

# National Electricity Rules

## Version 118

### Status Information

This is the latest electronically available version of the National Electricity Rules as at 1 February 2019.

This consolidated version of the National Electricity Rules was last updated on 1 February 2019 as a result of the commencement of the following amendments:

National Electricity Amendment (Metering installation timeframes) Rule 2018 No. 15

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:

Schedules 1 to 3 of the National Electricity Amendment (Register of distributed energy resources) Rule 2018 No. 9 will commence operation on 1 December 2019.

Schedules 1 to 6 of the National Electricity Amendment (Five minute settlement) Rule 2017 No. 15 will commence operation on 1 July 2021.

Schedule 2 of the National Electricity Amendment (Participant compensation following market suspension) Rule 2018 No. 13 will commence operation on 1 July 2021, immediately after commencement of the National Electricity Amendment (Five minute settlement) Rule 2017 No. 15.

Schedules 1 to 4 of the National Electricity Amendment (Global settlement and market reconciliation) Rule 2018 No. 14 will commence operation on 6 February 2022.

**TABLE OF CONTENTS**

- 1. Introduction..... 3**
- 1.1 Preliminary ..... 3**
  - 1.1.1 References to the Rules..... 3
  - 1.1.2 Italicised expressions ..... 3
  - 1.1.3 [Deleted] ..... 3
- 1.2 Background ..... 3**
- 1.3 Nomenclature of and references to provisions of a Chapter..... 3**
  - 1.3.1 Introduction..... 3
  - 1.3.2 Parts, Divisions and Subdivisions..... 3
  - 1.3.3 Rules, clauses, paragraphs, subparagraphs and other items..... 4
- 1.4 Effect of renumbering of provisions of the Rules ..... 5**
- 1.5 [Deleted] ..... 5**
- 1.6 [Deleted] ..... 5**
- 1.7 Interpretation ..... 5**
  - 1.7.1 General..... 5
- 1.8 Notices ..... 6**
  - 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
- 1.9 Retention of Records and Documents ..... 8**
- 1.10 [Deleted] ..... 8**
- 1.11 AEMO Rule Funds ..... 8**
  
- 2. Registered Participants and Registration..... 13**
- 2.1 Registered Participants ..... 13**
  - 2.1.1 Purpose..... 13
  - 2.1.2 General..... 13
- 2.2 Generator ..... 13**
  - 2.2.1 Registration as a Generator ..... 13
  - 2.2.2 Scheduled Generator ..... 15
  - 2.2.3 Non-Scheduled Generator..... 16
  - 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
- 2.3 Customer..... 21**
  - 2.3.1 Registration as a Customer ..... 21
  - 2.3.2 First-Tier Customer..... 22
  - 2.3.3 Second-Tier Customer ..... 22

- 2.3.4 Market Customer ..... 22
- 2.3.5 Ancillary services load..... 23
- 2.3A Small Generation Aggregator ..... 26**
- 2.3A.1 Registration ..... 26
- 2.3AA Market Ancillary Service Provider ..... 27**
- 2.3AA.1 Registration ..... 27
- 2.4 Market Participant ..... 27**
- 2.4.1 Registration as a category of Market Participant..... 27
- 2.4.2 Eligibility ..... 28
- 2.4A Metering Coordinator ..... 28**
- 2.4A.1 Registration as a Metering Coordinator ..... 28
- 2.4A.2 Eligibility ..... 29
- 2.5 Network Service Provider ..... 30**
- 2.5.1 Registration as a Network Service Provider ..... 30
- 2.5.1A Dedicated Connection Asset Service Provider ..... 31
- 2.5.2 Market Network Service ..... 32
- 2.5.3 Scheduled Network Service ..... 33
- 2.5A Trader ..... 34**
- 2.5B Reallocator ..... 35**
- 2.6 Special Participant ..... 36**
- 2.7 Intention to Commence Activities or Functions..... 36**
- 2.8 Registered Participant Rights and Obligations..... 37**
- 2.8.1 Rights and obligations..... 37
- 2.9 Application to be Registered as a Registered Participant..... 37**
- 2.9.1 Applications for Registration..... 37
- 2.9.2 Registration as a Registered Participant ..... 37
- 2.9.3 Registration as an Intermediary ..... 38
- 2.9A Transfer of Registration ..... 39**
- 2.9A.1 Definitions..... 39
- 2.9A.2 Applications for Transfer of Registration ..... 40
- 2.9A.3 Approval for Transfer of Registration ..... 40
- 2.10 Ceasing to be a Registered Participant ..... 41**
- 2.10.1 Notification of intention..... 41
- 2.10.2 Ceasing Participation ..... 44
- 2.10.3 Liability after cessation..... 44
- 2.11 Participant Fees..... 44**
- 2.11.1A Application..... 44
- 2.11.1 Development of Participant fee structure ..... 44
- 2.11.2 Payment of Participant fees ..... 47
- 2.11.3 Budgeted revenue requirements..... 48
- 2.12 Interpretation of References to Various Registered Participants ..... 49**
  
- 2A. Regional Structure ..... 55**

- Part A                    Region change applications and region determinations by AEMC ..... 55**
- 2A.1                    Introduction to Chapter 2A ..... 55**
- 2A.1.1                Definitions..... 55
- 2A.1.2                AEMC determination of regions..... 55
- 2A.1.3                Publication of regions by AEMO ..... 55
- 2A.2                    Region change applications ..... 55**
- 2A.2.1                A complete region change application..... 55
- 2A.2.2                Identifying a congestion problem ..... 56
- 2A.2.3                Explanation of economic efficiency of proposed region solution ..... 56
- 2A.2.4                Region change application must be technically competent ..... 57
- 2A.2.5                Alternative congestion management options ..... 57
- 2A.2.6                Previous application relating to congestion problem..... 58
- 2A.2.7                AEMO to provide information to intending applicants ..... 58
- 2A.2.8                AEMC may refuse to accept incomplete applications..... 59
- 2A.3                    Acceptance of region change application by AEMC ..... 59**
- 2A.3.1                Acceptance of a region change application by AEMC ..... 59
- 2A.3.2                Preliminary consultation prior to acceptance of a region change application..... 60
- 2A.4                    First round consultation on region change application..... 61**
- 2A.4.1                Notice of first round consultation ..... 61
- 2A.4.2                Right to make written submissions during first round consultation period ..... 61
- 2A.4.3                Alternative region solution put forward by third parties ..... 61
- 2A.4.4                Acceptance as a formal alternative region solution by AEMC..... 62
- 2A.5                    Provision of supplementary economic analysis..... 63**
- 2A.5.1                AEMC may direct provision of supplementary analysis ..... 63
- 2A.5.2                AEMC may direct AEMO to provide information ..... 63
- 2A.6                    Region determinations..... 64**
- 2A.6.1                AEMC powers to make a region determination ..... 64
- 2A.6.2                Matters for consideration in making region determination..... 64
- 2A.7                    Draft region determination and second round consultation..... 65**
- 2A.7.1                Publishing of draft region determination ..... 65
- 2A.7.2                Second round consultation ..... 65
- 2A.7.3                Right to make written submissions during second round consultation ..... 66
- 2A.8                    Final region determination..... 66**
- 2A.8.1                Final determination for region change ..... 66
- 2A.8.2                Formal publication of region determination ..... 66
- 2A.9                    Miscellaneous matters for region change process..... 66**
- 2A.9.1                AEMC may extend periods of time specified in Chapter 2A ..... 66
- 2A.9.2                Consultation meeting in relation to region change application ..... 67
- Part B                    Implementation of region determination..... 67**
- 2A.10                    Purpose and application of Part B ..... 67**
- 2A.10.1                Purpose of Part B ..... 67

2A.10.2	Application of Part B .....	68
<b>2A.11</b>	<b>Region Change Implementation Procedure .....</b>	<b>68</b>
2A.11.1	Submission of draft Region Change Implementation Procedure.....	68
2A.11.2	Approved Region Change Implementation Procedure .....	68
<b>2A.12</b>	<b>AEMO region change implementation functions.....</b>	<b>69</b>
2A.12.1	General implementation functions.....	69
2A.12.2	Implementation functions referable to published implementation procedure.....	69
2A.12.3	Amendment of current or subsequent Regions and Loss Factors Publication .....	69
<b>2A.13</b>	<b>Continuity of regions .....</b>	<b>69</b>
<b>Schedule 2A.1</b>	<b>Glossary for Chapter 2A .....</b>	<b>70</b>
<b>3.</b>	<b>Market Rules .....</b>	<b>75</b>
<b>3.1</b>	<b>Introduction to Market Rules .....</b>	<b>75</b>
3.1.1	Purpose.....	75
3.1.1A	Definitions.....	75
3.1.2	[Deleted] .....	76
3.1.3	[Deleted] .....	76
3.1.4	Market design principles.....	76
3.1.5	Time for undertaking action.....	77
<b>3.2</b>	<b>AEMO's Market Responsibilities.....</b>	<b>77</b>
3.2.1	Market functions of AEMO .....	77
3.2.2	Spot market .....	78
3.2.3	Power system operations.....	78
3.2.4	Non-market ancillary services function .....	78
3.2.5	[Deleted] .....	79
3.2.6	Settlements .....	79
<b>3.3</b>	<b>Prudential Requirements .....</b>	<b>79</b>
3.3.1	Market Participant criteria .....	79
3.3.2	Credit support.....	79
3.3.3	Acceptable credit criteria .....	80
3.3.4	Acceptable credit rating .....	81
3.3.4A	Prudential standard.....	81
3.3.5	Amount of credit support .....	81
3.3.6	Changes to credit support.....	81
3.3.7	Drawings on credit support.....	82
3.3.8	Credit limit procedures and prudential settings .....	83
3.3.8A	Security Deposits .....	85
3.3.9	Outstandings .....	85
3.3.10	Trading limit .....	85
3.3.11	Call notices.....	86
3.3.12	Typical accrual.....	87
3.3.13	Response to Call Notices .....	87
3.3.13A	Application of monies in the security deposit fund .....	88
3.3.14	Potential value of a transaction .....	89
3.3.15	Trading margin.....	90

- 3.3.16 Limitation on entry of transactions ..... 90
- 3.3.17 Scheduled prices ..... 90
- 3.3.18 Additional credit support ..... 91
- 3.3.19 Consideration of other Market Participant transactions..... 91
  
- 3.4 Spot Market..... 91**
- 3.4.1 Establishment of spot market..... 91
- 3.4.2 Trading day and trading interval ..... 92
- 3.4.3 Spot market operations timetable..... 92
  
- 3.5 Regions ..... 93**
- 3.5.1 [Deleted] ..... 93
- 3.5.2 [Deleted] ..... 93
- 3.5.3 [Deleted] ..... 93
- 3.5.4 [Deleted] ..... 93
- 3.5.5 [Deleted] ..... 93
- 3.5.6 [Deleted] ..... 93
  
- 3.6 Network Losses and Constraints ..... 93**
- 3.6.1 Inter-regional losses ..... 93
- 3.6.2 Intra-regional losses ..... 95
- 3.6.2A Load and generation data used to determine inter-regional loss  
factor equations and intra-regional loss factors ..... 98
- 3.6.3 Distribution losses..... 100
- 3.6.4 Network constraints ..... 104
- 3.6.5 Settlements residue due to network losses and constraints..... 105
  
- 3.7 Projected Assessment of System Adequacy ..... 107**
- 3.7.1 Administration of PASA..... 107
- 3.7.2 Medium term PASA ..... 108
- 3.7.3 Short term PASA ..... 110
  
- 3.7A Congestion information resource ..... 113**
- 3.7B Unconstrained intermittent generation forecast ..... 116**
- 3.7C Energy Adequacy Assessment Projection..... 117**
- 3.7D Demand side participation information..... 121**
  
- 3.8 Central Dispatch and Spot Market Operation..... 123**
- 3.8.1 Central Dispatch..... 123
- 3.8.2 Participation in central dispatch..... 125
- 3.8.3 Bid and offer aggregation guidelines ..... 126
- 3.8.3A Ramp rates ..... 128
- 3.8.4 Notification of scheduled capacity..... 130
- 3.8.5 Submission timing ..... 132
- 3.8.6 Generating unit offers for dispatch ..... 132
- 3.8.6A Scheduled network service offers for dispatch ..... 134
- 3.8.7 Bids for scheduled load..... 136
- 3.8.7A Market ancillary services offers..... 138
- 3.8.8 Validation of dispatch bids and offers ..... 139
- 3.8.9 Default offers and bids..... 140
- 3.8.10 Network constraints ..... 141
- 3.8.11 Ancillary services constraints ..... 142

3.8.12	System scheduled reserve constraints .....	143
3.8.13	Notification of constraints.....	143
3.8.14	Dispatch under conditions of supply scarcity .....	143
3.8.15	[Deleted] .....	144
3.8.16	Equal priced dispatch bids and dispatch offers.....	144
3.8.17	Self-commitment.....	144
3.8.18	Self-decommitment.....	145
3.8.19	Dispatch inflexibilities .....	145
3.8.20	Pre-dispatch schedule.....	148
3.8.21	On-line dispatch process .....	150
3.8.22	Rebidding.....	151
3.8.22A	Offers, bids and rebids must not be false or misleading .....	153
3.8.23	Failure to conform to dispatch instructions .....	155
3.8.24	Scheduling errors .....	157
<b>3.9</b>	<b>Price Determination.....</b>	<b>157</b>
3.9.1	Principles applicable to spot price determination .....	157
3.9.2	Determination of spot prices.....	159
3.9.2A	Determination of ancillary services prices.....	161
3.9.2B	Pricing where AEMO determines a manifestly incorrect input.....	162
3.9.3	Pricing in the event of intervention by AEMO .....	163
3.9.3A	Reliability standard and settings review .....	164
3.9.3B	Reliability standard and settings review report.....	166
3.9.3C	Reliability standard .....	166
3.9.3D	Implementation of the reliability standard.....	167
3.9.4	Market Price Cap .....	168
3.9.5	Application of the Market Price Cap .....	169
3.9.6	Market Floor Price .....	169
3.9.6A	Application of the Market Floor Price .....	170
3.9.7	Pricing for constrained-on scheduled generating units.....	170
<b>3.10</b>	<b>[Deleted].....</b>	<b>171</b>
<b>3.11</b>	<b>Ancillary Services.....</b>	<b>171</b>
3.11.1	Introduction.....	171
3.11.2	Market ancillary services .....	172
3.11.3	Acquisition of Network Support and Control Ancillary Service.....	173
3.11.4	Guidelines and objectives for acquisition of network support and control ancillary services .....	174
3.11.5	Tender process for network support and control ancillary services .....	174
3.11.6	Dispatch of network support and control ancillary services by AEMO.....	177
3.11.7	Guidelines and objectives for acquisition of system restart ancillary services by AEMO.....	178
3.11.8	Determination of electrical sub-network boundaries.....	179
3.11.9	Acquisition of system restart ancillary services by AEMO.....	179
3.11.10	Reporting.....	180
<b>3.12</b>	<b>Market Intervention by AEMO.....</b>	<b>181</b>
3.12.1	Intervention settlement timetable.....	181
3.12.2	Affected Participants and Market Customers entitlements to compensation in relation to AEMO intervention.....	182

3.12.3	Role of the Independent Expert in calculating payments in relation to intervention by AEMO and market suspension pricing schedule periods.....	186
<b>3.12A</b>	<b>Mandatory restrictions.....</b>	<b>189</b>
3.12A.1	Restriction offers.....	189
3.12A.2	Mandatory restrictions schedule .....	191
3.12A.3	Acquisition of capacity .....	191
3.12A.4	Rebid of capacity under restriction offers.....	192
3.12A.5	Dispatch of restriction offers .....	192
3.12A.6	Pricing during a restriction price trading interval .....	193
3.12A.7	Determination of funding restriction shortfalls.....	193
3.12A.8	Cancellation of a mandatory restriction period.....	198
3.12A.9	Review by AEMC.....	198
<b>3.13</b>	<b>Market Information.....</b>	<b>199</b>
3.13.1	Provision of information .....	199
3.13.2	Systems and procedures .....	199
3.13.3	Standing data.....	201
3.13.4	Spot market .....	208
3.13.4A	Market ancillary services .....	212
3.13.5	Ancillary services contracting by AEMO.....	213
3.13.5A	Settlements residue auctions .....	213
3.13.6	[Deleted] .....	214
3.13.6A	Report by AEMO.....	214
3.13.7	Monitoring of significant variation between forecast and actual prices by AER.....	215
3.13.8	Public information .....	216
3.13.9	[Deleted] .....	217
3.13.10	Market auditor.....	217
3.13.11	[Deleted] .....	217
3.13.12	NMI Standing Data .....	217
3.13.12A	NMI Standing Data Schedule .....	221
3.13.13	Inter-network tests .....	222
3.13.14	Carbon Dioxide Equivalent Intensity Index .....	222
<b>3.14</b>	<b>Administered Price Cap and Market Suspension.....</b>	<b>226</b>
3.14.1	Cumulative Price Threshold and Administered Price Cap .....	226
3.14.2	Application of Administered Price Cap.....	227
3.14.3	Conditions for suspension of the spot market.....	228
3.14.4	Declaration of market suspension.....	230
3.14.5	Pricing during market suspension.....	231
3.14.5A	Payment of compensation due to market suspension pricing schedule periods.....	233
3.14.5B	Claims for additional compensation due to market suspension pricing schedule periods .....	236
3.14.6	Compensation due to the application of an administered price cap or administered floor price.....	238
<b>3.15</b>	<b>Settlements.....</b>	<b>242</b>
3.15.1	Settlements management by AEMO.....	242
3.15.2	Electronic funds transfer .....	243
3.15.3	Connection point and virtual transmission node responsibility.....	243

3.15.4	Adjusted energy amounts connection points .....	243
3.15.5	Adjusted energy - transmission network connection points .....	244
3.15.5A	Adjusted energy - virtual transmission nodes .....	244
3.15.6	Spot market transactions .....	245
3.15.6A	Ancillary service transactions .....	245
3.15.7	Payment to Directed Participants .....	258
3.15.7A	Payment to Directed Participants for services other than energy and market ancillary services.....	260
3.15.7B	Claim for additional compensation by Directed Participants .....	263
3.15.8	Funding of Compensation for directions .....	265
3.15.8A	Funding of compensation for market suspension pricing schedule periods.....	270
3.15.9	Reserve settlements.....	272
3.15.10	Administered price cap or administered floor price compensation payments .....	274
3.15.10A	Goods and services tax.....	275
3.15.10B	Restriction contract amounts.....	276
3.15.10C	Intervention and Market Suspension Pricing Schedule Period Settlements.....	277
3.15.11	Reallocation transactions .....	281
3.15.11A	Reallocation procedures .....	282
3.15.12	Settlement amount .....	283
3.15.13	Payment of settlement amount.....	284
3.15.14	Preliminary statements .....	284
3.15.15	Final statements .....	284
3.15.15A	Use of estimated settlement amounts by AEMO.....	284
3.15.16	Payment by market participants.....	285
3.15.17	Payment to market participants.....	285
3.15.18	Disputes.....	285
3.15.19	Revised Statements and Adjustments .....	286
3.15.20	Payment of adjustments .....	288
3.15.21	Default procedure.....	288
3.15.22	Maximum total payment in respect of a billing period.....	293
3.15.23	Maximum total payment in respect of a financial year.....	294
3.15.24	Compensation for reductions under clause 3.15.23 .....	296
3.15.25	Interest on overdue amounts .....	296
<b>3.16</b>	<b>Participant compensation fund.....</b>	<b>296</b>
3.16.1	Establishment of Participant compensation fund.....	296
3.16.2	Dispute resolution panel to determine compensation .....	297
<b>3.17</b>	<b>[Deleted].....</b>	<b>299</b>
<b>3.18</b>	<b>Settlements Residue Auctions .....</b>	<b>299</b>
3.18.1	Settlements residue concepts .....	299
3.18.2	Auctions and eligible persons .....	300
3.18.3	Auction rules .....	301
3.18.3A	Secondary trading of SRD units .....	303
3.18.4	Proceeds and fees .....	303
3.18.4A	Secondary trading proceeds and margin .....	304
3.18.5	Settlement residue committee .....	305
<b>3.19</b>	<b>Market Management Systems Access Procedures.....</b>	<b>306</b>

<b>3.20</b>	<b>Reliability and Emergency Reserve Trader .....</b>	<b>307</b>
3.20.1	[Deleted] .....	307
3.20.2	Reliability and emergency reserve trader .....	307
3.20.3	Reserve contracts .....	308
3.20.4	Dispatch pricing methodology for unscheduled reserve contracts .....	309
3.20.5	AEMO’s risk management and accounts relating to the reliability safety net .....	309
3.20.6	Reporting on RERT by AEMO.....	310
3.20.7	AEMO’s exercise of the RERT .....	311
3.20.8	RERT Guidelines .....	312
3.20.9	[Deleted] .....	313
<b>Schedule 3.1</b>	<b>Bid and Offer Validation Data.....</b>	<b>313</b>
<b>Schedule 3.2</b>	<b>[Deleted].....</b>	<b>317</b>
<b>Schedule 3.3</b>	<b>[Deleted].....</b>	<b>317</b>
<b>4.</b>	<b>Power System Security .....</b>	<b>321</b>
<b>4.1</b>	<b>Introduction.....</b>	<b>321</b>
4.1.1	Purpose.....	321
<b>4.2</b>	<b>Definitions and Principles .....</b>	<b>321</b>
4.2.1	[Deleted] .....	322
4.2.2	Satisfactory Operating State .....	322
4.2.3	Credible and non-credible contingency events and protected events .....	322
4.2.3A	Re-classifying contingency events.....	323
4.2.3B	Criteria for re-classifying contingency events .....	325
4.2.4	Secure operating state and power system security.....	325
4.2.5	Technical envelope .....	326
4.2.6	General principles for maintaining power system security.....	327
4.2.7	Reliable Operating State .....	327
4.2.8	Time for undertaking action.....	328
<b>4.3</b>	<b>Power System Security Responsibilities and Obligations .....</b>	<b>328</b>
4.3.1	Responsibility of AEMO for power system security.....	328
4.3.2	System security .....	330
4.3.3	The role of System Operators .....	334
4.3.4	Network Service Providers .....	335
4.3.5	Market Customer obligations.....	340
<b>4.4</b>	<b>Power System Frequency Control.....</b>	<b>341</b>
4.4.1	Power system frequency control responsibilities.....	341
4.4.2	Operational frequency control requirements .....	341
4.4.3	Generator protection requirements .....	342
4.4.4	Instructions to enable inertia network services .....	342
4.4.5	Instructions to enable system strength services .....	344
<b>4.5</b>	<b>Control of Power System Voltage.....</b>	<b>345</b>
4.5.1	Power system voltage control .....	345
4.5.2	Reactive power reserve requirements .....	346
4.5.3	Audit and testing .....	346
<b>4.6</b>	<b>Protection of Power System Equipment .....</b>	<b>346</b>

4.6.1	Power system fault levels.....	346
4.6.2	Power system protection co-ordination .....	347
4.6.3	Audit and testing .....	347
4.6.4	Short-term thermal ratings of power system.....	347
4.6.5	Partial outage of power protection systems .....	347
4.6.6	System strength impact assessment guidelines .....	348
<b>4.7</b>	<b>Power System Stability Co-ordination.....</b>	<b>349</b>
4.7.1	Stability analysis co-ordination.....	349
4.7.2	Audit and testing .....	350
<b>4.8</b>	<b>Power System Security Operations .....</b>	<b>350</b>
4.8.1	Registered Participants' advice .....	350
4.8.2	Protection or control system abnormality .....	350
4.8.3	AEMO's advice on power system emergency conditions .....	351
4.8.4	Declaration of conditions .....	351
4.8.4A	Reserve level declaration guidelines.....	351
4.8.4B	Lack of reserve framework reporting .....	352
4.8.5	Managing declarations of conditions .....	353
4.8.5A	Determination of the latest time for AEMO intervention.....	354
4.8.5B	Notifications of last time of AEMO intervention .....	355
4.8.6	[Deleted] .....	355
4.8.7	Managing a power system contingency event .....	355
4.8.8	[Deleted] .....	355
4.8.9	Power to issue directions and clause 4.8.9 instructions.....	355
4.8.9A	System security directions .....	358
4.8.10	Disconnection of generating units and market network services.....	358
4.8.11	[Deleted] .....	358
4.8.12	System restart plan and local black system procedures .....	358
4.8.13	[Deleted] .....	360
4.8.14	Power system restoration .....	360
4.8.15	Review of operating incidents .....	361
<b>4.9</b>	<b>Power System Security Related Market Operations .....</b>	<b>363</b>
4.9.1	Load forecasting.....	363
4.9.2	Instructions to Scheduled Generators and Semi-Scheduled Generators .....	364
4.9.2A	Dispatch Instructions to Scheduled Network Service Providers .....	365
4.9.3	Instructions to Registered Participants.....	365
4.9.3A	Ancillary services instructions .....	366
4.9.3B	Compliance with dispatch instructions .....	367
4.9.4	Dispatch related limitations on Scheduled Generators and Semi-Scheduled Generators.....	367
4.9.4A	Dispatch related limitations on Scheduled Network Service Providers .....	368
4.9.5	Form of dispatch instructions.....	369
4.9.6	Commitment of scheduled generating units .....	370
4.9.7	De-commitment, or output reduction, by Scheduled Generators .....	371
4.9.8	General responsibilities of Registered Participants .....	372
4.9.9	Scheduled Generator plant changes .....	373
4.9.9A	Scheduled Network Service Provider plant changes .....	373
4.9.9B	Ancillary service plant changes .....	374

4.9.9C	Inertia network service availability changes.....	374
4.9.9D	System strength service availability changes.....	374
<b>4.10</b>	<b>Power System Operating Procedures.....</b>	<b>374</b>
4.10.1	Power system operating procedures.....	374
4.10.2	Transmission network operations .....	375
4.10.3	Operating interaction with distribution networks .....	376
4.10.4	Switching of a Distributor's high voltage networks.....	376
4.10.5	Switching of reactive power facilities.....	377
4.10.6	Automatic reclose .....	377
4.10.7	Inspection of facilities by AEMO .....	377
<b>4.11</b>	<b>Power System Security Support .....</b>	<b>377</b>
4.11.1	Remote control and monitoring devices .....	377
4.11.2	Operational control and indication communication facilities.....	379
4.11.3	Power system voice/data operational communication facilities .....	379
4.11.4	Records of power system operational communication .....	381
4.11.5	Agent communications .....	382
<b>4.12</b>	<b>Nomenclature Standards.....</b>	<b>383</b>
<b>4.13</b>	<b>[Deleted].....</b>	<b>384</b>
<b>4.14</b>	<b>Acceptance of Performance Standards.....</b>	<b>384</b>
<b>4.15</b>	<b>Compliance with Performance Standards.....</b>	<b>385</b>
<b>4.16</b>	<b>Transitioning arrangements for establishment of performance standards.....</b>	<b>390</b>
4.16.1	Definitions.....	390
4.16.2	Exclusions .....	392
4.16.3	Notification and acceptance of performance standards .....	392
4.16.4	Actual capability .....	397
4.16.5	Criteria for, and negotiation of, performance standards .....	398
4.16.6	Consultation with and assistance by Network Service Providers.....	401
4.16.7	Referral to expert determination .....	401
4.16.8	Prior actions .....	402
4.16.9	Deemed performance standards .....	402
4.16.10	Modification of connection agreements.....	403
<b>4.17</b>	<b>Expert determination.....</b>	<b>403</b>
4.17.1	Performance standards committee and appointment of performance standards experts .....	403
4.17.2	Referral to performance standards expert .....	405
4.17.3	Determinations of performance standards experts.....	405
4.17.4	Other matters.....	406
<b>5.</b>	<b>Network Connection Access, Planning and Expansion.....</b>	<b>411</b>
<b>Part A</b>	<b>Introduction.....</b>	<b>411</b>
<b>5.1</b>	<b>Introduction to Chapter 5 .....</b>	<b>411</b>
5.1.1	Structure of this Chapter .....	411
5.1.2	Overview of Part B and connection and access under the Rules .....	411
<b>Part B</b>	<b>Network Connection and Access .....</b>	<b>414</b>

<b>5.1A</b>	<b>Introduction to Part B .....</b>	<b>414</b>
5.1A.1	Purpose and Application .....	414
5.1A.2	Principles.....	417
<b>5.2</b>	<b>Obligations.....</b>	<b>417</b>
5.2.1	Obligations of Registered Participants.....	417
5.2.2	Connection agreements .....	418
5.2.3	Obligations of network service providers .....	419
5.2.3A	Obligations of Market Network Service Providers.....	424
5.2.4	Obligations of customers .....	425
5.2.5	Obligations of Generators .....	426
5.2.6	Obligations of AEMO .....	428
5.2.6A	AEMO review of technical requirements for connection .....	428
5.2.7	Obligations of Dedicated Connection Asset Service Providers.....	429
<b>5.2A</b>	<b>Transmission network connection and access .....</b>	<b>430</b>
5.2A.1	Application.....	430
5.2A.2	Relevant assets .....	430
5.2A.3	Connection and access to transmission services .....	431
5.2A.4	Transmission services related to connection.....	433
5.2A.5	Publication and provision of information .....	436
5.2A.6	Negotiating principles .....	437
5.2A.7	Third party IUSAs.....	437
5.2A.8	Access framework for large dedicated connection assets.....	439
<b>5.3</b>	<b>Establishing or Modifying Connection .....</b>	<b>441</b>
5.3.1	Process and procedures .....	441
5.3.1A	Application of rule to connection of embedded generating units .....	441
5.3.2	Connection enquiry .....	442
5.3.3	Response to connection enquiry .....	443
5.3.4	Application for connection .....	447
5.3.4A	Negotiated access standards.....	449
5.3.4B	System strength remediation for new connections .....	453
5.3.5	Preparation of offer to connect .....	456
5.3.6	Offer to connect .....	457
5.3.7	Finalisation of connection agreements and network operating agreements .....	461
5.3.8	Provision and use of information.....	462
5.3.9	Procedure to be followed by a Generator proposing to alter a generating system.....	464
5.3.10	Acceptance of performance standards for generating plant that is altered.....	466
5.3.11	Notification of request to change normal voltage.....	467
<b>5.3A</b>	<b>Establishing or modifying connection - embedded generation.....</b>	<b>467</b>
5.3A.1	Application of rule 5.3A .....	467
5.3A.2	Definitions and miscellaneous .....	468
5.3A.3	Publication of Information.....	469
5.3A.4	Fees .....	471
5.3A.5	Enquiry.....	471
5.3A.6	Response to Enquiry .....	472
5.3A.7	Preliminary Response to Enquiry .....	473
5.3A.8	Detailed Response to Enquiry.....	473

5.3A.9 Application for connection ..... 475

5.3A.10 Preparation of offer to connect ..... 476

5.3A.11 Technical Dispute ..... 477

5.3A.12 Network support payments and functions..... 477

**5.3AA Access arrangements relating to Distribution Networks ..... 477**

**5.3B Application for connection to declared shared network ..... 481**

**5.4 Independent Engineer ..... 482**

5.4.1 Application..... 482

5.4.2 Establishment of a pool..... 482

5.4.3 Initiating the Independent Engineer process..... 483

5.4.4 Referral to the Adviser..... 483

5.4.5 Proceedings and decisions of the Independent Engineer..... 484

5.4.6 Costs of the Independent Engineer ..... 485

**5.4A [Deleted]..... 485**

**5.4AA [Deleted]..... 486**

**5.5 Commercial arbitration for prescribed and negotiated transmission services and large DCA services ..... 486**

5.5.1 Application..... 486

5.5.2 Notification of dispute ..... 486

5.5.3 Appointment of commercial arbitrator ..... 487

5.5.4 Procedures of commercial arbitrator..... 488

5.5.5 Powers of commercial arbitrator in determining disputes ..... 488

5.5.6 Determination of disputes ..... 490

5.5.7 Costs of dispute..... 491

5.5.8 Enforcement of agreement or determination and requirement for reasons..... 491

5.5.9 Miscellaneous ..... 491

**5.5A [Deleted]..... 492**

**Part C Post-Connection Agreement matters ..... 492**

**5.6 Design of Connected Equipment ..... 492**

5.6.1 Application..... 492

5.6.2 Advice of inconsistencies ..... 492

5.6.3 Additional information..... 493

5.6.4 Advice on possible non-compliance ..... 493

**5.6A [Deleted]..... 493**

**5.7 Inspection and Testing..... 493**

5.7.1 Right of entry and inspection..... 493

5.7.2 Right of testing..... 495

5.7.3 Tests to demonstrate compliance with connection requirements for generators..... 497

5.7.3A Tests to demonstrate compliance with system strength remediation schemes ..... 499

5.7.4 Routine testing of protection equipment..... 500

5.7.5 Testing by Registered Participants of their own plant requiring changes to normal operation ..... 502

5.7.6	Tests of generating units requiring changes to normal operation .....	504
5.7.7	Inter-network power system tests .....	505
5.7.8	Contestable IUSA components .....	512
<b>5.8</b>	<b>Commissioning .....</b>	<b>512</b>
5.8.1	Requirement to inspect and test equipment .....	512
5.8.2	Co-ordination during commissioning .....	513
5.8.3	Control and protection settings for equipment.....	513
5.8.4	Commissioning program.....	514
5.8.5	Commissioning tests .....	514
<b>5.9</b>	<b>Disconnection and Reconnection .....</b>	<b>515</b>
5.9.1	Voluntary disconnection .....	515
5.9.2	Decommissioning procedures .....	516
5.9.3	Involuntary disconnection.....	516
5.9.4	Direction to disconnect .....	517
5.9.4A	Notification of disconnection.....	518
5.9.5	Disconnection during an emergency.....	518
5.9.6	Obligation to reconnect.....	518
<b>Part D</b>	<b>Network Planning and Expansion.....</b>	<b>520</b>
<b>5.10</b>	<b>Network development generally .....</b>	<b>520</b>
5.10.1	Content of Part D .....	520
5.10.2	Definitions.....	521
5.10.3	Interpretation.....	525
<b>5.11</b>	<b>Forecasts of connection to transmission network and identification of system limitations.....</b>	<b>525</b>
5.11.1	Forecasts for connection to transmission network.....	525
5.11.2	Identification of network limitations .....	526
<b>5.12</b>	<b>Transmission annual planning process.....</b>	<b>526</b>
5.12.1	Transmission annual planning review .....	526
5.12.2	Transmission Annual Planning Report .....	527
<b>5.13</b>	<b>Distribution annual planning process .....</b>	<b>532</b>
5.13.1	Distribution annual planning review.....	532
5.13.2	Distribution Annual Planning Report .....	534
5.13.3	Distribution system limitation template.....	534
<b>5.13A</b>	<b>Distribution zone substation information .....</b>	<b>535</b>
<b>5.14</b>	<b>Joint planning.....</b>	<b>538</b>
5.14.1	Joint planning obligations of Transmission Network Service Providers and Distribution Network Service Providers.....	538
5.14.2	Joint planning obligations of Distribution Network Service Providers and Distribution Network Service Providers.....	539
5.14.3	Joint planning obligations of Transmission Network Service Providers .....	540
<b>5.14A</b>	<b>Joint planning in relation to retirement or de-ratings of network assets forming part of the Declared Shared Network .....</b>	<b>540</b>
<b>5.14B</b>	<b>TAPR Guidelines .....</b>	<b>540</b>
5.14B.1	Development of TAPR Guidelines .....	540

- 5.15** **Regulatory investment tests generally** ..... **541**
- 5.15.1 Interested parties ..... 541
- 5.15.2 Identification of a credible option..... 541
- 5.15.3 Review of costs thresholds..... 542
- 5.15.4 Costs determinations ..... 544
  
- 5.16** **Regulatory investment test for transmission**..... **545**
- 5.16.1 Principles..... 545
- 5.16.2 Regulatory investment test for transmission application guidelines..... 548
- 5.16.3 Investments subject to the regulatory investment test for transmission ..... 549
- 5.16.4 Regulatory investment test for transmission procedures ..... 552
- 5.16.5 Disputes in relation to application of regulatory investment test for transmission ..... 559
- 5.16.6 Determination that preferred option satisfies the regulatory investment test for transmission..... 561
  
- 5.17** **Regulatory investment test for distribution** ..... **562**
- 5.17.1 Principles..... 562
- 5.17.2 Regulatory investment test for distribution application guidelines ..... 564
- 5.17.3 Projects subject to the regulatory investment test for distribution..... 566
- 5.17.4 Regulatory investment test for distribution procedures ..... 567
- 5.17.5 Disputes in relation to application of regulatory investment test for distribution ..... 573
  
- 5.18** **Construction of funded augmentations**..... **575**
- 5.18A** **Large generator connections**..... **575**
- 5.18A.1 Definitions..... 575
- 5.18A.2 Register of large generator connections..... 576
- 5.18A.3 Impact assessment of large generator connections ..... 577
  
- 5.18B** **Completed embedded generation projects** ..... **578**
- 5.18B.1 Definitions..... 578
- 5.18B.2 Register of completed embedded generation projects ..... 578
  
- 5.19** **SENE Design and Costing Study** ..... **579**
- 5.19.1 Definitions..... 579
- 5.19.2 Interpretation..... 580
- 5.19.3 Request for SENE Design and Costing Study ..... 580
- 5.19.4 Content of SENE Design and Costing Study..... 581
- 5.19.5 Co-operation of other Network Service Providers..... 582
- 5.19.6 Publication of SENE Design and Costing Study report..... 583
- 5.19.7 Provision and use of information ..... 583
  
- 5.20** **National transmission planning** ..... **584**
- 5.20.1 Preliminary consultation ..... 584
- 5.20.2 Publication of NTNDP..... 585
- 5.20.3 Development strategies for national transmission flow paths ..... 587
- 5.20.4 NTNDP database ..... 588
- 5.20.5 Jurisdictional planning bodies and jurisdictional planning representatives..... 589
- 5.20.6 NTP Functions ..... 589
- 5.20.7 Inertia and system strength requirements methodologies ..... 589

- 5.20A Frequency management planning ..... 591**
  - 5.20A.1 Power system frequency risk review ..... 591
  - 5.20A.2 Power system frequency risk review process ..... 592
  - 5.20A.3 Power system frequency risk review report..... 592
  - 5.20A.4 Request for protected event declaration..... 593
  - 5.20A.5 Request to revoke a protected event declaration..... 594
  
- 5.20B Inertia sub-networks and requirements ..... 594**
  - 5.20B.1 Boundaries of inertia sub-networks ..... 594
  - 5.20B.2 Inertia requirements ..... 595
  - 5.20B.3 Inertia shortfalls ..... 595
  - 5.20B.4 Inertia Service Provider to make available inertia services ..... 596
  - 5.20B.5 Inertia support activities..... 599
  - 5.20B.6 Inertia network services information and approvals..... 600
  
- 5.20C System strength requirements ..... 602**
  - 5.20C.1 System strength requirements ..... 602
  - 5.20C.2 Fault level shortfalls..... 603
  - 5.20C.3 System Strength Service Provider to make available system strength services..... 604
  - 5.20C.4 System strength services information and approvals..... 606
  
- 5.21 AEMO's obligation to publish information and guidelines and provide advice..... 608**
  
- 5.22 Last resort planning power ..... 610**
  
- Schedule 5.1a System standards ..... 613**
  - S5.1a.1 Purpose..... 613
  - S5.1a.2 Frequency..... 613
  - S5.1a.3 System stability..... 613
  - S5.1a.4 Power frequency voltage..... 614
  - S5.1a.5 Voltage fluctuations ..... 615
  - S5.1a.6 Voltage waveform distortion ..... 615
  - S5.1a.7 Voltage unbalance..... 615
  - S5.1a.8 Fault clearance times..... 616
  
- Schedule 5.1 Network Performance Requirements to be Provided or Co-ordinated by Network Service Providers ..... 618**
  - S5.1.1 Introduction..... 618
  - S5.1.2 Network reliability ..... 619
    - S5.1.2.1 Credible contingency events ..... 619
    - S5.1.2.2 Network service within a region ..... 620
    - S5.1.2.3 Network service between regions ..... 621
  - S5.1.3 Frequency variations ..... 621
  - S5.1.4 Magnitude of power frequency voltage ..... 621
  - S5.1.5 Voltage fluctuations ..... 623
  - S5.1.6 Voltage harmonic or voltage notching distortion ..... 624
  - S5.1.7 Voltage unbalance..... 625
  - S5.1.8 Stability ..... 626
  - S5.1.9 Protection systems and fault clearance times..... 627
  - S5.1.10 Load, generation and network control facilities ..... 630
    - S5.1.10.1 General..... 630
    - S5.1.10.1a Emergency frequency control schemes ..... 631

- S5.1.10.2 Distribution Network Service Providers ..... 632
- S5.1.10.3 Transmission Network Service Providers ..... 632
- S5.1.11 Automatic reclosure of transmission or distribution lines ..... 633
- S5.1.12 Rating of transmission lines and equipment ..... 633
- S5.1.13 Information to be provided ..... 634
- Schedule 5.2 Conditions for Connection of Generators..... 634**
- S5.2.1 Outline of requirements ..... 634
- S5.2.2 Application of Settings ..... 635
- S5.2.3 Technical matters to be coordinated ..... 636
- S5.2.4 Provision of information ..... 637
- S5.2.5 Technical requirements ..... 640
- S5.2.5.1 Reactive power capability ..... 640
- S5.2.5.2 Quality of electricity generated..... 641
- S5.2.5.3 Generating system response to frequency disturbances..... 642
- S5.2.5.4 Generating system response to voltage disturbances..... 645
- S5.2.5.5 Generating system response to disturbances following contingency events ..... 647
- S5.2.5.6 Quality of electricity generated and continuous uninterrupted operation ..... 656
- S5.2.5.7 Partial load rejection ..... 656
- S5.2.5.8 Protection of generating systems from power system disturbances ..... 657
- S5.2.5.9 Protection systems that impact on power system security..... 658
- S5.2.5.10 Protection to trip plant for unstable operation ..... 660
- S5.2.5.11 Frequency control ..... 661
- S5.2.5.12 Impact on network capability..... 664
- S5.2.5.13 Voltage and reactive power control ..... 665
- S5.2.5.14 Active power control..... 673
- S5.2.6 Monitoring and control requirements ..... 675
- S5.2.6.1 Remote Monitoring ..... 675
- S5.2.6.2 Communications equipment ..... 678
- S5.2.7 Power station auxiliary supplies ..... 679
- S5.2.8 Fault current ..... 679
- Schedule 5.3 Conditions for Connection of Customers ..... 680**
- S5.3.1a Introduction to the schedule ..... 680
- S5.3.1 Information ..... 681
- S5.3.2 Design standards ..... 683
- S5.3.3 Protection systems and settings ..... 684
- S5.3.4 Settings of protection and control systems ..... 685
- S5.3.5 Power factor requirements ..... 686
- S5.3.6 Balancing of load currents ..... 687
- S5.3.7 Voltage fluctuations ..... 688
- S5.3.8 Harmonics and voltage notching ..... 688
- S5.3.9 Design requirements for Network Users' substations ..... 688
- S5.3.10 Load shedding facilities ..... 689
- Schedule 5.3a Conditions for connection of Market Network Services ..... 689**
- S5.3a.1a Introduction to the schedule ..... 689
- S5.3a.1 Provision of Information..... 690
- S5.3a.2 Application of settings ..... 692
- S5.3a.3 Technical matters to be co-ordinated..... 693

S5.3a.4	Monitoring and control requirements .....	694
S5.3a.4.1	Remote Monitoring .....	694
S5.3a.4.2	[Deleted] .....	694
S5.3a.4.3	Communications equipment .....	694
S5.3a.5	Design standards .....	695
S5.3a.6	Protection systems and settings .....	696
S5.3a.7	[Deleted] .....	697
S5.3a.8	Reactive power capability .....	697
S5.3a.9	Balancing of load currents .....	698
S5.3a.10	Voltage fluctuations .....	698
S5.3a.11	Harmonics and voltage notching .....	699
S5.3a.12	Design requirements for Market Network Service Providers’ substations.....	699
S5.3a.13	Market network service response to disturbances in the power system .....	700
S5.3a.14	Protection of market network services from power system disturbances.....	700
<b>Schedule 5.4</b>	<b>Information to be Provided with Preliminary Enquiry .....</b>	<b>701</b>
<b>Schedule 5.4A</b>	<b>Preliminary Response .....</b>	<b>702</b>
<b>Schedule 5.4B</b>	<b>Detailed Response to Enquiry .....</b>	<b>704</b>
<b>Schedule 5.5</b>	<b>Technical Details to Support Application for Connection and Connection Agreement .....</b>	<b>707</b>
S5.5.1	Introduction to the schedule.....	707
S5.5.2	Categories of data .....	707
S5.5.3	Review, change and supply of data.....	708
S5.5.4	Data Requirements.....	708
S5.5.5	Asynchronous generating unit data.....	709
S5.5.6	Generating units smaller than 30MW data .....	709
S5.5.7	Power System Design Data Sheet, Power System Setting Data Sheet and Power System Model Guidelines .....	709
Schedule 5.5.1	[Deleted] .....	712
Schedule 5.5.2	[Deleted] .....	712
Schedule 5.5.3	Network and plant technical data of equipment at or near connection point.....	712
Schedule 5.5.4	Network Plant and Apparatus Setting Data .....	715
Schedule 5.5.5	Load Characteristics at Connection Point.....	718
<b>Schedule 5.6</b>	<b>Terms and Conditions of Connection agreements and network operating agreements.....</b>	<b>718</b>
Part A	Connection agreements .....	718
Part B	Network Operating Agreements .....	720
<b>Schedule 5.7</b>	<b>Annual Forecast Information for Planning Purposes .....</b>	<b>720</b>
<b>Schedule 5.8</b>	<b>Distribution Annual Planning Report.....</b>	<b>723</b>
<b>Schedule 5.9</b>	<b>Demand side engagement document (clause 5.13.1(h)) .....</b>	<b>729</b>
<b>Schedule 5.10</b>	<b>Information requirements for Primary Transmission Network Service Providers (clause 5.2A.5) .....</b>	<b>731</b>

<b>Schedule 5.11</b>	<b>Negotiating principles for negotiated transmission services (clause 5.2A.6).....</b>	<b>734</b>
<b>Schedule 5.12</b>	<b>Negotiating principles for large DCA services .....</b>	<b>736</b>
<b>Chapter 5A</b>	<b>Electricity connection for retail customers.....</b>	<b>741</b>
<b>Part A</b>	<b>Preliminary.....</b>	<b>741</b>
<b>5A.A.1</b>	<b>Definitions.....</b>	<b>741</b>
<b>5A.A.2</b>	<b>Application of this Chapter.....</b>	<b>744</b>
<b>5A.A.3</b>	<b>Small Generation Aggregator deemed to be agent of a retail customer.....</b>	<b>745</b>
<b>Part B</b>	<b>Standardised offers to provide basic and standard connection services .....</b>	<b>745</b>
<b>Division 1</b>	<b>Basic connection services.....</b>	<b>745</b>
<b>5A.B.1</b>	Obligation to have model standing offer to provide basic connection services .....	745
<b>5A.B.2</b>	Proposed model standing offer for basic connection services .....	746
<b>5A.B.3</b>	Approval of terms and conditions of model standing offer to provide basic connection services.....	747
<b>Division 2</b>	<b>Standard connection services.....</b>	<b>748</b>
<b>5A.B.4</b>	Standard connection services .....	748
<b>5A.B.5</b>	Approval of model standing offer to provide standard connection services.....	749
<b>Division 3</b>	<b>Miscellaneous.....</b>	<b>749</b>
<b>5A.B.6</b>	Amendment etc of model standing offer .....	749
<b>5A.B.7</b>	Publication of model standing offers .....	750
<b>Part C</b>	<b>Negotiated connection.....</b>	<b>750</b>
<b>5A.C.1</b>	<b>Negotiation of connection .....</b>	<b>750</b>
<b>5A.C.2</b>	<b>Process of negotiation .....</b>	<b>751</b>
<b>5A.C.3</b>	<b>Negotiation framework.....</b>	<b>751</b>
<b>5A.C.4</b>	<b>Fee to cover cost of negotiation.....</b>	<b>753</b>
<b>Part D</b>	<b>Application for connection service .....</b>	<b>754</b>
<b>Division 1</b>	<b>Information.....</b>	<b>754</b>
<b>5A.D.1</b>	Publication of information .....	754
<b>5A.D.1A</b>	Register of completed embedded generation projects .....	754
<b>Division 2</b>	<b>Preliminary enquiry.....</b>	<b>756</b>
<b>5A.D.2</b>	Preliminary enquiry .....	756
<b>Division 3</b>	<b>Applications .....</b>	<b>757</b>
<b>5A.D.3</b>	Application process.....	757
<b>5A.D.4</b>	Site inspection.....	758
<b>Part E</b>	<b>Connection charges.....</b>	<b>758</b>
<b>5A.E.1</b>	<b>Connection charge principles.....</b>	<b>758</b>

**5A.E.2**      **Itemised statement of connection charges ..... 760**

**5A.E.3**      **Connection charge guidelines ..... 760**

**5A.E.4**      **Payment of connection charges..... 762**

**Part F**      **Formation and integration of connection contracts ..... 763**

**Division 1**      **Offer and acceptance – basic and standard connection services ..... 763**

5A.F.1      Distribution Network Service Provider’s response to application..... 763

5A.F.2      Acceptance of connection offer ..... 763

5A.F.3      Offer and acceptance—application for expedited connection ..... 763

**Division 2**      **Offer and acceptance – negotiated connection ..... 764**

5A.F.4      Negotiated connection offer ..... 764

**Division 3**      **Formation of contract..... 765**

5A.F.5      Acceptance of connection offer ..... 765

**Division 4**      **Contractual performance..... 765**

5A.F.6      Carrying out connection work ..... 765

5A.F.7      Retailer required for energisation where new connection ..... 766

**Part G**      **Dispute resolution between Distribution Network Service Providers and customers ..... 766**

**5A.G.1**      **Relevant disputes ..... 766**

**5A.G.2**      **Determination of dispute..... 766**

**5A.G.3**      **Termination of proceedings ..... 767**

**SCHEDULE 5A.1 – Minimum content requirements for connection contract..... 767**

Part A      Connection offer not involving embedded generation..... 767

Part B      Connection offer involving embedded generation..... 768

**6.**      **Economic Regulation of Distribution Services ..... 773**

**Part A**      **Introduction..... 773**

**6.1**      **Introduction to Chapter 6 ..... 773**

6.1.1      AER's regulatory responsibility ..... 773

6.1.1A      [Deleted] ..... 773

6.1.2      Structure of this Chapter ..... 773

6.1.3      Access to direct control services and negotiated distribution services..... 774

6.1.4      Prohibition of DUOS charges for the export of energy ..... 774

**Part B**      **Classification of Distribution Services and Distribution Determinations ..... 775**

**6.2**      **Classification ..... 775**

6.2.1      Classification of distribution services ..... 775

6.2.2      Classification of direct control services as standard control services or alternative control services ..... 775

6.2.3      Term for which classification operates ..... 776

6.2.3A      Distribution Service Classification Guidelines ..... 777

6.2.4      Duty of AER to make distribution determinations ..... 777

6.2.5      Control mechanisms for direct control services..... 778

6.2.6	Basis of control mechanisms for direct control services .....	779
6.2.7	Negotiated distribution services.....	779
6.2.8	Guidelines .....	779
<b>Part C</b>	<b>Building Block Determinations for standard control services.....</b>	<b>780</b>
<b>6.3</b>	<b>Building block determinations.....</b>	<b>780</b>
6.3.1	Introduction.....	780
6.3.2	Contents of building block determination.....	781
<b>6.4</b>	<b>Post-tax revenue model.....</b>	<b>781</b>
6.4.1	Preparation, publication and amendment of post-tax revenue model.....	781
6.4.2	Contents of post-tax revenue model .....	781
6.4.3	Building block approach .....	782
6.4.4	Shared assets .....	783
6.4.5	Expenditure Forecast Assessment Guidelines .....	784
<b>6.4A</b>	<b>Capital expenditure incentive mechanisms .....</b>	<b>785</b>
<b>6.4B</b>	<b>Asset exemptions .....</b>	<b>786</b>
6.4B.1	Asset exemption decisions and Asset Exemption Guidelines .....	786
6.4B.2	Exemption applications.....	787
<b>6.5</b>	<b>Matters relevant to the making of building block determinations.....</b>	<b>787</b>
6.5.1	Regulatory asset base .....	787
6.5.2	Return on capital .....	788
6.5.3	Estimated cost of corporate income tax .....	791
6.5.4	[Deleted] .....	792
6.5.5	Depreciation.....	792
6.5.6	Forecast operating expenditure .....	792
6.5.7	Forecast capital expenditure .....	795
6.5.8	Efficiency benefit sharing scheme .....	800
6.5.8A	Capital expenditure sharing scheme .....	801
6.5.9	The X factor .....	802
6.5.10	Pass through events.....	803
<b>6.6</b>	<b>Adjustments after making of building block determination. ....</b>	<b>803</b>
6.6.1	Cost pass through.....	803
6.6.1A	Reporting on jurisdictional schemes.....	810
6.6.2	Service target performance incentive scheme.....	812
6.6.3	Demand management incentive scheme .....	813
6.6.3A	Demand management innovation allowance mechanism .....	814
6.6.4	Small-scale incentive scheme .....	815
6.6.5	Reopening of distribution determination for capital expenditure .....	816
<b>6.6A</b>	<b>Contingent Projects .....</b>	<b>820</b>
6.6A.1	Acceptance of a contingent project in a distribution determination .....	820
6.6A.2	Amendment of distribution determination for contingent project .....	822
<b>Part D</b>	<b>Negotiated distribution services.....</b>	<b>827</b>
<b>6.7</b>	<b>Negotiated distribution services.....</b>	<b>827</b>
6.7.1	Principles relating to access to negotiated distribution services .....	827
6.7.2	Determination of terms and conditions of access for negotiated distribution services .....	829

6.7.3 Negotiating framework determination ..... 830

6.7.4 Negotiated Distribution Service Criteria determination ..... 830

6.7.5 Preparation of and requirements for negotiating framework for negotiated distribution services..... 830

6.7.6 Confidential information..... 833

**Part DA Connection policies ..... 833**

**6.7A Connection policy requirements ..... 833**

6.7A.1 Preparation of, and requirements for, connection policy ..... 833

**Part E Regulatory proposal and proposed tariff structure statement ..... 834**

**6.8 Regulatory proposal and proposed tariff structure statement ..... 834**

6.8.1 AER's framework and approach paper ..... 834

6.8.1A Notification of approach to forecasting expenditure ..... 837

6.8.2 Submission of regulatory proposal, tariff structure statement and exemption application ..... 837

**6.9 Preliminary examination and consultation ..... 839**

6.9.1 Preliminary examination ..... 839

6.9.2 Resubmission of proposal ..... 840

6.9.2A Confidential information..... 840

6.9.3 Consultation ..... 841

**6.10 Draft distribution determination and further consultation ..... 842**

6.10.1 Making of draft distribution determination..... 842

6.10.2 Publication of draft determination and consultation ..... 842

6.10.3 Submission of revised proposal ..... 843

6.10.4 Submissions on specified matters ..... 843

**6.11 Distribution determination ..... 844**

6.11.1 Making of distribution determination ..... 844

6.11.1A Out of scope revised regulatory proposal or late submissions..... 844

6.11.2 Notice of distribution determination ..... 845

6.11.3 Commencement of distribution determination ..... 845

**6.12 Requirements relating to draft and final distribution determinations..... 846**

6.12.1 Constituent decisions ..... 846

6.12.2 Reasons for decisions..... 849

6.12.3 Extent of AER's discretion in making distribution determinations ..... 850

**6.13 Revocation and substitution of distribution determination for wrong information or error ..... 852**

**6.14 Miscellaneous..... 852**

**6.14A Distribution Confidentiality Guidelines..... 853**

**Part F Cost Allocation ..... 853**

**6.15 Cost allocation ..... 853**

6.15.1 Duty to comply with Cost Allocation Method..... 853

6.15.2 Cost Allocation Principles ..... 853

6.15.3 Cost Allocation Guidelines ..... 854

6.15.4 Cost Allocation Method ..... 855

**Part G**                    **Distribution consultation procedures..... 856**

**6.16**                    **Distribution consultation procedures..... 856**

**Part H**                    **Ring-Fencing Arrangements for Distribution Network Service Providers..... 858**

**6.17**                    **Distribution Ring-Fencing Guidelines ..... 858**

6.17.1                    Compliance with Distribution Ring-Fencing Guidelines ..... 858

6.17.2                    Development of Distribution Ring-Fencing Guidelines ..... 858

**Part I**                    **Distribution Pricing Rules..... 859**

**6.18**                    **Distribution Pricing Rules..... 859**

6.18.1                    Application of this Part ..... 859

6.18.1A                    Tariff structure statement ..... 859

6.18.1B                    Amending a tariff structure statement with the AER's approval ..... 860

6.18.1C                    Sub-threshold tariffs..... 862

6.18.2                    Pricing proposals..... 862

6.18.3                    Tariff classes ..... 864

6.18.4                    Principles governing assignment or re-assignment of retail customers to tariff classes and assessment and review of basis of charging..... 864

6.18.5                    Pricing principles ..... 865

6.18.6                    Side constraints on tariffs for standard control services ..... 867

6.18.7                    Recovery of designated pricing proposal charges ..... 868

6.18.7A                    Recovery of jurisdictional scheme amounts ..... 869

6.18.8                    Approval of pricing proposal ..... 873

6.18.9                    Publication of information about tariffs and tariff classes..... 874

**6.19.**                    **Data Required for Distribution Service Pricing ..... 875**

6.19.1                    Forecast use of networks by Distribution Customers and Embedded Generators ..... 875

6.19.2                    Confidentiality of distribution network pricing information ..... 875

**Part J**                    **Billing and Settlements ..... 875**

**6.20**                    **Billing and Settlements Process ..... 875**

6.20.1                    Billing for distribution services ..... 875

6.20.2                    Minimum information to be provided in distribution network service bills ..... 877

6.20.3                    Settlement between Distribution Network Service Providers ..... 878

6.20.4                    Obligation to pay..... 878

**Part K**                    **Prudential requirements, capital contributions and prepayments ..... 878**

**6.21**                    **Distribution Network Service Provider Prudential Requirements..... 878**

6.21.1                    Prudential requirements for distribution network service..... 878

6.21.2                    Capital contributions, prepayments and financial guarantees..... 879

6.21.3                    Treatment of past prepayments and capital contributions ..... 879

**Part L**                    **Dispute resolution ..... 880**

**6.22**                    **Dispute Resolution ..... 880**

6.22.1                    Dispute Resolution by the AER..... 880

6.22.2 Determination of dispute..... 880

6.22.3 Termination of access dispute without access determination ..... 882

**Part M Separate disclosure of transmission and distribution charges ..... 882**

**6.23 Separate disclosure of transmission and distribution charges ..... 882**

**Part N Dual Function Assets ..... 883**

**6.24 Dual Function Assets ..... 883**

6.24.1 Application of this Part ..... 883

6.24.2 Dual Function Assets ..... 883

**6.25 AER determination of applicable pricing regime for Dual Function Assets..... 884**

**6.26 Division of Distribution Network Service Provider's revenue..... 885**

**Part O Annual Benchmarking Report..... 886**

**6.27 Annual Benchmarking Report..... 886**

**Part P Distribution Reliability Measures Guidelines ..... 886**

**6.28 Distribution Reliability Measures Guidelines ..... 886**

**Schedule 6.1 Contents of building block proposals..... 887**

S6.1.1 Information and matters relating to capital expenditure ..... 887

S6.1.2 Information and matters relating to operating expenditure..... 888

S6.1.3 Additional information and matters ..... 889

**Schedule 6.2 Regulatory Asset Base ..... 891**

S6.2.1 Establishment of opening regulatory asset base for a regulatory control period ..... 891

S6.2.2 Prudency and efficiency of capital expenditure..... 896

S6.2.2A Reduction for inefficient past capital expenditure ..... 897

S6.2.2B Depreciation..... 899

S6.2.3 Roll forward of regulatory asset base within the same regulatory control period ..... 900

**6A. Economic Regulation of Transmission Services ..... 903**

**Part A Introduction..... 903**

**6A.1 Introduction to Chapter 6A ..... 903**

6A.1.1 Economic regulation of transmission services generally ..... 903

6A.1.2 [Deleted] ..... 904

6A.1.3 [Deleted] ..... 904

6A.1.4 National regulatory arrangements..... 904

6A.1.5 Application of Chapter 6A to Market Network Service Providers..... 904

6A.1.6 Application of Chapter 6A to AEMO and declared transmission system operators..... 904

**Part B Transmission Determinations Generally ..... 905**

**6A.2 Transmission determinations..... 905**

6A.2.1 Duty of AER to make transmission determinations ..... 905

6A.2.2 Components of transmission determinations ..... 905

6A.2.3 Guidelines ..... 905

<b>Part C</b>	<b>Regulation of Revenue - Prescribed Transmission Services .....</b>	<b>906</b>
<b>6A.3</b>	<b>Allowed revenue from prescribed transmission services .....</b>	<b>906</b>
6A.3.1	Allowed revenue for regulatory year .....	906
6A.3.2	Adjustment of maximum allowed revenue .....	906
<b>6A.4</b>	<b>Revenue determinations .....</b>	<b>907</b>
6A.4.1	Introduction .....	907
6A.4.2	Contents of revenue determination .....	907
<b>6A.5</b>	<b>Post-tax revenue model.....</b>	<b>908</b>
6A.5.1	Introduction .....	908
6A.5.2	Preparation, publication and amendment of post-tax revenue model.....	908
6A.5.3	Contents of post-tax revenue model .....	909
6A.5.4	Building blocks approach .....	910
6A.5.5	Shared assets .....	911
6A.5.6	Expenditure Forecast Assessment Guidelines .....	912
<b>6A.5A</b>	<b>Capital expenditure incentive mechanisms .....</b>	<b>912</b>
<b>6A.6</b>	<b>Matters relevant to the making of revenue determinations.....</b>	<b>913</b>
6A.6.1	Regulatory asset base .....	913
6A.6.2	Return on capital .....	914
6A.6.3	Depreciation .....	917
6A.6.4	Estimated cost of corporate income tax .....	918
6A.6.5	Efficiency benefit sharing scheme .....	919
6A.6.5A	Capital expenditure sharing scheme .....	920
6A.6.6	Forecast operating expenditure .....	921
6A.6.7	Forecast capital expenditure .....	924
6A.6.8	The X factor .....	928
6A.6.9	Pass through events.....	929
<b>6A.7</b>	<b>Matters relevant to the adjustment of revenue cap after making of revenue determination .....</b>	<b>929</b>
6A.7.1	Reopening of revenue determination for capital expenditure.....	929
6A.7.2	Network support pass through .....	932
6A.7.3	Cost pass through.....	934
6A.7.4	Service target performance incentive scheme.....	940
6A.7.5	Small-scale incentive scheme .....	942
<b>6A.8</b>	<b>Contingent Projects .....</b>	<b>943</b>
6A.8.1	Acceptance of a Contingent Project in a revenue determination.....	943
6A.8.2	Amendment of revenue determination for contingent project.....	944
<b>Part D</b>	<b>[Deleted] .....</b>	<b>949</b>
<b>Part E</b>	<b>Procedure - Revenue determinations and pricing methodologies .....</b>	<b>949</b>
<b>6A.10</b>	<b>Revenue Proposal and proposed pricing methodology .....</b>	<b>949</b>
6A.10.1A	AER's framework and approach paper .....	949
6A.10.1B	Notification of approach to forecasting expenditure .....	951
6A.10.1	Submission of proposal, pricing methodology and information.....	951
6A.10.2	[Deleted] .....	953
<b>6A.11</b>	<b>Preliminary examination and consultation .....</b>	<b>953</b>

6A.11.1	Preliminary examination and determination of non-compliance with relevant requirements.....	953
6A.11.2	Resubmission of proposal, framework, pricing methodology or information.....	954
6A.11.2A	Confidential information.....	954
6A.11.3	Consultation .....	954
<b>6A.12</b>	<b>Draft decision and further consultation.....</b>	<b>955</b>
6A.12.1	Making of draft decision .....	955
6A.12.2	Publication of draft decision and consultation.....	956
6A.12.3	Submission of revised proposal or pricing methodology .....	956
6A.12.4	Submissions on specified matters .....	958
<b>6A.13</b>	<b>Final decision.....</b>	<b>958</b>
6A.13.1	Making of final decision .....	958
6A.13.2	Refusal to approve amounts, values, framework or pricing methodology .....	958
6A.13.2A	Out of scope revised documents or late submissions.....	959
6A.13.3	Notice of final decision .....	960
6A.13.4	Making of transmission determination .....	960
<b>6A.14</b>	<b>Requirements relating to draft and final decisions.....</b>	<b>960</b>
6A.14.1	Contents of decisions .....	960
6A.14.2	Reasons for decisions.....	963
6A.14.3	Circumstances in which matters must be approved or accepted.....	963
<b>6A.15</b>	<b>Revocation of revenue determination or amendment of pricing methodology for wrong information or error .....</b>	<b>966</b>
<b>6A.16</b>	<b>Miscellaneous.....</b>	<b>967</b>
<b>6A.16A</b>	<b>Transmission Confidentiality Guidelines .....</b>	<b>967</b>
<b>Part F</b>	<b>Information Disclosure.....</b>	<b>968</b>
<b>6A.17</b>	<b>Information disclosure by Transmission Network Service Providers.....</b>	<b>968</b>
6A.17.1	Information to be provided to AER .....	968
6A.17.2	Information Guidelines .....	969
<b>6A.18</b>	<b>[Deleted].....</b>	<b>971</b>
<b>Part G</b>	<b>Cost Allocation .....</b>	<b>971</b>
<b>6A.19</b>	<b>Cost allocation .....</b>	<b>971</b>
6A.19.1	Duty to comply with Cost Allocation Methodology.....	971
6A.19.2	Cost Allocation Principles .....	971
6A.19.3	Cost Allocation Guidelines .....	972
6A.19.4	Cost Allocation Methodology.....	973
<b>Part H</b>	<b>Transmission Consultation Procedures .....</b>	<b>974</b>
<b>6A.20</b>	<b>Transmission consultation procedures .....</b>	<b>974</b>
<b>Part I</b>	<b>Ring-Fencing Arrangements for Transmission Network Service Providers.....</b>	<b>975</b>
<b>6A.21</b>	<b>Transmission Ring-Fencing Guidelines .....</b>	<b>975</b>
6A.21.1	Compliance with Transmission Ring-Fencing Guidelines .....	975

6A.21.2 Development of Transmission Ring-Fencing Guidelines..... 976

**Part J Prescribed Transmission Services - Regulation of Pricing ..... 977**

**6A.22 Terms used in Part J ..... 977**

6A.22.1 Aggregate annual revenue requirement (AARR) ..... 977

6A.22.2 Annual service revenue requirement (ASRR) ..... 977

6A.22.3 Meaning of attributable cost share ..... 977

6A.22.4 Meaning of attributable connection point cost share ..... 978

**6A.23 Pricing Principles for Prescribed Transmission Services ..... 978**

6A.23.1 Introduction..... 978

6A.23.2 Principles for the allocation of the aggregate annual revenue requirement ..... 978

6A.23.3 Principles for the allocation of the annual service revenue requirement to connection points..... 979

6A.23.4 Principles for the recovery of the Annual Service Revenue Requirement as prices ..... 982

**6A.24 Pricing methodology ..... 984**

6A.24.1 Pricing methodologies generally..... 984

6A.24.2 Publication of pricing methodology and transmission network prices ..... 985

6A.24.3 Basis for setting prices pending approval of pricing methodology ..... 986

6A.24.4 Basis for setting prices pending approval of maximum allowed revenue ..... 986

**6A.25 Pricing methodology guidelines for prescribed transmission services ..... 987**

6A.25.1 Making and amending of pricing methodology guidelines ..... 987

6A.25.2 Contents of pricing methodology guidelines ..... 988

**6A.26 Prudent discounts..... 989**

6A.26.1 Agreements for prudent discounts for prescribed transmission services..... 989

6A.26.2 Application to AER for approval of proposed prudent discount amounts ..... 990

**6A.27 Billing Process ..... 992**

6A.27.1 Billing for prescribed transmission services ..... 992

6A.27.1A Billing of modified load export charges ..... 992

6A.27.2 Minimum information to be provided in network service bills ..... 992

6A.27.3 Obligation to pay charges for prescribed transmission services..... 993

6A.27.4 Payments between Transmission Network Service Providers in the same region ..... 993

6A.27.5 Calculation of financial transfers between Transmission Network Service Providers in the same region..... 994

**6A.28 Prudential Requirements ..... 994**

6A.28.1 Prudential Requirements for prescribed transmission services ..... 994

6A.28.2 Capital contribution or prepayment for a specific asset..... 994

6A.28.3 Treatment of past capital contributions..... 994

**6A.29 Multiple Transmission Network Service Providers..... 995**

6A.29.1 Multiple Transmission Network Service Providers within a region..... 995

6A.29.2	Single Transmission Network Service Provider within a region.....	996
6A.29.3	Allocation over several regions .....	996
<b>6A.29A</b>	<b>Modified load export charges .....</b>	<b>996</b>
6A.29A.1	Single Transmission Network Service Provider in a Region.....	996
6A.29A.2	Calculation of the modified load export charges .....	996
6A.29A.3	Calculation of adjustments to the modified load export charge .....	997
6A.29A.4	Billing the modified load export charge .....	997
6A.29A.5	Allocation and billing process where multiple Transmission Network Service Providers in a Region.....	998
<b>Part K</b>	<b>Commercial arbitration for disputes about terms and conditions of access for prescribed and negotiated transmission services .....</b>	<b>999</b>
[Deleted]	999	
<b>Part L</b>	<b>Annual Benchmarking Report.....</b>	<b>999</b>
<b>6A.31</b>	<b>Annual Benchmarking Report.....</b>	<b>999</b>
<b>Schedule 6A.1</b>	<b>Contents of Revenue Proposals.....</b>	<b>999</b>
S6A.1.1	Information and matters relating to capital expenditure .....	999
S6A.1.2	Information and matters relating to operating expenditure.....	1000
S6A.1.3	Additional information and matters .....	1001
<b>Schedule 6A.2</b>	<b>Regulatory Asset Base .....</b>	<b>1004</b>
S6A.2.1	Establishment of opening regulatory asset base for a regulatory control period .....	1004
S6A.2.2	Prudency and efficiency of capital expenditure.....	1009
S6A.2.2A	Reduction for inefficient past capital expenditure .....	1010
S6A.2.2B	Depreciation.....	1012
S6A.2.3	Removal of assets from regulatory asset base .....	1013
S6A.2.4	Roll forward of regulatory asset base within the same regulatory control period .....	1014
<b>Schedule 6A.3</b>	<b>CRNP methodology and modified CRNP methodology.....</b>	<b>1015</b>
S6A.3.1	Meaning of optimised replacement cost .....	1015
S6A.3.2	CRNP methodology .....	1015
S6A.3.3	Modified CRNP methodology .....	1016
<b>Schedule 6A.4</b>	<b>Application of this Chapter to AEMO and declared transmission system operators.....</b>	<b>1016</b>
S6A.4.1	Application of this Chapter to AEMO etc .....	1016
S6A.4.2	Exclusions, qualifications and modifications .....	1017
<b>Chapter 6B</b>	<b>Retail markets .....</b>	<b>1027</b>
<b>Part A</b>	<b>Retail support.....</b>	<b>1027</b>
<b>Division 1 – Application and definitions .....</b>		<b>1027</b>
6B.A1.1	Application of this Part .....	1027
<b>Division 2</b>	<b>Billing and payment rules .....</b>	<b>1028</b>
6B.A2.1	Obligation to pay.....	1028
6B.A2.2	Direct customer billing and energy-only contracts .....	1028
6B.A2.3	Calculating network charges.....	1028

6B.A2.4	Statement of charges .....	1028
6B.A2.5	Time and manner of payment .....	1029
<b>Division 3</b>	<b>Matters incidental to billing and payment.....</b>	<b>1029</b>
6B.A3.1	Adjustment of network charges .....	1029
6B.A3.2	Tariff reassignment .....	1030
6B.A3.3	Disputed statements of charges.....	1031
6B.A3.4	Interest.....	1032
6B.A3.5	Notification of changes to charges.....	1032
<b>Part B</b>	<b>Credit support required for late payment .....</b>	<b>1032</b>
<b>Division 1</b>	<b>Application and definitions .....</b>	<b>1033</b>
6B.B1.1	Application of Part B .....	1033
6B.B1.2	Definitions.....	1033
<b>Division 2</b>	<b>Requirements for credit support .....</b>	<b>1033</b>
6B.B2.1	Distribution Network Service Provider may require credit support in limited circumstances .....	1033
<b>Division 3</b>	<b>Provision of credit support by retailers .....</b>	<b>1034</b>
6B.B3.1	Retailer to provide credit support .....	1034
6B.B3.2	Acceptable form of credit support .....	1034
<b>Division 4</b>	<b>Other Rules relating to credit support.....</b>	<b>1035</b>
6B.B4.1	Application of credit support .....	1035
6B.B4.2	Return of credit support .....	1035
6B.B4.3	Other retailer obligations .....	1035
<b>Schedule 6B.1</b>	<b>Prescribed form of unconditional undertaking for credit support .....</b>	<b>1036</b>
<b>7.</b>	<b>Metering.....</b>	<b>1039</b>
<b>Part A</b>	<b>Introduction.....</b>	<b>1039</b>
<b>7.1</b>	<b>Introduction to the Metering Chapter .....</b>	<b>1039</b>
7.1.1	Contents .....	1039
<b>Part B</b>	<b>Roles and Responsibilities .....</b>	<b>1039</b>
<b>7.2</b>	<b>Role and Responsibility of financially responsible Market Participant .....</b>	<b>1039</b>
7.2.1	Obligations of financially responsible Market Participants to establish metering installations .....	1039
7.2.2	[Not used].....	1040
7.2.3	Agreements with Local Network Service Provider .....	1040
7.2.4	[Not used].....	1041
7.2.5	Agreements with Metering Provider.....	1041
<b>7.3</b>	<b>Role and Responsibility of Metering Coordinator.....</b>	<b>1041</b>
7.3.1	Responsibility of the Metering Coordinator .....	1041
7.3.2	Role of the Metering Coordinator.....	1041
<b>7.4</b>	<b>Qualification and Registration of Metering Providers, Metering Data Providers and Embedded Network Managers.....</b>	<b>1045</b>
7.4.1	Qualifications and registration of Metering Providers.....	1045

7.4.2	Qualifications and registration of Metering Data Providers .....	1046
7.4.2A	Qualifications and registration of Embedded Network Managers.....	1047
7.4.2B	List of Embedded Network Managers .....	1047
7.4.3	Nature of appointment of Metering Provider or Metering Data Provider.....	1047
7.4.4	Deregistration of Metering Providers, Metering Data Providers and Embedded Network Managers.....	1048
<b>7.5</b>	<b>Role and Responsibility of AEMO .....</b>	<b>1049</b>
7.5.1	Responsibility of AEMO for the collection, processing and delivery of metering data .....	1049
7.5.2	AEMO's costs in connection with metering installation.....	1050
<b>7.5A</b>	<b>Role and Responsibility of Embedded Network Managers .....</b>	<b>1050</b>
7.5A.1	Responsibility of Embedded Network Managers for management services .....	1050
7.5A.2	EN information .....	1051
<b>Part C</b>	<b>Appointment of Metering Coordinator .....</b>	<b>1051</b>
<b>7.6</b>	<b>Appointment of Metering Coordinator .....</b>	<b>1051</b>
7.6.1	Commercial nature of the Metering Coordinator appointment and service provision .....	1051
7.6.2	Persons who may appoint Metering Coordinators.....	1052
7.6.3	Appointment with respect to transmission network connection .....	1053
7.6.4	Type 7 metering installations.....	1053
<b>7.7</b>	<b>Metering Coordinator default arrangements.....</b>	<b>1054</b>
7.7.1	Obligations of financially responsible Market Participants on Metering Coordinator default event and end of contract term.....	1054
7.7.2	Notices to be provided by Metering Coordinator .....	1055
7.7.3	AEMO may issue breach notice .....	1056
<b>Part D</b>	<b>Metering installation.....</b>	<b>1057</b>
<b>7.8</b>	<b>Metering installation arrangements.....</b>	<b>1057</b>
7.8.1	Metering installation requirements .....	1057
7.8.2	Metering installation components.....	1057
7.8.3	Small customer metering installations .....	1062
7.8.4	Type 4A metering installation .....	1062
7.8.5	Emergency management.....	1064
7.8.6	Network devices.....	1064
7.8.7	Metering point.....	1067
7.8.8	Metering installation types and accuracy.....	1068
7.8.9	Meter churn.....	1068
7.8.10	Metering installation malfunctions .....	1070
7.8.10A	Timeframes for meters to be installed – new connection .....	1071
7.8.10B	Timeframes for meters to be installed – where a connection service is not required .....	1072
7.8.10C	Timeframes for meters to be installed – where a connection alteration is required .....	1073
7.8.11	Changes to metering equipment, parameters and settings within a metering installation.....	1074
7.8.12	Special site or technology related conditions.....	1075

- 7.8.13 Joint metering installations ..... 1076
- 7.9 Inspection, Testing and Audit of Metering installations ..... 1076**
- 7.9.1 Responsibility for testing ..... 1076
- 7.9.2 Actions in event of non-compliance ..... 1079
- 7.9.3 Audits of information held in metering installations ..... 1079
- 7.9.4 Errors found in metering tests, inspections or audits ..... 1080
- 7.9.5 Retention of test records and documents ..... 1081
- 7.9.6 Metering installation registration process ..... 1082
- Part E Metering Data..... 1082**
- 7.10 Metering Data Services..... 1082**
- 7.10.1 Metering Data Services ..... 1082
- 7.10.2 Data management and storage ..... 1083
- 7.10.3 Provision of metering data to certain persons ..... 1084
- 7.10.4 Use of check metering data ..... 1085
- 7.10.5 Periodic energy metering ..... 1085
- 7.10.6 Time settings ..... 1086
- 7.10.7 Metering data performance standards ..... 1087
- 7.11 Metering data and database..... 1088**
- 7.11.1 Metering database ..... 1088
- 7.11.2 Data validation, substitution and estimation ..... 1089
- 7.11.3 Changes to energy data or to metering data ..... 1090
- 7.12 Register of Metering Information ..... 1091**
- 7.12.1 Metering register ..... 1091
- 7.12.2 Metering register discrepancy ..... 1091
- 7.13 Disclosure of NMI information..... 1091**
- 7.13.1 Application of this Rule ..... 1091
- 7.13.2 NMI and NMI checksum ..... 1091
- 7.13.3 NMI Standing Data ..... 1092
- 7.14 Metering data provision to retail customers ..... 1092**
- Part F Security of metering installation and energy data ..... 1093**
- 7.15 Security of metering installation and energy data ..... 1093**
- 7.15.1 Confidentiality ..... 1093
- 7.15.2 Security of metering installations ..... 1093
- 7.15.3 Security controls for energy data ..... 1094
- 7.15.4 Additional security controls for small customer metering installations ..... 1096
- 7.15.5 Access to data ..... 1097
- PART G Procedures ..... 1099**
- 7.16 Procedures ..... 1099**
- 7.16.1 Obligation to establish, maintain and publish procedures ..... 1099
- 7.16.2 Market Settlement and Transfer Solution Procedures ..... 1099
- 7.16.3 Requirements of the metrology procedure ..... 1100
- 7.16.4 Jurisdictional metrology material in metrology procedure ..... 1101
- 7.16.5 Additional metrology procedure matters ..... 1102
- 7.16.6 Requirements of the service level procedures ..... 1104

7.16.6A Requirements of the ENM service level procedures..... 1105

7.16.6B Guide to embedded networks..... 1106

7.16.7 Amendment of procedures in the Metering Chapter..... 1107

7.16.8 National Measurement Act ..... 1108

**Part H B2B Requirements ..... 1108**

**7.17 B2B Arrangements..... 1108**

7.17.1 B2B e-Hub ..... 1108

7.17.2 B2B e-Hub Participants ..... 1109

7.17.3 Content of the B2B Procedures..... 1109

7.17.4 Changing B2B Procedures ..... 1110

7.17.5 B2B Decision ..... 1113

7.17.6 Establishment of Information Exchange Committee ..... 1114

7.17.7 Functions and powers of Information Exchange Committee ..... 1115

7.17.8 Obligations of Members ..... 1116

7.17.9 Meetings of Information Exchange Committee..... 1117

7.17.10 Nomination, election and appointment of Members..... 1118

7.17.11 Qualifications of Members ..... 1119

7.17.12 Information Exchange Committee Election Procedures and  
Information Exchange Committee Operating Manual..... 1120

7.17.13 Cost Recovery ..... 1121

**Schedule 7.1 Metering register..... 1121**

S7.1.1 General..... 1121

S7.1.2 Metering register information ..... 1121

**Schedule 7.2 Metering Provider..... 1123**

S7.2.1 General..... 1123

S7.2.2 Categories of registration ..... 1123

S7.2.3 Capabilities of Metering Providers for metering installations types  
1, 2, 3, 4 and 4A ..... 1125

S7.2.4 Capabilities of Metering Providers for metering installations types  
5 and 6..... 1127

S7.2.5 Capabilities of Metering Providers for small customer metering  
installations ..... 1128

S7.2.6 Capabilities of the Accredited Service Provider category ..... 1128

**Schedule 7.3 Metering Data Provider ..... 1128**

S7.3.1 General..... 1128

S7.3.2 Categories of registration ..... 1129

S7.3.3 Capabilities of Metering Data Providers..... 1129

S7.3.4 Capabilities of Metering Data Providers for small customer  
metering installations ..... 1131

**Schedule 7.4 Types and Accuracy of Metering installations..... 1131**

S7.4.1 General requirements ..... 1131

S7.4.2 Metering installations commissioned prior to 13 December 1998 ..... 1132

S7.4.3 Accuracy requirements for metering installations ..... 1132

S7.4.4 Check metering ..... 1138

S7.4.5 Resolution and accuracy of displayed or captured data..... 1139

S7.4.6 General design standards ..... 1139

S7.4.6.1 Design requirements ..... 1139

S7.4.6.2 Design guidelines..... 1140

**Schedule 7.5 Requirements of minimum services specification..... 1141**  
S7.5.1 Minimum services specification ..... 1141

**Schedule 7.6 Inspection and Testing Requirements..... 1144**  
S7.6.1 General ..... 1144  
S7.6.2 Technical Guidelines ..... 1146

**Schedule 7.7 Embedded Network Managers ..... 1147**  
S7.7.1 General ..... 1147  
S7.7.2 Capabilities of Embedded Network Managers ..... 1147

**8. Administrative Functions..... 1151**

**Part A Introductory ..... 1151**

**8.1 Administrative functions ..... 1151**  
8.1.1 [Deleted] ..... 1151  
8.1.2 [Deleted] ..... 1151  
8.1.3 Structure of this Chapter ..... 1151

**Part B Disputes ..... 1152**

**8.2 Dispute Resolution ..... 1152**  
8.2.1 Application and guiding principles ..... 1152  
8.2.2 The Dispute Resolution Adviser ..... 1155  
8.2.3 Dispute management systems of Registered Participants and  
AEMO ..... 1156  
8.2.4 Stage 1 - dispute resolution through Registered Participants' DMS ..... 1157  
8.2.5 Stage 2 - dispute resolution process ..... 1159  
8.2.6A Establishment of Dispute Resolution Panel ..... 1160  
8.2.6B Parties to DRP Proceedings ..... 1161  
8.2.6C Proceedings of the DRP ..... 1162  
8.2.6D Decisions of the DRP ..... 1163  
8.2.6 [Deleted] ..... 1163  
8.2.7 Legal representation ..... 1163  
8.2.8 Cost of dispute resolution ..... 1164  
8.2.9 Effect of resolution ..... 1164  
8.2.10 Recording and publication ..... 1165  
8.2.11 Appeals on questions of law ..... 1165  
8.2.12 [Deleted] ..... 1165

**8.2A B2B Determination Disputes..... 1165**  
8.2A.1 Application of rule 8.2 ..... 1165  
8.2A.2 How rule 8.2 applies ..... 1165

**8.3 Power to make Electricity Procedures ..... 1168**

**8.4 [Deleted]..... 1169**

**8.5 [Deleted]..... 1169**

**Part C Registered Participants' confidentiality obligations ..... 1169**

**8.6 Confidentiality ..... 1169**  
8.6.1 Confidentiality ..... 1169  
8.6.1A Application..... 1170  
8.6.2 Exceptions..... 1170

8.6.3	Conditions .....	1172
8.6.4	[Deleted] .....	1172
8.6.5	Indemnity to AER, AEMC and AEMO .....	1172
8.6.6	AEMO information .....	1172
8.6.7	Information on Rules Bodies .....	1172
<b>Part D</b>	<b>Monitoring and reporting .....</b>	<b>1173</b>
<b>8.7</b>	<b>Monitoring and Reporting .....</b>	<b>1173</b>
8.7.1	Monitoring .....	1173
8.7.2	Reporting requirements and monitoring standards for Registered Participants and AEMO .....	1173
8.7.3	Consultation required for making general regulatory information order (Section 28H of the NEL).....	1175
8.7.4	Preparation of network service provider performance report (Section 28V of the NEL) .....	1176
8.7.5	[Deleted] .....	1177
8.7.6	Recovery of reporting costs .....	1177
<b>Part E</b>	<b>Reliability panel .....</b>	<b>1177</b>
<b>8.8</b>	<b>Reliability Panel .....</b>	<b>1177</b>
8.8.1	Purpose of Reliability Panel.....	1177
8.8.2	Constitution of the Reliability Panel.....	1179
8.8.3	Reliability Panel review process .....	1182
8.8.4	Determination of protected events .....	1184
<b>Part F</b>	<b>Rules consultation procedures .....</b>	<b>1186</b>
<b>8.9</b>	<b>Rules Consultation Procedures.....</b>	<b>1186</b>
<b>Part G</b>	<b>Consumer advocacy funding.....</b>	<b>1188</b>
<b>8.10</b>	<b>Consumer advocacy funding obligation .....</b>	<b>1188</b>
<b>Part H</b>	<b>Augmentations.....</b>	<b>1189</b>
<b>8.11</b>	<b>Augmentations.....</b>	<b>1189</b>
8.11.1	Application.....	1189
8.11.2	Object.....	1189
8.11.3	Definitions.....	1190
8.11.4	Planning criteria .....	1190
8.11.5	Construction of augmentation that is not a contestable augmentation.....	1191
8.11.6	Contestable augmentations .....	1191
8.11.7	Construction and operation of contestable augmentation.....	1192
8.11.8	Funded augmentations that are not subject to the tender process.....	1194
8.11.9	Contractual requirements and principles .....	1195
8.11.10	Annual planning review .....	1195
<b>Schedule 8.11</b>	<b>Principles to be reflected in agreements relating to contestable augmentations .....</b>	<b>1195</b>
S8.11.1	Risk allocation .....	1195
S8.11.2	Minimum requirements for agreements relating to contestable augmentation.....	1197
S8.11.3	Matters to be dealt with in relevant agreements .....	1197

**Part I**                    **Values of customer reliability ..... 1198**

**8.12**                    **Development of methodology and publication of values of customer reliability ..... 1198**

**8A.**                    **Participant Derogations ..... 1203**

**Part 1**                    **Derogations Granted to TransGrid..... 1203**

**8A.1**                    **[Deleted] ..... 1203**

**Part 2**                    **Derogations Granted to EnergyAustralia..... 1203**

**8A.2**                    **[Deleted] ..... 1203**

**8A.2A**                    **[Deleted] ..... 1203**

**Part 3**                    **[Deleted] ..... 1203**

**Part 4**                    **[Deleted] ..... 1203**

**Part 5**                    **[Deleted] ..... 1203**

**Part 6**                    **Derogations Granted to Victorian Market Participants ..... 1203**

**Part 7**                    **[Deleted] ..... 1204**

**Part 8**                    **[Deleted] ..... 1204**

**Part 9**                    **[Deleted] ..... 1204**

**Part 10**                    **[Deleted] ..... 1204**

**Part 11**                    **[Deleted] ..... 1204**

**Part 12**                    **[Deleted] ..... 1204**

**Part 13**                    **Derogation granted to Aurora Energy (Tamar Valley) Pty Ltd ..... 1204**

**8A.13**                    **[Deleted] ..... 1204**

**Part 14**                    **Derogations granted to Ausgrid, Endeavour Energy and Essential Energy ..... 1204**

**8A.14**                    **Derogations from Chapter 6 for the current regulatory control period and subsequent regulatory control period ..... 1204**

8A.14.1                    Definitions..... 1204

8A.14.2                    Expiry date ..... 1209

8A.14.3                    Application of Rule 8A.14..... 1209

8A.14.4                    Recovery of revenue across the current regulatory control period and subsequent regulatory control period ..... 1209

8A.14.5                    Recovery of revenue in subsequent regulatory control period only and no reopening of subsequent distribution determination required..... 1211

8A.14.6                    Recovery of revenue in subsequent regulatory control period only and reopening of distribution determination is required..... 1212

8A.14.7                    Requirements for adjustment determination ..... 1214

8A.14.8                    Application of Chapter 6 under participant derogation ..... 1214

**Part 15**                    **Derogations granted to ActewAGL ..... 1216**

**8A.15**                    **Derogations from Chapter 6 for the current regulatory control period and subsequent regulatory control period ..... 1216**

8A.15.1	Definitions.....	1216
8A.15.2	Expiry date .....	1220
8A.15.3	Application of Rule 8A.15 .....	1220
8A.15.4	Recovery of revenue across the current regulatory control period and subsequent regulatory control period .....	1220
8A.15.5	Recovery of revenue in subsequent regulatory control period only and no reopening of subsequent distribution determination required.....	1222
8A.15.6	Recovery of revenue in subsequent regulatory control period only and reopening of distribution determination is required.....	1224
8A.15.7	Requirements for adjustment determination.....	1226
8A.15.8	Application of Chapter 6 under participant derogation .....	1226
<b>9.</b>	<b>Jurisdictional Derogations and Transitional Arrangements.....</b>	<b>1231</b>
<b>9.1</b>	<b>Purpose and Application .....</b>	<b>1231</b>
9.1.1	Purpose.....	1231
9.1.2	Jurisdictional Derogations .....	1231
<b>Part A</b>	<b>Jurisdictional Derogations for Victoria .....</b>	<b>1231</b>
<b>9.2</b>	<b>[Deleted].....</b>	<b>1231</b>
<b>9.3</b>	<b>Definitions.....</b>	<b>1231</b>
9.3.1	General Definitions .....	1231
9.3.2	[Deleted] .....	1233
<b>9.3A</b>	<b>Fault levels .....</b>	<b>1233</b>
<b>9.4</b>	<b>Transitional Arrangements for Chapter 2 - Registered Participants, Registration and Cross Border Networks.....</b>	<b>1234</b>
9.4.1	[Deleted] .....	1234
9.4.2	Smelter Trader .....	1234
9.4.3	Smelter Trader: compliance .....	1235
9.4.4	Report from AER.....	1237
9.4.5	Cross Border Networks.....	1238
<b>9.5</b>	<b>[Deleted].....</b>	<b>1238</b>
<b>9.6</b>	<b>Transitional Arrangements for Chapter 4 - System Security.....</b>	<b>1238</b>
9.6.1	Operating Procedures (clause 4.10.1) .....	1238
9.6.2	Nomenclature Standards (clause 4.12) .....	1238
<b>9.7</b>	<b>Transitional Arrangements for Chapter 5 - Network Connection.....</b>	<b>1239</b>
9.7.1	[Deleted] .....	1239
9.7.2	[Deleted] .....	1239
9.7.3	[Deleted] .....	1239
9.7.4	Regulation of Distribution Network Connection.....	1239
9.7.5	[Deleted] .....	1240
9.7.6	[Deleted] .....	1240
9.7.7	[Deleted] .....	1240
<b>9.8</b>	<b>Transitional Arrangements for Chapter 6 - Network Pricing.....</b>	<b>1240</b>
9.8.1	[Deleted] .....	1240

9.8.2	[Deleted] .....	1240
9.8.3	[Deleted] .....	1240
9.8.4	Transmission Network Pricing .....	1240
9.8.4A	[Deleted] .....	1242
9.8.4B	[Deleted] .....	1242
9.8.4C	[Deleted] .....	1242
9.8.4D	[Deleted] .....	1242
9.8.4E	[Deleted] .....	1242
9.8.4F	[Deleted] .....	1242
9.8.4G	[Deleted] .....	1242
9.8.5	[Deleted] .....	1242
9.8.6	[Deleted] .....	1242
9.8.7	Distribution network pricing – transitional application of former Chapter 6.....	1242
9.8.8	Exclusion of AER's power to aggregate distribution systems and parts of distribution systems .....	1243
<b>9.9</b>	<b>Transitional Arrangements for Chapter 7 - Metering .....</b>	<b>1244</b>
9.9.1	Metering Installations To Which This Schedule Applies .....	1244
9.9.2	[Deleted] .....	1244
9.9.3	[Deleted] .....	1244
9.9.4	[Deleted] .....	1244
9.9.5	[Deleted] .....	1244
9.9.6	[Deleted] .....	1244
9.9.7	[Deleted] .....	1244
9.9.8	[Deleted] .....	1244
9.9.9	Periodic Energy Metering (clause 7.9.3) .....	1244
9.9.10	Use of Alternate Technologies (clause 7.13).....	1244
<b>9.9A</b>	<b>[Deleted].....</b>	<b>1245</b>
<b>9.9B</b>	<b>[Deleted].....</b>	<b>1245</b>
<b>9.9C</b>	<b>[Deleted].....</b>	<b>1245</b>
<b>Schedule 9A1.1</b>	<b>[Deleted].....</b>	<b>1245</b>
<b>Schedule 9A1.2</b>	<b>[Deleted].....</b>	<b>1245</b>
<b>Schedule 9A1.3</b>	<b>[Deleted].....</b>	<b>1245</b>
<b>Schedule 9A2</b>	<b>[Deleted].....</b>	<b>1245</b>
<b>Schedule 9A3</b>	<b>Jurisdictional Derogations Granted to Generators .....</b>	<b>1245</b>
1.	Interpretation of tables .....	1245
2.	Continuing effect .....	1245
3.	Subsequent agreement .....	1246
4.	[Deleted] .....	1246
5.	Reactive Power Capability (clause S5.2.5.1 of schedule 5.2) .....	1246
6.	[Deleted] .....	1247
7.	[Deleted] .....	1247
8.	[Deleted] .....	1247
9.	[Deleted] .....	1247
10.	[Deleted] .....	1247
11.	[Deleted].....	1247

12.	[Deleted] .....	1247
13.	Governor Systems (load control) (clause S5.2.5.11 of schedule 5.2).....	1247
14.	[Deleted] .....	1248
15.	[Deleted] .....	1248
16.	Excitation Control System (clause S5.2.5.13 of schedule 5.2).....	1248
<b>Part B</b>	<b>Jurisdictional Derogations for New South Wales .....</b>	<b>1248</b>
<b>9.10</b>	<b>[Deleted] .....</b>	<b>1248</b>
<b>9.11</b>	<b>Definitions .....</b>	<b>1248</b>
9.11.1	Definitions used in this Part B .....	1248
<b>9.12</b>	<b>Transitional Arrangements for Chapter 2 - Generators, Registered Participants, Registration and Cross Border Networks .....</b>	<b>1249</b>
9.12.1	[Deleted] .....	1249
9.12.2	Customers .....	1249
9.12.3	Power Traders .....	1250
9.12.4	Cross Border Networks.....	1253
<b>9.13</b>	<b>[Deleted] .....</b>	<b>1253</b>
<b>9.14</b>	<b>Transitional Arrangements for Chapter 4 - System Security.....</b>	<b>1253</b>
9.14.1	Power System Operating Procedures.....	1253
<b>9.15</b>	<b>NSW contestable services for Chapter 5A.....</b>	<b>1254</b>
9.15.1	Definitions.....	1254
9.15.2	Chapter 5A not to apply to certain contestable services .....	1254
<b>9.16</b>	<b>Transitional Arrangements for Chapter 6 - Network Pricing.....</b>	<b>1254</b>
9.16.1	NSW contestable services.....	1254
9.16.2	[Deleted] .....	1254
9.16.3	Jurisdictional Regulator .....	1254
9.16.4	Deemed Regulated Interconnector.....	1255
9.16.5	[Deleted] .....	1255
<b>9.17</b>	<b>Transitional Arrangements for Chapter 7 - Metering .....</b>	<b>1255</b>
9.17.1	Extent of Derogations .....	1255
9.17.2	Initial Registration (clause 7.1.2).....	1255
9.17.3	Amendments to Schedule 9G1.....	1255
9.17.4	Compliance with AS/NZ ISO 9002 (clause S7.4.3(f) of schedule 7.4) .....	1256
<b>9.17A</b>	<b>[Deleted] .....</b>	<b>1256</b>
<b>9.18</b>	<b>[Deleted] .....</b>	<b>1256</b>
<b>Part C</b>	<b>Jurisdictional Derogations for the Australian Capital Territory.....</b>	<b>1256</b>
<b>9.19</b>	<b>[Deleted] .....</b>	<b>1256</b>
<b>9.20</b>	<b>Definitions and Transitional Arrangements for Cross-Border Networks .....</b>	<b>1256</b>
9.20.1	Definitions.....	1256
9.20.2	Cross Border Networks.....	1256
<b>9.21</b>	<b>[Deleted] .....</b>	<b>1257</b>

<b>9.22</b>	<b>[Deleted]</b> .....	<b>1257</b>
<b>9.23</b>	<b>Transitional Arrangements for Chapter 6 - Network Pricing</b> .....	<b>1257</b>
9.23.1	[Deleted] .....	1257
9.23.2	[Deleted] .....	1257
9.23.3	[Deleted].....	1257
9.23.4	[Deleted] .....	1257
<b>9.24</b>	<b>Transitional Arrangements</b> .....	<b>1257</b>
9.24.1	Chapter 7 - Metering .....	1257
9.24.2	[Deleted] .....	1258
<b>9.24A</b>	<b>[Deleted]</b> .....	<b>1258</b>
<b>Part D</b>	<b>Jurisdictional Derogations for South Australia</b> .....	<b>1258</b>
<b>9.25</b>	<b>Definitions</b> .....	<b>1258</b>
9.25.1	[Deleted] .....	1258
9.25.2	Definitions.....	1258
<b>9.26</b>	<b>Transitional Arrangements for Chapter 2 - Registered Participants, Registration And Cross Border Networks</b> .....	<b>1260</b>
9.26.1	Registration as a Generator .....	1260
9.26.2	Registration as a Customer .....	1261
9.26.3	Cross Border Networks.....	1261
9.26.4	[Deleted] .....	1262
9.26.5	Registration as a Network Service Provider .....	1262
<b>9.27</b>	<b>[Deleted]</b> .....	<b>1263</b>
<b>9.28</b>	<b>Transitional Arrangements for Chapter 5 - Network Connection</b> .....	<b>1263</b>
9.28.1	Application of clause 5.2 .....	1263
9.28.2	[Deleted] .....	1263
<b>9.29</b>	<b>Transitional Arrangements for Chapter 6 - Economic Regulation of Distribution Services</b> .....	<b>1263</b>
9.29.1	[Deleted] .....	1263
9.29.2	[Deleted] .....	1263
9.29.3	[Deleted] .....	1263
9.29.4	[Deleted] .....	1263
9.29.5	Distribution Network Pricing – South Australia.....	1263
9.29.6	Capital contributions, prepayments and financial guarantees.....	1265
9.29.7	Ring fencing.....	1265
<b>9.29A</b>	<b>Monitoring and reporting</b> .....	<b>1265</b>
<b>9.30</b>	<b>Transitional Provisions</b> .....	<b>1266</b>
9.30.1	Chapter 7 - Metering.....	1266
<b>Part E</b>	<b>Jurisdictional Derogations for Queensland</b> .....	<b>1266</b>
<b>9.31</b>	<b>[Deleted]</b> .....	<b>1266</b>
<b>9.32</b>	<b>Definitions and Interpretation</b> .....	<b>1266</b>
9.32.1	Definitions.....	1266
9.32.2	Interpretation.....	1269
<b>9.33</b>	<b>Transitional Arrangements for Chapter 1</b> .....	<b>1269</b>

9.33.1	[Deleted] .....	1269
<b>9.34</b>	<b>Transitional Arrangements for Chapter 2 - Registered Participants and Registration .....</b>	<b>1269</b>
9.34.1	Application of the Rules in Queensland (clauses 2.2 and 2.5) .....	1269
9.34.2	Stanwell Cross Border Leases (clause 2.2).....	1269
9.34.3	[Deleted] .....	1270
9.34.4	Registration as a Customer (clause 2.3.1).....	1270
9.34.5	There is no clause 9.34.5.....	1270
9.34.6	Exempted generation agreements (clause 2.2).....	1270
<b>9.35</b>	<b>[Deleted] .....</b>	<b>1275</b>
<b>9.36</b>	<b>[Deleted] .....</b>	<b>1275</b>
<b>9.37</b>	<b>Transitional Arrangements for Chapter 5 - Network Connection .....</b>	<b>1275</b>
9.37.1	[Deleted] .....	1275
9.37.2	Existing connection and access agreements (clause 5.2).....	1275
9.37.3	[Deleted] .....	1276
9.37.4	[Deleted] .....	1276
9.37.5	Forecasts for connection points to transmission network (clause 5.11.1) .....	1276
9.37.6	There is no clause 9.37.6.....	1276
9.37.7	Cross Border Networks.....	1276
9.37.8	[Deleted] .....	1276
9.37.9	Credible contingency events (clause S5.1.2.1 of schedule 5.1).....	1276
9.37.10	Reactive power capability (clause S5.2.5.1 of schedule 5.2).....	1277
9.37.11	[Deleted] .....	1277
9.37.12	Voltage fluctuations (clause S5.1.5 of schedule 5.1).....	1277
9.37.13	[Deleted] .....	1280
9.37.14	[Deleted] .....	1280
9.37.15	[Deleted] .....	1280
9.37.16	[Deleted] .....	1280
9.37.17	[Deleted] .....	1280
9.37.18	[Deleted] .....	1280
9.37.19	Generating unit response to disturbances (clause S5.2.5.3 of schedule 5.2) .....	1280
9.37.20	[Deleted] .....	1280
9.37.21	Excitation control system (clause S.5.2.5.13 of schedule 5.2) .....	1280
9.37.22	[Deleted] .....	1281
9.37.23	Annual forecast information for planning purposes (schedule 5.7).....	1281
<b>9.38</b>	<b>Transitional Arrangements for Chapter 6 - Network Pricing.....</b>	<b>1281</b>
9.38.1	[Deleted] .....	1281
9.38.2	[Deleted] .....	1281
9.38.3	[Deleted] .....	1281
9.38.4	Interconnectors between regions.....	1281
9.38.5	Transmission pricing for exempted generation agreements .....	1282
<b>9.39</b>	<b>Transitional Arrangements for Chapter 7 - Metering .....</b>	<b>1282</b>
9.39.1	Metering installations to which this clause applies.....	1282
9.39.2	[Deleted] .....	1283
9.39.3	[Deleted] .....	1283

9.39.4	[Deleted] .....	1283
9.39.5	[Deleted] .....	1283
<b>9.40</b>	<b>Transitional Arrangements for Chapter 8 - Administration</b>	
	<b>Functions.....</b>	<b>1283</b>
9.40.1	[Deleted] .....	1283
9.40.2	[Deleted] .....	1283
9.40.3	[Deleted] .....	1283
<b>9.41</b>	<b>[Deleted].....</b>	<b>1283</b>
<b>Schedule 9E1</b>	<b>Exempted Generation Agreements .....</b>	<b>1283</b>
<b>Part F</b>	<b>Jurisdictional Derogations for Tasmania .....</b>	<b>1284</b>
<b>9.42</b>	<b>Definitions and interpretation .....</b>	<b>1284</b>
9.42.1	Definitions.....	1284
9.42.2	Interpretation.....	1285
9.42.3	National grid, power system and related expressions.....	1286
<b>9.43</b>	<b>[Deleted].....</b>	<b>1286</b>
<b>9.44</b>	<b>Transitional arrangements for Chapter 2 – Registered Participants and Registration - Customers (clause 2.3.1(e)).....</b>	<b>1286</b>
<b>9.45</b>	<b>Tasmanian Region (clause 3.5) .....</b>	<b>1286</b>
<b>9.47</b>	<b>Transitional arrangements for Chapter 5- Network Connection.....</b>	<b>1286</b>
9.47.1	Existing Connection Agreements .....	1286
<b>9.48</b>	<b>Transitional arrangements - Transmission and Distribution Pricing .....</b>	<b>1287</b>
9.48.4A	Ring fencing.....	1287
9.48.4B	Uniformity of tariffs for small customers .....	1287
9.48.5	Transmission network.....	1287
9.48.6	Deemed regulated interconnector .....	1287
<b>Part G</b>	<b>Schedules to Chapter 9 .....</b>	<b>1288</b>
<b>Schedule 9G1</b>	<b>Metering Transitional Arrangements .....</b>	<b>1288</b>
1.	Introduction.....	1288
2.	[Deleted] .....	1288
3.	General Principle .....	1288
4.	[Deleted] .....	1288
5.	Accuracy Requirements .....	1288
6.	[Deleted] .....	1289
7.	[Deleted] .....	1289
8.	[Deleted] .....	1289
9.	[Deleted] .....	1289
10.	[Deleted] .....	1289
<b>10.</b>	<b>Glossary .....</b>	<b>1293</b>
<b>11.</b>	<b>Savings and Transitional Rules .....</b>	<b>1427</b>
<b>Part A</b>	<b>Definitions.....</b>	<b>1427</b>

<b>Part B</b>	<b>System Restart Ancillary Services (2006 amendments) .....</b>	<b>1427</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>1427</b>
11.2.1	Transitional provision for acquisition of non-market ancillary services.....	1427
<b>11.3</b>	<b>[Deleted].....</b>	<b>1428</b>
<b>Part C</b>	<b>Dispute Resolution for Regulatory Test (2006 amendments) .....</b>	<b>1428</b>
<b>11.4</b>	<b>Rules consequent on making of the National Electricity Amendment (Dispute Resolution for Regulatory Test) Rule 2006.....</b>	<b>1428</b>
11.4.1	Continuation of things done under old clause 5.6.6.....	1428
<b>Part D</b>	<b>Metrology (2006 amendments) .....</b>	<b>1429</b>
<b>11.5</b>	<b>Rules consequential on the making of the National Electricity Amendment (Metrology) Rule 2006 .....</b>	<b>1429</b>
11.5.1	Definitions.....	1429
11.5.2	Metrology procedures continues to apply until 31 December 2006 .....	1429
11.5.3	Responsible person .....	1429
11.5.4	NEMMCO’s responsibility to develop a metrology procedure.....	1429
11.5.5	Jurisdictional metrology material in the metrology procedure .....	1430
<b>Part E</b>	<b>Economic Regulation of Transmission Services (2006 amendments) .....</b>	<b>1431</b>
<b>11.6</b>	<b>Rules consequent on making of the National Electricity Amendment (Economic Regulation of Transmission Services) Rule 2006.....</b>	<b>1431</b>
11.6.1	Definitions.....	1431
11.6.2	New Chapter 6A does not affect existing revenue determinations.....	1432
11.6.3	Old Part C and Schedules 6.2, 6.3, 6.4, 6.7 and 6.8 of old Chapter 6.....	1433
11.6.4	Old Part F of Chapter 6.....	1433
11.6.5	Application of new Chapter 6A to Transmission Network Service Providers .....	1433
11.6.6	Application of Chapter 6 to old distribution matters .....	1433
11.6.7	References to the old Chapter 6 .....	1433
11.6.8	References to provisions of the old Chapter 6.....	1434
11.6.9	Roll forward of regulatory asset base for first regulatory control period .....	1434
11.6.10	Other adjustment carry-over mechanisms from current to first regulatory control period.....	1434
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 .....	1434
11.6.12	Powerlink transitional provisions .....	1437
11.6.13	ElectraNet easements transitional provisions .....	1441
11.6.14	TransGrid contingent projects.....	1441
11.6.15	Transmission determination includes existing revenue determinations.....	1442

11.6.16	References to regulatory control period.....	1442
11.6.17	Consultation procedure for first proposed guidelines.....	1442
11.6.18	Reliance on proposed guidelines for SP AusNet, VENCORP and ElectraNet .....	1443
11.6.19	EnergyAustralia transitional provisions.....	1443
11.6.20	Basslink transitional provisions .....	1446
11.6.21	SPI Powernet savings and transitional provision.....	1447
11.6.22	Interim arrangements pricing-related information.....	1449
<b>Part F</b>	<b>Reform of Regulatory Test Principles (2006 amendments) .....</b>	<b>1449</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>1449</b>
11.7.1	Definitions.....	1449
11.7.2	Amending Rule does not affect old clause 5.6.5A.....	1450
<b>Part G</b>	<b>Pricing of Prescribed Transmission Services (2006 amendments) .....</b>	<b>1450</b>
<b>11.8</b>	<b>Rules consequent on making the National Electricity Amendment (Pricing of Prescribed Transmission Services) Rule 2006.....</b>	<b>1450</b>
11.8.1	Definitions.....	1450
11.8.2	Regulated interconnectors.....	1451
11.8.3	Application of new Part J of Chapter 6A to Transmission Network Service Providers .....	1451
11.8.4	Reliance on agreed interim guideline for ElectraNet, SPAusNet, and VenCorp .....	1451
11.8.5	Prudent discounts under existing agreements .....	1452
11.8.6	Application of prudent discounts regime under rule 6A.26.....	1452
11.8.7	Prudent discounts pending approval of pricing methodology .....	1452
<b>Part H</b>	<b>Reallocations (2007 amendments) .....</b>	<b>1453</b>
<b>11.9</b>	<b>Rules consequent on the making of the National Electricity Amendment (Reallocations) Rule 2007 .....</b>	<b>1453</b>
11.9.1	Definitions.....	1453
11.9.2	Existing and transitional reallocations .....	1454
<b>Part I</b>	<b>Technical Standards for Wind Generation (2007 amendments).....</b>	<b>1454</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>1454</b>
11.10.1	Definitions.....	1454
11.10.2	Provision of information under S5.2.4 in registration application.....	1454
11.10.3	Access standards made under the old Chapter 5.....	1455
11.10.4	Modifications to plant by Generators .....	1455
11.10.5	Technical Details to Support Application for Connection and Connection Agreement .....	1455
11.10.6	Transitional arrangements for establishment of performance standards .....	1456
11.10.7	Jurisdictional Derogations for Queensland.....	1456

<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>1456</b>
11.10A.1	Definitions.....	1456
11.10A.2	Registration and reclassification of classified generating units.....	1457
11.10A.3	Registered generating unit.....	1458
11.10A.4	Classification of potential semi-scheduled generating unit.....	1458
11.10A.5	Participant fees.....	1458
11.10A.6	Timetable.....	1459
11.10A.7	Procedure for contribution factors for ancillary service transactions.....	1459
11.10A.8	Guidelines for energy conversion model information.....	1459
<b>Part J</b>	<b>Cost Recovery of Localised Regulation Services (2007 amendments) .....</b>	<b>1460</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>1460</b>
11.11.1	Definitions.....	1460
11.11.2	Action taken by NEMMCO for the purposes of Amending Rule.....	1460
<b>11.12</b>	<b>[Deleted].....</b>	<b>1460</b>
<b>Part L</b>	<b>[Deleted].....</b>	<b>1460</b>
<b>Division 1</b>	<b>General Provisions.....</b>	<b>1460</b>
11.14	General provisions.....	1460
<b>Part M</b>	<b>Economic Regulation of Distribution Services (2007 amendments) .....</b>	<b>1464</b>
<b>Division 1</b>	<b>General Provisions.....</b>	<b>1464</b>
11.14	General provisions.....	1464
<b>Division 2</b>	<b>[Deleted].....</b>	<b>1468</b>
<b>Division 3</b>	<b>Transitional arrangements for first distribution determination for Queensland Distribution Network Service Providers .....</b>	<b>1468</b>
11.16	Transitional arrangements for first distribution determination for Queensland Distribution Network Service Providers.....	1468
<b>Division 4</b>	<b>Transitional provisions of specific application to Victoria .....</b>	<b>1471</b>
11.17	Transitional provisions of specific application to Victoria.....	1471
<b>Part N</b>	<b>Registration of Foreign Based Persons and Corporations as Trader Class Participants (2007 amendments).....</b>	<b>1474</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>1474</b>
11.18.1	Definitions.....	1474
11.18.2	Auction rules.....	1474
<b>Part O</b>	<b>Process for Region Change (2007 amendments).....</b>	<b>1474</b>
<b>11.19</b>	<b>Rules consequent on making of the National Electricity Amendment (Process for Region Change) Rule 2007.....</b>	<b>1474</b>
11.19.1	Definitions.....	1474

11.19.2	Regions Publication .....	1474
<b>Part P</b>	<b>Integration of NEM Metrology Requirements.....</b>	<b>1475</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>1475</b>
11.20.1	Definitions.....	1475
11.20.2	Metering installations for non-market generating units immediately prior to 30 June 2008 .....	1475
11.20.3	First-tier load metering installations .....	1476
11.20.4	First-tier load metering installations in Victoria.....	1476
11.20.5	Minimalist Transitioning Approach in Queensland.....	1476
11.20.6	First-tier jurisdictional requirements publication.....	1476
11.20.7	Metrology procedure.....	1477
<b>Part PA</b>	<b>Reliability Settings: Information Safety Net and Directions .....</b>	<b>1477</b>
<b>11.21</b>	<b>Rules consequential on the making of the National Electricity Amendment (NEM Reliability Settings: Information Safety Net and Directions) Rule 2008 .....</b>	<b>1477</b>
11.21.1	Definitions.....	1477
11.21.2	EAAP guidelines.....	1477
11.21.3	[Deleted] .....	1477
11.21.4	[Deleted] .....	1477
11.21.5	Timetable .....	1477
11.21.6	Power system security and reliability standards .....	1478
11.21.7	Report on statement of opportunities .....	1478
11.21.8	Methodology for dispatch prices and ancillary services prices .....	1478
<b>Part Q</b>	<b>Regulatory Test Thresholds and Information Disclosure on Network Replacements.....</b>	<b>1478</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>1478</b>
11.22.1	Definitions.....	1478
11.22.2	Amending Rule does not affect existing regulatory test.....	1479
<b>Part R</b>	<b>Performance Standard Compliance of Generators .....</b>	<b>1479</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>1479</b>
11.23.1	Definitions.....	1479
11.23.2	Application of rule 11.23 for compliance programs implemented immediately after the commencement of the Amending Rule .....	1479
11.23.3	Application of rule 11.23 for compliance programs implemented immediately prior to the commencement of the Amending Rule.....	1480
11.23.4	Application of rule 11.23 for compliance programs not implemented immediately prior to the commencement of the Amending Rule .....	1480
<b>Part S</b>	<b>[Deleted].....</b>	<b>1480</b>

<b>Part U</b>	<b>Confidentiality Arrangements concerning Information required for Power System Studies .....</b>	<b>1480</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>1480</b>
11.25.1	Definitions.....	1480
11.25.2	Transitional arrangements for the provision of information.....	1480
<b>Part V</b>	<b>WACC Reviews: Extension of Time .....</b>	<b>1482</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>1482</b>
11.26.1	Definitions.....	1482
11.26.2	Extension of time to submit a regulatory proposal for the regulatory control period 2010-2015.....	1482
<b>Part W</b>	<b>National Transmission Statement .....</b>	<b>1482</b>
<b>11.27</b>	<b>Rules consequent on the making of the National Electricity Amendment (National Transmission Statement) Rule 2009.....</b>	<b>1482</b>
11.27.1	Definitions.....	1482
11.27.2	Purpose.....	1483
11.27.3	Application of rule 11.27 .....	1483
11.27.4	National Transmission Statement .....	1483
11.27.5	Scope and Content of National Transmission Network Development Plan.....	1485
11.27.6	Energy Adequacy Assessment Projection .....	1485
11.27.7	Amendment to Last Resort Power .....	1486
11.27.8	Actions taken prior to commencement of Rule .....	1486
<b>Part X</b>	<b>National Transmission Planning .....</b>	<b>1486</b>
<b>11.28</b>	<b>Rules consequential on the making of the National Electricity (Australian Energy Market Operator) Amendment Rules 2009.....</b>	<b>1486</b>
11.28.1	Definitions.....	1486
11.28.2	Jurisdictional planning bodies and representatives.....	1486
11.28.3	Criteria and guidelines published by Inter-regional Planning Committee.....	1487
11.28.4	Augmentation technical reports .....	1487
11.28.5	Last Resort Planning Power.....	1487
11.28.6	Inter-network power system tests .....	1488
11.28.7	Control and protection settings for equipment.....	1488
11.28.8	Revenue Proposals .....	1488
<b>Part Y</b>	<b>Regulatory Investment Test for Transmission.....</b>	<b>1488</b>
<b>11.29</b>	<b>Rules consequent on making of the National Electricity Amendment (Regulatory Investment Test for Transmission) Rule 2009.....</b>	<b>1488</b>
11.29.1	Definitions.....	1488
11.29.2	Period when Amending Rule applies to transmission investment.....	1489
<b>Part Z</b>	<b>Congestion Information Resource.....</b>	<b>1490</b>

**11.30 Rules consequent on the making of the National Electricity Amendment (Congestion Information Resource) Rule 2009 ..... 1490**

11.30.1 Definitions..... 1490

11.30.2 Interim congestion Information resource..... 1490

**Part ZA Reliability and emergency reserve trader (2009 amendments) ..... 1492**

**11.31 Rules consequent on the making of the National Electricity Amendment (Improved RERT Flexibility and Short-notice Reserve Contracts) Rule 2009..... 1492**

11.31.1 Definitions..... 1492

11.31.2 Purpose..... 1492

11.31.3 Amendments to Reliability Panel's RERT Guidelines..... 1493

11.31.4 Amendments to AEMO's RERT procedures for exercising the RERT ..... 1493

**Part ZB Early Application of Market Impact Parameters..... 1494**

**11.32 Rules consequent on the making of the National Electricity Amendment (Early Implementation of Market Impact Parameters) Rule 2010 ..... 1494**

11.32.1 Definitions..... 1494

11.32.2 Purpose..... 1495

11.32.3 Early application of the market impact component of the service target performance incentive scheme..... 1495

**Part ZC Transparency of operating data ..... 1498**

**11.33 Rules consequential on the making of National Electricity Amendment (Transparency of Operating Data) Rule 2010..... 1498**

11.33.1 Definitions..... 1498

11.33.2 Spot market operations timetable..... 1498

**Part ZD Cost Recovery for Other Services Directions ..... 1500**

**11.34 Rules consequent on making of the National Electricity Amendment (Cost Recovery for Other Services Directions) Rule 2010..... 1500**

11.34.1 Definitions..... 1500

11.34.2 Period when Amending Rules applies to funding of compensation ..... 1501

**Part ZE Payments under Feed-in Schemes and Climate Change Funds ..... 1501**

**11.35 Rules consequential on the making of the National Electricity Amendment (Payments under Feed-in Schemes and Climate Change Funds) Rule 2010 ..... 1501**

11.35.1 Definitions..... 1501

11.35.2 Application of recovery of jurisdictional scheme Rules..... 1502

11.35.3 Reporting on jurisdictional schemes ..... 1503

11.35.4 Revocation and substitution of distribution determination for jurisdictional scheme recovery ..... 1504

**Part ZF Transitional Arrangements for Ministerial Smart Meter Roll Out Determinations ..... 1505**

**11.36 Ministerial Smart Meter Roll Out Determinations ..... 1505**

11.36.1 Definitions..... 1505

11.36.2	Meaning of relevant metering installation .....	1505
11.36.3	Period of application of rule to relevant metering installation .....	1506
11.36.4	Designation of responsible person .....	1506
11.36.5	[Deleted] .....	1506
11.36.6	[Deleted] .....	1506
<b>Part ZG</b>	<b>Provision of Metering Data Services and Clarification of Existing Metrology Requirements.....</b>	<b>1506</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>1506</b>
11.37.1	Definitions.....	1506
11.37.2	Commencement of special site or technology related conditions.....	1506
11.37.3	Initial service level procedures .....	1507
<b>Part ZH</b>	<b>Spot Market Operations Timetable .....</b>	<b>1507</b>
<b>11.38</b>	<b>Rules consequential on the making of National Electricity Amendment (Amendments to PASA-related Rules) Rule 2010 .....</b>	<b>1507</b>
11.38.1	Definitions.....	1507
11.38.2	Spot market operations timetable.....	1508
<b>Part ZI</b>	<b>DNSP Recovery of Transmission-related Charges .....</b>	<b>1508</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>1508</b>
11.39.1	Definitions.....	1508
11.39.2	Recovery by Victorian distribution network service providers during current regulatory control period.....	1509
11.39.3	Recovery by Victorian distribution network service providers for shared network augmentations.....	1510
11.39.4	Bairnsdale network support agreement.....	1510
11.39.5	Approval of pricing proposal .....	1510
11.39.6	Ergon Energy transitional charges .....	1510
11.39.7	Energex transitional charges .....	1510
<b>Part ZJ</b>	<b>Network Support and Control Ancillary Services.....</b>	<b>1510</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>1510</b>
11.40.1	Definitions.....	1510
11.40.2	Purpose.....	1511
11.40.3	Existing NCAS contracts to continue .....	1511
11.40.4	Amendments to existing guidelines .....	1511
11.40.5	New procedures .....	1512
11.40.6	Decisions and actions taken prior to Amending Rule.....	1512
<b>Part ZK</b>	<b>Application of Dual Marginal Loss Factors .....</b>	<b>1512</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>1512</b>
11.41.1	Definitions.....	1512

11.41.2	Amendments to loss factor methodology .....	1513
11.41.3	Procedure applying dual intra-regional loss factors in central dispatch and spot market transactions.....	1513
11.41.4	Publication of intra-regional loss factors .....	1513
<b>Part ZL</b>	<b>Tasmania Tranche 5a Procedure Changes.....</b>	<b>1513</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>1513</b>
11.42.1	Definitions.....	1513
11.42.2	AEMO may amend Relevant Procedures .....	1514
<b>Part ZM</b>	<b>Application and Operation of Administered Price Periods .....</b>	<b>1514</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>1514</b>
11.43.1	Definitions.....	1514
11.43.2	Administered Price Cap Schedule .....	1515
<b>Part ZO</b>	<b>Negative Intra-regional Settlements Residue .....</b>	<b>1515</b>
<b>11.45</b>	<b>Rules consequential on the making of National Electricity Amendment (Negative Intra-regional Settlements Residue) Rule 2012.....</b>	<b>1515</b>
11.45.1	Definitions.....	1515
11.45.2	Recovery of negative settlements residue prior to consultation under the Amending Rule .....	1516
11.45.3	First consultation on negative intra-regional settlements residue procedure.....	1516
<b>Part ZP</b>	<b>Interim Connection Charging Rules .....</b>	<b>1517</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>1517</b>
Division 1	Preliminary.....	1517
Division 2	Jurisdictional differences .....	1519
Division 3	General provisions .....	1527
<b>Part ZQ</b>	<b>NSW transitional retail support and credit support rules.....</b>	<b>1527</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>1527</b>
Division 1	Preliminary.....	1527
<b>Part ZR</b>	<b>Miscellaneous transitional rules—NERL .....</b>	<b>1533</b>
<b>11.48</b>	<b>Rules consequential on the making of the National Electricity (National Energy Retail Law) Amendment Rule 2012.....</b>	<b>1533</b>
11.48.1	Extension of time period for AER to consider certain pass through applications .....	1533
<b>Part ZS</b>	<b>Cost pass through arrangements for Network Service Providers.....</b>	<b>1534</b>

- 11.49 Rules consequential on the making of National Electricity Amendment (Cost pass through arrangements for Network Service Providers) Rule 2012 ..... 1534**
- 11.49.1 Definitions..... 1534**
- 11.49.2 Terrorism event is a cost pass through event in the current regulatory control period ..... 1534**
- 11.49.3 Transitional arrangement for Powerlink..... 1534**
- 11.49.4 Transitional arrangements for ElectraNet and Murraylink ..... 1535**
- Part ZT Distribution Network Planning and Expansion ..... 1535**
- 11.50 Rules consequential on the making of the National Electricity Amendment (Distribution Network Planning and Expansion) Rule 2012..... 1535**
- 11.50.1 Interpretation..... 1535
- 11.50.2 Definitions..... 1536
- 11.50.3 Timing for first Distribution Annual Planning Report ..... 1536
- 11.50.4 Contents of Distribution Annual Planning Report..... 1536
- 11.50.5 Transition from the regulatory test to the regulatory investment test for distribution ..... 1538
- Part ZU New Prudential Standard and Framework in the NEM ..... 1539**
- 11.51 Rules consequential on the making of the National Electricity Amendment (New Prudential Standard and Framework in the NEM) Rule 2012..... 1539**
- 11.51.1 Definitions..... 1539
- 11.51.2 AEMO's responsibility to develop and publish the credit limit procedures ..... 1539
- 11.51.3 Transition to the framework for determining prudential settings ..... 1539
- 11.51.4 Prior consultation, step, decision or action taken by AEMO..... 1540
- Part ZV Small Generation Aggregator Framework..... 1540**
- 11.52 Rules consequential on the making of the National Electricity Amendment (Small Generation Aggregator Framework) Rule 2012..... 1540**
- 11.52.1 Definitions..... 1540
- 11.52.2 Commencement of participant fees as well as transactions, funding and settlements under Chapter 3 for Market Small Generation Aggregators..... 1541
- 11.52.3 Participant fees for Market Small Generation Aggregators..... 1541
- 11.52.4 Ancillary service transactions, funding of compensation for directions and intervention settlements for directions for Market Small Generation Aggregators..... 1542
- 11.52.5 Amendments to the carbon dioxide equivalent intensity index procedures ..... 1542
- 11.52.6 Amendments of the metrology procedures ..... 1543
- 11.52.7 Amendments to the Market Settlement and Transfer Solution Procedures..... 1543

<b>Part ZW</b>	<b>Economic Regulation of Network Service Providers (2012 amendments) .....</b>	<b>1544</b>
<b>Division 1</b>	<b>Miscellaneous transitional provisions .....</b>	<b>1544</b>
11.53	Publication of Chapter 6 Guidelines .....	1544
11.54	Publication of Chapter 6A Guidelines .....	1545
<b>Division 2</b>	<b>Transitional provisions for NSW/ACT Distribution Network Service Providers .....</b>	<b>1547</b>
11.55	General provisions .....	1547
11.56	Special provisions applying to affected DNSPs .....	1550
<b>Division 3</b>	<b>Transitional provisions for NSW and Tasmanian Transmission Network Service Providers and Directlink.....</b>	<b>1562</b>
11.57	General provisions .....	1562
11.58	Special provisions applying to affected TNSPs.....	1565
<b>Division 4</b>	<b>Transitional provisions for the Victorian TNSP .....</b>	<b>1574</b>
11.59	Special provisions applying to the Victorian TNSP .....	1574
<b>Division 5</b>	<b>Transitional provisions for Qld/SA and Victorian Distribution Network Service Providers.....</b>	<b>1576</b>
11.60	Special provisions applying to the Qld/SA and Victorian Distribution Network Service Providers.....	1576
<b>Division 6</b>	<b>Review of past capital expenditure.....</b>	<b>1582</b>
11.61	Definitions and application .....	1582
11.62	Review of past capital expenditure under Chapter 6 .....	1582
11.63	Review of past capital expenditure under Chapter 6A .....	1583
<b>Part ZX</b>	<b>Inter-regional Transmission Charging .....</b>	<b>1583</b>
<b>11.64</b>	<b>Rules consequent on the making of the National Electricity Amendment (Inter-regional Transmission Charging) Rule 2013 .....</b>	<b>1583</b>
11.64.1	Definitions.....	1583
11.64.2	Amendments to the pricing methodology guidelines .....	1584
11.64.3	Amendments to the pricing methodologies of Transmission Network Service Providers .....	1584
11.64.4	Commencement of clause 6A.23.3(f) for further adjustments .....	1585
<b>Part ZY</b>	<b>Network Service Provider Expenditure Objectives.....</b>	<b>1585</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>1585</b>
11.65.1	Definitions.....	1585
11.65.2	Application of rule 11.65 .....	1586
<b>Part ZZ</b>	<b>Access to NMI Standing Data .....</b>	<b>1586</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>1586</b>
11.66.1	Definitions.....	1586
11.66.2	Minor amendment of the Market Settlement and Transfer Solution Procedures.....	1586
<b>Part ZZA</b>	<b>Publication of Zone Substation Data.....</b>	<b>1587</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>1587</b>
11.67.1	Definitions.....	1587
11.67.2	Distribution Network Service Providers' obligations to commence on the next DAPR date .....	1587
<b>Part ZZB</b>	<b>Connecting Embedded Generators .....</b>	<b>1587</b>
<b>11.68</b>	<b>Rules consequential on the making of the National Electricity Amendment (Connecting embedded generators) Rule 2014 .....</b>	<b>1587</b>
11.68.1	Definitions.....	1587
11.68.2	Continuation of enquiries lodged.....	1588
<b>Part ZZC</b>	<b>Customer access to information about their energy consumption.....</b>	<b>1588</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>1588</b>
11.69.1	Definitions.....	1588
11.69.2	AEMO to develop and publish the metering data provision procedure.....	1588
<b>Part ZZD</b>	<b>National Electricity Amendment (Distribution Network Pricing Arrangements) Rule 2014.....</b>	<b>1588</b>
<b>Division 1</b>	<b>Miscellaneous transitional provisions .....</b>	<b>1588</b>
11.70	General provisions .....	1588
11.70.1	Definitions.....	1588
<b>Division 2</b>	<b>Transitional provisions for NSW/ACT and Qld/SA Distribution Network Service Providers.....</b>	<b>1591</b>
11.72	General provisions .....	1591
11.72.1	Definitions.....	1591
11.73	Special provisions applying to affected DNSPs .....	1591
11.73.1	Distribution determination and pricing proposals.....	1591
11.73.2	Tariff structure statement.....	1591
11.73.3	Dispute resolution .....	1597
<b>Division 3</b>	<b>Transitional provisions for Tasmanian Distribution Network Service Provider.....</b>	<b>1598</b>
11.74	Application of former Chapter 6.....	1598
<b>Division 4</b>	<b>Transitional provisions for Victorian Distribution Network Service Providers .....</b>	<b>1598</b>
11.75	General provisions .....	1598
11.75.1	Definitions.....	1598
11.76	Special provisions applying to affected DNSPs .....	1598
11.76.1	Distribution determination and pricing proposals.....	1598
11.76.2	Tariff structure statement.....	1599
11.76.3	Dispute resolution .....	1605
<b>Part ZZE</b>	<b>Early Application of Network Capability Component (STPIS).....</b>	<b>1605</b>
<b>11.77</b>	<b>Rules consequent on the making of the National Electricity Amendment (Early Application of Service Target Performance</b>	

	<b>Incentive Scheme (STPIS) Components for Transmission Businesses) Rule 2015 .....</b>	<b>1605</b>
11.77.1	Definitions.....	1605
11.77.2	Purpose.....	1606
11.77.3	Earlier application of the network capability component of the service target performance incentive scheme .....	1606
<b>Part ZZF</b>	<b>National Electricity Amendment (Governance arrangements and implementation of the reliability standard and settings) Rule 2015.....</b>	<b>1608</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>1608</b>
11.78.1	Definitions.....	1608
11.78.2	Existing power system security and reliability standards .....	1609
11.78.3	Reliability standard and settings guidelines.....	1609
11.78.4	Reliability standard implementation guidelines.....	1609
<b>Part ZZG</b>	<b>Improving demand side participation information provided to AEMO by registered participants .....</b>	<b>1612</b>
<b>11.79</b>	<b>Rules consequential on making of the National Electricity Amendment (Improving demand side participation information provided to AEMO by registered participants) Rule 2015.....</b>	<b>1612</b>
<b>11.79.1</b>	<b>AEMO to develop and publish the demand side participation information guidelines .....</b>	<b>1612</b>
<b>Part ZZH</b>	<b>Transitional Arrangements for Aligning TasNetworks' regulatory control periods.....</b>	<b>1612</b>
<b>11.80</b>	<b>National Electricity Amendment (Aligning TasNetworks' regulatory control periods) Rule 2015 .....</b>	<b>1612</b>
11.80.1	Definitions.....	1612
11.80.2	Application of rule 11.80 .....	1613
11.80.3	Next regulatory control period.....	1613
11.80.4	Subsequent regulatory control period .....	1613
<b>Part ZZI</b>	<b>System Restart Ancillary Services.....</b>	<b>1613</b>
<b>11.81</b>	<b>Rules consequential on the making of the National Electricity Amendment (System Restart Ancillary Services) Rule 2015.....</b>	<b>1613</b>
11.81.1	Definitions.....	1613
11.81.2	System restart standard .....	1614
11.81.3	SRAS Guideline.....	1614
11.81.4	Regional Benefit Ancillary Services Procedures .....	1614
11.81.5	Consultation prior to the Commencement Date.....	1614
11.81.6	Existing SRAS Contract .....	1614
<b>Part ZZJ</b>	<b>Demand management incentive scheme .....</b>	<b>1615</b>
<b>11.82</b>	<b>Rules consequential on making of the National Electricity Amendment (Demand management incentive scheme) Rule 2015.....</b>	<b>1615</b>

11.82.1	Definitions.....	1615
11.82.2	AER to develop and publish the demand management incentive scheme and demand management innovation allowance mechanism .....	1615
<b>Part ZZK</b>	<b>AEMO access to demand forecasting information .....</b>	<b>1615</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>1615</b>
11.83.1	AEMO to include supporting information in NTNDP database.....	1615
<b>Part ZZL</b>	<b>Compensation arrangements following application of an Administered Price Cap or Administered Floor Price.....</b>	<b>1616</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>1616</b>
11.84.1	Definitions.....	1616
11.84.2	Compensation Guidelines .....	1616
<b>Part ZZM</b>	<b>Common definitions of distribution reliability measures.....</b>	<b>1616</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>1616</b>
11.85.1	Definitions.....	1616
11.85.2	Distribution reliability measures guidelines .....	1617
11.85.3	Amended STPIS.....	1617
<b>Part ZZN</b>	<b>Expanding competition in metering and metering related services .....</b>	<b>1617</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>1617</b>
11.86.1	Definitions.....	1617
11.86.2	References to old Chapter 7 .....	1617
11.86.3	References to provisions of the old Chapter 7 .....	1618
11.86.4	References to responsible person.....	1618
11.86.5	Continued operation of old Rules until the effective date .....	1618
11.86.6	New and amended procedures .....	1618
11.86.7	Metering Coordinator for type 5 or 6 metering installation from effective date .....	1619
11.86.8	Distribution Ring Fencing Guidelines .....	1622
11.86.9	[Deleted] .....	1622
<b>Part ZZO</b>	<b>Embedded Networks.....</b>	<b>1622</b>
<b>11.87</b>	<b>Rules consequential on the making of the National Electricity Amendment (Embedded Networks) Rule 2015.....</b>	<b>1622</b>
11.87.1	Definitions.....	1622
11.87.2	Amended Procedures and NMI Standing Data Schedule .....	1623
11.87.3	ENM service level procedures and guide to embedded networks and list of Embedded Network Managers.....	1623
11.87.4	Exemptions under section 13 of the National Electricity Law .....	1624

**Part ZZP**      **Meter Replacement Processes..... 1624**

**11.88**      **Rules consequential on the making of the National Electricity  
Amendment (Meter Replacement Processes) Rule 2016..... 1624**

11.88.1      Definitions..... 1624

11.88.2      Amended Procedures ..... 1624

**Part ZZQ**      **Energy Adequacy Assessment Projection..... 1625**

**11.89**      **Rules consequential to the National Electricity Amendment  
(Energy Adequacy Assessment Projection timeframes) Rule  
2016..... 1625**

11.89.1      Amended guideline and timetable ..... 1625

**Part ZZR**      **Reliability and emergency reserve trader (2016 amendments) ..... 1625**

**11.90**      **Rules consequent on the making of the National Electricity  
Amendment (Extension of the Reliability and Emergency  
Reserve Trader) Rule 2016 ..... 1625**

11.90.1      Definitions..... 1625

11.90.2      Amendments to Reliability Panel's RERT Guidelines..... 1625

11.90.3      Amendments to AEMO's RERT procedures ..... 1625

11.90.4      Reserve contracts entered into before Schedule 2 commencement  
date ..... 1626

**Part ZZS**      **Updating the electricity B2B framework..... 1626**

**11.91**      **Rules consequential on the making of the National Electricity  
Amendment (Updating the electricity B2B framework) rule  
2016..... 1626**

11.91.1      Definitions..... 1626

11.91.2      B2B Procedures ..... 1627

11.91.3      Information Exchange Committee Election Procedures and  
Information Exchange Committee Operating Manual..... 1627

11.91.4      The New IEC ..... 1628

11.91.5      Amended Procedures ..... 1629

11.91.6      B2B e-Hub Participant accreditation process ..... 1630

11.91.7      New IEC Budget and 2016 Annual Report..... 1630

11.91.8      Cost recovery ..... 1631

**Part ZZT**      **Application of Offsets in the Prudential Margin Calculation..... 1631**

**11.92**      **Rules consequential on the making of the National Electricity  
Amendment (Application of Offsets in the Prudential Margin  
Calculation) Rule 2016 ..... 1631**

11.92.1      Definitions..... 1631

11.92.2      Amended procedures ..... 1631

**Part ZZU**      **Rate of Return Guidelines Review ..... 1632**

**11.93**      **Rules consequential on the making of the National Electricity  
Amendment (Rate of Return Guidelines Review) Rule 2016 ..... 1632**

11.93.1      Definitions..... 1632

11.93.2      Application of current rate of return guidelines to making of a  
distribution determination for the subsequent regulatory control  
period ..... 1633

**Part ZZV Demand Response Mechanism and Ancillary Services Unbundling ..... 1634**

**11.94 Rules consequential on the making of the National Electricity Amendment (Demand Response Management and Ancillary Services Unbundling) rule 2016..... 1634**

11.94.1 Definitions..... 1634

11.94.2 Participant fees for Market Ancillary Service Providers ..... 1634

**Part ZZW Local Generation Network Credits ..... 1634**

**11.95 Rules consequential on the making of the National Electricity Amendment (Local Generation Network Credits) Rule 2016 ..... 1634**

11.95.1 Definitions..... 1634

11.95.2 System limitation template ..... 1634

**Part ZZX Retailer-Distributor Credit Support Requirements..... 1635**

**11.96 Rules consequent on the making of the National Electricity Amendment (Retailer Distributor Credit Support Requirements) Rule 2017 No. 1 ..... 1635**

11.96.1 Definitions..... 1635

11.96.2 Continued operation of old Chapter 6B ..... 1635

11.96.3 Interaction with Chapter 6 ..... 1635

11.96.4 Application of new Chapter 6B ..... 1635

**Part ZZY Emergency Frequency Control Schemes ..... 1636**

**11.97 Rules consequent on the making of the National Electricity Amendment (Emergency frequency control schemes) Rule 2017 .... 1636**

11.97.1 Definitions ..... 1636

11.97.2 Interim frequency operating standards for protected events..... 1636

11.97.3 First power system frequency risk review ..... 1637

11.97.4 AEMO must review existing load shedding procedures..... 1637

11.97.5 Load shedding procedures ..... 1637

**Part ZZZ Transmission Connection and Planning Arrangements ..... 1638**

**11.98 Rules consequential on the making of the National Electricity Amendment (Transmission Connection and Planning Arrangements) Rule 2017..... 1638**

11.98.1 Definitions..... 1638

11.98.2 Grandfathering of existing dedicated connection assets..... 1639

11.98.3 Preparatory steps for registration changes under the Amending Rule ..... 1640

11.98.4 Participant fees for Dedicated Connection Asset Service Providers ..... 1640

11.98.5 Existing Connection Agreements ..... 1640

11.98.6 Connection process ..... 1641

11.98.7 Transmission Annual Planning Report ..... 1641

11.98.8 Preservation for adoptive jurisdictions ..... 1641

**Part ZZZA Replacement expenditure planning arrangements..... 1642**

**11.99 Rules consequential on the making of the National Electricity Amendment (Replacement expenditure planning arrangements) Rule 2017 ..... 1642**

11.99.1	Definitions.....	1642
11.99.2	Interpretation.....	1643
11.99.3	Transitional arrangements for affected DNSPs .....	1643
11.99.4	Amendments to RIT documentation.....	1644
11.99.5	Transitional arrangements relating to excluded projects .....	1644
11.99.6	Transitional arrangements relating to Victorian bushfire mitigation projects.....	1644
11.99.7	Transitional arrangements relating to review of costs thresholds.....	1645
<b>Part ZZZB</b>	<b>Managing the rate of change of power system frequency .....</b>	<b>1645</b>
<b>11.100</b>	<b>Rules consequential on the making of the National Electricity Amendment (Managing the rate of change of power system frequency) Rule 2017 .....</b>	<b>1645</b>
11.100.1	Definitions.....	1645
11.100.2	Inertia sub-networks.....	1646
11.100.3	Inertia requirements methodology .....	1646
11.100.4	Inertia requirements .....	1647
11.100.5	NSCAS not to be used to meet an inertia shortfall after 1 July 2019 .....	1647
11.100.6	Inertia network services may be used to meet an NSCAS gap declared in the NSCAS transition period.....	1648
11.100.7	Inertia network services made available before the commencement date.....	1648
<b>Part ZZZC</b>	<b>Managing power system fault levels.....</b>	<b>1649</b>
<b>11.101</b>	<b>Rules consequential on the making of the National Electricity Amendment (Managing power system fault levels) Rule 2017 .....</b>	<b>1649</b>
11.101.1	Definitions.....	1649
11.101.2	System strength impact assessment guidelines.....	1650
11.101.3	System strength requirements methodology .....	1650
11.101.4	System strength requirements .....	1651
11.101.5	NSCAS not to be used to meet a fault level shortfall after 1 July 2019.....	1651
11.101.6	System strength services may be used to meet an NSCAS gap declared in the NSCAS transition period.....	1652
11.101.7	Withdrawal of a system strength-related NSCAS gap already declared.....	1652
11.101.8	System strength services made available before the commencement date.....	1653
<b>Part ZZZD</b>	<b>Generating System Model Guidelines.....</b>	<b>1653</b>
<b>11.102</b>	<b>Making of Power System Model Guidelines.....</b>	<b>1653</b>
<b>Part ZZZE</b>	<b>Five Minute Settlement.....</b>	<b>1653</b>
<b>11.103</b>	<b>Rules consequential on the making of the National Electricity Amendment (Five Minute Settlement) Rule 2017.....</b>	<b>1653</b>
11.103.1	Definitions.....	1653
11.103.2	Amendments to procedures.....	1654
11.103.3.	Exemption for certain metering installations.....	1655
11.103.4	New or replacement meters .....	1656
11.103.5	Metering installations exempt from metering data provision requirements.....	1656

11.103.6	Exemption from meter data storage requirements .....	1656
11.103.7	Default offers and bids submitted prior to the commencement date .....	1656
<b>Part ZZZF</b>	<b>Contestability of energy services .....</b>	<b>1656</b>
<b>11.104</b>	<b>Rules consequential on the making of the National Electricity Amendment (Contestability of energy services) Rule 2017.....</b>	<b>1656</b>
11.104.1	Definitions.....	1656
11.104.2	New guidelines.....	1658
11.104.3	Transitional arrangements for application of Distribution Service Classification Guidelines and service classification provisions .....	1658
11.104.4	Transitional arrangements for application of Asset Exemption Guidelines, exemption applications and asset exemption decisions.....	1659
11.104.5	Transitional arrangements for adjustment in value of regulatory asset base.....	1660
<b>Part ZZZG</b>	<b>Declaration of lack of reserve conditions.....</b>	<b>1661</b>
<b>11.105</b>	<b>Making of lack of reserve declaration guidelines.....</b>	<b>1661</b>
11.105.1	Definitions.....	1661
11.105.2	Making of lack of reserve declaration guidelines .....	1661
<b>Part ZZZH</b>	<b>Implementation of demand management incentive scheme .....</b>	<b>1661</b>
<b>11.106</b>	<b>Implementation of demand management incentive scheme .....</b>	<b>1661</b>
11.106.1	Definitions.....	1661
11.106.2	Purpose.....	1662
11.106.3	Early application of revised demand management incentive scheme .....	1662
<b>Part ZZZI</b>	<b>Reinstatement of long notice Reliability and Emergency Reserve Trader.....</b>	<b>1664</b>
<b>11.107</b>	<b>Rules consequential on the making of the National Electricity Amendment (Reinstatement of long notice Reliability and Emergency Reserve Trader) Rule 2018 .....</b>	<b>1664</b>
11.107.1	Definitions.....	1664
11.107.2	New RERT guidelines .....	1664
11.107.3	Amendments to RERT procedures .....	1668
11.107.4	Reserve contracts entered into before the commencement date .....	1668
<b>Part ZZZJ</b>	<b>Register of distributed energy resources .....</b>	<b>1668</b>
<b>11.108</b>	<b>Rules consequential on the making of the National Electricity Amendment (Register of distributed energy resources) Rule 2018.....</b>	<b>1668</b>
11.108.1	Definitions.....	1668
11.108.2	AEMO to develop and publish DER register information guidelines .....	1668
11.108.3	NSPs to provide AEMO with existing DER generation information .....	1668
<b>Part ZZZK</b>	<b>Generator technical performance standards.....</b>	<b>1669</b>
<b>11.109</b>	<b>Rules consequential on the making of the National Electricity Amendment (Generator technical performance standards) Rule 2018.....</b>	<b>1669</b>
11.109.1	Definitions.....	1669
11.109.2	Application of the Amending Rule to existing connection enquiries .....	1670

11.109.3 Application of the Amending Rule to existing applications to connect ..... 1671

11.109.4 Application of the Amending Rule to existing offers to connect ..... 1673

11.109.5 Application of the Amending Rule to Existing Connection Agreements ..... 1674

**Part ZZZL Generator three year notice of closure..... 1674**

**11.110 Rules consequential on the making of the National Electricity Amendment (Generator three year notice of closure) Rule 2018..... 1674**

11.110.1 Definitions..... 1674

11.110.2 AER to develop and publish notice of closure exemption guideline..... 1675

11.110.3 Application of Amending Rule to AEMO ..... 1675

11.110.4 Application of Amending Rule to Generators ..... 1675

**Part ZZZM Participant compensation following market suspension ..... 1675**

**11.111 Rules consequential on the making of the National Electricity Amendment (Participant compensation following market suspension) Rule 2018..... 1675**

11.111.1 Definitions..... 1675

11.111.2 Market suspension compensation methodology and schedule of benchmark values..... 1675

**Part ZZZN Global settlement and market reconciliation ..... 1676**

**11.112 Rules consequential on the making of the National Electricity Amendment (Global settlement and market reconciliation) Rule 2018..... 1676**

11.112.1 Definitions..... 1676

11.112.2 Amendments to AEMO procedures..... 1676

11.112.3 AEMO to publish report on unaccounted for energy trends..... 1677

11.112.4 Continuation of registration for non-market generators ..... 1677

11.112.5 Publication of UFE data by AEMO ..... 1677

11.112.6 Publication of UFE reporting guidelines ..... 1677

**Part ZZZO Metering installation timeframes ..... 1677**

**11.113 Rules consequential on making of the National Electricity Amendment (Metering installation timeframes) Rule 2018..... 1677**

11.113.1 Definitions..... 1677

11.113.2 Timeframes for meters to be installed ..... 1678