Uniformity of tariffs for small customers .....	1123
9.48.5	Transmission network .....	1123
9.48.6	Deemed regulated interconnector .....	1123
<b>Part G</b>	<b>Schedules to Chapter 9 .....</b>	<b>1124</b>
<b>Schedule 9G1</b>	<b>Metering Transitional Arrangements .....</b>	<b>1124</b>
1.	Introduction.....	1124
2.	[Deleted] .....	1124
3.	General Principle .....	1124
4.	[Deleted] .....	1124
5.	Accuracy Requirements .....	1124
6.	[Deleted] .....	1125
7.	[Deleted] .....	1125
8.	[Deleted] .....	1125
9.	[Deleted] .....	1125
10.	[Deleted] .....	1125
<b>10.</b>	<b>Glossary .....</b>	<b>1129</b>
<b>11.</b>	<b>Savings and Transitional Rules .....</b>	<b>1243</b>
<b>Part A</b>	<b>Definitions.....</b>	<b>1243</b>
<b>Part B</b>	<b>System Restart Ancillary Services (2006 amendments) .....</b>	<b>1243</b>
<b>11.2</b>	<b>Rules consequent on making of the National Electricity Amendment (System Restart Ancillary Services and pricing under market suspension) Rule 2006 .....</b>	<b>1243</b>
11.2.1	Transitional provision for acquisition of non-market ancillary services.....	1243
<b>11.3</b>	<b>[Deleted] .....</b>	<b>1244</b>
<b>Part C</b>	<b>Dispute Resolution for Regulatory Test (2006 amendments) .....</b>	<b>1244</b>

<b>11.4</b>	<b>Rules consequent on making of the National Electricity Amendment (Dispute Resolution for Regulatory Test) Rule 2006.....</b>	<b>1244</b>
11.4.1	Continuation of things done under old clause 5.6.6.....	1244
<b>Part D</b>	<b>Metrology (2006 amendments) .....</b>	<b>1245</b>
<b>11.5</b>	<b>Rules consequential on the making of the National Electricity Amendment (Metrology) Rule 2006 .....</b>	<b>1245</b>
11.5.1	Definitions.....	1245
11.5.2	Metrology procedures continues to apply until 31 December 2006 .....	1245
11.5.3	Responsible person .....	1245
11.5.4	NEMMCO's responsibility to develop a metrology procedure.....	1245
11.5.5	Jurisdictional metrology material in the metrology procedure .....	1246
<b>Part E</b>	<b>Economic Regulation of Transmission Services (2006 amendments) .....</b>	<b>1247</b>
<b>11.6</b>	<b>Rules consequent on making of the National Electricity Amendment (Economic Regulation of Transmission Services) Rule 2006.....</b>	<b>1247</b>
11.6.1	Definitions.....	1247
11.6.2	New Chapter 6A does not affect existing revenue determinations.....	1248
11.6.3	Old Part C and Schedules 6.2, 6.3, 6.4, 6.7 and 6.8 of old Chapter 6.....	1249
11.6.4	Old Part F of Chapter 6.....	1249
11.6.5	Application of new Chapter 6A to Transmission Network Service Providers .....	1249
11.6.6	Application of Chapter 6 to old distribution matters .....	1249
11.6.7	References to the old Chapter 6 .....	1249
11.6.8	References to provisions of the old Chapter 6 .....	1250
11.6.9	Roll forward of regulatory asset base for first regulatory control period .....	1250
11.6.10	Other adjustment carry-over mechanisms from current to first regulatory control period.....	1250
11.6.11	Clause consequent upon making National Electricity Amendment (Cost Allocation Arrangements for Transmission Services) Rule No 2009 No 3 - Transition to new Chapter 6A: existing prescribed connection services .....	1250
11.6.12	Powerlink transitional provisions .....	1253
11.6.13	ElectraNet easements transitional provisions .....	1257
11.6.14	TransGrid contingent projects.....	1257
11.6.15	Transmission determination includes existing revenue determinations.....	1258
11.6.16	References to regulatory control period.....	1258
11.6.17	Consultation procedure for first proposed guidelines .....	1258
11.6.18	Reliance on proposed guidelines for SP AusNet, VENCorp and ElectraNet .....	1259
11.6.19	EnergyAustralia transitional provisions.....	1259
11.6.20	Basslink transitional provisions .....	1262
11.6.21	SPI Powernet savings and transitional provision.....	1263
11.6.22	Interim arrangements pricing-related information.....	1265
<b>Part F</b>	<b>Reform of Regulatory Test Principles (2006 amendments) .....</b>	<b>1265</b>

<b>11.7</b>	<b>Rules consequent on making of the National Electricity Amendment (Reform of the Regulatory Test Principles) Rule 2006.....</b>	<b>1265</b>
11.7.1	Definitions.....	1265
11.7.2	Amending Rule does not affect old clause 5.6.5A.....	1266
<b>Part G</b>	<b>Pricing of Prescribed Transmission Services (2006 amendments) .....</b>	<b>1266</b>
<b>11.8</b>	<b>Rules consequent on making the National Electricity Amendment (Pricing of Prescribed Transmission Services) Rule 2006.....</b>	<b>1266</b>
11.8.1	Definitions.....	1266
11.8.2	Regulated interconnectors.....	1267
11.8.3	Application of new Part J of Chapter 6A to Transmission Network Service Providers .....	1267
11.8.4	Reliance on agreed interim guideline for ElectraNet, SPAusNet, and VenCorp .....	1267
11.8.5	Prudent discounts under existing agreements .....	1268
11.8.6	Application of prudent discounts regime under rule 6A.26.....	1268
11.8.7	Prudent discounts pending approval of pricing methodology .....	1268
<b>Part H</b>	<b>Reallocations (2007 amendments) .....</b>	<b>1269</b>
<b>11.9</b>	<b>Rules consequent on the making of the National Electricity Amendment (Reallocation) Rule 2007 .....</b>	<b>1269</b>
11.9.1	Definitions.....	1269
11.9.2	Existing and transitional reallocations .....	1270
<b>Part I</b>	<b>Technical Standards for Wind Generation (2007 amendments).....</b>	<b>1270</b>
<b>11.10</b>	<b>Rules consequent on making of the National Electricity Amendment (Technical Standards for Wind Generation and other Generator Connections) Rule 2007 .....</b>	<b>1270</b>
11.10.1	Definitions.....	1270
11.10.2	Provision of information under S5.2.4 in registration application.....	1270
11.10.3	Access standards made under the old Chapter 5.....	1271
11.10.4	Modifications to plant by Generators .....	1271
11.10.5	Technical Details to Support Application for Connection and Connection Agreement .....	1271
11.10.6	Transitional arrangements for establishment of performance standards .....	1272
11.10.7	Jurisdictional Derogations for Queensland.....	1272
<b>11.10A</b>	<b>Rules consequent on the making of the National Electricity Amendment (Central Dispatch and Integration of Wind and Other Intermittent Generation) Rule 2008.....</b>	<b>1272</b>
11.10A.1	Definitions.....	1272
11.10A.2	Registration and reclassification of classified generating units .....	1273
11.10A.3	Registered generating unit .....	1274
11.10A.4	Classification of potential semi-scheduled generating unit .....	1274
11.10A.5	Participant fees.....	1274
11.10A.6	Timetable .....	1275
11.10A.7	Procedure for contribution factors for ancillary service transactions .....	1275

11.10A.8	Guidelines for energy conversion model information .....	1275
<b>Part J</b>	<b>Cost Recovery of Localised Regulation Services (2007 amendments) .....</b>	<b>1276</b>
<b>11.11</b>	<b>Rules consequent on making of the National Electricity Amendment (Cost Recovery of Localised Regulation Services) Rule 2007.....</b>	<b>1276</b>
11.11.1	Definitions.....	1276
11.11.2	Action taken by NEMMCO for the purposes of Amending Rule .....	1276
11.12	[Deleted] .....	1276
<b>Part L</b>	<b>[Deleted].....</b>	<b>1276</b>
<b>Division 1</b>	<b>General Provisions .....</b>	<b>1280</b>
11.14	General provisions .....	1280
11.14.1	Application of this Division.....	1280
11.14.2	Definitions.....	1280
11.14.3	Preservation of old regulatory regime.....	1281
11.14.4	Transfer of regulatory responsibility .....	1282
11.14.5	Special requirements with regard to ring fencing .....	1282
11.14.6	Additional requirements with regard to cost allocation.....	1283
11.14.7	Construction of documents .....	1283
<b>Part M</b>	<b>Economic Regulation of Distribution Services (2007 amendments) .....</b>	<b>1280</b>
<b>Division 1</b>	<b>General Provisions .....</b>	<b>1280</b>
11.14	General provisions .....	1280
<b>Division 2</b>	<b>[Deleted].....</b>	<b>1284</b>
<b>Division 3</b>	<b>Transitional arrangements for first distribution determination for Queensland Distribution Network Service Providers .....</b>	<b>1284</b>
11.16	Transitional arrangements for first distribution determination for Queensland Distribution Network Service Providers .....	1284
<b>Division 4</b>	<b>Transitional provisions of specific application to Victoria .....</b>	<b>1287</b>
11.17	Transitional provisions of specific application to Victoria.....	1287
<b>Part N</b>	<b>Registration of Foreign Based Persons and Corporations as Trader Class Participants (2007 amendments).....</b>	<b>1290</b>
<b>11.18</b>	<b>Rules consequential on the making of the National Electricity Amendment (Registration of Foreign Based Persons and Corporations as Trader Class Participants) Rule 2007.....</b>	<b>1290</b>
11.18.1	Definitions.....	1290
11.18.2	Auction rules .....	1290
<b>Part O</b>	<b>Process for Region Change (2007 amendments) .....</b>	<b>1290</b>
<b>11.19</b>	<b>Rules consequent on making of the National Electricity Amendment (Process for Region Change) Rule 2007.....</b>	<b>1290</b>
11.19.1	Definitions.....	1290
11.19.2	Regions Publication .....	1290
<b>Part P</b>	<b>Integration of NEM Metrology Requirements.....</b>	<b>1291</b>

<b>11.20</b>	<b>Rules consequential on the making of the National Electricity Amendment (Integration of NEM Metrology Requirements) Rule 2008.....</b>	<b>1291</b>
11.20.1	Definitions.....	1291
11.20.2	Metering installations for non-market generating units immediately prior to 30 June 2008 .....	1291
11.20.3	First-tier load metering installations .....	1292
11.20.4	First-tier load metering installations in Victoria.....	1292
11.20.5	Minimalist Transitioning Approach in Queensland.....	1292
11.20.6	First-tier jurisdictional requirements publication.....	1292
11.20.7	Metrology procedure.....	1293
<b>Part PA</b>	<b>Reliability Settings: Information Safety Net and Directions .....</b>	<b>1293</b>
11.21	Rules consequential on the making of the National Electricity Amendment (NEM Reliability Settings: Information Safety Net and Directions) Rule 2008 .....	1293
<b>Part Q</b>	<b>Regulatory Test Thresholds and Information Disclosure on Network Replacements.....</b>	<b>1294</b>
<b>11.22</b>	<b>Rules consequential on the making of the National Electricity Amendment (Regulatory Test Thresholds and Information Disclosure on Network Replacements) Rule 2008.....</b>	<b>1294</b>
11.22.1	Definitions.....	1294
11.22.2	Amending Rule does not affect existing regulatory test .....	1295
<b>Part R</b>	<b>Performance Standard Compliance of Generators .....</b>	<b>1295</b>
<b>11.23</b>	<b>Rules consequential on the making of the National Electricity Amendment (Performance Standards Compliance of Generators) Rule 2008.....</b>	<b>1295</b>
11.23.1	Definitions.....	1295
11.23.2	Application of rule 11.23 for compliance programs implemented immediately after the commencement of the Amending Rule .....	1295
11.23.3	Application of rule 11.23 for compliance programs implemented immediately prior to the commencement of the Amending Rule.....	1296
11.23.4	Application of rule 11.23 for compliance programs not implemented immediately prior to the commencement of the Amending Rule .....	1296
<b>Part S</b>	<b>[Deleted].....</b>	<b>1296</b>
<b>Part U</b>	<b>Confidentiality Arrangements concerning Information required for Power System Studies .....</b>	<b>1296</b>
<b>11.25</b>	<b>Rule consequential on the making of the National Electricity Amendment (Confidentiality Arrangements in Respect of Information Required for Power System Studies) Rule 2009.....</b>	<b>1296</b>
11.25.1	Definitions.....	1296
11.25.2	Transitional arrangements for the provision of information.....	1296
<b>Part V</b>	<b>WACC Reviews: Extension of Time .....</b>	<b>1298</b>
<b>11.26</b>	<b>Rule consequential on the making of the National Electricity Amendment (WACC Reviews: Extension of Time) Rule 2009.....</b>	<b>1298</b>
11.26.1	Definitions.....	1298

11.26.2	Extension of time to submit a regulatory proposal for the regulatory control period 2010-2015.....	1298
<b>Part W</b>	<b>National Transmission Statement .....</b>	<b>1298</b>
<b>11.27</b>	<b>Rules consequent on the making of the National Electricity Amendment (National Transmission Statement) Rule 2009.....</b>	<b>1298</b>
11.27.1	Definitions.....	1298
11.27.2	Purpose.....	1299
11.27.3	Application of rule 11.27 .....	1299
11.27.4	National Transmission Statement .....	1299
11.27.5	Scope and Content of National Transmission Network Development Plan.....	1301
11.27.6	Energy Adequacy Assessment Projection .....	1301
11.27.7	Amendment to Last Resort Power .....	1302
11.27.8	Actions taken prior to commencement of Rule .....	1302
<b>Part X</b>	<b>National Transmission Planning .....</b>	<b>1302</b>
<b>11.28</b>	<b>Rules consequential on the making of the National Electricity (Australian Energy Market Operator) Amendment Rules 2009.....</b>	<b>1302</b>
11.28.1	Definitions.....	1302
11.28.2	Jurisdictional planning bodies and representatives.....	1302
11.28.3	Criteria and guidelines published by Inter-regional Planning Committee.....	1303
11.28.4	Augmentation technical reports .....	1303
11.28.5	Last Resort Planning Power.....	1303
11.28.6	Inter-network power system tests .....	1304
11.28.7	Control and protection settings for equipment.....	1304
11.28.8	Revenue Proposals .....	1304
<b>Part Y</b>	<b>Regulatory Investment Test for Transmission.....</b>	<b>1304</b>
<b>11.29</b>	<b>Rules consequent on making of the National Electricity Amendment (Regulatory Investment Test for Transmission) Rule 2009.....</b>	<b>1304</b>
11.29.1	Definitions.....	1304
11.29.2	Period when Amending Rule applies to transmission investment.....	1305
<b>Part Z</b>	<b>Congestion Information Resource.....</b>	<b>1306</b>
11.30	Rules consequent on the making of the National Electricity Amendment (Congestion Information Resource) Rule 2009 .....	1306
11.30.1	Definitions.....	1306
11.30.2	Interim congestion Information resource .....	1306
<b>Part ZA</b>	<b>Reliability and emergency reserve trader (2009 amendments) .....</b>	<b>1308</b>
<b>11.31</b>	<b>Rules consequent on the making of the National Electricity Amendment (Improved RERT Flexibility and Short-notice Reserve Contracts) Rule 2009 .....</b>	<b>1308</b>
<b>Part ZB</b>	<b>Early Application of Market Impact Parameters.....</b>	<b>1310</b>
<b>11.32</b>	<b>Rules consequent on the making of the National Electricity Amendment (Early Implementation of Market Impact Parameters) Rule 2010 .....</b>	<b>1310</b>

11.32.1	Definitions.....	1310
<b>11.32.2</b>	<b>Purpose.....</b>	<b>1311</b>
<b>11.32.3</b>	<b>Early application of the market impact component of the service target performance incentive scheme.....</b>	<b>1311</b>
<b>Part ZC</b>	<b>Transparency of operating data .....</b>	<b>1314</b>
<b>11.33</b>	<b>Rules consequential on the making of National Electricity Amendment (Transparency of Operating Data) Rule 2010.....</b>	<b>1314</b>
<b>11.33.1</b>	<b>Definitions.....</b>	<b>1314</b>
<b>11.33.2</b>	<b>Spot market operations timetable .....</b>	<b>1314</b>
<b>Part ZD</b>	<b>Cost Recovery for Other Services Directions.....</b>	<b>1316</b>
<b>11.34</b>	<b>Rules consequent on making of the National Electricity Amendment (Cost Recovery for Other Services Directions) Rule 2010.....</b>	<b>1316</b>
11.34.1	Definitions.....	1316
11.34.2	Period when Amending Rules applies to funding of compensation .....	1317
<b>Part ZE</b>	<b>Payments under Feed-in Schemes and Climate Change Funds .....</b>	<b>1317</b>
<b>11.35</b>	<b>Rules consequential on the making of the National Electricity Amendment (Payments under Feed-in Schemes and Climate Change Funds) Rule 2010 .....</b>	<b>1317</b>
11.35.1	Definitions.....	1317
11.35.2	Application of recovery of jurisdictional scheme Rules.....	1318
11.35.3	Reporting on jurisdictional schemes .....	1319
11.35.4	Revocation and substitution of distribution determination for jurisdictional scheme recovery .....	1320
<b>Part ZF</b>	<b>Transitional Arrangements for Ministerial Smart Meter Roll Out Determinations .....</b>	<b>1321</b>
<b>11.36</b>	<b>Ministerial Smart Meter Roll Out Determinations .....</b>	<b>1321</b>
11.36.1	Definitions.....	1321
11.36.2	Meaning of relevant metering installation .....	1321
11.36.3	Period of application of rule to relevant metering installation .....	1322
11.36.4	Designation of responsible person .....	1322
11.36.5	[Deleted] .....	1322
11.36.6	[Deleted] .....	1322
<b>Part ZG</b>	<b>Provision of Metering Data Services and Clarification of Existing Metrology Requirements.....</b>	<b>1322</b>
<b>11.37</b>	<b>Rules consequential on the making of the National Electricity Amendment (Provision of Metering Data Services and Clarification of Existing Metrology Requirements) Rule 2010 .....</b>	<b>1322</b>
11.37.1	Definitions.....	1322
11.37.2	Commencement of special site or technology related conditions.....	1322
11.37.3	Initial service level procedures .....	1323
<b>Part ZH</b>	<b>Spot Market Operations Timetable .....</b>	<b>1323</b>

<b>11.38</b>	<b>Rules consequential on the making of National Electricity Amendment (Amendments to PASA-related Rules) Rule 2010 .....</b>	<b>1323</b>
11.38.1	Definitions.....	1323
11.38.2	Spot market operations timetable.....	1324
<b>Part ZI</b>	<b>DNSP Recovery of Transmission-related Charges .....</b>	<b>1324</b>
<b>11.39</b>	<b>Rules consequential on the making of the National Electricity Amendment (DNSP Recovery of Transmission-related Charges) Rule 2011 .....</b>	<b>1324</b>
11.39.1	Definitions.....	1324
11.39.2	Recovery by Victorian distribution network service providers during current regulatory control period.....	1325
11.39.3	Recovery by Victorian distribution network service providers for shared network augmentations.....	1326
11.39.4	Bairnsdale network support agreement.....	1326
11.39.5	Approval of pricing proposal .....	1326
11.39.6	Ergon Energy transitional charges .....	1326
11.39.7	Energex transitional charges .....	1326
<b>Part ZJ</b>	<b>Network Support and Control Ancillary Services.....</b>	<b>1326</b>
<b>11.40</b>	<b>Rules consequential on the making of the National Electricity Amendment (Network Support and Control Ancillary Services) Rule 2011.....</b>	<b>1326</b>
11.40.1	Definitions.....	1326
11.40.2	Purpose.....	1327
11.40.3	Existing NCAS contracts to continue .....	1327
11.40.4	Amendments to existing guidelines .....	1327
11.40.5	New procedures .....	1328
11.40.6	Decisions and actions taken prior to Amending Rule.....	1328
<b>Part ZK</b>	<b>Application of Dual Marginal Loss Factors .....</b>	<b>1328</b>
<b>11.41</b>	<b>Rules consequential on the making of the National Electricity Amendment (Application of Dual Marginal Loss Factors) Rule 2011.....</b>	<b>1328</b>
11.41.1	Definitions.....	1328
11.41.2	Amendments to loss factor methodology .....	1329
11.41.3	Procedure applying dual intra-regional loss factors in central dispatch and spot market transactions.....	1329
11.41.4	Publication of intra-regional loss factors .....	1329
<b>Part ZL</b>	<b>Tasmania Tranche 5a Procedure Changes.....</b>	<b>1329</b>
<b>11.42</b>	<b>Rules consequential on the making of the National Electricity Amendment (Tasmania Tranche 5a Procedure Changes) Rule 2011.....</b>	<b>1329</b>
11.42.1	Definitions.....	1329
11.42.2	AEMO may amend Relevant Procedures .....	1330
<b>Part ZM</b>	<b>Application and Operation of Administered Price Periods .....</b>	<b>1330</b>
<b>11.43</b>	<b>Rules consequential on the making of National Electricity Amendment (Application and Operation of Administered Price Periods) Rule 2011 .....</b>	<b>1330</b>

11.43.1	Definitions.....	1330
11.43.2	Administered Price Cap Schedule .....	1331
<b>Part ZO</b>	<b>Negative Intra-regional Settlements Residue .....</b>	<b>1331</b>
<b>11.45</b>	<b>Rules consequential on the making of National Electricity Amendment (Negative Intra-regional Settlements Residue) Rule 2012.....</b>	<b>1331</b>
11.45.1	Definitions.....	1331
11.45.2	Recovery of negative settlements residue prior to consultation under the Amending Rule .....	1332
11.45.3	First consultation on negative intra-regional settlements residue procedure.....	1332
<b>Part ZP</b>	<b>Interim Connection Charging Rules .....</b>	<b>1333</b>
<b>11.46</b>	<b>Rules consequential to the insertion of Chapter 5A by the National Electricity (National Energy Retail Law) Amendment Rule 2012.....</b>	<b>1333</b>
Division 1	Preliminary.....	1333
Division 2	Jurisdictional differences .....	1335
Division 3	General provisions .....	1343
<b>Part ZQ</b>	<b>NSW transitional retail support and credit support rules.....</b>	<b>1343</b>
<b>11.47</b>	<b>Rules consequential on the insertion of Chapter 6B by the National Electricity (National Energy Retail Law) Amendment Rule 2012.....</b>	<b>1343</b>
Division 1	Preliminary.....	1343
<b>Part ZR</b>	<b>Miscellaneous transitional rules—NERL .....</b>	<b>1349</b>
<b>11.48</b>	<b>Rules consequential on the making of the National Electricity (National Energy Retail Law) Amendment Rule 2012.....</b>	<b>1349</b>
11.48.1	Extension of time period for AER to consider certain pass through applications .....	1349
<b>Part ZS</b>	<b>Cost pass through arrangements for Network Service Providers.....</b>	<b>1350</b>
<b>11.49</b>	<b>Rules consequential on the making of National Electricity Amendment (Cost pass through arrangements for Network Service Providers) Rule 2012 .....</b>	<b>1350</b>
<b>11.49.1</b>	<b>Definitions.....</b>	<b>1350</b>
<b>11.49.2</b>	<b>Terrorism event is a cost pass through event in the current regulatory control period .....</b>	<b>1350</b>
<b>11.49.3</b>	<b>Transitional arrangement for Powerlink.....</b>	<b>1350</b>
<b>11.49.4</b>	<b>Transitional arrangements for ElectraNet and Murraylink .....</b>	<b>1351</b>
<b>Part ZT</b>	<b>Distribution Network Planning and Expansion .....</b>	<b>1351</b>
<b>11.50</b>	<b>Rules consequential on the making of the National Electricity Amendment (Distribution Network Planning and Expansion) Rule 2012.....</b>	<b>1351</b>
11.50.1	Interpretation.....	1351

11.50.2	Definitions.....	1352
11.50.3	Timing for first Distribution Annual Planning Report .....	1352
11.50.4	Contents of Distribution Annual Planning Report.....	1352
11.50.5	Transition from the regulatory test to the regulatory investment test for distribution .....	1354
<b>Part ZU</b>	<b>New Prudential Standard and Framework in the NEM .....</b>	<b>1355</b>
<b>11.51</b>	<b>Rules consequential on the making of the National Electricity Amendment (New Prudential Standard and Framework in the NEM) Rule 2012.....</b>	<b>1355</b>
11.51.1	Definitions.....	1355
11.51.2	AEMO's responsibility to develop and publish the credit limit procedures .....	1355
11.51.3	Transition to the framework for determining prudential settings .....	1355
11.51.4	Prior consultation, step, decision or action taken by AEMO.....	1356
<b>Part ZV</b>	<b>Small Generation Aggregator Framework.....</b>	<b>1356</b>
<b>11.52</b>	<b>Rules consequential on the making of the National Electricity Amendment (Small Generation Aggregator Framework) Rule 2012.....</b>	<b>1356</b>
11.52.1	Definitions.....	1356
11.52.2	Commencement of participant fees as well as transactions, funding and settlements under Chapter 3 for Market Small Generation Aggregators.....	1357
11.52.3	Participant fees for Market Small Generation Aggregators.....	1357
11.52.4	Ancillary service transactions, funding of compensation for directions and intervention settlements for directions for Market Small Generation Aggregators.....	1358
11.52.5	Amendments to the carbon dioxide equivalent intensity index procedures .....	1358
11.52.6	Amendments of the metrology procedures .....	1359
11.52.7	Amendments to the Market Settlement and Transfer Solution Procedures .....	1359
<b>Part ZW</b>	<b>Economic Regulation of Network Service Providers (2012 amendments) .....</b>	<b>1360</b>
<b>Division 1</b>	<b>Miscellaneous transitional provisions .....</b>	<b>1360</b>
11.53	Publication of Chapter 6 Guidelines .....	1360
11.54	Publication of Chapter 6A Guidelines .....	1361
<b>Division 2</b>	<b>Transitional provisions for NSW/ACT Distribution Network Service Providers .....</b>	<b>1363</b>
11.55	General provisions .....	1363
11.56	Special provisions applying to affected DNSPs .....	1366
<b>Division 3</b>	<b>Transitional provisions for NSW and Tasmanian Transmission Network Service Providers and Directlink.....</b>	<b>1378</b>
11.57	General provisions .....	1378
11.58	Special provisions applying to affected TNSPs .....	1381
<b>Division 4</b>	<b>Transitional provisions for the Victorian TNSP .....</b>	<b>1390</b>
11.59	Special provisions applying to the Victorian TNSP .....	1390

<b>Division 5</b>	<b>Transitional provisions for Qld/SA and Victorian Distribution Network Service Providers.....</b>	<b>1392</b>
11.60	Special provisions applying to the Qld/SA and Victorian Distribution Network Service Providers .....	1392
<b>Division 6</b>	<b>Review of past capital expenditure.....</b>	<b>1398</b>
11.61	Definitions and application .....	1398
11.62	Review of past capital expenditure under Chapter 6 .....	1398
11.63	Review of past capital expenditure under Chapter 6A .....	1399
<b>Part ZX</b>	<b>Inter-regional Transmission Charging .....</b>	<b>1399</b>
<b>11.64</b>	<b>Rules consequent on the making of the National Electricity Amendment (Inter-regional Transmission Charging) Rule 2013 .....</b>	<b>1399</b>
11.64.1	Definitions.....	1399
11.64.2	Amendments to the pricing methodology guidelines .....	1400
11.64.3	Amendments to the pricing methodologies of Transmission Network Service Providers .....	1400
11.64.4	Commencement of clause 6A.23.3(f) for further adjustments .....	1401
<b>Part ZY</b>	<b>Network Service Provider Expenditure Objectives.....</b>	<b>1401</b>
<b>11.65</b>	<b>Rules consequent on the making of the National Electricity Amendment (Network Service Provider Expenditure Objectives) Rule 2013 .....</b>	<b>1401</b>
11.65.1	Definitions.....	1401
11.65.2	Application of rule 11.65 .....	1402
<b>Part ZZ</b>	<b>Access to NMI Standing Data .....</b>	<b>1402</b>
<b>11.66</b>	<b>Rules consequent on the making of the National Electricity Amendment (Access to NMI Standing Data) Rule 2013 .....</b>	<b>1402</b>
11.66.1	Definitions.....	1402
11.66.2	Minor amendment of the Market Settlement and Transfer Solution Procedures .....	1402
<b>Part ZZA</b>	<b>Publication of Zone Substation Data.....</b>	<b>1403</b>
<b>11.67</b>	<b>Rules consequent on the making of the National Electricity Amendment (Publication of Zone Substation Data) Rule 2014.....</b>	<b>1403</b>
11.67.1	Definitions.....	1403
11.67.2	Distribution Network Service Providers' obligations to commence on the next DAPR date .....	1403
<b>Part ZZB</b>	<b>Connecting Embedded Generators .....</b>	<b>1403</b>
<b>11.68</b>	<b>Rules consequential on the making of the National Electricity Amendment (Connecting embedded generators) Rule 2014 .....</b>	<b>1403</b>
11.68.1	Definitions.....	1403
11.68.2	Continuation of enquiries lodged .....	1404
<b>Part ZZC</b>	<b>Customer access to information about their energy consumption.....</b>	<b>1404</b>
<b>11.69</b>	<b>Rules consequential on the making of the National Electricity Amendment (Customer access to information about their energy consumption) Rule 2014.....</b>	<b>1404</b>
11.69.1	Definitions.....	1404

11.69.2	AEMO to develop and publish the metering data provision procedure.....	1404
<b>Part ZZD</b>	<b>National Electricity Amendment (Distribution Network Pricing Arrangements) Rule 2014.....</b>	<b>1404</b>
<b>Division 1</b>	<b>Miscellaneous transitional provisions .....</b>	<b>1404</b>
11.70	General provisions .....	1404
11.70.1	Definitions.....	1404
<b>Division 2</b>	<b>Transitional provisions for NSW/ACT and Qld/SA Distribution Network Service Providers.....</b>	<b>1407</b>
11.72	General provisions .....	1407
11.772.1	Definitions.....	1407
<b>Division 3</b>	<b>Transitional provisions for Tasmanian Distribution Network Service Provider .....</b>	<b>1414</b>
11.74	Application of former Chapter 6.....	1414
<b>Division 4</b>	<b>Transitional provisions for Victorian Distribution Network Service Providers .....</b>	<b>1414</b>
11.75	General provisions .....	1414
11.75.1	Definitions.....	1414
11.76	Special provisions applying to affected DNSPs .....	1414
11.76.1	Distribution determination and pricing proposals.....	1414
11.76.2	Tariff structure statement.....	1415
<b>Part ZZE</b>	<b>Early Application of Network Capability Component (STPIS) .....</b>	<b>1421</b>
<b>11.77</b>	<b>Rules consequent on the making of the National Electricity Amendment (Early Application of Service Target Performance Incentive Scheme (STPIS) Components for Transmission Businesses) Rule 2015 .....</b>	<b>1421</b>
11.77.1	Definitions.....	1421
11.77.2	Purpose.....	1422
11.77.3	Earlier application of the network capability component of the service target performance incentive scheme .....	1422
<b>Part ZZF</b>	<b>National Electricity Amendment (Governance arrangements and implementation of the reliability standard and settings) Rule 2015.....</b>	<b>1424</b>
<b>11.78</b>	<b>Rules consequent on the making of the National Electricity Amendment (Governance arrangements and implementation of the reliability standards and settings) Rule 2015 .....</b>	<b>1424</b>
11.78.1	Definitions.....	1424
11.78.2	Existing power system security and reliability standards .....	1425
11.78.3	Reliability standard and settings guidelines.....	1425
11.78.4	Reliability standard implementation guidelines.....	1425
<b>Part ZZG</b>	<b>Improving demand side participation information provided to AEMO by registered participants .....</b>	<b>1428</b>
<b>11.79</b>	<b>Rules consequential on making of the National Electricity Amendment (Improving demand side participation</b>	

	<b>information provided to AEMO by registered participants)</b>	
	<b>Rule 2015.....</b>	<b>1428</b>
<b>11.79.1</b>	<b>AEMO to develop and publish the demand side participation information guidelines .....</b>	<b>1428</b>
<b>Part ZZH</b>	<b>Transitional Arrangements for Aligning TasNetworks' regulatory control periods.....</b>	<b>1428</b>
<b>11.80</b>	<b>National Electricity Amendment (Aligning TasNetworks' regulatory control periods) Rule 2015 .....</b>	<b>1428</b>
11.80.1	Definitions.....	1428
11.80.2	Application of rule 11.80 .....	1429
11.80.3	Next regulatory control period.....	1429
11.80.4	Subsequent regulatory control period .....	1429
<b>Part ZZI</b>	<b>System Restart Ancillary Services.....</b>	<b>1429</b>
<b>11.81</b>	<b>Rules consequential on the making of the National Electricity Amendment (System Restart Ancillary Services) Rule 2015 .....</b>	<b>1429</b>
11.81.1	Definitions.....	1429
11.81.2	System restart standard .....	1430
11.81.3	SRAS Guideline.....	1430
11.81.4	Regional Benefit Ancillary Services Procedures .....	1430
11.81.5	Consultation prior to the Commencement Date.....	1430
11.81.6	Existing SRAS Contract .....	1430
<b>Part ZZJ</b>	<b>Demand management incentive scheme .....</b>	<b>1431</b>
<b>11.82</b>	<b>Rules consequential on making of the National Electricity Amendment (Demand management incentive scheme) Rule 2015.....</b>	<b>1431</b>
11.82.1	Definitions.....	1431
11.82.2	AER to develop and publish the demand management incentive scheme and demand management innovation allowance mechanism ....	1431
<b>Part ZZK</b>	<b>AEMO access to demand forecasting information .....</b>	<b>1431</b>
<b>11.83</b>	<b>Rules consequential on the making of the National Electricity Amendment (AEMO access to demand forecasting information) Rule 2015.....</b>	<b>1431</b>
11.83.1	AEMO to include supporting information in NTNDP database.....	1431
<b>Part ZZL</b>	<b>Compensation arrangements following application of an Administered Price Cap or Administered Floor Price .....</b>	<b>1432</b>
<b>11.84</b>	<b>Rules consequential on the making of the National Electricity Amendment (Compensation Arrangements following application of an Administered Price Cap and Administered Floor Price) Rule 2016 .....</b>	<b>1432</b>
11.84.1	Definitions.....	1432
<b>11.84.2</b>	<b>Compensation Guidelines.....</b>	<b>1432</b>
<b>Part ZZM</b>	<b>Common definitions of distribution reliability measures.....</b>	<b>1432</b>

<b>11.85</b>	<b>Rules consequential on the making of the National Electricity Amendment (Common definitions of distribution reliability measures) Rule 2015 .....</b>	<b>1432</b>
11.85.1	Definitions.....	1432
11.85.2	Distribution reliability measures guidelines .....	1433
11.85.3	Amended STPIS.....	1433
<b>Part ZZN</b>	<b>Expanding competition in metering and metering related services .....</b>	<b>1433</b>
<b>11.86</b>	<b>Rules consequent on making of the National Electricity Amendment (Expanding competition in metering and related services) Rule 2015 .....</b>	<b>1433</b>
11.86.1	Definitions.....	1433
11.86.2	References to old Chapter 7 .....	1433
11.86.3	References to provisions of the old Chapter 7 .....	1434
11.86.4	References to responsible person.....	1434
11.86.5	Continued operation of old Rules until the effective date .....	1434
11.86.6	New and amended procedures .....	1434
11.86.7	Metering Coordinator for type 5 or 6 metering installation from effective date.....	1435
11.86.8	Distribution Ring Fencing Guidelines .....	1437
11.86.9	[Deleted] .....	1438
<b>Part ZZO</b>	<b>Embedded Networks.....</b>	<b>1438</b>
<b>11.87</b>	<b>Rules consequential on the making of the National Electricity Amendment (Embedded Networks) Rule 2015 .....</b>	<b>1438</b>
11.87.1	Definitions.....	1438
11.87.2	Amended Procedures and NMI Standing Data Schedule .....	1438
11.87.3	ENM service level procedures and guide to embedded networks and list of Embedded Network Managers.....	1439
11.87.4	Exemptions under section 13 of the National Electricity Law .....	1439
<b>Part ZZP</b>	<b>Meter Replacement Processes.....</b>	<b>1439</b>
<b>11.88</b>	<b>Rules consequential on the making of the National Electricity Amendment (Meter Replacement Processes) Rule 2016.....</b>	<b>1439</b>
11.88.1	Definitions.....	1439
11.88.2	Amended Procedures .....	1439
<b>Part ZZQ</b>	<b>Energy Adequacy Assessment Projection.....</b>	<b>1440</b>
<b>11.89</b>	<b>Rules consequential to the National Electricity Amendment (Energy Adequacy Assessment Projection timeframes) Rule 2016.....</b>	<b>1440</b>
11.89.1	Amended guideline and timetable .....	1440
<b>Part ZZR</b>	<b>Reliability and emergency reserve trader (2016 amendments) .....</b>	<b>1440</b>
<b>11.90</b>	<b>Rules consequent on the making of the National Electricity Amendment (Extension of the Reliability and Emergency Reserve Trader) Rule 2016 .....</b>	<b>1440</b>
11.90.1	Definitions.....	1440
11.90.2	Amendments to Reliability Panel's RERT Guidelines.....	1441
11.90.3	Amendments to AEMO's RERT procedures .....	1441

11.90.4	Reserve contracts entered into before Schedule 2 commencement date .....	1441
<b>Part ZZS</b>	<b>Updating the electricity B2B framework.....</b>	<b>1441</b>
<b>11.91</b>	<b>Rules consequential on the making of the National Electricity Amendment (Updating the electricity B2B framework) rule 2016.....</b>	<b>1441</b>
<b>11.91.1</b>	<b>Definitions.....</b>	<b>1441</b>
<b>11.91.2</b>	<b>B2B Procedures.....</b>	<b>1442</b>
<b>11.91.3</b>	<b>Information Exchange Committee Election Procedures and Information Exchange Committee Operating Manual .....</b>	<b>1442</b>
<b>11.91.4</b>	<b>The New IEC .....</b>	<b>1443</b>
<b>11.91.5</b>	<b>Amended Procedures.....</b>	<b>1444</b>
<b>11.91.6</b>	<b>B2B e-Hub Participant accreditation process .....</b>	<b>1445</b>
<b>11.91.7</b>	<b>New IEC Budget and 2016 Annual Report .....</b>	<b>1445</b>
<b>11.91.8</b>	<b>Cost recovery .....</b>	<b>1446</b>
<b>Part ZZT</b>	<b>Application of Offsets in the Prudential Margin Calculation.....</b>	<b>1446</b>
<b>11.92</b>	<b>Rules consequential on the making of the National Electricity Amendment (Application of Offsets in the Prudential Margin Calculation) Rule 2016 .....</b>	<b>1446</b>
11.92.1	Definitions.....	1446
11.92.2	Amended procedures .....	1447
<b>Part ZZU</b>	<b>Rate of Return Guidelines Review .....</b>	<b>1447</b>
<b>11.93</b>	<b>Rules consequential on the making of the National Electricity Amendment (Rate of Return Guidelines Review) Rule 2016 .....</b>	<b>1447</b>
11.93.1	Definitions.....	1447
11.93.2	Application of current rate of return guidelines to making of a distribution determination for the subsequent regulatory control period .....	1448
<b>Part ZZW</b>	<b>Local Generation Network Credits .....</b>	<b>1449</b>
<b>11.95</b>	<b>Rules consequential on the making of the National Electricity Amendment (Local Generation Network Credits) Rule 2016 .....</b>	<b>1449</b>
11.95.1	Definitions.....	1449
11.95.2	System initiation template.....	1449
<b>Part ZXZ</b>	<b>Retailer-Distributor Credit Support Requirements .....</b>	<b>1449</b>
<b>11.96</b>	<b>Rules consequent on the making of the National Electricity Amendment (Retailer Distributor Credit Support Requirements) Rule 2017 No. 1 .....</b>	<b>1449</b>
11.96.1	Definitions.....	1449
11.96.2	Continued operation of old Chapter 6B .....	1449
11.96.3	Interaction with Chapter 6 .....	1450
11.96.4	Application of new Chapter 6B .....	1450
<b>Part ZZY</b>	<b>Emergency Frequency Control Schemes .....</b>	<b>1450</b>

<b>11.97</b>	<b>Rules consequent on the making of the National Electricity Amendment (Emergency frequency control schemes) Rule 2017 .....</b>	<b>1450</b>
11.97.1	Definitions .....	1450
11.97.2	Interim frequency operating standards for protected events .....	1451
<b>11.97.3</b>	<b>First power system frequency risk review .....</b>	<b>1452</b>
<b>11.97.4</b>	<b>AEMO must review existing load shedding procedures .....</b>	<b>1452</b>
<b>11.97.5</b>	<b>Load shedding procedures .....</b>	<b>1452</b>