

National Electricity Rules Version 127

Historical Information

This version of the National Electricity Rules was current from 21 November 2019 to 30 November 2019.

National Electricity Rules

Version 127

Status Information

This is the latest electronically available version of the National Electricity Rules as at 21 November 2019.

This consolidated version of the National Electricity Rules was last updated on 21 November 2019 as a result of the commencement of the following amendments:

National Electricity Amendment (Minor changes) Rule 2019 No. 9

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 2 and 3 of the National Electricity Amendment (Transparency of new projects) Rule 2019 No. 8 will commence operation on 1 December 2019.

Schedule 1 of the National Electricity Amendment (Transparency of new projects) Rule 2019 No. 8 will commence operation on 19 December 2019.

National Electricity Amendment (Monitoring and reporting on frequency control framework) Rule 2019 No. 6 will commence on 1 January 2020.

Schedule 1 of the National Electricity Amendment (Enhancement to the Reliability and Emergency Reserve Trader) Rule 2019 No. 3 will commence operation on 26 March 2020.

Schedule 2 of the National Electricity Amendment (Retailer Reliability Obligation) Rule 2019 will commence operation on 26 March 2020 immediately after the commencement of Schedule 1 of the National Electricity Amendment (Enhancement to the Reliability and Emergency Reserve Trader) Rule 2019 No. 3.

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.

Schedule 2 of the National Electricity Amendment (Intervention compensation and settlement processes) Rule 2019 No. 5 will commence operation on 1 July 2021, immediately after the commencement of Schedule 6 of the National Electricity Amendment (Five Minute Settlement) Rule 2017 No. 15.

Schedule 2 of the National Electricity Amendment (Five minute settlement and global settlement implementation amendments) Rule 2019 No. 7 will commence operation on 1 July 2021, immediately after the commencement of Schedules 1 to 6 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.

Schedules 3 to 5 of the National Electricity Amendment (Five minute settlement and global settlement implementation amendments) Rule 2019 No. 7 will commence operation on 6 February 2022, immediately after the commencement of Schedules 1 to 4 of the National Electricity Amendment (Global settlement and market reconciliation) Rule 2018 No. 14.

TABLE OF CONTENTS

1. Introduction3

1.1 Preliminary.....3

1.1.1 References to the Rules3

1.1.2 Italicised expressions3

1.1.3 [Deleted]3

1.2 Background3

1.3 Nomenclature of and references to provisions of a Chapter3

1.3.1 Introduction.....3

1.3.2 Parts, Divisions and Subdivisions.....3

1.3.3 Rules, clauses, paragraphs, subparagraphs and other items4

1.4 Effect of renumbering of provisions of the Rules5

1.5 [Deleted].....5

1.6 [Deleted].....5

1.7 Interpretation5

1.7.1 General.....5

1.8 Notices6

1.8.1 Service of notices under the Rules.....6

1.8.2 Time of service6

1.8.3 Counting of days.....7

1.8.4 Reference to addressee7

1.9 Retention of Records and Documents.....7

1.10 [Deleted].....7

1.11 AEMO Rule Funds7

2. Registered Participants and Registration13

2.1 Registered Participants13

2.1.1 Purpose13

2.1.2 General.....13

2.2 Generator.....13

2.2.1 Registration as a Generator.....13

2.2.2 Scheduled Generator.....14

2.2.3 Non-Scheduled Generator15

2.2.4 Market Generator.....16

2.2.5 Non-Market Generator.....16

2.2.6 Ancillary services generating unit17

2.2.7 Semi-Scheduled Generator18

2.3 Customer20

2.3.1 Registration as a Customer20

2.3.2 First-Tier Customer21

2.3.3 Second-Tier Customer21

2.3.4 Market Customer21

- 2.3.5 Ancillary services load22
- 2.3A Small Generation Aggregator.....24**
- 2.3A.1 Registration.....24
- 2.3AA Market Ancillary Service Provider25**
- 2.3AA.1 Registration.....25
- 2.4 Market Participant26**
- 2.4.1 Registration as a category of Market Participant.....26
- 2.4.2 Eligibility26
- 2.4A Metering Coordinator27**
- 2.4A.1 Registration as a Metering Coordinator.....27
- 2.4A.2 Eligibility27
- 2.5 Network Service Provider28**
- 2.5.1 Registration as a Network Service Provider28
- 2.5.1A Dedicated Connection Asset Service Provider29
- 2.5.2 Market Network Service.....30
- 2.5.3 Scheduled Network Service.....31
- 2.5A Trader32**
- 2.5B Reallocator.....33**
- 2.6 Special Participant.....33**
- 2.7 Intention to Commence Activities or Functions33**
- 2.8 Registered Participant Rights and Obligations34**
- 2.8.1 Rights and obligations34
- 2.9 Application to be Registered as a Registered Participant.....34**
- 2.9.1 Applications for Registration.....34
- 2.9.2 Registration as a Registered Participant34
- 2.9.3 Registration as an Intermediary35
- 2.9A Transfer of Registration36**
- 2.9A.1 Definitions36
- 2.9A.2 Applications for Transfer of Registration.....36
- 2.9A.3 Approval for Transfer of Registration37
- 2.10 Ceasing to be a Registered Participant.....38**
- 2.10.1 Notification of intention38
- 2.10.2 Ceasing Participation40
- 2.10.3 Liability after cessation.....41
- 2.11 Participant Fees41**
- 2.11.1A Application41
- 2.11.1 Development of Participant fee structure41
- 2.11.2 Payment of Participant fees44
- 2.11.3 Budgeted revenue requirements44
- 2.12 Interpretation of References to Various Registered Participants.....45**

- 2A. Regional Structure51**

Part A	Region change applications and region determinations by AEMC	51
2A.1	Introduction to Chapter 2A	51
2A.1.1	Definitions	51
2A.1.2	AEMC determination of regions	51
2A.1.3	Publication of regions by AEMO	51
2A.2	Region change applications.....	51
2A.2.1	A complete region change application.....	51
2A.2.2	Identifying a congestion problem	52
2A.2.3	Explanation of economic efficiency of proposed region solution	52
2A.2.4	Region change application must be technically competent.....	52
2A.2.5	Alternative congestion management options	53
2A.2.6	Previous application relating to congestion problem.....	53
2A.2.7	AEMO to provide information to intending applicants.....	54
2A.2.8	AEMC may refuse to accept incomplete applications.....	54
2A.3	Acceptance of region change application by AEMC	55
2A.3.1	Acceptance of a region change application by AEMC.....	55
2A.3.2	Preliminary consultation prior to acceptance of a region change application.....	55
2A.4	First round consultation on region change application.....	56
2A.4.1	Notice of first round consultation	56
2A.4.2	Right to make written submissions during first round consultation period	56
2A.4.3	Alternative region solution put forward by third parties	56
2A.4.4	Acceptance as a formal alternative region solution by AEMC	57
2A.5	Provision of supplementary economic analysis.....	58
2A.5.1	AEMC may direct provision of supplementary analysis	58
2A.5.2	AEMC may direct AEMO to provide information.....	58
2A.6	Region determinations.....	59
2A.6.1	AEMC powers to make a region determination	59
2A.6.2	Matters for consideration in making region determination	59
2A.7	Draft region determination and second round consultation.....	60
2A.7.1	Publishing of draft region determination	60
2A.7.2	Second round consultation.....	60
2A.7.3	Right to make written submissions during second round consultation.....	60
2A.8	Final region determination	60
2A.8.1	Final determination for region change.....	60
2A.8.2	Formal publication of region determination	61
2A.9	Miscellaneous matters for region change process.....	61
2A.9.1	AEMC may extend periods of time specified in Chapter 2A	61
2A.9.2	Consultation meeting in relation to region change application	61
Part B	Implementation of region determination.....	62
2A.10	Purpose and application of Part B	62
2A.10.1	Purpose of Part B	62

2A.10.2 Application of Part B62

2A.11 Region Change Implementation Procedure62

2A.11.1 Submission of draft Region Change Implementation Procedure62

2A.11.2 Approved Region Change Implementation Procedure63

2A.12 AEMO region change implementation functions63

2A.12.1 General implementation functions.....63

2A.12.2 Implementation functions referable to published implementation procedure63

2A.12.3 Amendment of current or subsequent Regions and Loss Factors Publication63

2A.13 Continuity of regions63

Schedule 2A.1 Glossary for Chapter 2A64

3. Market Rules69

3.1 Introduction to Market Rules.....69

3.1.1 Purpose69

3.1.1A Definitions69

3.1.2 [Deleted]70

3.1.3 [Deleted]70

3.1.4 Market design principles.....70

3.1.5 Time for undertaking action71

3.2 AEMO's Market Responsibilities.....71

3.2.1 Market functions of AEMO71

3.2.2 Spot market.....71

3.2.3 Power system operations72

3.2.4 Non-market ancillary services function.....72

3.2.5 [Deleted]72

3.2.6 Settlements.....72

3.3 Prudential Requirements72

3.3.1 Market Participant criteria72

3.3.2 Credit support72

3.3.3 Acceptable credit criteria73

3.3.4 Acceptable credit rating74

3.3.4A Prudential standard74

3.3.5 Amount of credit support.....74

3.3.6 Changes to credit support74

3.3.7 Drawings on credit support.....75

3.3.8 Credit limit procedures and prudential settings75

3.3.8A Security Deposits77

3.3.9 Outstandings77

3.3.10 Trading limit78

3.3.11 Call notices78

3.3.12 Typical accrual.....79

3.3.13 Response to Call Notices79

3.3.13A Application of monies in the security deposit fund80

3.3.14 Potential value of a transaction81

3.3.15 Trading margin82

- 3.3.16 Limitation on entry of transactions82
- 3.3.17 Scheduled prices82
- 3.3.18 Additional credit support83
- 3.3.19 Consideration of other Market Participant transactions83
- 3.4 Spot Market.....83**
- 3.4.1 Establishment of spot market.....83
- 3.4.2 Trading day and trading interval.....84
- 3.4.3 Spot market operations timetable84
- 3.5 Regions.....84**
- 3.5.1 [Deleted]84
- 3.5.2 [Deleted]84
- 3.5.3 [Deleted]84
- 3.5.4 [Deleted]84
- 3.5.5 [Deleted]84
- 3.5.6 [Deleted]84
- 3.6 Network Losses and Constraints.....84**
- 3.6.1 Inter-regional losses84
- 3.6.2 Intra-regional losses86
- 3.6.2A Load and generation data used to determine inter-regional loss factor equations and intra-regional loss factors89
- 3.6.3 Distribution losses91
- 3.6.4 Network constraints95
- 3.6.5 Settlements residue due to network losses and constraints95
- 3.7 Projected Assessment of System Adequacy.....97**
- 3.7.1 Administration of PASA.....97
- 3.7.2 Medium term PASA98
- 3.7.3 Short term PASA100
- 3.7A Congestion information resource103**
- 3.7B Unconstrained intermittent generation forecast.....105**
- 3.7C Energy Adequacy Assessment Projection106**
- 3.7D Demand side participation information.....109**
- 3.8 Central Dispatch and Spot Market Operation111**
- 3.8.1 Central Dispatch111
- 3.8.2 Participation in central dispatch.....113
- 3.8.3 Bid and offer aggregation guidelines.....114
- 3.8.3A Ramp rates115
- 3.8.4 Notification of scheduled capacity118
- 3.8.5 Submission timing119
- 3.8.6 Generating unit offers for dispatch119
- 3.8.6A Scheduled network service offers for dispatch121
- 3.8.7 Bids for scheduled load123
- 3.8.7A Market ancillary services offers.....124
- 3.8.8 Validation of dispatch bids and offers125
- 3.8.9 Default offers and bids.....126
- 3.8.10 Network constraints127
- 3.8.11 Ancillary services constraints128

3.8.12	System scheduled reserve constraints.....	128
3.8.13	Notification of constraints	129
3.8.14	Dispatch under conditions of supply scarcity	129
3.8.15	[Deleted]	129
3.8.16	Equal priced dispatch bids and dispatch offers.....	129
3.8.17	Self-commitment	130
3.8.18	Self-decommitment.....	130
3.8.19	Dispatch inflexibilities.....	131
3.8.20	Pre-dispatch schedule	133
3.8.21	On-line dispatch process.....	135
3.8.22	Rebidding.....	136
3.8.22A	Offers, bids and rebids must not be false or misleading.....	138
3.8.23	Failure to conform to dispatch instructions	140
3.8.24	Scheduling errors	141
3.9	Price Determination.....	142
3.9.1	Principles applicable to spot price determination	142
3.9.2	Determination of spot prices.....	143
3.9.2A	Determination of ancillary services prices.....	145
3.9.2B	Pricing where AEMO determines a manifestly incorrect input.....	145
3.9.3	Pricing in the event of intervention by AEMO	147
3.9.3A	Reliability standard and settings review	148
3.9.3B	Reliability standard and settings review report	149
3.9.3C	Reliability standard	149
3.9.3D	Implementation of the reliability standard.....	150
3.9.4	Market Price Cap	151
3.9.5	Application of the Market Price Cap	152
3.9.6	Market Floor Price.....	152
3.9.6A	Application of the Market Floor Price.....	152
3.9.7	Pricing for constrained-on scheduled generating units.....	153
3.10	[Deleted].....	154
3.11	Ancillary Services	154
3.11.1	Introduction.....	154
3.11.2	Market ancillary services.....	154
3.11.3	Acquisition of Network Support and Control Ancillary Service.....	156
3.11.4	Guidelines and objectives for acquisition of network support and control ancillary services	156
3.11.5	Tender process for network support and control ancillary services	157
3.11.6	Dispatch of network support and control ancillary services by AEMO.....	159
3.11.7	Guidelines and objectives for acquisition of system restart ancillary services by AEMO.....	159
3.11.8	Determination of electrical sub-network boundaries.....	161
3.11.9	Acquisition of system restart ancillary services by AEMO.....	161
3.11.10	Reporting	162
3.12	Market Intervention by AEMO	162
3.12.1	Intervention settlement timetable	162
3.12.2	Affected Participants and Market Customers entitlements to compensation in relation to AEMO intervention.....	163

3.12.3	Role of the Independent Expert in calculating payments in relation to intervention by AEMO and market suspension pricing schedule periods.....	167
3.12A	Mandatory restrictions.....	169
3.12A.1	Restriction offers	169
3.12A.2	Mandatory restrictions schedule	171
3.12A.3	Acquisition of capacity	172
3.12A.4	Rebid of capacity under restriction offers.....	172
3.12A.5	Dispatch of restriction offers	172
3.12A.6	Pricing during a restriction price trading interval.....	173
3.12A.7	Determination of funding restriction shortfalls	173
3.12A.8	Cancellation of a mandatory restriction period.....	177
3.12A.9	Review by AEMC.....	177
3.13	Market Information.....	178
3.13.1	Provision of information.....	178
3.13.2	Systems and procedures.....	178
3.13.3	Standing data	180
3.13.3A	Statement of opportunities.....	185
3.13.4	Spot market.....	187
3.13.4A	Market ancillary services.....	191
3.13.5	Ancillary services contracting by AEMO.....	191
3.13.5A	Settlements residue auctions.....	191
3.13.6	[Deleted]	192
3.13.6A	Report by AEMO.....	192
3.13.7	Monitoring of significant variation between forecast and actual prices by AER.....	193
3.13.8	Public information	194
3.13.9	[Deleted]	194
3.13.10	Market auditor	194
3.13.11	[Deleted]	195
3.13.12	NMI Standing Data.....	195
3.13.12A	NMI Standing Data Schedule	199
3.13.13	Inter-network tests	199
3.13.14	Carbon Dioxide Equivalent Intensity Index	199
3.14	Administered Price Cap and Market Suspension.....	203
3.14.1	Cumulative Price Threshold and Administered Price Cap	203
3.14.2	Application of Administered Price Cap.....	204
3.14.3	Conditions for suspension of the spot market.....	205
3.14.4	Declaration of market suspension.....	206
3.14.5	Pricing during market suspension.....	207
3.14.5A	Payment of compensation due to market suspension pricing schedule periods.....	209
3.14.5B	Claims for additional compensation due to market suspension pricing schedule periods	212
3.14.6	Compensation due to the application of an administered price cap or administered floor price.....	213
3.15	Settlements.....	217
3.15.1	Settlements management by AEMO	217
3.15.2	Electronic funds transfer.....	218

- 3.15.3 Connection point and virtual transmission node responsibility.....218
- 3.15.4 Adjusted energy amounts connection points218
- 3.15.5 Adjusted energy - transmission network connection points219
- 3.15.5A Adjusted energy - virtual transmission nodes.....219
- 3.15.6 Spot market transactions.....219
- 3.15.6A Ancillary service transactions.....220
- 3.15.7 Payment to Directed Participants.....232
- 3.15.7A Payment to Directed Participants for services other than energy and
market ancillary services234
- 3.15.7B Claim for additional compensation by Directed Participants236
- 3.15.8 Funding of Compensation for directions238
- 3.15.8A Funding of compensation for market suspension pricing schedule
periods.....243
- 3.15.9 Reserve settlements244
- 3.15.10 Administered price cap or administered floor price compensation
payments246
- 3.15.10A Goods and services tax247
- 3.15.10B Restriction contract amounts248
- 3.15.10C Intervention and Market Suspension Pricing Schedule Period
Settlements.....249
- 3.15.11 Reallocation transactions252
- 3.15.11A Reallocation procedures.....254
- 3.15.12 Settlement amount254
- 3.15.13 Payment of settlement amount.....255
- 3.15.14 Preliminary statements.....255
- 3.15.15 Final statements255
- 3.15.15A Use of estimated settlement amounts by AEMO.....256
- 3.15.16 Payment by market participants.....256
- 3.15.17 Payment to market participants256
- 3.15.18 Disputes256
- 3.15.19 Revised Statements and Adjustments257
- 3.15.20 Payment of adjustments259
- 3.15.21 Default procedure259
- 3.15.22 Maximum total payment in respect of a billing period.....263
- 3.15.23 Maximum total payment in respect of a financial year265
- 3.15.24 Compensation for reductions under clause 3.15.23266
- 3.15.25 Interest on overdue amounts266
- 3.16 Participant compensation fund266**
- 3.16.1 Establishment of Participant compensation fund266
- 3.16.2 Dispute resolution panel to determine compensation267
- 3.17 [Deleted].....269**
- 3.18 Settlements Residue Auctions269**
- 3.18.1 Settlements residue concepts269
- 3.18.2 Auctions and eligible persons270
- 3.18.3 Auction rules.....271
- 3.18.3A Secondary trading of SRD units272
- 3.18.4 Proceeds and fees.....272
- 3.18.4A Secondary trading proceeds and margin.....273
- 3.18.5 Settlement residue committee.....274

3.19 Market Management Systems Access Procedures.....275

3.20 Reliability and Emergency Reserve Trader276

3.20.1 [Deleted]276

3.20.2 Reliability and emergency reserve trader276

3.20.3 Reserve contracts277

3.20.4 Dispatch pricing methodology for unscheduled reserve contracts278

3.20.5 AEMO's risk management and accounts relating to the reliability safety net.....278

3.20.6 Reporting on RERT by AEMO278

3.20.7 AEMO's exercise of the RERT281

3.20.8 RERT Guidelines.....282

3.20.9 [Deleted]283

Schedule 3.1 Bid and Offer Validation Data283

Schedule 3.2 [Deleted].....287

Schedule 3.3 [Deleted].....287

4. Power System Security291

4.1 Introduction.....291

4.1.1 Purpose291

4.2 Definitions and Principles291

4.2.1 [Deleted]291

4.2.2 Satisfactory Operating State291

4.2.3 Credible and non-credible contingency events and protected events292

4.2.3A Re-classifying contingency events293

4.2.3B Criteria for re-classifying contingency events294

4.2.4 Secure operating state and power system security.....295

4.2.5 Technical envelope295

4.2.6 General principles for maintaining power system security296

4.2.7 Reliable Operating State297

4.2.8 Time for undertaking action297

4.3 Power System Security Responsibilities and Obligations297

4.3.1 Responsibility of AEMO for power system security.....297

4.3.2 System security299

4.3.3 The role of System Operators302

4.3.4 Network Service Providers303

4.3.5 Market Customer obligations308

4.4 Power System Frequency Control.....309

4.4.1 Power system frequency control responsibilities309

4.4.2 Operational frequency control requirements309

4.4.3 Generator protection requirements309

4.4.4 Instructions to enable inertia network services.....310

4.4.5 Instructions to enable system strength services311

4.5 Control of Power System Voltage312

4.5.1 Power system voltage control312

4.5.2 Reactive power reserve requirements313

4.5.3 Audit and testing.....313

4.6	Protection of Power System Equipment	313
4.6.1	Power system fault levels	313
4.6.2	Power system protection co-ordination	314
4.6.3	Audit and testing.....	314
4.6.4	Short-term thermal ratings of power system	314
4.6.5	Partial outage of power protection systems	314
4.6.6	System strength impact assessment guidelines.....	315
4.7	Power System Stability Co-ordination.....	316
4.7.1	Stability analysis co-ordination	316
4.7.2	Audit and testing.....	317
4.8	Power System Security Operations	317
4.8.1	Registered Participants' advice	317
4.8.2	Protection or control system abnormality.....	317
4.8.3	AEMO's advice on power system emergency conditions.....	317
4.8.4	Declaration of conditions.....	318
4.8.4A	Reserve level declaration guidelines.....	318
4.8.4B	Lack of reserve framework reporting	319
4.8.5	Managing declarations of conditions.....	319
4.8.5A	Determination of the latest time for AEMO intervention.....	320
4.8.5B	Notifications of last time of AEMO intervention	321
4.8.6	[Deleted]	321
4.8.7	Managing a power system contingency event.....	321
4.8.8	[Deleted]	322
4.8.9	Power to issue directions and clause 4.8.9 instructions.....	322
4.8.9A	System security directions	323
4.8.10	Disconnection of generating units and market network services	324
4.8.11	[Deleted]	324
4.8.12	System restart plan and local black system procedures.....	324
4.8.13	[Deleted]	326
4.8.14	Power system restoration.....	326
4.8.15	Review of operating incidents	326
4.9	Power System Security Related Market Operations	328
4.9.1	Load forecasting	328
4.9.2	Instructions to Scheduled Generators and Semi-Scheduled Generators.....	329
4.9.2A	Dispatch Instructions to Scheduled Network Service Providers	330
4.9.3	Instructions to Registered Participants	330
4.9.3A	Ancillary services instructions.....	331
4.9.3B	Compliance with dispatch instructions.....	331
4.9.4	Dispatch related limitations on Scheduled Generators and Semi- Scheduled Generators	332
4.9.4A	Dispatch related limitations on Scheduled Network Service Providers	333
4.9.5	Form of dispatch instructions	333
4.9.6	Commitment of scheduled generating units	334
4.9.7	De-commitment, or output reduction, by Scheduled Generators	335
4.9.8	General responsibilities of Registered Participants	336
4.9.9	Scheduled Generator plant changes.....	337
4.9.9A	Scheduled Network Service Provider plant changes	337

4.9.9B Ancillary service plant changes337

4.9.9C Inertia network service availability changes.....338

4.9.9D System strength service availability changes338

4.10 Power System Operating Procedures338

4.10.1 Power system operating procedures338

4.10.2 Transmission network operations339

4.10.3 Operating interaction with distribution networks340

4.10.4 Switching of a Distributor's high voltage networks.....340

4.10.5 Switching of reactive power facilities340

4.10.6 Automatic reclose341

4.10.7 Inspection of facilities by AEMO341

4.11 Power System Security Support341

4.11.1 Remote control and monitoring devices341

4.11.2 Operational control and indication communication facilities.....342

4.11.3 Power system voice/data operational communication facilities343

4.11.4 Records of power system operational communication344

4.11.5 Agent communications345

4.12 Nomenclature Standards.....346

4.13 [Deleted].....347

4.14 Acceptance of Performance Standards.....347

4.15 Compliance with Performance Standards.....348

4.16 Transitioning arrangements for establishment of performance standards352

4.16.1 Definitions352

4.16.2 Exclusions354

4.16.3 Notification and acceptance of performance standards354

4.16.4 Actual capability359

4.16.5 Criteria for, and negotiation of, performance standards359

4.16.6 Consultation with and assistance by Network Service Providers.....362

4.16.7 Referral to expert determination362

4.16.8 Prior actions363

4.16.9 Deemed performance standards.....363

4.16.10 Modification of connection agreements364

4.17 Expert determination364

4.17.1 Performance standards committee and appointment of performance standards experts.....364

4.17.2 Referral to performance standards expert.....365

4.17.3 Determinations of performance standards experts.....366

4.17.4 Other matters367

4A Retailer Reliability Obligation371

Part A Introduction.....371

4A.A Definitions.....371

4A.A.1 Definitions371

4A.A.2 Forecast reliability gap materiality374

4A.A.3	One-in-two year peak demand forecast	374
4A.A.4	Peak demand	374
Part B	Reliability Forecasts	375
4A.B.1	Reliability forecast	375
4A.B.2	Reliability forecast components	375
4A.B.3	Supporting materials	376
4A.B.4	Reliability Forecast Guidelines	376
4A.B.5	AER Forecasting Best Practice Guidelines	377
Part C	Reliability Instruments.....	378
Division 1	AEMO request for a reliability instrument.....	378
4A.C.1	AEMO request for a reliability instrument	378
4A.C.2	AEMO request for a T-3 reliability instrument	378
4A.C.3	AEMO request for a T-1 reliability instrument	378
4A.C.4	Related T-3 reliability instrument	379
4A.C.5	Notification of a closed forecast reliability gap at T-1	379
4A.C.6	Corrections to a request	379
4A.C.7	Withdrawing a request	380
Division 2	AER making of a reliability instrument	380
4A.C.8	AER making of a reliability instrument	380
4A.C.9	When a decision by the AER must be made.....	380
4A.C.10	T-1 reliability instrument components.....	381
4A.C.11	AER decision making criteria.....	381
4A.C.12	Reliability Instrument Guidelines	381
Part D	Liabe Entities	382
4A.D.1	Application	382
4A.D.2	Liabe entities.....	382
4A.D.3	New entrants	382
4A.D.4	Application to register as large opt-in customer.....	383
4A.D.5	Application to register as prescribed opt-in customer	384
4A.D.6	Thresholds.....	384
4A.D.7	Opt-in cut-off day	385
4A.D.8	AER approval of applications.....	385
4A.D.9	AER opt-in register.....	385
4A.D.10	Changes to register	386
4A.D.11	AER register taken to be correct.....	386
4A.D.12	AEMO Opt-In Procedures	387
4A.D.13	AER Opt-In Guidelines	387
Part E	Qualifying Contracts and Net Contract Position.....	388
Division 1	Key concepts.....	388
4A.E.1	Qualifying contracts.....	388
4A.E.2	Net contract position.....	389
Division 2	Firmness methodologies	389
4A.E.3	Firmness methodology.....	389
4A.E.4	Types of methodologies.....	390
4A.E.5	Approval of a bespoke firmness methodology	390
Division 3	Reporting net contract position	391

4A.E.6	Reporting requirements	391
Division 4	Adjustment of net contract position.....	392
4A.E.7	Adjustment of net contract position.....	392
Division 5	Contracts and Firmness Guidelines	393
4A.E.8	Contracts and Firmness Guidelines	393
Part F	Compliance with the Retailer Reliability Obligation	394
Division 1	Application	394
4A.F.1	Application	394
Division 2	Key concepts.....	394
4A.F.2	Compliance TI	394
4A.F.3	Share of one-in-two year peak demand forecast.....	394
Division 3	AEMO notifications to AER.....	396
4A.F.4	AEMO notification of compliance trading intervals	396
4A.F.5	AEMO compliance report.....	396
Division 4	AER assessment of compliance.....	396
4A.F.6	Reliability Compliance Procedures and Guidelines	396
4A.F.7	AER assessment.....	397
4A.F.8	AER notification to AEMO for PoLR costs	397
Division 5	Miscellaneous	398
4A.F.9	Demand response information	398
4A.F.10	PoLR cost procedures	398
Part G	Market Liquidity Obligation	398
Division 1	Preliminary.....	398
4A.G.1	Overview of Part G.....	398
4A.G.2	Purpose and application.....	399
Division 2	Market Generators and trading right holders.....	399
4A.G.3	Market Generators and generator capacity	399
4A.G.4	Trading rights and trading right holders	399
Division 3	Trading groups.....	400
4A.G.5	Trading group	400
4A.G.6	Controlling entity.....	400
Division 4	Traced capacity and trading group capacity	402
4A.G.7	Traced capacity	402
4A.G.8	Tracing capacity to trading groups	402
4A.G.9	Trading group capacity	403
Division 5	MLO generators and MLO groups.....	403
4A.G.10	MLO group	403
4A.G.11	MLO generator	403
Division 6	Market Generator information	403
4A.G.12	MLO register	403
4A.G.13	Market Generator information.....	405
4A.G.14	Applications to the AER.....	406
Division 7	Liquidity period	406

4A.G.15 Notices prior to a liquidity period.....406

4A.G.16 Duration of liquidity period407

Division 8 Liquidity obligation407

4A.G.17 Liquidity obligation407

4A.G.18 Performing a liquidity obligation.....407

4A.G.19 Volume limits409

4A.G.20 Appointment of MLO nominee410

4A.G.21 Exemptions410

Division 9 MLO products and MLO exchange411

4A.G.22 MLO products.....411

4A.G.23 MLO exchange412

Division 10 Miscellaneous413

4A.G.24 MLO compliance and reporting.....413

4A.G.25 MLO Guidelines413

Part H Voluntary Book Build.....414

4A.H.1 Purpose and application414

4A.H.2 Book Build Procedures414

4A.H.3 Commencement of voluntary book build415

4A.H.4 Participation in the voluntary book build415

4A.H.5 Book build fees416

4A.H.6 Reporting416

5. Network Connection Access, Planning and Expansion419

Part A Introduction.....419

5.1 Introduction to Chapter 5419

5.1.1 Structure of this Chapter419

5.1.2 Overview of Part B and connection and access under the Rules.....419

Part B Network Connection and Access422

5.1A Introduction to Part B.....422

5.1A.1 Purpose and Application.....422

5.1A.2 Principles424

5.2 Obligations.....425

5.2.1 Obligations of Registered Participants425

5.2.2 Connection agreements.....425

5.2.3 Obligations of network service providers.....426

5.2.3A Obligations of Market Network Service Providers431

5.2.4 Obligations of customers431

5.2.5 Obligations of Generators.....433

5.2.6 Obligations of AEMO.....434

5.2.6A AEMO review of technical requirements for connection.....434

5.2.7 Obligations of Dedicated Connection Asset Service Providers435

5.2A Transmission network connection and access.....436

5.2A.1 Application436

5.2A.2 Relevant assets.....436

5.2A.3 Connection and access to transmission services.....437

5.2A.4	Transmission services related to connection	438
5.2A.5	Publication and provision of information	442
5.2A.6	Negotiating principles.....	442
5.2A.7	Third party IUSAs	443
5.2A.8	Access framework for large dedicated connection assets.....	444
5.3	Establishing or Modifying Connection	446
5.3.1	Process and procedures.....	446
5.3.1A	Application of rule to connection of embedded generating units.....	446
5.3.2	Connection enquiry.....	447
5.3.3	Response to connection enquiry	448
5.3.4	Application for connection	451
5.3.4A	Negotiated access standards	453
5.3.4B	System strength remediation for new connections	456
5.3.5	Preparation of offer to connect	459
5.3.6	Offer to connect.....	460
5.3.7	Finalisation of connection agreements and network operating agreements	463
5.3.8	Provision and use of information.....	465
5.3.9	Procedure to be followed by a Generator proposing to alter a generating system	466
5.3.10	Acceptance of performance standards for generating plant that is altered	468
5.3.11	Notification of request to change normal voltage.....	469
5.3A	Establishing or modifying connection - embedded generation.....	469
5.3A.1	Application of rule 5.3A	469
5.3A.2	Definitions and miscellaneous	470
5.3A.3	Publication of Information.....	470
5.3A.4	Fees	472
5.3A.5	Enquiry	473
5.3A.6	Response to Enquiry	474
5.3A.7	Preliminary Response to Enquiry	474
5.3A.8	Detailed Response to Enquiry	475
5.3A.9	Application for connection	476
5.3A.10	Preparation of offer to connect	476
5.3A.11	Technical Dispute	477
5.3A.12	Network support payments and functions	478
5.3AA	Access arrangements relating to Distribution Networks	478
5.3B	Application for connection to declared shared network	482
5.4	Independent Engineer	482
5.4.1	Application	482
5.4.2	Establishment of a pool	483
5.4.3	Initiating the Independent Engineer process.....	483
5.4.4	Referral to the Adviser.....	484
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].....	485

5.5	Commercial arbitration for prescribed and negotiated transmission services and large DCA services	485
5.5.1	Application	485
5.5.2	Notification of dispute	486
5.5.3	Appointment of commercial arbitrator	486
5.5.4	Procedures of commercial arbitrator.....	487
5.5.5	Powers of commercial arbitrator in determining disputes	488
5.5.6	Determination of disputes	489
5.5.7	Costs of dispute.....	490
5.5.8	Enforcement of agreement or determination and requirement for reasons	490
5.5.9	Miscellaneous	490
5.5A	[Deleted].....	491
Part C	Post-Connection Agreement matters	491
5.6	Design of Connected Equipment	491
5.6.1	Application	491
5.6.2	Advice of inconsistencies	491
5.6.3	Additional information	492
5.6.4	Advice on possible non-compliance	492
5.6A	[Deleted].....	492
5.7	Inspection and Testing	492
5.7.1	Right of entry and inspection.....	492
5.7.2	Right of testing	494
5.7.3	Tests to demonstrate compliance with connection requirements for generators.....	495
5.7.3A	Tests to demonstrate compliance with system strength remediation schemes.....	497
5.7.4	Routine testing of protection equipment.....	498
5.7.5	Testing by Registered Participants of their own plant requiring changes to normal operation	499
5.7.6	Tests of generating units requiring changes to normal operation.....	501
5.7.7	Inter-network power system tests	502
5.7.8	Contestable IUSA components.....	509
5.8	Commissioning	509
5.8.1	Requirement to inspect and test equipment	509
5.8.2	Co-ordination during commissioning	509
5.8.3	Control and protection settings for equipment	510
5.8.4	Commissioning program	510
5.8.5	Commissioning tests	511
5.9	Disconnection and Reconnection.....	512
5.9.1	Voluntary disconnection.....	512
5.9.2	Decommissioning procedures.....	512
5.9.3	Involuntary disconnection	513
5.9.4	Direction to disconnect.....	513
5.9.4A	Notification of disconnection	514
5.9.5	Disconnection during an emergency	514
5.9.6	Obligation to reconnect.....	515

- Part D Network Planning and Expansion.....516**
- 5.10 Network development generally516**
- 5.10.1 Content of Part D516
- 5.10.2 Definitions517
- 5.10.3 Interpretation.....520
- 5.11 Forecasts of connection to transmission network and
identification of system limitations.....520**
- 5.11.1 Forecasts for connection to transmission network.....520
- 5.11.2 Identification of network limitations521
- 5.12 Transmission annual planning process.....521**
- 5.12.1 Transmission annual planning review521
- 5.12.2 Transmission Annual Planning Report.....522
- 5.13 Distribution annual planning process.....526**
- 5.13.1 Distribution annual planning review526
- 5.13.2 Distribution Annual Planning Report528
- 5.13.3 Distribution system limitation template.....528
- 5.13A Distribution zone substation information.....529**
- 5.14 Joint planning.....532**
- 5.14.1 Joint planning obligations of Transmission Network Service
Providers and Distribution Network Service Providers.....532
- 5.14.2 Joint planning obligations of Distribution Network Service
Providers and Distribution Network Service Providers.....533
- 5.14.3 Joint planning obligations of Transmission Network Service
Providers533
- 5.14A Joint planning in relation to retirement or de-ratings of
network assets forming part of the Declared Shared Network534**
- 5.14B TAPR Guidelines534**
- 5.14B.1 Development of TAPR Guidelines534
- 5.15 Regulatory investment tests generally534**
- 5.15.1 Interested parties534
- 5.15.2 Identification of a credible option.....534
- 5.15.3 Review of costs thresholds535
- 5.15.4 Costs determinations.....537
- 5.16 Regulatory investment test for transmission.....538**
- 5.16.1 Principles538
- 5.16.2 Regulatory investment test for transmission application guidelines540
- 5.16.3 Investments subject to the regulatory investment test for
transmission542
- 5.16.4 Regulatory investment test for transmission procedures544
- 5.16.5 Disputes in relation to application of regulatory investment test for
transmission550
- 5.16.6 Determination that preferred option satisfies the regulatory
investment test for transmission552
- 5.17 Regulatory investment test for distribution553**
- 5.17.1 Principles553

5.17.2	Regulatory investment test for distribution application guidelines	555
5.17.3	Projects subject to the regulatory investment test for distribution	556
5.17.4	Regulatory investment test for distribution procedures	558
5.17.5	Disputes in relation to application of regulatory investment test for distribution	562
5.18	Construction of funded augmentations	564
5.18A	Large generator connections	565
5.18A.1	Definitions	565
5.18A.2	Register of large generator connections	565
5.18A.3	Impact assessment of large generator connections	566
5.18B	Completed embedded generation projects	567
5.18B.1	Definitions	567
5.18B.2	Register of completed embedded generation projects	567
5.19	SENE Design and Costing Study	568
5.19.1	Definitions	568
5.19.2	Interpretation	569
5.19.3	Request for SENE Design and Costing Study	569
5.19.4	Content of SENE Design and Costing Study	570
5.19.5	Co-operation of other Network Service Providers	571
5.19.6	Publication of SENE Design and Costing Study report	571
5.19.7	Provision and use of information	571
5.20	National transmission planning	572
5.20.1	Preliminary consultation	572
5.20.2	Publication of NTNDP	573
5.20.3	Development strategies for national transmission flow paths	575
5.20.4	NTNDP database	576
5.20.5	Jurisdictional planning bodies and jurisdictional planning representatives	577
5.20.6	NTP Functions	577
5.20.7	Inertia and system strength requirements methodologies	577
5.20A	Frequency management planning	578
5.20A.1	Power system frequency risk review	578
5.20A.2	Power system frequency risk review process	579
5.20A.3	Power system frequency risk review report	580
5.20A.4	Request for protected event declaration	580
5.20A.5	Request to revoke a protected event declaration	581
5.20B	Inertia sub-networks and requirements	581
5.20B.1	Boundaries of inertia sub-networks	581
5.20B.2	Inertia requirements	582
5.20B.3	Inertia shortfalls	582
5.20B.4	Inertia Service Provider to make available inertia services	583
5.20B.5	Inertia support activities	585
5.20B.6	Inertia network services information and approvals	587
5.20C	System strength requirements	588
5.20C.1	System strength requirements	588
5.20C.2	Fault level shortfalls	589

5.20C.3 System Strength Service Provider to make available system strength services.....590

5.20C.4 System strength services information and approvals.....591

5.21 AEMO's obligation to publish information and guidelines and provide advice593

5.22 Last resort planning power595

Schedule 5.1a System standards598

S5.1a.1 Purpose598

S5.1a.2 Frequency598

S5.1a.3 System stability.....598

S5.1a.4 Power frequency voltage599

S5.1a.5 Voltage fluctuations.....599

S5.1a.6 Voltage waveform distortion600

S5.1a.7 Voltage unbalance600

S5.1a.8 Fault clearance times601

Schedule 5.1 Network Performance Requirements to be Provided or Co-ordinated by Network Service Providers602

S5.1.1 Introduction.....602

S5.1.2 Network reliability.....603

S5.1.2.1 Credible contingency events.....603

S5.1.2.2 Network service within a region.....604

S5.1.2.3 Network service between regions.....605

S5.1.3 Frequency variations.....605

S5.1.4 Magnitude of power frequency voltage.....606

S5.1.5 Voltage fluctuations.....607

S5.1.6 Voltage harmonic or voltage notching distortion608

S5.1.7 Voltage unbalance609

S5.1.8 Stability.....609

S5.1.9 Protection systems and fault clearance times611

S5.1.10 Load, generation and network control facilities613

S5.1.10.1 General.....613

S5.1.10.1a Emergency frequency control schemes614

S5.1.10.2 Distribution Network Service Providers.....615

S5.1.10.3 Transmission Network Service Providers616

S5.1.11 Automatic reclosure of transmission or distribution lines.....616

S5.1.12 Rating of transmission lines and equipment.....616

S5.1.13 Information to be provided617

Schedule 5.2 Conditions for Connection of Generators617

S5.2.1 Outline of requirements617

S5.2.2 Application of Settings618

S5.2.3 Technical matters to be coordinated619

S5.2.4 Provision of information.....619

S5.2.5 Technical requirements.....622

S5.2.5.1 Reactive power capability.....622

S5.2.5.2 Quality of electricity generated.....623

S5.2.5.3 Generating system response to frequency disturbances624

S5.2.5.4 Generating system response to voltage disturbances.....627

S5.2.5.5	Generating system response to disturbances following contingency events	629
S5.2.5.6	Quality of electricity generated and continuous uninterrupted operation	637
S5.2.5.7	Partial load rejection	637
S5.2.5.8	Protection of generating systems from power system disturbances	638
S5.2.5.9	Protection systems that impact on power system security	639
S5.2.5.10	Protection to trip plant for unstable operation	641
S5.2.5.11	Frequency control	642
S5.2.5.12	Impact on network capability	644
S5.2.5.13	Voltage and reactive power control	646
S5.2.5.14	Active power control	652
S5.2.6	Monitoring and control requirements	654
S5.2.6.1	Remote Monitoring.....	654
S5.2.6.2	Communications equipment	656
S5.2.7	Power station auxiliary supplies	657
S5.2.8	Fault current.....	657
Schedule 5.3	Conditions for Connection of Customers	659
S5.3.1a	Introduction to the schedule.....	659
S5.3.1	Information	660
S5.3.2	Design standards	661
S5.3.3	Protection systems and settings	662
S5.3.4	Settings of protection and control systems	663
S5.3.5	Power factor requirements	664
S5.3.6	Balancing of load currents	665
S5.3.7	Voltage fluctuations.....	665
S5.3.8	Harmonics and voltage notching	665
S5.3.9	Design requirements for Network Users' substations.....	666
S5.3.10	Load shedding facilities	666
Schedule 5.3a	Conditions for connection of Market Network Services	667
S5.3a.1a	Introduction to the schedule.....	667
S5.3a.1	Provision of Information.....	668
S5.3a.2	Application of settings	669
S5.3a.3	Technical matters to be co-ordinated.....	670
S5.3a.4	Monitoring and control requirements	671
S5.3a.4.1	Remote Monitoring.....	671
S5.3a.4.2	[Deleted]	671
S5.3a.4.3	Communications equipment	671
S5.3a.5	Design standards	672
S5.3a.6	Protection systems and settings	672
S5.3a.7	[Deleted]	674
S5.3a.8	Reactive power capability.....	674
S5.3a.9	Balancing of load currents	674
S5.3a.10	Voltage fluctuations.....	675
S5.3a.11	Harmonics and voltage notching	675
S5.3a.12	Design requirements for Market Network Service Providers' substations.....	675
S5.3a.13	Market network service response to disturbances in the power system	676

S5.3a.14	Protection of market network services from power system disturbances	676
Schedule 5.4	Information to be Provided with Preliminary Enquiry	677
Schedule 5.4A	Preliminary Response.....	678
Schedule 5.4B	Detailed Response to Enquiry.....	680
Schedule 5.5	Technical Details to Support Application for Connection and Connection Agreement.....	682
S5.5.1	Introduction to the schedule.....	682
S5.5.2	Categories of data	682
S5.5.3	Review, change and supply of data	683
S5.5.4	Data Requirements.....	683
S5.5.5	Asynchronous generating unit data	684
S5.5.6	Generating units smaller than 30MW data	684
S5.5.7	Power System Design Data Sheet, Power System Setting Data Sheet and Power System Model Guidelines	684
Schedule 5.5.1	[Deleted]	687
Schedule 5.5.2	[Deleted]	687
Schedule 5.5.3	Network and plant technical data of equipment at or near connection point.....	687
Schedule 5.5.4	Network Plant and Apparatus Setting Data	690
Schedule 5.5.5	Load Characteristics at Connection Point.....	692
Schedule 5.6	Terms and Conditions of Connection agreements and network operating agreements	693
Part A	Connection agreements	693
Part B	Network Operating Agreements	695
Schedule 5.7	Annual Forecast Information for Planning Purposes	695
Schedule 5.8	Distribution Annual Planning Report	697
Schedule 5.9	Demand side engagement document (clause 5.13.1(h)).....	703
Schedule 5.10	Information requirements for Primary Transmission Network Service Providers (clause 5.2A.5)	704
Schedule 5.11	Negotiating principles for negotiated transmission services (clause 5.2A.6)	708
Schedule 5.12	Negotiating principles for large DCA services.....	709
5A.	Electricity connection for retail customers	713
Part A	Preliminary.....	713
5A.A.1	Definitions	713
5A.A.2	Application of this Chapter.....	716
5A.A.3	Small Generation Aggregator deemed to be agent of a retail customer.....	716
Part B	Standardised offers to provide basic and standard connection services	717
Division 1	Basic connection services	717

5A.B.1	Obligation to have model standing offer to provide basic connection services	717
5A.B.2	Proposed model standing offer for basic connection services	717
5A.B.3	Approval of terms and conditions of model standing offer to provide basic connection services	718
Division 2	Standard connection services.....	719
5A.B.4	Standard connection services	719
5A.B.5	Approval of model standing offer to provide standard connection services	720
Division 3	Miscellaneous	720
5A.B.6	Amendment etc of model standing offer	720
5A.B.7	Publication of model standing offers	721
Part C	Negotiated connection	721
5A.C.1	Negotiation of connection.....	721
5A.C.2	Process of negotiation.....	722
5A.C.3	Negotiation framework.....	722
5A.C.4	Fee to cover cost of negotiation.....	724
Part D	Application for connection service	724
Division 1	Information	724
5A.D.1	Publication of information	724
5A.D.1A	Register of completed embedded generation projects	725
Division 2	Preliminary enquiry	726
5A.D.2	Preliminary enquiry	726
Division 3	Applications.....	727
5A.D.3	Application process	727
5A.D.4	Site inspection.....	728
Part E	Connection charges.....	728
5A.E.1	Connection charge principles	728
5A.E.2	Itemised statement of connection charges	729
5A.E.3	Connection charge guidelines.....	730
5A.E.4	Payment of connection charges	731
Part F	Formation and integration of connection contracts	732
Division 1	Offer and acceptance – basic and standard connection services.....	732
5A.F.1	Distribution Network Service Provider's response to application	732
5A.F.2	Acceptance of connection offer	732
5A.F.3	Offer and acceptance—application for expedited connection.....	733
Division 2	Offer and acceptance – negotiated connection.....	733
5A.F.4	Negotiated connection offer	733
Division 3	Formation of contract.....	734
5A.F.5	Acceptance of connection offer	734
Division 4	Contractual performance.....	734
5A.F.6	Carrying out connection work	734
5A.F.7	Retailer required for energisation where new connection	734

Part G	Dispute resolution between Distribution Network Service Providers and customers	735
5A.G.1	Relevant disputes	735
5A.G.2	Determination of dispute	735
5A.G.3	Termination of proceedings	735
SCHEDULE 5A.1 – Minimum content requirements for connection contract		736
Part A	Connection offer not involving embedded generation	736
Part B	Connection offer involving embedded generation	737
6.	Economic Regulation of Distribution Services	741
Part A	Introduction.....	741
6.1	Introduction to Chapter 6.....	741
6.1.1	AER's regulatory responsibility	741
6.1.1A	[Deleted]	741
6.1.2	Structure of this Chapter	741
6.1.3	Access to direct control services and negotiated distribution services	742
6.1.4	Prohibition of DUOS charges for the export of energy	742
Part B	Classification of Distribution Services and Distribution Determinations.....	742
6.2	Classification	742
6.2.1	Classification of distribution services.....	742
6.2.2	Classification of direct control services as standard control services or alternative control services	743
6.2.3	Term for which classification operates	744
6.2.3A	Distribution Service Classification Guidelines	744
6.2.4	Duty of AER to make distribution determinations	745
6.2.5	Control mechanisms for direct control services	745
6.2.6	Basis of control mechanisms for direct control services	746
6.2.7	Negotiated distribution services	746
6.2.8	Guidelines	746
Part C	Building Block Determinations for standard control services	747
6.3	Building block determinations.....	747
6.3.1	Introduction.....	747
6.3.2	Contents of building block determination	747
6.4	Post-tax revenue model	748
6.4.1	Preparation, publication and amendment of post-tax revenue model.....	748
6.4.2	Contents of post-tax revenue model	748
6.4.3	Building block approach.....	748
6.4.4	Shared assets	750
6.4.5	Expenditure Forecast Assessment Guidelines	751
6.4A	Capital expenditure incentive mechanisms	751
6.4B	Asset exemptions.....	752
6.4B.1	Asset exemption decisions and Asset Exemption Guidelines	752
6.4B.2	Exemption applications	753

6.5	Matters relevant to the making of building block determinations.....	753
6.5.1	Regulatory asset base.....	753
6.5.2	Return on capital.....	754
6.5.3	Estimated cost of corporate income tax.....	755
6.5.4	[Deleted].....	755
6.5.5	Depreciation.....	755
6.5.6	Forecast operating expenditure.....	756
6.5.7	Forecast capital expenditure.....	758
6.5.8	Efficiency benefit sharing scheme.....	762
6.5.8A	Capital expenditure sharing scheme.....	763
6.5.9	The X factor.....	764
6.5.10	Pass through events.....	765
6.6	Adjustments after making of building block determination.	765
6.6.1	Cost pass through.....	765
6.6.1A	Reporting on jurisdictional schemes.....	772
6.6.2	Service target performance incentive scheme.....	773
6.6.3	Demand management incentive scheme.....	774
6.6.3A	Demand management innovation allowance mechanism.....	775
6.6.4	Small-scale incentive scheme.....	776
6.6.5	Reopening of distribution determination for capital expenditure.....	777
6.6A	Contingent Projects	780
6.6A.1	Acceptance of a contingent project in a distribution determination.....	780
6.6A.2	Amendment of distribution determination for contingent project.....	782
Part D	Negotiated distribution services	787
6.7	Negotiated distribution services	787
6.7.1	Principles relating to access to negotiated distribution services.....	787
6.7.2	Determination of terms and conditions of access for negotiated distribution services.....	788
6.7.3	Negotiating framework determination.....	789
6.7.4	Negotiated Distribution Service Criteria determination.....	789
6.7.5	Preparation of and requirements for negotiating framework for negotiated distribution services.....	790
6.7.6	Confidential information.....	792
Part DA	Connection policies	792
6.7A	Connection policy requirements.....	792
6.7A.1	Preparation of, and requirements for, connection policy.....	792
Part E	Regulatory proposal and proposed tariff structure statement.....	793
6.8	Regulatory proposal and proposed tariff structure statement.....	793
6.8.1	AER's framework and approach paper.....	793
6.8.1A	Notification of approach to forecasting expenditure.....	795
6.8.2	Submission of regulatory proposal, tariff structure statement and exemption application.....	796
6.9	Preliminary examination and consultation	798
6.9.1	Preliminary examination.....	798
6.9.2	Resubmission of proposal.....	798

6.9.2A	Confidential information	798
6.9.3	Consultation	799
6.10	Draft distribution determination and further consultation.....	800
6.10.1	Making of draft distribution determination	800
6.10.2	Publication of draft determination and consultation.....	800
6.10.3	Submission of revised proposal	801
6.10.4	Submissions on specified matters	801
6.11	Distribution determination	802
6.11.1	Making of distribution determination	802
6.11.1A	Out of scope revised regulatory proposal or late submissions	802
6.11.2	Notice of distribution determination.....	803
6.11.3	Commencement of distribution determination	803
6.12	Requirements relating to draft and final distribution determinations.....	803
6.12.1	Constituent decisions	803
6.12.2	Reasons for decisions	807
6.12.3	Extent of AER's discretion in making distribution determinations	807
6.13	Revocation and substitution of distribution determination for wrong information or error	809
6.14	Miscellaneous	809
6.14A	Distribution Confidentiality Guidelines	810
Part F	Cost Allocation	810
6.15	Cost allocation	810
6.15.1	Duty to comply with Cost Allocation Method	810
6.15.2	Cost Allocation Principles	810
6.15.3	Cost Allocation Guidelines.....	811
6.15.4	Cost Allocation Method.....	812
Part G	Distribution consultation procedures	813
6.16	Distribution consultation procedures	813
Part H	Ring-Fencing Arrangements for Distribution Network Service Providers.....	814
6.17	Distribution Ring-Fencing Guidelines	814
6.17.1	Compliance with Distribution Ring-Fencing Guidelines	814
6.17.2	Development of Distribution Ring-Fencing Guidelines.....	814
Part I	Distribution Pricing Rules	815
6.18	Distribution Pricing Rules	815
6.18.1	Application of this Part.....	815
6.18.1A	Tariff structure statement.....	815
6.18.1B	Amending a tariff structure statement with the AER's approval	816
6.18.1C	Sub-threshold tariffs	817
6.18.2	Pricing proposals	818
6.18.3	Tariff classes	820

6.18.4 Principles governing assignment or re-assignment of retail customers to tariff classes and assessment and review of basis of charging820

6.18.5 Pricing principles821

6.18.6 Side constraints on tariffs for standard control services822

6.18.7 Recovery of designated pricing proposal charges823

6.18.7A Recovery of jurisdictional scheme amounts824

6.18.8 Approval of pricing proposal827

6.18.9 Publication of information about tariffs and tariff classes828

6.19. Data Required for Distribution Service Pricing829

6.19.1 Forecast use of networks by Distribution Customers and Embedded Generators829

6.19.2 Confidentiality of distribution network pricing information829

Part J Billing and Settlements829

6.20 Billing and Settlements Process829

6.20.1 Billing for distribution services829

6.20.2 Minimum information to be provided in distribution network service bills831

6.20.3 Settlement between Distribution Network Service Providers831

6.20.4 Obligation to pay831

Part K Prudential requirements, capital contributions and prepayments832

6.21 Distribution Network Service Provider Prudential Requirements832

6.21.1 Prudential requirements for distribution network service832

6.21.2 Capital contributions, prepayments and financial guarantees833

6.21.3 Treatment of past prepayments and capital contributions833

Part L Dispute resolution833

6.22 Dispute Resolution833

6.22.1 Dispute Resolution by the AER833

6.22.2 Determination of dispute834

6.22.3 Termination of access dispute without access determination835

Part M Separate disclosure of transmission and distribution charges835

6.23 Separate disclosure of transmission and distribution charges835

Part N Dual Function Assets836

6.24 Dual Function Assets836

6.24.1 Application of this Part836

6.24.2 Dual Function Assets836

6.25 AER determination of applicable pricing regime for Dual Function Assets837

6.26 Division of Distribution Network Service Provider's revenue838

Part O Annual Benchmarking Report839

6.27 Annual Benchmarking Report839

Part P	Distribution Reliability Measures Guidelines	839
6.28	Distribution Reliability Measures Guidelines	839
Schedule 6.1	Contents of building block proposals.....	840
S6.1.1	Information and matters relating to capital expenditure	840
S6.1.2	Information and matters relating to operating expenditure	840
S6.1.3	Additional information and matters	841
Schedule 6.2	Regulatory Asset Base	844
S6.2.1	Establishment of opening regulatory asset base for a regulatory control period.....	844
S6.2.2	Prudency and efficiency of capital expenditure.....	848
S6.2.2A	Reduction for inefficient past capital expenditure.....	849
S6.2.2B	Depreciation.....	851
S6.2.3	Roll forward of regulatory asset base within the same regulatory control period.....	851
6A.	Economic Regulation of Transmission Services.....	855
Part A	Introduction.....	855
6A.1	Introduction to Chapter 6A	855
6A.1.1	Economic regulation of transmission services generally.....	855
6A.1.2	[Deleted]	856
6A.1.3	[Deleted]	856
6A.1.4	National regulatory arrangements.....	856
6A.1.5	Application of Chapter 6A to Market Network Service Providers.....	856
6A.1.6	Application of Chapter 6A to AEMO and declared transmission system operators	856
Part B	Transmission Determinations Generally	857
6A.2	Transmission determinations	857
6A.2.1	Duty of AER to make transmission determinations	857
6A.2.2	Components of transmission determinations	857
6A.2.3	Guidelines	857
Part C	Regulation of Revenue - Prescribed Transmission Services.....	858
6A.3	Allowed revenue from prescribed transmission services	858
6A.3.1	Allowed revenue for regulatory year	858
6A.3.2	Adjustment of maximum allowed revenue	858
6A.4	Revenue determinations	858
6A.4.1	Introduction.....	858
6A.4.2	Contents of revenue determination	858
6A.5	Post-tax revenue model	859
6A.5.1	Introduction.....	859
6A.5.2	Preparation, publication and amendment of post-tax revenue model.....	860
6A.5.3	Contents of post-tax revenue model	860
6A.5.4	Building blocks approach	861
6A.5.5	Shared assets.....	862
6A.5.6	Expenditure Forecast Assessment Guidelines	863
6A.5A	Capital expenditure incentive mechanisms	863

6A.6	Matters relevant to the making of revenue determinations.....	864
6A.6.1	Regulatory asset base.....	864
6A.6.2	Return on capital.....	865
6A.6.3	Depreciation.....	865
6A.6.4	Estimated cost of corporate income tax.....	866
6A.6.5	Efficiency benefit sharing scheme.....	867
6A.6.5A	Capital expenditure sharing scheme.....	868
6A.6.6	Forecast operating expenditure.....	869
6A.6.7	Forecast capital expenditure.....	871
6A.6.8	The X factor.....	875
6A.6.9	Pass through events.....	876
6A.7	Matters relevant to the adjustment of revenue cap after making of revenue determination	876
6A.7.1	Reopening of revenue determination for capital expenditure.....	876
6A.7.2	Network support pass through.....	879
6A.7.3	Cost pass through.....	880
6A.7.4	Service target performance incentive scheme.....	886
6A.7.5	Small-scale incentive scheme.....	887
6A.8	Contingent Projects	888
6A.8.1	Acceptance of a Contingent Project in a revenue determination.....	888
6A.8.2	Amendment of revenue determination for contingent project.....	889
Part D	[Deleted].....	894
Part E	Procedure - Revenue determinations and pricing methodologies.....	894
6A.10	Revenue Proposal and proposed pricing methodology	894
6A.10.1A	AER's framework and approach paper.....	894
6A.10.1B	Notification of approach to forecasting expenditure.....	896
6A.10.1	Submission of proposal, pricing methodology and information.....	896
6A.10.2	[Deleted].....	897
6A.11	Preliminary examination and consultation	897
6A.11.1	Preliminary examination and determination of non-compliance with relevant requirements.....	897
6A.11.2	Resubmission of proposal, framework, pricing methodology or information.....	898
6A.11.2A	Confidential information.....	898
6A.11.3	Consultation.....	899
6A.12	Draft decision and further consultation	899
6A.12.1	Making of draft decision.....	899
6A.12.2	Publication of draft decision and consultation.....	900
6A.12.3	Submission of revised proposal or pricing methodology.....	900
6A.12.4	Submissions on specified matters.....	902
6A.13	Final decision.....	902
6A.13.1	Making of final decision.....	902
6A.13.2	Refusal to approve amounts, values, framework or pricing methodology.....	902
6A.13.2A	Out of scope revised documents or late submissions.....	903
6A.13.3	Notice of final decision.....	904

6A.13.4 Making of transmission determination904

6A.14 Requirements relating to draft and final decisions904

6A.14.1 Contents of decisions904

6A.14.2 Reasons for decisions906

6A.14.3 Circumstances in which matters must be approved or accepted906

6A.15 Revocation of revenue determination or amendment of pricing methodology for wrong information or error909

6A.16 Miscellaneous909

6A.16A Transmission Confidentiality Guidelines910

Part F Information Disclosure.....910

6A.17 Information disclosure by Transmission Network Service Providers.....910

6A.17.1 Information to be provided to AER910

6A.17.2 Information Guidelines911

6A.18 [Deleted].....913

Part G Cost Allocation913

6A.19 Cost allocation913

6A.19.1 Duty to comply with Cost Allocation Methodology913

6A.19.2 Cost Allocation Principles913

6A.19.3 Cost Allocation Guidelines.....914

6A.19.4 Cost Allocation Methodology.....914

Part H Transmission Consultation Procedures915

6A.20 Transmission consultation procedures915

Part I Ring-Fencing Arrangements for Transmission Network Service Providers.....917

6A.21 Transmission Ring-Fencing Guidelines917

6A.21.1 Compliance with Transmission Ring-Fencing Guidelines917

6A.21.2 Development of Transmission Ring-Fencing Guidelines.....917

Part J Prescribed Transmission Services - Regulation of Pricing918

6A.22 Terms used in Part J.....918

6A.22.1 Aggregate annual revenue requirement (AARR)918

6A.22.2 Annual service revenue requirement (ASRR)919

6A.22.3 Meaning of attributable cost share.....919

6A.22.4 Meaning of attributable connection point cost share919

6A.23 Pricing Principles for Prescribed Transmission Services919

6A.23.1 Introduction.....919

6A.23.2 Principles for the allocation of the aggregate annual revenue requirement.....920

6A.23.3 Principles for the allocation of the annual service revenue requirement to connection points.....920

6A.23.4 Principles for the recovery of the Annual Service Revenue Requirement as prices.....923

6A.24 Pricing methodology924

6A.24.1	Pricing methodologies generally	924
6A.24.2	Publication of pricing methodology and transmission network prices	926
6A.24.3	Basis for setting prices pending approval of pricing methodology	926
6A.24.4	Basis for setting prices pending approval of maximum allowed revenue	927
6A.25	Pricing methodology guidelines for prescribed transmission services	927
6A.25.1	Making and amending of pricing methodology guidelines	927
6A.25.2	Contents of pricing methodology guidelines	928
6A.26	Prudent discounts	929
6A.26.1	Agreements for prudent discounts for prescribed transmission services	929
6A.26.2	Application to AER for approval of proposed prudent discount amounts	930
6A.27	Billing Process	932
6A.27.1	Billing for prescribed transmission services	932
6A.27.1A	Billing of modified load export charges	932
6A.27.2	Minimum information to be provided in network service bills	932
6A.27.3	Obligation to pay charges for prescribed transmission services	933
6A.27.4	Payments between Transmission Network Service Providers in the same region	933
6A.27.5	Calculation of financial transfers between Transmission Network Service Providers in the same region	933
6A.28	Prudential Requirements	933
6A.28.1	Prudential Requirements for prescribed transmission services	934
6A.28.2	Capital contribution or prepayment for a specific asset	934
6A.28.3	Treatment of past capital contributions	934
6A.29	Multiple Transmission Network Service Providers	934
6A.29.1	Multiple Transmission Network Service Providers within a region	934
6A.29.2	Single Transmission Network Service Provider within a region	935
6A.29.3	Allocation over several regions	935
6A.29A	Modified load export charges	935
6A.29A.1	Single Transmission Network Service Provider in a Region	936
6A.29A.2	Calculation of the modified load export charges	936
6A.29A.3	Calculation of adjustments to the modified load export charge	936
6A.29A.4	Billing the modified load export charge	937
6A.29A.5	Allocation and billing process where multiple Transmission Network Service Providers in a Region	937
Part K	Commercial arbitration for disputes about terms and conditions of access for prescribed and negotiated transmission services	938
[Deleted]	938	
Part L	Annual Benchmarking Report	938
6A.31	Annual Benchmarking Report	938

Schedule 6A.1	Contents of Revenue Proposals	938
S6A.1.1	Information and matters relating to capital expenditure	938
S6A.1.2	Information and matters relating to operating expenditure	939
S6A.1.3	Additional information and matters	940
Schedule 6A.2	Regulatory Asset Base	942
S6A.2.1	Establishment of opening regulatory asset base for a regulatory control period	942
S6A.2.2	Prudency and efficiency of capital expenditure	947
S6A.2.2A	Reduction for inefficient past capital expenditure	947
S6A.2.2B	Depreciation	949
S6A.2.3	Removal of assets from regulatory asset base	950
S6A.2.4	Roll forward of regulatory asset base within the same regulatory control period	951
Schedule 6A.3	CRNP methodology and modified CRNP methodology	952
S6A.3.1	Meaning of optimised replacement cost	952
S6A.3.2	CRNP methodology	952
S6A.3.3	Modified CRNP methodology	953
Schedule 6A.4	Application of this Chapter to AEMO and declared transmission system operators	953
S6A.4.1	Application of this Chapter to AEMO etc	953
S6A.4.2	Exclusions, qualifications and modifications	953
6B.	Retail markets	963
Part A	Retail support	963
Division 1	Application and definitions	963
6B.A1.1	Application of this Part	963
6B.A1.2	Definitions	963
Division 2	Billing and payment rules	963
6B.A2.1	Obligation to pay	963
6B.A2.2	Direct customer billing and energy-only contracts	964
6B.A2.3	Calculating network charges	964
6B.A2.4	Statement of charges	964
6B.A2.5	Time and manner of payment	965
Division 3	Matters incidental to billing and payment	965
6B.A3.1	Adjustment of network charges	965
6B.A3.2	Tariff reassignment	965
6B.A3.3	Disputed statements of charges	966
6B.A3.4	Interest	967
6B.A3.5	Notification of changes to charges	967
Part B	Credit support required for late payment	968
Division 1	Application and definitions	968
6B.B1.1	Application of Part B	968
6B.B1.2	Definitions	968
Division 2	Requirements for credit support	968

6B.B2.1 Distribution Network Service Provider may require credit support in limited circumstances968

Division 3 Provision of credit support by retailers969

6B.B3.1 Retailer to provide credit support969

6B.B3.2 Acceptable form of credit support969

Division 4 Other Rules relating to credit support.....970

6B.B4.1 Application of credit support970

6B.B4.2 Return of credit support970

6B.B4.3 Other retailer obligations970

Schedule 6B.1 Prescribed form of unconditional undertaking for credit support.....970

7. Metering975

Part A Introduction.....975

7.1 Introduction to the Metering Chapter975

7.1.1 Contents975

Part B Roles and Responsibilities975

7.2 Role and Responsibility of financially responsible Market Participant.....975

7.2.1 Obligations of financially responsible Market Participants to establish metering installations975

7.2.2 [Not used]976

7.2.3 Agreements with Local Network Service Provider976

7.2.4 [Not used]976

7.2.5 Agreements with Metering Provider976

7.3 Role and Responsibility of Metering Coordinator976

7.3.1 Responsibility of the Metering Coordinator976

7.3.2 Role of the Metering Coordinator.....977

7.4 Qualification and Registration of Metering Providers, Metering Data Providers and Embedded Network Managers.....980

7.4.1 Qualifications and registration of Metering Providers980

7.4.2 Qualifications and registration of Metering Data Providers981

7.4.2A Qualifications and registration of Embedded Network Managers.....981

7.4.2B List of Embedded Network Managers982

7.4.3 Nature of appointment of Metering Provider or Metering Data Provider.....982

7.4.4 Deregistration of Metering Providers, Metering Data Providers and Embedded Network Managers982

7.5 Role and Responsibility of AEMO984

7.5.1 Responsibility of AEMO for the collection, processing and delivery of metering data984

7.5.2 AEMO's costs in connection with metering installation985

7.5A Role and Responsibility of Embedded Network Managers985

- 7.5A.1 Responsibility of Embedded Network Managers for management services985
- 7.5A.2 EN information985
- Part C Appointment of Metering Coordinator986**
- 7.6 Appointment of Metering Coordinator986**
- 7.6.1 Commercial nature of the Metering Coordinator appointment and service provision986
- 7.6.2 Persons who may appoint Metering Coordinators986
- 7.6.3 Appointment with respect to transmission network connection987
- 7.6.4 Type 7 metering installations987
- 7.7 Metering Coordinator default arrangements988**
- 7.7.1 Obligations of financially responsible Market Participants on Metering Coordinator default event and end of contract term988
- 7.7.2 Notices to be provided by Metering Coordinator989
- 7.7.3 AEMO may issue breach notice989
- Part D Metering installation990**
- 7.8 Metering installation arrangements990**
- 7.8.1 Metering installation requirements990
- 7.8.2 Metering installation components991
- 7.8.3 Small customer metering installations995
- 7.8.4 Type 4A metering installation995
- 7.8.5 Emergency management997
- 7.8.6 Network devices998
- 7.8.7 Metering point1001
- 7.8.8 Metering installation types and accuracy1001
- 7.8.9 Meter churn1002
- 7.8.10 Metering installation malfunctions1002
- 7.8.10A Timeframes for meters to be installed – new connection1004
- 7.8.10B Timeframes for meters to be installed – where a connection service is not required1005
- 7.8.10C Timeframes for meters to be installed – where a connection alteration is required1006
- 7.8.11 Changes to metering equipment, parameters and settings within a metering installation1007
- 7.8.12 Special site or technology related conditions1008
- 7.8.13 Joint metering installations1009
- 7.9 Inspection, Testing and Audit of Metering installations1009**
- 7.9.1 Responsibility for testing1009
- 7.9.2 Actions in event of non-compliance1011
- 7.9.3 Audits of information held in metering installations1012
- 7.9.4 Errors found in metering tests, inspections or audits1012
- 7.9.5 Retention of test records and documents1013
- 7.9.6 Metering installation registration process1014
- Part E Metering Data1014**
- 7.10 Metering Data Services1014**
- 7.10.1 Metering Data Services1014
- 7.10.2 Data management and storage1015

7.10.3	Provision of metering data to certain persons.....	1016
7.10.4	Use of check metering data.....	1016
7.10.5	Periodic energy metering.....	1017
7.10.6	Time settings.....	1018
7.10.7	Metering data performance standards.....	1018
7.11	Metering data and database	1019
7.11.1	Metering database.....	1019
7.11.2	Data validation, substitution and estimation.....	1020
7.11.3	Changes to energy data or to metering data.....	1021
7.12	Register of Metering Information	1021
7.12.1	Metering register.....	1021
7.12.2	Metering register discrepancy.....	1022
7.13	Disclosure of NMI information.....	1022
7.13.1	Application of this Rule.....	1022
7.13.2	NMI and NMI checksum.....	1022
7.13.3	NMI Standing Data.....	1022
7.14	Metering data provision to retail customers	1022
Part F	Security of metering installation and energy data.....	1023
7.15	Security of metering installation and energy data.....	1023
7.15.1	Confidentiality.....	1023
7.15.2	Security of metering installations.....	1024
7.15.3	Security controls for energy data.....	1025
7.15.4	Additional security controls for small customer metering installations.....	1026
7.15.5	Access to data.....	1027
Part G	Procedures.....	1029
7.16	Procedures.....	1029
7.16.1	Obligation to establish, maintain and publish procedures.....	1029
7.16.2	Market Settlement and Transfer Solution Procedures.....	1029
7.16.3	Requirements of the metrology procedure.....	1030
7.16.4	Jurisdictional metrology material in metrology procedure.....	1031
7.16.5	Additional metrology procedure matters.....	1032
7.16.6	Requirements of the service level procedures.....	1033
7.16.6A	Requirements of the ENM service level procedures.....	1034
7.16.6B	Guide to embedded networks.....	1035
7.16.7	Amendment of procedures in the Metering Chapter.....	1036
7.16.8	National Measurement Act.....	1037
Part H	B2B Requirements	1037
7.17	B2B Arrangements	1037
7.17.1	B2B e-Hub.....	1037
7.17.2	B2B e-Hub Participants.....	1038
7.17.3	Content of the B2B Procedures.....	1038
7.17.4	Changing B2B Procedures.....	1039
7.17.5	B2B Decision.....	1041
7.17.6	Establishment of Information Exchange Committee.....	1042
7.17.7	Functions and powers of Information Exchange Committee.....	1043

7.17.8	Obligations of Members	1044
7.17.9	Meetings of Information Exchange Committee	1045
7.17.10	Nomination, election and appointment of Members	1045
7.17.11	Qualifications of Members	1046
7.17.12	Information Exchange Committee Election Procedures and Information Exchange Committee Operating Manual.....	1047
7.17.13	Cost Recovery.....	1048
Schedule 7.1	Metering register	1048
S7.1.1	General.....	1048
S7.1.2	Metering register information.....	1048
Schedule 7.2	Metering Provider	1050
S7.2.1	General.....	1050
S7.2.2	Categories of registration.....	1050
S7.2.3	Capabilities of Metering Providers for metering installations types 1, 2, 3, 4 and 4A.....	1052
S7.2.4	Capabilities of Metering Providers for metering installations types 5 and 6.....	1054
S7.2.5	Capabilities of Metering Providers for small customer metering installations	1054
S7.2.6	Capabilities of the Accredited Service Provider category	1054
Schedule 7.3	Metering Data Provider	1055
S7.3.1	General.....	1055
S7.3.2	Categories of registration.....	1055
S7.3.3	Capabilities of Metering Data Providers	1055
S7.3.4	Capabilities of Metering Data Providers for small customer metering installations.....	1057
Schedule 7.4	Types and Accuracy of Metering installations.....	1057
S7.4.1	General requirements.....	1057
S7.4.2	Metering installations commissioned prior to 13 December 1998	1057
S7.4.3	Accuracy requirements for metering installations	1058
S7.4.4	Check metering.....	1064
S7.4.5	Resolution and accuracy of displayed or captured data.....	1064
S7.4.6	General design standards	1065
S7.4.6.1	Design requirements	1065
S7.4.6.2	Design guidelines.....	1066
Schedule 7.5	Requirements of minimum services specification.....	1066
S7.5.1	Minimum services specification	1066
Schedule 7.6	Inspection and Testing Requirements	1069
S7.6.1	General.....	1069
S7.6.2	Technical Guidelines	1071
Schedule 7.7	Embedded Network Managers	1072
S7.7.1	General.....	1072
S7.7.2	Capabilities of Embedded Network Managers	1072
8.	Administrative Functions	1077
Part A	Introductory	1077

8.1	Administrative functions	1077
8.1.1	[Deleted]	1077
8.1.2	[Deleted]	1077
8.1.3	Structure of this Chapter	1077
Part B	Disputes	1077
8.2	Dispute Resolution	1077
8.2.1	Application and guiding principles.....	1077
8.2.2	The Dispute Resolution Adviser.....	1080
8.2.3	Dispute management systems of Registered Participants and AEMO.....	1081
8.2.4	Stage 1 - dispute resolution through Registered Participants' DMS.....	1082
8.2.5	Stage 2 - dispute resolution process.....	1084
8.2.6A	Establishment of Dispute Resolution Panel.....	1084
8.2.6B	Parties to DRP Proceedings	1085
8.2.6C	Proceedings of the DRP.....	1086
8.2.6D	Decisions of the DRP.....	1087
8.2.6	[Deleted]	1087
8.2.7	Legal representation.....	1087
8.2.8	Cost of dispute resolution	1088
8.2.9	Effect of resolution	1088
8.2.10	Recording and publication.....	1089
8.2.11	Appeals on questions of law	1089
8.2.12	[Deleted]	1089
8.2A	B2B Determination Disputes	1089
8.2A.1	Application of rule 8.2	1089
8.2A.2	How rule 8.2 applies	1089
8.3	Power to make Electricity Procedures	1092
8.4	[Deleted]	1092
8.5	[Deleted]	1092
Part C	Registered Participants' confidentiality obligations	1092
8.6	Confidentiality	1092
8.6.1	Confidentiality	1092
8.6.1A	Application	1093
8.6.2	Exceptions.....	1093
8.6.3	Conditions.....	1095
8.6.4	[Deleted]	1095
8.6.5	Indemnity to AER, AEMC and AEMO.....	1095
8.6.6	AEMO information.....	1095
8.6.7	Information on Rules Bodies	1095
Part D	Monitoring and reporting	1096
8.7	Monitoring and Reporting	1096
8.7.1	Monitoring.....	1096
8.7.2	Reporting requirements and monitoring standards for Registered Participants and AEMO.....	1096
8.7.3	Consultation required for making general regulatory information order (Section 28H of the NEL)	1098

8.7.4	Preparation of network service provider performance report (Section 28V of the NEL).....	1099
8.7.5	[Deleted]	1100
8.7.6	Recovery of reporting costs	1100
Part E	Reliability panel	1100
8.8	Reliability Panel	1100
8.8.1	Purpose of Reliability Panel	1100
8.8.2	Constitution of the Reliability Panel.....	1102
8.8.3	Reliability Panel review process.....	1104
8.8.4	Determination of protected events.....	1106
Part F	Rules consultation procedures.....	1108
8.9	Rules Consultation Procedures	1108
Part G	Consumer advocacy funding	1110
8.10	Consumer advocacy funding obligation	1110
Part H	Augmentations	1110
8.11	Augmentations	1110
8.11.1	Application	1110
8.11.2	Object.....	1110
8.11.3	Definitions	1111
8.11.4	Planning criteria.....	1111
8.11.5	Construction of augmentation that is not a contestable augmentation.....	1112
8.11.6	Contestable augmentations	1112
8.11.7	Construction and operation of contestable augmentation.....	1113
8.11.8	Funded augmentations that are not subject to the tender process.....	1115
8.11.9	Contractual requirements and principles	1115
8.11.10	Annual planning review.....	1116
Schedule 8.11	Principles to be reflected in agreements relating to contestable augmentations	1116
S8.11.1	Risk allocation	1116
S8.11.2	Minimum requirements for agreements relating to contestable augmentation.....	1117
S8.11.3	Matters to be dealt with in relevant agreements	1118
Part I	Values of customer reliability	1118
8.12	Development of methodology and publication of values of customer reliability	1118
8A.	Participant Derogations	1123
Part 1	Derogations Granted to TransGrid	1123
8A.1	[Deleted].....	1123
Part 2	Derogations Granted to EnergyAustralia	1123
8A.2	[Deleted].....	1123
8A.2A	[Deleted].....	1123

Part 3	[Deleted]	1123
Part 4	[Deleted]	1123
Part 5	[Deleted]	1123
Part 6	Derogations Granted to Victorian Market Participants	1123
Part 7	[Deleted]	1124
Part 8	[Deleted]	1124
Part 9	[Deleted]	1124
Part 10	[Deleted]	1124
Part 11	[Deleted]	1124
Part 12	[Deleted]	1124
Part 13	Derogation granted to Aurora Energy (Tamar Valley) Pty Ltd	1124
8A.13	[Deleted]	1124
Part 14	Derogations granted to Ausgrid, Endeavour Energy and Essential Energy	1124
8A.14	Derogations from Chapter 6 for the current regulatory control period and subsequent regulatory control period	1124
8A.14.1	Definitions	1124
8A.14.2	Expiry date.....	1128
8A.14.3	Application of Rule 8A.14.....	1128
8A.14.4	Recovery of revenue across the current regulatory control period and subsequent regulatory control period.....	1129
8A.14.5	Recovery of revenue in subsequent regulatory control period only and no reopening of subsequent distribution determination required.....	1130
8A.14.6	Recovery of revenue in subsequent regulatory control period only and reopening of distribution determination is required.....	1131
8A.14.7	Requirements for adjustment determination.....	1132
8A.14.8	Application of Chapter 6 under participant derogation	1133
Part 15	Derogations granted to ActewAGL	1134
8A.15	Derogations from Chapter 6 for the current regulatory control period and subsequent regulatory control period	1134
8A.15.1	Definitions	1134
8A.15.2	Expiry date.....	1138
8A.15.3	Application of Rule 8A.15.....	1138
8A.15.4	Recovery of revenue across the current regulatory control period and subsequent regulatory control period.....	1138
8A.15.5	Recovery of revenue in subsequent regulatory control period only and no reopening of subsequent distribution determination required.....	1140
8A.15.6	Recovery of revenue in subsequent regulatory control period only and reopening of distribution determination is required.....	1141
8A.15.7	Requirements for adjustment determination.....	1143
8A.15.8	Application of Chapter 6 under participant derogation	1143

9.	Jurisdictional Derogations and Transitional Arrangements	1149
9.1	Purpose and Application	1149
9.1.1	Purpose	1149
9.1.2	Jurisdictional Derogations	1149
Part A	Jurisdictional Derogations for Victoria	1149
9.2	[Deleted]	1149
9.3	Definitions	1149
9.3.1	General Definitions	1149
9.3.2	[Deleted]	1151
9.3A	Fault levels	1151
9.4	Transitional Arrangements for Chapter 2 - Registered Participants, Registration and Cross Border Networks	1152
9.4.1	[Deleted]	1152
9.4.2	Smelter Trader	1152
9.4.3	Smelter Trader: compliance	1152
9.4.4	Report from AER	1155
9.4.5	Cross Border Networks	1155
9.5	[Deleted]	1156
9.6	Transitional Arrangements for Chapter 4 - System Security	1156
9.6.1	Operating Procedures (clause 4.10.1)	1156
9.6.2	Nomenclature Standards (clause 4.12)	1156
9.7	Transitional Arrangements for Chapter 5 - Network Connection	1156
9.7.1	[Deleted]	1156
9.7.2	[Deleted]	1156
9.7.3	[Deleted]	1156
9.7.4	Regulation of Distribution Network Connection	1156
9.7.5	[Deleted]	1157
9.7.6	[Deleted]	1157
9.7.7	[Deleted]	1157
9.8	Transitional Arrangements for Chapter 6 - Network Pricing	1157
9.8.1	[Deleted]	1157
9.8.2	[Deleted]	1157
9.8.3	[Deleted]	1157
9.8.4	Transmission Network Pricing	1157
9.8.4A	[Deleted]	1159
9.8.4B	[Deleted]	1159
9.8.4C	[Deleted]	1159
9.8.4D	[Deleted]	1159
9.8.4E	[Deleted]	1159
9.8.4F	[Deleted]	1159
9.8.4G	[Deleted]	1159
9.8.5	[Deleted]	1159
9.8.6	[Deleted]	1159

9.8.7	Distribution network pricing – transitional application of former Chapter 6.....	1159
9.8.8	Exclusion of AER's power to aggregate distribution systems and parts of distribution systems	1160
9.9	Transitional Arrangements for Chapter 7 - Metering	1160
9.9.1	Metering Installations To Which This Schedule Applies.....	1160
9.9.2	[Deleted]	1161
9.9.3	[Deleted]	1161
9.9.4	[Deleted]	1161
9.9.5	[Deleted]	1161
9.9.6	[Deleted]	1161
9.9.7	[Deleted]	1161
9.9.8	[Deleted]	1161
9.9.9	Periodic Energy Metering (clause 7.9.3)	1161
9.9.10	Use of Alternate Technologies (clause 7.13).....	1161
9.9A	[Deleted].....	1162
9.9B	[Deleted].....	1162
9.9C	[Deleted].....	1162
1.	Interpretation of tables	1162
2.	Continuing effect	1162
3.	Subsequent agreement	1163
4.	[Deleted]	1163
5.	Reactive Power Capability (clause S5.2.5.1 of schedule 5.2)	1163
6.	[Deleted]	1164
7.	[Deleted]	1164
8.	[Deleted]	1164
9.	[Deleted]	1164
10.	[Deleted]	1164
11.	[Deleted].....	1164
12.	[Deleted]	1164
13.	Governor Systems (load control) (clause S5.2.5.11 of schedule 5.2).....	1164
14.	[Deleted]	1164
15.	[Deleted]	1164
16.	Excitation Control System (clause S5.2.5.13 of schedule 5.2).....	1164
Part B	Jurisdictional Derogations for New South Wales	1165
9.10	[Deleted].....	1165
9.11	Definitions.....	1165
9.11.1	Definitions used in this Part B	1165
9.12	Transitional Arrangements for Chapter 2 - Generators, Registered Participants, Registration and Cross Border Networks.....	1166
9.12.1	[Deleted]	1166
9.12.2	Customers	1166
9.12.3	Power Traders.....	1166
9.12.4	Cross Border Networks.....	1169
9.13	[Deleted].....	1170

9.14	Transitional Arrangements for Chapter 4 - System Security	1170
9.14.1	Power System Operating Procedures.....	1170
9.15	NSW contestable services for Chapter 5A.....	1170
9.15.1	Definitions	1170
9.15.2	Chapter 5A not to apply to certain contestable services.....	1170
9.16	Transitional Arrangements for Chapter 6 - Network Pricing.....	1170
9.16.1	NSW contestable services.....	1170
9.16.2	[Deleted]	1170
9.16.3	Jurisdictional Regulator	1170
9.16.4	Deemed Regulated Interconnector.....	1171
9.16.5	[Deleted]	1171
9.17	Transitional Arrangements for Chapter 7 - Metering	1171
9.17.1	Extent of Derogations	1171
9.17.2	Initial Registration (clause 7.1.2).....	1171
9.17.3	Amendments to Schedule 9G1	1171
9.17.4	Compliance with AS/NZ ISO 9002 (clause S7.4.3(f) of schedule 7.4).....	1172
9.17A	[Deleted].....	1172
9.18	[Deleted].....	1172
Part C	Jurisdictional Derogations for the Australian Capital Territory.....	1172
9.19	[Deleted].....	1172
9.20	Definitions and Transitional Arrangements for Cross-Border Networks.....	1172
9.20.1	Definitions	1172
9.20.2	Cross Border Networks.....	1172
9.21	[Deleted].....	1173
9.22	[Deleted].....	1173
9.23	Transitional Arrangements for Chapter 6 - Network Pricing.....	1173
9.23.1	[Deleted]	1173
9.23.2	[Deleted]	1173
9.23.3	[Deleted].....	1173
9.23.4	[Deleted]	1173
9.24	Transitional Arrangements.....	1173
9.24.1	Chapter 7 - Metering.....	1173
9.24.2	[Deleted]	1173
9.24A	[Deleted].....	1173
Part D	Jurisdictional Derogations for South Australia	1173
9.25	Definitions.....	1173
9.25.1	[Deleted]	1173
9.25.2	Definitions	1173
9.26	Transitional Arrangements for Chapter 2 - Registered Participants, Registration And Cross Border Networks.....	1176
9.26.1	Registration as a Generator.....	1176

9.26.2	Registration as a Customer	1177
9.26.3	Cross Border Networks.....	1177
9.26.4	[Deleted]	1177
9.26.5	Registration as a Network Service Provider	1177
9.27	[Deleted].....	1178
9.28	Transitional Arrangements for Chapter 5 - Network Connection.....	1178
9.28.1	Application of clause 5.2	1178
9.28.2	[Deleted]	1179
9.29	Transitional Arrangements for Chapter 6 - Economic Regulation of Distribution Services	1179
9.29.1	[Deleted]	1179
9.29.2	[Deleted]	1179
9.29.3	[Deleted]	1179
9.29.4	[Deleted]	1179
9.29.5	Distribution Network Pricing – South Australia	1179
9.29.6	Capital contributions, prepayments and financial guarantees	1180
9.29.7	Ring fencing.....	1180
9.29A	Monitoring and reporting	1180
9.30	Transitional Provisions	1181
9.30.1	Chapter 7 - Metering.....	1181
Part E	Jurisdictional Derogations for Queensland.....	1181
9.31	[Deleted].....	1181
9.32	Definitions and Interpretation.....	1181
9.32.1	Definitions	1181
9.32.2	Interpretation.....	1184
9.33	Transitional Arrangements for Chapter 1	1184
9.33.1	[Deleted]	1184
9.34	Transitional Arrangements for Chapter 2 - Registered Participants and Registration.....	1184
9.34.1	Application of the Rules in Queensland (clauses 2.2 and 2.5)	1184
9.34.2	Stanwell Cross Border Leases (clause 2.2).....	1184
9.34.3	[Deleted]	1184
9.34.4	Registration as a Customer (clause 2.3.1)	1184
9.34.5	There is no clause 9.34.5	1185
9.34.6	Exempted generation agreements (clause 2.2)	1185
9.35	[Deleted].....	1189
9.36	[Deleted].....	1189
9.37	Transitional Arrangements for Chapter 5 - Network Connection.....	1189
9.37.1	[Deleted]	1189
9.37.2	Existing connection and access agreements (clause 5.2).....	1189
9.37.3	[Deleted]	1190
9.37.4	[Deleted]	1190

9.37.5	Forecasts for connection points to transmission network (clause 5.11.1).....	1190
9.37.6	There is no clause 9.37.6	1190
9.37.7	Cross Border Networks.....	1190
9.37.8	[Deleted]	1191
9.37.9	Credible contingency events (clause S5.1.2.1 of schedule 5.1).....	1191
9.37.10	Reactive power capability (clause S5.2.5.1 of schedule 5.2)	1191
9.37.11	[Deleted]	1192
9.37.12	Voltage fluctuations (clause S5.1.5 of schedule 5.1).....	1192
9.37.13	[Deleted]	1194
9.37.14	[Deleted]	1194
9.37.15	[Deleted]	1194
9.37.16	[Deleted]	1194
9.37.17	[Deleted]	1194
9.37.18	[Deleted]	1194
9.37.19	Generating unit response to disturbances (clause S5.2.5.3 of schedule 5.2).....	1194
9.37.20	[Deleted]	1194
9.37.21	Excitation control system (clause S.5.2.5.13 of schedule 5.2)	1194
9.37.22	[Deleted]	1195
9.37.23	Annual forecast information for planning purposes (schedule 5.7).....	1195
9.38	Transitional Arrangements for Chapter 6 - Network Pricing.....	1195
9.38.1	[Deleted]	1195
9.38.2	[Deleted]	1195
9.38.3	[Deleted]	1195
9.38.4	Interconnectors between regions	1195
9.38.5	Transmission pricing for exempted generation agreements	1195
9.39	Transitional Arrangements for Chapter 7 - Metering	1196
9.39.1	Metering installations to which this clause applies	1196
9.39.2	[Deleted]	1197
9.39.3	[Deleted]	1197
9.39.4	[Deleted]	1197
9.39.5	[Deleted]	1197
9.40	Transitional Arrangements for Chapter 8 - Administration Functions	1197
9.40.1	[Deleted]	1197
9.40.2	[Deleted]	1197
9.40.3	[Deleted]	1197
9.41	[Deleted].....	1197
Part F	Jurisdictional Derogations for Tasmania	1198
9.42	Definitions and interpretation	1198
9.42.1	Definitions	1198
9.42.2	Interpretation.....	1199
9.42.3	National grid, power system and related expressions.....	1199
9.43	[Deleted].....	1200
9.44	Transitional arrangements for Chapter 2 – Registered Participants and Registration - Customers (clause 2.3.1(e)).....	1200

9.45	Tasmanian Region (clause 3.5)	1200
9.47	Transitional arrangements for Chapter 5- Network Connection	1200
9.47.1	Existing Connection Agreements	1200
9.48	Transitional arrangements - Transmission and Distribution Pricing	1200
9.48.4A	Ring fencing	1200
9.48.4B	Uniformity of tariffs for small customers	1201
9.48.5	Transmission network	1201
9.48.6	Deemed regulated interconnector	1201
Part G	Schedules to Chapter 9	1201
1.	Introduction	1201
2.	[Deleted]	1201
3.	General Principle	1201
4.	[Deleted]	1202
5.	Accuracy Requirements	1202
6.	[Deleted]	1202
7.	[Deleted]	1202
8.	[Deleted]	1202
9.	[Deleted]	1202
10.	[Deleted]	1202
10.	Glossary	1205
11.	Savings and Transitional Rules	1321
Part A	Definitions	1321
Part B	System Restart Ancillary Services (2006 amendments)	1321
11.2	Rules consequent on making of the National Electricity Amendment (System Restart Ancillary Services and pricing under market suspension) Rule 2006	1321
11.2.1	Transitional provision for acquisition of non-market ancillary services	1321
11.3	[Deleted]	1322
Part C	Dispute Resolution for Regulatory Test (2006 amendments)	1322
11.4	Rules consequent on making of the National Electricity Amendment (Dispute Resolution for Regulatory Test) Rule 2006	1322
11.4.1	Continuation of things done under old clause 5.6.6	1322
Part D	Metrology (2006 amendments)	1323
11.5	Rules consequential on the making of the National Electricity Amendment (Metrology) Rule 2006	1323
11.5.1	Definitions	1323
11.5.2	Metrology procedures continues to apply until 31 December 2006	1323
11.5.3	Responsible person	1323
11.5.4	NEMMCO's responsibility to develop a metrology procedure	1323
11.5.5	Jurisdictional metrology material in the metrology procedure	1324

Part E	Economic Regulation of Transmission Services (2006 amendments)	1324
11.6	Rules consequent on making of the National Electricity Amendment (Economic Regulation of Transmission Services) Rule 2006	1324
11.6.1	Definitions	1324
11.6.2	New Chapter 6A does not affect existing revenue determinations.....	1325
11.6.3	Old Part C and Schedules 6.2, 6.3, 6.4, 6.7 and 6.8 of old Chapter 6	1326
11.6.4	Old Part F of Chapter 6.....	1326
11.6.5	Application of new Chapter 6A to Transmission Network Service Providers	1326
11.6.6	Application of Chapter 6 to old distribution matters	1326
11.6.7	References to the old Chapter 6.....	1326
11.6.8	References to provisions of the old Chapter 6.....	1327
11.6.9	Roll forward of regulatory asset base for first regulatory control period	1327
11.6.10	Other adjustment carry-over mechanisms from current to first regulatory control period	1327
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	1327
11.6.12	Powerlink transitional provisions	1330
11.6.13	ElectraNet easements transitional provisions	1333
11.6.14	TransGrid contingent projects	1333
11.6.15	Transmission determination includes existing revenue determinations.....	1334
11.6.16	References to regulatory control period.....	1334
11.6.17	Consultation procedure for first proposed guidelines.....	1334
11.6.18	Reliance on proposed guidelines for SP AusNet, VENCORP and ElectraNet	1335
11.6.19	EnergyAustralia transitional provisions	1335
11.6.20	Basslink transitional provisions	1337
11.6.21	SPI Powernet savings and transitional provision.....	1339
11.6.22	Interim arrangements pricing-related information.....	1340
Part F	Reform of Regulatory Test Principles (2006 amendments)	1341
11.7	Rules consequent on making of the National Electricity Amendment (Reform of the Regulatory Test Principles) Rule 2006	1341
11.7.1	Definitions	1341
11.7.2	Amending Rule does not affect old clause 5.6.5A	1341
Part G	Pricing of Prescribed Transmission Services (2006 amendments)	1341
11.8	Rules consequent on making the National Electricity Amendment (Pricing of Prescribed Transmission Services) Rule 2006	1341
11.8.1	Definitions	1341
11.8.2	Regulated interconnectors	1342

11.8.3	Application of new Part J of Chapter 6A to Transmission Network Service Providers.....	1342
11.8.4	Reliance on agreed interim guideline for ElectraNet, SPAusNet, and VenCorp.....	1343
11.8.5	Prudent discounts under existing agreements.....	1343
11.8.6	Application of prudent discounts regime under rule 6A.26.....	1343
11.8.7	Prudent discounts pending approval of pricing methodology.....	1343
Part H	Reallocations (2007 amendments).....	1344
11.9	Rules consequent on the making of the National Electricity Amendment (Reallocations) Rule 2007.....	1344
11.9.1	Definitions.....	1344
11.9.2	Existing and transitional reallocations.....	1344
Part I	Technical Standards for Wind Generation (2007 amendments).....	1345
11.10	Rules consequent on making of the National Electricity Amendment (Technical Standards for Wind Generation and other Generator Connections) Rule 2007.....	1345
11.10.1	Definitions.....	1345
11.10.2	Provision of information under S5.2.4 in registration application.....	1345
11.10.3	Access standards made under the old Chapter 5.....	1346
11.10.4	Modifications to plant by Generators.....	1346
11.10.5	Technical Details to Support Application for Connection and Connection Agreement.....	1346
11.10.6	Transitional arrangements for establishment of performance standards.....	1346
11.10.7	Jurisdictional Derogations for Queensland.....	1346
11.10A	Rules consequent on the making of the National Electricity Amendment (Central Dispatch and Integration of Wind and Other Intermittent Generation) Rule 2008.....	1347
11.10A.1	Definitions.....	1347
11.10A.2	Registration and reclassification of classified generating units.....	1348
11.10A.3	Registered generating unit.....	1348
11.10A.4	Classification of potential semi-scheduled generating unit.....	1348
11.10A.5	Participant fees.....	1349
11.10A.6	Timetable.....	1349
11.10A.7	Procedure for contribution factors for ancillary service transactions.....	1349
11.10A.8	Guidelines for energy conversion model information.....	1349
Part J	Cost Recovery of Localised Regulation Services (2007 amendments).....	1350
11.11	Rules consequent on making of the National Electricity Amendment (Cost Recovery of Localised Regulation Services) Rule 2007.....	1350
11.11.1	Definitions.....	1350
11.11.2	Action taken by NEMMCO for the purposes of Amending Rule.....	1350
11.12	[Deleted].....	1350
Part L	[Deleted].....	1350

Part M	Economic Regulation of Distribution Services (2007 amendments)	1350
Division 1	General Provisions	1350
11.14	General provisions	1350
11.14.1	Application of this Division	1350
11.14.2	Definitions	1350
11.14.3	Preservation of old regulatory regime	1351
11.14.4	Transfer of regulatory responsibility	1352
11.14.5	Special requirements with regard to ring fencing	1352
11.14.6	Additional requirements with regard to cost allocation	1353
11.14.7	Construction of documents	1353
Division 2	[Deleted]	1354
Division 3	Transitional arrangements for first distribution determination for Queensland Distribution Network Service Providers	1354
11.16	Transitional arrangements for first distribution determination for Queensland Distribution Network Service Providers	1354
11.16.1	Definitions	1354
11.16.2	Application of Part to Queensland 2010 distribution determinations	1354
11.16.3	Treatment of the regulatory asset base	1354
11.16.4	Efficiency Benefit Sharing Scheme	1355
11.16.5	Service Target Performance Incentive Scheme	1355
11.16.6	Framework and approach	1355
11.16.7	Regulatory Proposal	1355
11.16.8	Side constraints	1356
11.16.9	Cost pass throughs	1356
11.16.10	Capital Contributions Policy	1356
Division 4	Transitional provisions of specific application to Victoria	1357
11.17	Transitional provisions of specific application to Victoria	1357
11.17.1	Definitions	1357
11.17.2	Calculation of estimated cost of corporate income tax	1357
11.17.3	Decisions made in the absence of a statement of regulatory intent	1357
11.17.4	Cost allocation guidelines	1358
11.17.5	Modification of requirements related to cost allocation method	1358
11.17.6	AMI Order in Council	1359
Part N	Registration of Foreign Based Persons and Corporations as Trader Class Participants (2007 amendments)	1359
11.18	Rules consequential on the making of the National Electricity Amendment (Registration of Foreign Based Persons and Corporations as Trader Class Participants) Rule 2007	1359
11.18.1	Definitions	1359
11.18.2	Auction rules	1359
Part O	Process for Region Change (2007 amendments)	1360
11.19	Rules consequent on making of the National Electricity Amendment (Process for Region Change) Rule 2007	1360
11.19.1	Definitions	1360

11.19.2	Regions Publication	1360
Part P	Integration of NEM Metrology Requirements.....	1360
11.20	Rules consequential on the making of the National Electricity Amendment (Integration of NEM Metrology Requirements) Rule 2008	1360
11.20.1	Definitions	1360
11.20.2	Metering installations for non-market generating units immediately prior to 30 June 2008	1360
11.20.3	First-tier load metering installations	1361
11.20.4	First-tier load metering installations in Victoria.....	1361
11.20.5	Minimalist Transitioning Approach in Queensland	1361
11.20.6	First-tier jurisdictional requirements publication	1362
11.20.7	Metrology procedure	1362
Part PA	Reliability Settings: Information Safety Net and Directions	1362
11.21	Rules consequential on the making of the National Electricity Amendment (NEM Reliability Settings: Information Safety Net and Directions) Rule 2008	1362
11.21.1	Definitions	1362
11.21.2	EAAP guidelines	1362
11.21.3	[Deleted]	1362
11.21.4	[Deleted]	1362
11.21.5	Timetable	1362
11.21.6	Power system security and reliability standards	1363
11.21.7	Report on statement of opportunities.....	1363
11.21.8	Methodology for dispatch prices and ancillary services prices	1363
Part Q	Regulatory Test Thresholds and Information Disclosure on Network Replacements.....	1363
11.22	Rules consequential on the making of the National Electricity Amendment (Regulatory Test Thresholds and Information Disclosure on Network Replacements) Rule 2008	1363
11.22.1	Definitions	1363
11.22.2	Amending Rule does not affect existing regulatory test.....	1364
Part R	Performance Standard Compliance of Generators	1364
11.23	Rules consequential on the making of the National Electricity Amendment (Performance Standards Compliance of Generators) Rule 2008.....	1364
11.23.1	Definitions	1364
11.23.2	Application of rule 11.23 for compliance programs implemented immediately after the commencement of the Amending Rule	1364
11.23.3	Application of rule 11.23 for compliance programs implemented immediately prior to the commencement of the Amending Rule.....	1364
11.23.4	Application of rule 11.23 for compliance programs not implemented immediately prior to the commencement of the Amending Rule	1365
Part S	[Deleted].....	1365

Part U	Confidentiality Arrangements concerning Information required for Power System Studies.....	1365
11.25	Rule consequential on the making of the National Electricity Amendment (Confidentiality Arrangements in Respect of Information Required for Power System Studies) Rule 2009	1365
11.25.1	Definitions	1365
11.25.2	Transitional arrangements for the provision of information.....	1365
Part V	WACC Reviews: Extension of Time	1367
11.26	Rule consequential on the making of the National Electricity Amendment (WACC Reviews: Extension of Time) Rule 2009	1367
11.26.1	Definitions	1367
11.26.2	Extension of time to submit a regulatory proposal for the regulatory control period 2010-2015	1367
Part W	National Transmission Statement	1367
11.27	Rules consequent on the making of the National Electricity Amendment (National Transmission Statement) Rule 2009	1367
11.27.1	Definitions	1367
11.27.2	Purpose	1367
11.27.3	Application of rule 11.27	1368
11.27.4	National Transmission Statement	1368
11.27.5	Scope and Content of National Transmission Network Development Plan.....	1369
11.27.6	Energy Adequacy Assessment Projection	1370
11.27.7	Amendment to Last Resort Power	1370
11.27.8	Actions taken prior to commencement of Rule	1370
Part X	National Transmission Planning	1370
11.28	Rules consequential on the making of the National Electricity (Australian Energy Market Operator) Amendment Rules 2009	1370
11.28.1	Definitions	1370
11.28.2	Jurisdictional planning bodies and representatives.....	1370
11.28.3	Criteria and guidelines published by Inter-regional Planning Committee.....	1371
11.28.4	Augmentation technical reports	1371
11.28.5	Last Resort Planning Power.....	1371
11.28.6	Inter-network power system tests	1371
11.28.7	Control and protection settings for equipment	1372
11.28.8	Revenue Proposals.....	1372
Part Y	Regulatory Investment Test for Transmission.....	1372
11.29	Rules consequent on making of the National Electricity Amendment (Regulatory Investment Test for Transmission) Rule 2009	1372
11.29.1	Definitions	1372
11.29.2	Period when Amending Rule applies to transmission investment.....	1373
Part Z	Congestion Information Resource.....	1373

11.30	Rules consequent on the making of the National Electricity Amendment (Congestion Information Resource) Rule 2009.....	1373
11.30.1	Definitions	1373
11.30.2	Interim congestion Information resource.....	1374
Part ZA	Reliability and emergency reserve trader (2009 amendments).....	1376
11.31	Rules consequent on the making of the National Electricity Amendment (Improved RERT Flexibility and Short-notice Reserve Contracts) Rule 2009.....	1376
11.31.1	Definitions	1376
11.31.2	Purpose	1376
11.31.3	Amendments to Reliability Panel's RERT Guidelines	1376
11.31.4	Amendments to AEMO's RERT procedures for exercising the RERT	1377
Part ZB	Early Application of Market Impact Parameters.....	1377
11.32	Rules consequent on the making of the National Electricity Amendment (Early Implementation of Market Impact Parameters) Rule 2010	1377
11.32.1	Definitions	1377
11.32.2	Purpose	1378
11.32.3	Early application of the market impact component of the service target performance incentive scheme	1378
Part ZC	Transparency of operating data	1381
11.33	Rules consequential on the making of National Electricity Amendment (Transparency of Operating Data) Rule 2010	1381
11.33.1	Definitions	1381
11.33.2	Spot market operations timetable	1381
Part ZD	Cost Recovery for Other Services Directions.....	1383
11.34	Rules consequent on making of the National Electricity Amendment (Cost Recovery for Other Services Directions) Rule 2010	1383
11.34.1	Definitions	1383
11.34.2	Period when Amending Rules applies to funding of compensation.....	1383
Part ZE	Payments under Feed-in Schemes and Climate Change Funds	1383
11.35	Rules consequential on the making of the National Electricity Amendment (Payments under Feed-in Schemes and Climate Change Funds) Rule 2010	1383
11.35.1	Definitions	1383
11.35.2	Application of recovery of jurisdictional scheme Rules.....	1384
11.35.3	Reporting on jurisdictional schemes.....	1385
11.35.4	Revocation and substitution of distribution determination for jurisdictional scheme recovery	1386
Part ZF	Transitional Arrangements for Ministerial Smart Meter Roll Out Determinations	1387
11.36	Ministerial Smart Meter Roll Out Determinations	1387
11.36.1	Definitions	1387

11.36.2	Meaning of relevant metering installation.....	1387
11.36.3	Period of application of rule to relevant metering installation	1387
11.36.4	Designation of responsible person.....	1388
11.36.5	[Deleted]	1388
11.36.6	[Deleted]	1388
Part ZG	Provision of Metering Data Services and Clarification of Existing Metrology Requirements.....	1388
11.37	Rules consequential on the making of the National Electricity Amendment (Provision of Metering Data Services and Clarification of Existing Metrology Requirements) Rule 2010	1388
11.37.1	Definitions	1388
11.37.2	Commencement of special site or technology related conditions.....	1388
11.37.3	Initial service level procedures	1388
Part ZH	Spot Market Operations Timetable	1389
11.38	Rules consequential on the making of National Electricity Amendment (Amendments to PASA-related Rules) Rule 2010	1389
11.38.1	Definitions	1389
11.38.2	Spot market operations timetable	1389
Part ZI	DNBP Recovery of Transmission-related Charges.....	1390
11.39	Rules consequential on the making of the National Electricity Amendment (DNBP Recovery of Transmission-related Charges) Rule 2011.....	1390
11.39.1	Definitions	1390
11.39.2	Recovery by Victorian distribution network service providers during current regulatory control period.....	1391
11.39.3	Recovery by Victorian distribution network service providers for shared network augmentations	1391
11.39.4	Bairnsdale network support agreement	1391
11.39.5	Approval of pricing proposal.....	1391
11.39.6	Ergon Energy transitional charges.....	1392
11.39.7	Energex transitional charges.....	1392
Part ZJ	Network Support and Control Ancillary Services.....	1392
11.40	Rules consequential on the making of the National Electricity Amendment (Network Support and Control Ancillary Services) Rule 2011	1392
11.40.1	Definitions	1392
11.40.2	Purpose	1392
11.40.3	Existing NCAS contracts to continue	1392
11.40.4	Amendments to existing guidelines.....	1393
11.40.5	New procedures	1393
11.40.6	Decisions and actions taken prior to Amending Rule	1393
Part ZK	Application of Dual Marginal Loss Factors	1393
11.41	Rules consequential on the making of the National Electricity Amendment (Application of Dual Marginal Loss Factors) Rule 2011	1393
11.41.1	Definitions	1393

11.41.2	Amendments to loss factor methodology	1394
11.41.3	Procedure applying dual intra-regional loss factors in central dispatch and spot market transactions	1394
11.41.4	Publication of intra-regional loss factors	1394
Part ZL	Tasmania Tranche 5a Procedure Changes.....	1394
11.42	Rules consequential on the making of the National Electricity Amendment (Tasmania Tranche 5a Procedure Changes) Rule 2011	1394
11.42.1	Definitions	1394
11.42.2	AEMO may amend Relevant Procedures	1395
Part ZM	Application and Operation of Administered Price Periods.....	1395
11.43	Rules consequential on the making of National Electricity Amendment (Application and Operation of Administered Price Periods) Rule 2011	1395
11.43.1	Definitions	1395
11.43.2	Administered Price Cap Schedule	1395
Part ZO	Negative Intra-regional Settlements Residue.....	1396
11.45	Rules consequential on the making of National Electricity Amendment (Negative Intra-regional Settlements Residue) Rule 2012	1396
11.45.1	Definitions	1396
11.45.2	Recovery of negative settlements residue prior to consultation under the Amending Rule	1396
11.45.3	First consultation on negative intra-regional settlements residue procedure	1397
Part ZP	Interim Connection Charging Rules.....	1397
11.46	Rules consequential to the insertion of Chapter 5A by the National Electricity (National Energy Retail Law) Amendment Rule 2012	1397
Division 1	Preliminary.....	1397
11.46.1	Definitions	1397
11.46.2	Extended meaning of some terms	1399
11.46.3	Transitional operation of relevant provisions	1399
Division 2	Jurisdictional differences	1400
11.46.4	Exclusions, qualifications and modifications for ACT.....	1400
11.46.5	Exclusions, qualifications and modifications for NSW.....	1401
11.46.6	Exclusions, qualifications and modifications for Queensland.....	1402
11.46.7	Exclusions, qualifications and modifications for SA	1403
11.46.8	Exclusions, qualifications and modifications for Tasmania	1404
11.46.9	Exclusions, qualifications and modifications for Victoria.....	1405
Division 3	General provisions	1406
11.46.10	Connection charges.....	1406
11.46.11	References.....	1407
Part ZQ	NSW transitional retail support and credit support rules.....	1407

11.47	Rules consequential on the insertion of Chapter 6B by the National Electricity (National Energy Retail Law) Amendment Rule 2012	1407
Division 1	Preliminary.....	1407
11.47.1	Definitions	1407
11.47.2	Application	1409
11.47.3	Obligation to pay	1409
11.47.4	Charging and billing	1409
11.47.5	Interest on unpaid amounts	1410
11.47.6	Circumstances where NSW DNSP may request credit support	1410
11.47.7	Credit support	1410
11.47.8	Credit support providers	1411
11.47.9	NSW DNSP to determine required credit support amount.....	1411
11.47.10	NSW Retailer to ensure credit support available.....	1411
11.47.11	Drawing on credit support	1412
11.47.12	Specific transitional arrangements.....	1412
Part ZR	Miscellaneous transitional rules—NERL	1412
11.48	Rules consequential on the making of the National Electricity (National Energy Retail Law) Amendment Rule 2012.....	1412
11.48.1	Extension of time period for AER to consider certain pass through applications	1412
Part ZS	Cost pass through arrangements for Network Service Providers.....	1413
11.49	Rules consequential on the making of National Electricity Amendment (Cost pass through arrangements for Network Service Providers) Rule 2012.....	1413
11.49.1	Definitions	1413
11.49.2	Terrorism event is a cost pass through event in the current regulatory control period	1413
11.49.3	Transitional arrangement for Powerlink	1413
11.49.4	Transitional arrangements for ElectraNet and Murraylink.....	1414
Part ZT	Distribution Network Planning and Expansion.....	1414
11.50	Rules consequential on the making of the National Electricity Amendment (Distribution Network Planning and Expansion) Rule 2012	1414
11.50.1	Interpretation.....	1414
11.50.2	Definitions	1414
11.50.3	Timing for first Distribution Annual Planning Report	1415
11.50.4	Contents of Distribution Annual Planning Report.....	1415
11.50.5	Transition from the regulatory test to the regulatory investment test for distribution	1416
Part ZU	New Prudential Standard and Framework in the NEM.....	1417
11.51	Rules consequential on the making of the National Electricity Amendment (New Prudential Standard and Framework in the NEM) Rule 2012.....	1417
11.51.1	Definitions	1417

11.51.2	AEMO's responsibility to develop and publish the credit limit procedures.....	1417
11.51.3	Transition to the framework for determining prudential settings.....	1418
11.51.4	Prior consultation, step, decision or action taken by AEMO	1418
Part ZV	Small Generation Aggregator Framework	1418
11.52	Rules consequential on the making of the National Electricity Amendment (Small Generation Aggregator Framework) Rule 2012	1418
11.52.1	Definitions	1418
11.52.2	Commencement of participant fees as well as transactions, funding and settlements under Chapter 3 for Market Small Generation Aggregators.....	1419
11.52.3	Participant fees for Market Small Generation Aggregators.....	1419
11.52.4	Ancillary service transactions, funding of compensation for directions and intervention settlements for directions for Market Small Generation Aggregators	1419
11.52.5	Amendments to the carbon dioxide equivalent intensity index procedures.....	1420
11.52.6	Amendments of the metrology procedures.....	1421
11.52.7	Amendments to the Market Settlement and Transfer Solution Procedures.....	1421
Part ZW	Economic Regulation of Network Service Providers (2012 amendments)	1421
Division 1	Miscellaneous transitional provisions	1421
11.53	Publication of Chapter 6 Guidelines	1421
11.53.1	Shared Asset Guidelines	1421
11.53.2	Capital Expenditure Incentive Guidelines	1422
11.53.3	Rate of Return Guidelines	1422
11.53.4	Expenditure Forecast Assessment Guidelines	1422
11.53.5	Distribution Confidentiality Guidelines	1422
11.53.6	Consultation procedure paper	1423
11.54	Publication of Chapter 6A Guidelines	1423
11.54.1	Shared Asset Guidelines	1423
11.54.2	Capital Expenditure Incentive Guidelines	1423
11.54.3	Rate of Return Guidelines	1423
11.54.4	Expenditure Forecast Assessment Guidelines	1424
11.54.5	Transmission Confidentiality Guidelines	1424
11.54.6	Consultation paper procedure	1424
Division 2	Transitional provisions for NSW/ACT Distribution Network Service Providers	1424
11.55	General provisions	1424
11.55.1	Definitions	1424
11.55.2	Transitional Chapter 6	1425
11.55.3	Application of rule 11.56.....	1427
11.56	Special provisions applying to affected DNSPs.....	1427
11.56.1	Requirement to make distribution determination	1427

11.56.2	Transitional regulatory proposal.....	1427
11.56.3	Distribution determination for a transitional regulatory control period.....	1428
11.56.4	Subsequent regulatory control period.....	1433
11.56.5	Review of past capital expenditure.....	1438
Division 3	Transitional provisions for NSW and Tasmanian Transmission Network Service Providers and Directlink.....	1438
11.57	General provisions.....	1438
11.57.1	Definitions.....	1438
11.57.2	Transitional Chapter 6A.....	1439
11.57.3	Application of rule 11.58.....	1440
11.58	Special provisions applying to affected TNSPs.....	1441
11.58.1	Requirement to make transmission determination.....	1441
11.58.2	Requirement to submit a transitional Revenue Proposal.....	1441
11.58.3	Transmission determination for a transitional regulatory control period.....	1442
11.58.4	Subsequent regulatory control period.....	1444
11.58.5	Review of past capital expenditure.....	1449
Division 4	Transitional provisions for the Victorian TNSP.....	1449
11.59	Special provisions applying to the Victorian TNSP.....	1449
11.59.1	Definitions.....	1449
11.59.2	Application of rule 11.59.....	1450
11.59.3	Former Chapter 6A/10 applies.....	1450
11.59.4	Review of past capital expenditure.....	1450
Division 5	Transitional provisions for Qld/SA and Victorian Distribution Network Service Providers.....	1451
11.60	Special provisions applying to the Qld/SA and Victorian Distribution Network Service Providers.....	1451
11.60.1	Definitions.....	1451
11.60.2	Application of rule 11.60.....	1452
11.60.3	Distribution determination for next regulatory control period.....	1452
11.60.4	Re-opening of distribution determination for next regulatory control period.....	1454
11.60.5	Review of past capital expenditure.....	1456
Division 6	Review of past capital expenditure.....	1456
11.61	Definitions and application.....	1456
11.62	Review of past capital expenditure under Chapter 6.....	1457
11.63	Review of past capital expenditure under Chapter 6A.....	1457
Part ZX	Inter-regional Transmission Charging.....	1458
11.64	Rules consequent on the making of the National Electricity Amendment (Inter-regional Transmission Charging) Rule 2013.....	1458
11.64.1	Definitions.....	1458
11.64.2	Amendments to the pricing methodology guidelines.....	1458
11.64.3	Amendments to the pricing methodologies of Transmission Network Service Providers.....	1458

11.64.4	Commencement of clause 6A.23.3(f) for further adjustments	1459
Part ZY	Network Service Provider Expenditure Objectives.....	1459
11.65	Rules consequent on the making of the National Electricity Amendment (Network Service Provider Expenditure Objectives) Rule 2013	1459
11.65.1	Definitions	1459
11.65.2	Application of rule 11.65	1459
Part ZZ	Access to NMI Standing Data	1460
11.66	Rules consequent on the making of the National Electricity Amendment (Access to NMI Standing Data) Rule 2013	1460
11.66.1	Definitions	1460
11.66.2	Minor amendment of the Market Settlement and Transfer Solution Procedures.....	1460
Part ZZA	Publication of Zone Substation Data	1461
11.67	Rules consequent on the making of the National Electricity Amendment (Publication of Zone Substation Data) Rule 2014.....	1461
11.67.1	Definitions	1461
11.67.2	Distribution Network Service Providers' obligations to commence on the next DAPR date	1461
Part ZZB	Connecting Embedded Generators	1461
11.68	Rules consequential on the making of the National Electricity Amendment (Connecting embedded generators) Rule 2014	1461
11.68.1	Definitions	1461
11.68.2	Continuation of enquiries lodged.....	1461
Part ZZC	Customer access to information about their energy consumption	1462
11.69	Rules consequential on the making of the National Electricity Amendment (Customer access to information about their energy consumption) Rule 2014	1462
11.69.1	Definitions	1462
11.69.2	AEMO to develop and publish the metering data provision procedure	1462
Part ZZD	National Electricity Amendment (Distribution Network Pricing Arrangements) Rule 2014	1462
Division 1	Miscellaneous transitional provisions	1462
11.70	General provisions	1462
11.70.1	Definitions	1462
11.70.2	Application of Part ZZB	1463
11.71	Special provisions applying to SA TNSP	1463
Division 2	Transitional provisions for NSW/ACT and Qld/SA Distribution Network Service Providers	1464
11.72	General provisions	1464
11.72.1	Definitions	1464

11.73	Special provisions applying to affected DNSPs.....	1464
11.73.1	Distribution determination and pricing proposals	1464
11.73.2	Tariff structure statement.....	1465
11.73.3	Dispute resolution.....	1471
Division 3	Transitional provisions for Tasmanian Distribution Network Service Provider.....	1471
11.74	Application of former Chapter 6.....	1471
Division 4	Transitional provisions for Victorian Distribution Network Service Providers	1471
11.75	General provisions	1471
11.75.1	Definitions	1471
11.76	Special provisions applying to affected DNSPs.....	1471
11.76.1	Distribution determination and pricing proposals	1471
11.76.2	Tariff structure statement.....	1472
11.76.3	Dispute resolution.....	1478
Part ZZE	Early Application of Network Capability Component (STPIS).....	1478
11.77	Rules consequent on the making of the National Electricity Amendment (Early Application of Service Target Performance Incentive Scheme (STPIS) Components for Transmission Businesses) Rule 2015	1478
11.77.1	Definitions	1478
11.77.2	Purpose	1478
11.77.3	Earlier application of the network capability component of the service target performance incentive scheme	1479
Part ZZF	National Electricity Amendment (Governance arrangements and implementation of the reliability standard and settings) Rule 2015	1481
11.78	Rules consequent on the making of the National Electricity Amendment (Governance arrangements and implementation of the reliability standards and settings) Rule 2015.....	1481
11.78.1	Definitions	1481
11.78.2	Existing power system security and reliability standards.....	1481
11.78.3	Reliability standard and settings guidelines	1482
11.78.4	Reliability standard implementation guidelines	1482
Part ZZG	Improving demand side participation information provided to AEMO by registered participants.....	1484
11.79	Rules consequential on making of the National Electricity Amendment (Improving demand side participation information provided to AEMO by registered participants) Rule 2015	1484
11.79.1	AEMO to develop and publish the demand side participation information guidelines	1484
Part ZZH	Transitional Arrangements for Aligning TasNetworks' regulatory control periods	1485

11.80	National Electricity Amendment (Aligning TasNetworks' regulatory control periods) Rule 2015	1485
11.80.1	Definitions	1485
11.80.2	Application of rule 11.80	1485
11.80.3	Next regulatory control period.....	1485
11.80.4	Subsequent regulatory control period.....	1485
Part ZZI	System Restart Ancillary Services	1486
11.81	Rules consequential on the making of the National Electricity Amendment (System Restart Ancillary Services) Rule 2015.....	1486
11.81.1	Definitions	1486
11.81.2	System restart standard	1486
11.81.3	SRAS Guideline.....	1486
11.81.4	Regional Benefit Ancillary Services Procedures.....	1486
11.81.5	Consultation prior to the Commencement Date	1486
11.81.6	Existing SRAS Contract	1486
Part ZZJ	Demand management incentive scheme	1487
11.82	Rules consequential on making of the National Electricity Amendment (Demand management incentive scheme) Rule 2015	1487
11.82.1	Definitions	1487
11.82.2	AER to develop and publish the demand management incentive scheme and demand management innovation allowance mechanism	1487
Part ZZK	AEMO access to demand forecasting information	1487
11.83	Rules consequential on the making of the National Electricity Amendment (AEMO access to demand forecasting information) Rule 2015.....	1487
11.83.1	AEMO to include supporting information in NTNDP database	1487
Part ZZL	Compensation arrangements following application of an Administered Price Cap or Administered Floor Price.....	1488
11.84	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.....	1488
11.84.1	Definitions	1488
11.84.2	Compensation Guidelines	1488
Part ZZM	Common definitions of distribution reliability measures	1488
11.85	Rules consequential on the making of the National Electricity Amendment (Common definitions of distribution reliability measures) Rule 2015	1488
11.85.1	Definitions	1488
11.85.2	Distribution reliability measures guidelines	1488
11.85.3	Amended STPIS	1488
Part ZZN	Expanding competition in metering and metering related services	1489

11.86 Rules consequent on making of the National Electricity Amendment (Expanding competition in metering and related services) Rule 2015.....1489

11.86.1 Definitions1489

11.86.2 References to old Chapter 71489

11.86.3 References to provisions of the old Chapter 71489

11.86.4 References to responsible person.....1489

11.86.5 Continued operation of old Rules until the effective date1489

11.86.6 New and amended procedures1490

11.86.7 Metering Coordinator for type 5 or 6 metering installation from effective date.....1491

11.86.8 Distribution Ring Fencing Guidelines1493

11.86.9 [Deleted]1493

Part ZZO Embedded Networks1493

11.87 Rules consequential on the making of the National Electricity Amendment (Embedded Networks) Rule 2015.....1493

11.87.1 Definitions1493

11.87.2 Amended Procedures and NMI Standing Data Schedule1494

11.87.3 ENM service level procedures and guide to embedded networks and list of Embedded Network Managers1494

11.87.4 Exemptions under section 13 of the National Electricity Law1494

Part ZZP Meter Replacement Processes.....1495

11.88 Rules consequential on the making of the National Electricity Amendment (Meter Replacement Processes) Rule 2016.....1495

11.88.1 Definitions1495

11.88.2 Amended Procedures1495

Part ZZQ Energy Adequacy Assessment Projection1495

11.89 Rules consequential to the National Electricity Amendment (Energy Adequacy Assessment Projection timeframes) Rule 20161495

11.89.1 Amended guideline and timetable1495

Part ZZR Reliability and emergency reserve trader (2016 amendments).....1496

11.90 Rules consequent on the making of the National Electricity Amendment (Extension of the Reliability and Emergency Reserve Trader) Rule 20161496

11.90.1 Definitions1496

11.90.2 Amendments to Reliability Panel's RERT Guidelines1496

11.90.3 Amendments to AEMO's RERT procedures1496

11.90.4 Reserve contracts entered into before Schedule 2 commencement date.....1496

Part ZZS Updating the electricity B2B framework.....1496

11.91 Rules consequential on the making of the National Electricity Amendment (Updating the electricity B2B framework) rule 20161496

11.91.1 Definitions1496

11.91.2 B2B Procedures1497

11.91.3 Information Exchange Committee Election Procedures and Information Exchange Committee Operating Manual.....1497

11.91.4 The New IEC1498

11.91.5 Amended Procedures1499

11.91.6 B2B e-Hub Participant accreditation process1500

11.91.7 New IEC Budget and 2016 Annual Report1500

11.91.8 Cost recovery1500

Part ZZT Application of Offsets in the Prudential Margin Calculation1501

11.92 Rules consequential on the making of the National Electricity Amendment (Application of Offsets in the Prudential Margin Calculation) Rule 20161501

11.92.1 Definitions1501

11.92.2 Amended procedures1501

Part ZZU Rate of Return Guidelines Review1501

11.93 Rules consequential on the making of the National Electricity Amendment (Rate of Return Guidelines Review) Rule 20161501

11.93.1 Definitions1501

11.93.2 Application of current rate of return guidelines to making of a distribution determination for the subsequent regulatory control period1503

Part ZZV Demand Response Mechanism and Ancillary Services Unbundling.....1503

11.94 Rules consequential on the making of the National Electricity Amendment (Demand Response Management and Ancillary Services Unbundling) rule 2016.....1503

11.94.1 Definitions1503

11.94.2 Participant fees for Market Ancillary Service Providers1503

Part ZZW Local Generation Network Credits1503

11.95 Rules consequential on the making of the National Electricity Amendment (Local Generation Network Credits) Rule 20161503

11.95.1 Definitions1503

11.95.2 System limitation template1504

Part ZZX Retailer-Distributor Credit Support Requirements.....1504

11.96 Rules consequent on the making of the National Electricity Amendment (Retailer Distributor Credit Support Requirements) Rule 2017 No. 11504

11.96.1 Definitions1504

11.96.2 Continued operation of old Chapter 6B1504

11.96.3 Interaction with Chapter 61504

11.96.4 Application of new Chapter 6B1504

Part ZZY Emergency Frequency Control Schemes.....1505

11.97 Rules consequent on the making of the National Electricity Amendment (Emergency frequency control schemes) Rule 2017.....1505

11.97.1 Definitions1505

11.97.2 Interim frequency operating standards for protected events.....1505

11.97.3	First power system frequency risk review	1506
11.97.4	AEMO must review existing load shedding procedures	1506
11.97.5	Load shedding procedures	1506
Part ZZZ	Transmission Connection and Planning Arrangements	1507
11.98	Rules consequential on the making of the National Electricity Amendment (Transmission Connection and Planning Arrangements) Rule 2017	1507
11.98.1	Definitions	1507
11.98.2	Grandfathering of existing dedicated connection assets.....	1508
11.98.3	Preparatory steps for registration changes under the Amending Rule.....	1508
11.98.4	Participant fees for Dedicated Connection Asset Service Providers	1509
11.98.5	Existing Connection Agreements	1509
11.98.6	Connection process	1509
11.98.7	Transmission Annual Planning Report	1510
11.98.8	Preservation for adoptive jurisdictions	1510
Part ZZZA	Replacement expenditure planning arrangements.....	1510
11.99	Rules consequential on the making of the National Electricity Amendment (Replacement expenditure planning arrangements) Rule 2017	1510
11.99.1	Definitions	1510
11.99.2	Interpretation.....	1511
11.99.3	Transitional arrangements for affected DNSPs	1512
11.99.4	Amendments to RIT documentation.....	1512
11.99.5	Transitional arrangements relating to excluded projects	1512
11.99.6	Transitional arrangements relating to Victorian bushfire mitigation projects.....	1512
11.99.7	Transitional arrangements relating to review of costs thresholds.....	1513
Part ZZZB	Managing the rate of change of power system frequency.....	1513
11.100	Rules consequential on the making of the National Electricity Amendment (Managing the rate of change of power system frequency) Rule 2017	1513
11.100.1	Definitions	1513
11.100.2	Inertia sub-networks	1514
11.100.3	Inertia requirements methodology	1514
11.100.4	Inertia requirements	1514
11.100.5	NSCAS not to be used to meet an inertia shortfall after 1 July 2019	1515
11.100.6	Inertia network services may be used to meet an NSCAS gap declared in the NSCAS transition period.....	1515
11.100.7	Inertia network services made available before the commencement date.....	1516
Part ZZZC	Managing power system fault levels	1516
11.101	Rules consequential on the making of the National Electricity Amendment (Managing power system fault levels) Rule 2017.....	1516
11.101.1	Definitions	1516
11.101.2	System strength impact assessment guidelines.....	1518
11.101.3	System strength requirements methodology.....	1518

11.101.4	System strength requirements.....	1518
11.101.5	NSCAS not to be used to meet a fault level shortfall after 1 July 2019	1519
11.101.6	System strength services may be used to meet an NSCAS gap declared in the NSCAS transition period.....	1519
11.101.7	Withdrawal of a system strength-related NSCAS gap already declared.....	1520
11.101.8	System strength services made available before the commencement date.....	1520
Part ZZZD	Generating System Model Guidelines.....	1520
11.102	Making of Power System Model Guidelines	1520
Part ZZZE	Five Minute Settlement	1520
11.103	Rules consequential on the making of the National Electricity Amendment (Five Minute Settlement) Rule 2017.....	1520
11.103.1	Definitions	1520
11.103.2	Amendments to procedures	1521
11.103.3.	Exemption for certain metering installations.....	1522
11.103.4	New or replacement meters	1522
11.103.5	Metering installations exempt from metering data provision requirements	1523
11.103.6	Exemption from meter data storage requirements.....	1523
11.103.7	Default offers and bids submitted prior to the commencement date	1523
Part ZZZF	Contestability of energy services	1523
11.104	Rules consequential on the making of the National Electricity Amendment (Contestability of energy services) Rule 2017	1523
11.104.1	Definitions	1523
11.104.2	New guidelines	1525
11.104.3	Transitional arrangements for application of Distribution Service Classification Guidelines and service classification provisions	1525
11.104.4	Transitional arrangements for application of Asset Exemption Guidelines, exemption applications and asset exemption decisions.....	1525
11.104.5	Transitional arrangements for adjustment in value of regulatory asset base	1527
Part ZZZG	Declaration of lack of reserve conditions.....	1527
11.105	Making of lack of reserve declaration guidelines	1527
11.105.1	Definitions	1527
11.105.2	Making of lack of reserve declaration guidelines.....	1527
Part ZZZH	Implementation of demand management incentive scheme	1527
11.106	Implementation of demand management incentive scheme	1527
11.106.1	Definitions	1527
11.106.2	Purpose	1528
11.106.3	Early application of revised demand management incentive scheme	1528
Part ZZZI	Reinstatement of long notice Reliability and Emergency Reserve Trader.....	1529

11.107	Rules consequential on the making of the National Electricity Amendment (Reinstatement of long notice Reliability and Emergency Reserve Trader) Rule 2018	1529
11.107.1	Definitions	1529
11.107.2	New RERT guidelines	1530
11.107.3	Amendments to RERT procedures	1533
11.107.4	Reserve contracts entered into before the commencement date	1533
Part ZZZJ	Register of distributed energy resources	1533
11.108	Rules consequential on the making of the National Electricity Amendment (Register of distributed energy resources) Rule 2018	1533
11.108.1	Definitions	1533
11.108.2	AEMO to develop and publish DER register information guidelines	1534
11.108.3	NSPs to provide AEMO with existing DER generation information	1534
Part ZZZK	Generator technical performance standards	1534
11.109	Rules consequential on the making of the National Electricity Amendment (Generator technical performance standards) Rule 2018	1534
11.109.1	Definitions	1534
11.109.2	Application of the Amending Rule to existing connection enquiries	1535
11.109.3	Application of the Amending Rule to existing applications to connect.....	1536
11.109.4	Application of the Amending Rule to existing offers to connect	1538
11.109.5	Application of the Amending Rule to Existing Connection Agreements	1538
Part ZZZL	Generator three year notice of closure	1539
11.110	Rules consequential on the making of the National Electricity Amendment (Generator three year notice of closure) Rule 2018	1539
11.110.1	Definitions	1539
11.110.2	AER to develop and publish notice of closure exemption guideline.....	1539
11.110.3	Application of Amending Rule to AEMO	1539
11.110.4	Application of Amending Rule to Generators	1539
Part ZZZM	Participant compensation following market suspension	1540
11.111	Rules consequential on the making of the National Electricity Amendment (Participant compensation following market suspension) Rule 2018	1540
11.111.1	Definitions	1540
11.111.2	Market suspension compensation methodology and schedule of benchmark values	1540
Part ZZZN	Global settlement and market reconciliation	1540
11.112	Rules consequential on the making of the National Electricity Amendment (Global settlement and market reconciliation) Rule 2018	1540
11.112.1	Definitions	1540
11.112.2	Amendments to AEMO procedures.....	1541
11.112.3	AEMO to publish report on unaccounted for energy trends.....	1541

11.112.4	Continuation of registration for non-market generators	1541
11.112.5	Publication of UFE data by AEMO	1541
11.112.6	Publication of UFE reporting guidelines	1542
Part ZZZO	Metering installation timeframes	1542
11.113	Rules consequential on making of the National Electricity Amendment (Metering installation timeframes) Rule 2018	1542
11.113.1	Definitions	1542
11.113.2	Timeframes for meters to be installed	1542
Part ZZZP	Early implementation of ISP priority projects	1543
11.114	National Electricity Amendment (Early implementation of ISP priority projects) Rule 2019	1543
11.114.1	Definitions	1543
11.114.2	Modifications to clause 5.16.6 for ISP VNI and QNI projects.....	1544
11.114.3	Modifications to clause 6A.8.2 for ISP projects.....	1545
Part ZZZQ	Enhancement to the Reliability and Emergency Reserve Trader	1547
11.115	Rules consequential on the making of the National Electricity Amendment (Enhancement to the reliability and emergency reserve trader) Rule 2019	1547
11.115.1	Definitions	1547
11.115.2	New RERT guidelines	1548
11.115.3	Amendments to RERT procedures	1548
11.115.4	Reserve contracts entered into before the commencement date	1548
11.115.5	Clause 3.20.6 (Reporting on RERT by AEMO).....	1548
Part ZZZR	Retailer Reliability Obligation.....	1548
11.116	Rules consequential on the making of the National Electricity Amendment (Retailer Reliability Obligation) Rule 2019.....	1548
11.116.1	Application	1548
11.116.2	Reliability Instrument Guidelines	1549
11.116.3	Forecasting Best Practice Guidelines	1549
11.116.4	Reliability Forecast Guidelines.....	1549
11.116.5	AER Opt-in Guidelines.....	1550
11.116.6	Contracts and Firmness Guidelines	1550
11.116.7	Qualifying contracts under interim Contracts and Firmness Guidelines	1550
11.116.8	Grandfathering arrangements	1550
11.116.9	Reliability Compliance Procedures and Guidelines	1551
11.116.10	MLO Guidelines	1552
11.116.11	Application of Part G, Divisions 2 – 6 (inclusive)	1552
11.116.12	Interim deeming of MLO generators and MLO groups	1553
11.116.13	MLO information template.....	1559
11.116.14	Initial MLO register	1560
11.116.15	Approved MLO products list.....	1560
11.116.16	Designated MLO exchange	1560
11.116.17	Five minute settlement intervals	1560
11.116.18	Review by AEMC.....	1560
Part ZZZS	Transparency of new projects	1561

**11.117 Rules consequential on the making of the National Electricity
Amendment (Transparency of new projects) Rule 2019.....1561**

11.117.1 Definitions1561

11.117.2 Generation information page1561

11.117.3 Generation information guidelines1561

11.117.4 Provision and use of information.....1562