

National Electricity Rules

Version 122

Status Information

This is the latest electronically available version of the National Electricity Rules as at 30 May 2019.

This consolidated version of the National Electricity Rules was last updated on 30 May 2019 as a result of the commencement of the following amendments:

Schedule 1 of the National Electricity Amendment (Intervention compensation and settlement processes) Rule 2019 No. 5

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:

National Electricity Amendment (Meter installation - advanced meter communications) Rule 2019 No. 1 will commence operation on 1 July 2019.

Schedule 2 of the National Electricity Amendment (Enhancement to the Reliability and Emergency Reserve Trader) Rule 2019 No. 3 will commence operation on 31 October 2019.

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.

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.

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 the 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.

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

TABLE OF CONTENTS

- 1. Introduction..... 3**
- 1.1 Preliminary 3**
 - 1.1.1 References to the Rules..... 3
 - 1.1.2 Italicised expressions 3
 - 1.1.3 [Deleted] 3
- 1.2 Background 3**
- 1.3 Nomenclature of and references to provisions of a Chapter..... 3**
 - 1.3.1 Introduction..... 3
 - 1.3.2 Parts, Divisions and Subdivisions..... 3
 - 1.3.3 Rules, clauses, paragraphs, subparagraphs and other items..... 4
- 1.4 Effect of renumbering of provisions of the Rules 5**
- 1.5 [Deleted] 5**
- 1.6 [Deleted] 5**
- 1.7 Interpretation 5**
 - 1.7.1 General..... 5
- 1.8 Notices 6**
 - 1.8.1 Service of notices under the Rules..... 6
 - 1.8.2 Time of service 7
 - 1.8.3 Counting of days 7
 - 1.8.4 Reference to addressee..... 7
- 1.9 Retention of Records and Documents 8**
- 1.10 [Deleted] 8**
- 1.11 AEMO Rule Funds 8**

- 2. Registered Participants and Registration..... 13**
- 2.1 Registered Participants 13**
 - 2.1.1 Purpose..... 13
 - 2.1.2 General..... 13
- 2.2 Generator 13**
 - 2.2.1 Registration as a Generator 13
 - 2.2.2 Scheduled Generator 15
 - 2.2.3 Non-Scheduled Generator..... 16
 - 2.2.4 Market Generator 16
 - 2.2.5 Non-Market Generator 17
 - 2.2.6 Ancillary services generating unit 17
 - 2.2.7 Semi-Scheduled Generator 19
- 2.3 Customer..... 21**
 - 2.3.1 Registration as a Customer 21
 - 2.3.2 First-Tier Customer..... 22
 - 2.3.3 Second-Tier Customer 22

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

Part A Region change applications and region determinations by AEMC 55

2A.1 Introduction to Chapter 2A 55

2A.1.1 Definitions..... 55

2A.1.2 AEMC determination of regions..... 55

2A.1.3 Publication of regions by AEMO 55

2A.2 Region change applications 55

2A.2.1 A complete region change application..... 55

2A.2.2 Identifying a congestion problem 56

2A.2.3 Explanation of economic efficiency of proposed region solution 56

2A.2.4 Region change application must be technically competent 57

2A.2.5 Alternative congestion management options 57

2A.2.6 Previous application relating to congestion problem..... 58

2A.2.7 AEMO to provide information to intending applicants 58

2A.2.8 AEMC may refuse to accept incomplete applications..... 59

2A.3 Acceptance of region change application by AEMC 59

2A.3.1 Acceptance of a region change application by AEMC 59

2A.3.2 Preliminary consultation prior to acceptance of a region change application..... 60

2A.4 First round consultation on region change application..... 61

2A.4.1 Notice of first round consultation 61

2A.4.2 Right to make written submissions during first round consultation period 61

2A.4.3 Alternative region solution put forward by third parties 61

2A.4.4 Acceptance as a formal alternative region solution by AEMC..... 62

2A.5 Provision of supplementary economic analysis..... 63

2A.5.1 AEMC may direct provision of supplementary analysis 63

2A.5.2 AEMC may direct AEMO to provide information 63

2A.6 Region determinations..... 64

2A.6.1 AEMC powers to make a region determination 64

2A.6.2 Matters for consideration in making region determination..... 64

2A.7 Draft region determination and second round consultation..... 65

2A.7.1 Publishing of draft region determination 65

2A.7.2 Second round consultation 65

2A.7.3 Right to make written submissions during second round consultation 66

2A.8 Final region determination..... 66

2A.8.1 Final determination for region change 66

2A.8.2 Formal publication of region determination 66

2A.9 Miscellaneous matters for region change process..... 66

2A.9.1 AEMC may extend periods of time specified in Chapter 2A 66

2A.9.2 Consultation meeting in relation to region change application 67

Part B Implementation of region determination..... 67

2A.10 Purpose and application of Part B 67

2A.10.1 Purpose of Part B 67

2A.10.2 Application of Part B 68

2A.11 Region Change Implementation Procedure 68

2A.11.1 Submission of draft Region Change Implementation Procedure..... 68

2A.11.2 Approved Region Change Implementation Procedure 68

2A.12 AEMO region change implementation functions..... 69

2A.12.1 General implementation functions..... 69

2A.12.2 Implementation functions referable to published implementation procedure..... 69

2A.12.3 Amendment of current or subsequent Regions and Loss Factors Publication 69

2A.13 Continuity of regions 69

Schedule 2A.1 Glossary for Chapter 2A 70

3. Market Rules 75

3.1 Introduction to Market Rules 75

3.1.1 Purpose..... 75

3.1.1A Definitions..... 75

3.1.2 [Deleted] 76

3.1.3 [Deleted] 76

3.1.4 Market design principles..... 76

3.1.5 Time for undertaking action..... 77

3.2 AEMO's Market Responsibilities 77

3.2.1 Market functions of AEMO 77

3.2.2 Spot market 78

3.2.3 Power system operations..... 78

3.2.4 Non-market ancillary services function 78

3.2.5 [Deleted] 79

3.2.6 Settlements 79

3.3 Prudential Requirements 79

3.3.1 Market Participant criteria 79

3.3.2 Credit support..... 79

3.3.3 Acceptable credit criteria 80

3.3.4 Acceptable credit rating 81

3.3.4A Prudential standard..... 81

3.3.5 Amount of credit support 81

3.3.6 Changes to credit support..... 81

3.3.7 Drawings on credit support..... 82

3.3.8 Credit limit procedures and prudential settings 83

3.3.8A Security Deposits 85

3.3.9 Outstandings 85

3.3.10 Trading limit 85

3.3.11 Call notices..... 86

3.3.12 Typical accrual..... 87

3.3.13 Response to Call Notices 87

3.3.13A Application of monies in the security deposit fund 88

3.3.14 Potential value of a transaction 89

3.3.15 Trading margin..... 90

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

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

3.12.3	Role of the Independent Expert in calculating payments in relation to intervention by AEMO and market suspension pricing schedule periods.....	186
3.12A	Mandatory restrictions.....	189
3.12A.1	Restriction offers.....	189
3.12A.2	Mandatory restrictions schedule	190
3.12A.3	Acquisition of capacity	191
3.12A.4	Rebid of capacity under restriction offers.....	191
3.12A.5	Dispatch of restriction offers	191
3.12A.6	Pricing during a restriction price trading interval	192
3.12A.7	Determination of funding restriction shortfalls.....	192
3.12A.8	Cancellation of a mandatory restriction period.....	197
3.12A.9	Review by AEMC.....	198
3.13	Market Information.....	198
3.13.1	Provision of information	198
3.13.2	Systems and procedures	199
3.13.3	Standing data.....	200
3.13.4	Spot market	207
3.13.4A	Market ancillary services	212
3.13.5	Ancillary services contracting by AEMO.....	212
3.13.5A	Settlements residue auctions	213
3.13.6	[Deleted]	213
3.13.6A	Report by AEMO.....	213
3.13.7	Monitoring of significant variation between forecast and actual prices by AER.....	214
3.13.8	Public information	215
3.13.9	[Deleted]	216
3.13.10	Market auditor.....	216
3.13.11	[Deleted]	217
3.13.12	NMI Standing Data	217
3.13.12A	NMI Standing Data Schedule	221
3.13.13	Inter-network tests	221
3.13.14	Carbon Dioxide Equivalent Intensity Index	222
3.14	Administered Price Cap and Market Suspension.....	225
3.14.1	Cumulative Price Threshold and Administered Price Cap	225
3.14.2	Application of Administered Price Cap.....	226
3.14.3	Conditions for suspension of the spot market.....	228
3.14.4	Declaration of market suspension.....	229
3.14.5	Pricing during market suspension.....	230
3.14.5A	Payment of compensation due to market suspension pricing schedule periods.....	232
3.14.5B	Claims for additional compensation due to market suspension pricing schedule periods	235
3.14.6	Compensation due to the application of an administered price cap or administered floor price.....	237
3.15	Settlements.....	242
3.15.1	Settlements management by AEMO.....	242
3.15.2	Electronic funds transfer	242
3.15.3	Connection point and virtual transmission node responsibility.....	242

- 3.15.4 Adjusted energy amounts connection points 243
- 3.15.5 Adjusted energy - transmission network connection points 243
- 3.15.5A Adjusted energy - virtual transmission nodes 244
- 3.15.6 Spot market transactions 244
- 3.15.6A Ancillary service transactions 245
- 3.15.7 Payment to Directed Participants 258
- 3.15.7A Payment to Directed Participants for services other than energy and
market ancillary services..... 260
- 3.15.7B Claim for additional compensation by Directed Participants 263
- 3.15.8 Funding of Compensation for directions 265
- 3.15.8A Funding of compensation for market suspension pricing schedule
periods..... 270
- 3.15.9 Reserve settlements..... 271
- 3.15.10 Administered price cap or administered floor price compensation
payments 273
- 3.15.10A Goods and services tax..... 274
- 3.15.10B Restriction contract amounts..... 275
- 3.15.10C Intervention and Market Suspension Pricing Schedule Period
Settlements..... 277
- 3.15.11 Reallocation transactions 280
- 3.15.11A Reallocation procedures 282
- 3.15.12 Settlement amount 283
- 3.15.13 Payment of settlement amount..... 283
- 3.15.14 Preliminary statements 283
- 3.15.15 Final statements 284
- 3.15.15A Use of estimated settlement amounts by AEMO..... 284
- 3.15.16 Payment by market participants..... 284
- 3.15.17 Payment to market participants..... 285
- 3.15.18 Disputes..... 285
- 3.15.19 Revised Statements and Adjustments 285
- 3.15.20 Payment of adjustments 288
- 3.15.21 Default procedure..... 288
- 3.15.22 Maximum total payment in respect of a billing period..... 293
- 3.15.23 Maximum total payment in respect of a financial year..... 294
- 3.15.24 Compensation for reductions under clause 3.15.23 295
- 3.15.25 Interest on overdue amounts 296

- 3.16 Participant compensation fund..... 296**
- 3.16.1 Establishment of Participant compensation fund..... 296
- 3.16.2 Dispute resolution panel to determine compensation 297

- 3.17 [Deleted]..... 299**

- 3.18 Settlements Residue Auctions 299**
- 3.18.1 Settlements residue concepts 299
- 3.18.2 Auctions and eligible persons 300
- 3.18.3 Auction rules 301
- 3.18.3A Secondary trading of SRD units 303
- 3.18.4 Proceeds and fees 303
- 3.18.4A Secondary trading proceeds and margin 304
- 3.18.5 Settlement residue committee 305

- 3.19 Market Management Systems Access Procedures..... 306**

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

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

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

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

5.3A.9	Application for connection	475
5.3A.10	Preparation of offer to connect	476
5.3A.11	Technical Dispute	477
5.3A.12	Network support payments and functions.....	477
5.3AA	Access arrangements relating to Distribution Networks	477
5.3B	Application for connection to declared shared network	481
5.4	Independent Engineer	482
5.4.1	Application.....	482
5.4.2	Establishment of a pool.....	482
5.4.3	Initiating the Independent Engineer process.....	483
5.4.4	Referral to the Adviser.....	483
5.4.5	Proceedings and decisions of the Independent Engineer.....	484
5.4.6	Costs of the Independent Engineer	485
5.4A	[Deleted].....	485
5.4AA	[Deleted].....	486
5.5	Commercial arbitration for prescribed and negotiated transmission services and large DCA services	486
5.5.1	Application.....	486
5.5.2	Notification of dispute	486
5.5.3	Appointment of commercial arbitrator	487
5.5.4	Procedures of commercial arbitrator.....	488
5.5.5	Powers of commercial arbitrator in determining disputes	488
5.5.6	Determination of disputes	490
5.5.7	Costs of dispute.....	491
5.5.8	Enforcement of agreement or determination and requirement for reasons.....	491
5.5.9	Miscellaneous	491
5.5A	[Deleted].....	492
Part C	Post-Connection Agreement matters	492
5.6	Design of Connected Equipment	492
5.6.1	Application.....	492
5.6.2	Advice of inconsistencies	492
5.6.3	Additional information.....	493
5.6.4	Advice on possible non-compliance	493
5.6A	[Deleted].....	493
5.7	Inspection and Testing.....	493
5.7.1	Right of entry and inspection.....	493
5.7.2	Right of testing.....	495
5.7.3	Tests to demonstrate compliance with connection requirements for generators.....	497
5.7.3A	Tests to demonstrate compliance with system strength remediation schemes	499
5.7.4	Routine testing of protection equipment.....	500
5.7.5	Testing by Registered Participants of their own plant requiring changes to normal operation	502

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

- 5.15 Regulatory investment tests generally 541**
- 5.15.1 Interested parties 541
- 5.15.2 Identification of a credible option..... 541
- 5.15.3 Review of costs thresholds..... 542
- 5.15.4 Costs determinations 544

- 5.16 Regulatory investment test for transmission..... 545**
- 5.16.1 Principles..... 545
- 5.16.2 Regulatory investment test for transmission application guidelines..... 548
- 5.16.3 Investments subject to the regulatory investment test for transmission 549
- 5.16.4 Regulatory investment test for transmission procedures 552
- 5.16.5 Disputes in relation to application of regulatory investment test for transmission 559
- 5.16.6 Determination that preferred option satisfies the regulatory investment test for transmission..... 561

- 5.17 Regulatory investment test for distribution 562**
- 5.17.1 Principles..... 562
- 5.17.2 Regulatory investment test for distribution application guidelines 564
- 5.17.3 Projects subject to the regulatory investment test for distribution..... 566
- 5.17.4 Regulatory investment test for distribution procedures 567
- 5.17.5 Disputes in relation to application of regulatory investment test for distribution 573

- 5.18 Construction of funded augmentations..... 575**
- 5.18A Large generator connections..... 575**
- 5.18A.1 Definitions..... 575
- 5.18A.2 Register of large generator connections..... 576
- 5.18A.3 Impact assessment of large generator connections 577

- 5.18B Completed embedded generation projects 578**
- 5.18B.1 Definitions..... 578
- 5.18B.2 Register of completed embedded generation projects 578

- 5.19 SENE Design and Costing Study 579**
- 5.19.1 Definitions..... 579
- 5.19.2 Interpretation..... 580
- 5.19.3 Request for SENE Design and Costing Study 580
- 5.19.4 Content of SENE Design and Costing Study..... 581
- 5.19.5 Co-operation of other Network Service Providers..... 582
- 5.19.6 Publication of SENE Design and Costing Study report..... 583
- 5.19.7 Provision and use of information 583

- 5.20 National transmission planning 584**
- 5.20.1 Preliminary consultation 584
- 5.20.2 Publication of NTNDP..... 585
- 5.20.3 Development strategies for national transmission flow paths 587
- 5.20.4 NTNDP database 588
- 5.20.5 Jurisdictional planning bodies and jurisdictional planning representatives..... 589
- 5.20.6 NTP Functions 589
- 5.20.7 Inertia and system strength requirements methodologies 589

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

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

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

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

5A.E.2	Itemised statement of connection charges	760
5A.E.3	Connection charge guidelines	760
5A.E.4	Payment of connection charges.....	762
Part F	Formation and integration of connection contracts	763
Division 1	Offer and acceptance – basic and standard connection services	763
5A.F.1	Distribution Network Service Provider’s response to application.....	763
5A.F.2	Acceptance of connection offer	763
5A.F.3	Offer and acceptance—application for expedited connection	763
Division 2	Offer and acceptance – negotiated connection	764
5A.F.4	Negotiated connection offer	764
Division 3	Formation of contract.....	765
5A.F.5	Acceptance of connection offer	765
Division 4	Contractual performance.....	765
5A.F.6	Carrying out connection work	765
5A.F.7	Retailer required for energisation where new connection	766
Part G	Dispute resolution between Distribution Network Service Providers and customers	766
5A.G.1	Relevant disputes	766
5A.G.2	Determination of dispute.....	766
5A.G.3	Termination of proceedings	767
SCHEDULE 5A.1 – Minimum content requirements for connection contract.....		767
Part A	Connection offer not involving embedded generation.....	767
Part B	Connection offer involving embedded generation.....	768
6.	Economic Regulation of Distribution Services	773
Part A	Introduction.....	773
6.1	Introduction to Chapter 6	773
6.1.1	AER's regulatory responsibility	773
6.1.1A	[Deleted]	773
6.1.2	Structure of this Chapter	773
6.1.3	Access to direct control services and negotiated distribution services.....	774
6.1.4	Prohibition of DUOS charges for the export of energy	774
Part B	Classification of Distribution Services and Distribution Determinations	775
6.2	Classification	775
6.2.1	Classification of distribution services	775
6.2.2	Classification of direct control services as standard control services or alternative control services	775
6.2.3	Term for which classification operates	776
6.2.3A	Distribution Service Classification Guidelines	777
6.2.4	Duty of AER to make distribution determinations	777
6.2.5	Control mechanisms for direct control services.....	778

6.2.6	Basis of control mechanisms for direct control services	779
6.2.7	Negotiated distribution services.....	779
6.2.8	Guidelines	779
Part C	Building Block Determinations for standard control services.....	780
6.3	Building block determinations.....	780
6.3.1	Introduction.....	780
6.3.2	Contents of building block determination.....	781
6.4	Post-tax revenue model.....	781
6.4.1	Preparation, publication and amendment of post-tax revenue model.....	781
6.4.2	Contents of post-tax revenue model	781
6.4.3	Building block approach	782
6.4.4	Shared assets	783
6.4.5	Expenditure Forecast Assessment Guidelines	784
6.4A	Capital expenditure incentive mechanisms	785
6.4B	Asset exemptions	786
6.4B.1	Asset exemption decisions and Asset Exemption Guidelines	786
6.4B.2	Exemption applications.....	787
6.5	Matters relevant to the making of building block determinations.....	787
6.5.1	Regulatory asset base	787
6.5.2	Return on capital	788
6.5.3	Estimated cost of corporate income tax	789
6.5.4	[Deleted]	789
6.5.5	Depreciation.....	789
6.5.6	Forecast operating expenditure	790
6.5.7	Forecast capital expenditure	792
6.5.8	Efficiency benefit sharing scheme	797
6.5.8A	Capital expenditure sharing scheme	798
6.5.9	The X factor	799
6.5.10	Pass through events.....	800
6.6	Adjustments after making of building block determination.	800
6.6.1	Cost pass through.....	800
6.6.1A	Reporting on jurisdictional schemes.....	808
6.6.2	Service target performance incentive scheme.....	809
6.6.3	Demand management incentive scheme	810
6.6.3A	Demand management innovation allowance mechanism	812
6.6.4	Small-scale incentive scheme	813
6.6.5	Reopening of distribution determination for capital expenditure	814
6.6A	Contingent Projects	818
6.6A.1	Acceptance of a contingent project in a distribution determination	818
6.6A.2	Amendment of distribution determination for contingent project	819
Part D	Negotiated distribution services.....	825
6.7	Negotiated distribution services.....	825
6.7.1	Principles relating to access to negotiated distribution services	825
6.7.2	Determination of terms and conditions of access for negotiated distribution services	827

6.7.3 Negotiating framework determination 827

6.7.4 Negotiated Distribution Service Criteria determination 827

6.7.5 Preparation of and requirements for negotiating framework for
negotiated distribution services..... 828

6.7.6 Confidential information..... 830

Part DA Connection policies 831

6.7A Connection policy requirements 831

6.7A.1 Preparation of, and requirements for, connection policy 831

Part E Regulatory proposal and proposed tariff structure statement 832

6.8 Regulatory proposal and proposed tariff structure statement 832

6.8.1 AER's framework and approach paper 832

6.8.1A Notification of approach to forecasting expenditure 834

6.8.2 Submission of regulatory proposal, tariff structure statement and
exemption application 835

6.9 Preliminary examination and consultation 837

6.9.1 Preliminary examination 837

6.9.2 Resubmission of proposal 838

6.9.2A Confidential information..... 838

6.9.3 Consultation 838

6.10 Draft distribution determination and further consultation 839

6.10.1 Making of draft distribution determination..... 839

6.10.2 Publication of draft determination and consultation 840

6.10.3 Submission of revised proposal 840

6.10.4 Submissions on specified matters 841

6.11 Distribution determination 841

6.11.1 Making of distribution determination 841

6.11.1A Out of scope revised regulatory proposal or late submissions..... 842

6.11.2 Notice of distribution determination 843

6.11.3 Commencement of distribution determination 843

**6.12 Requirements relating to draft and final distribution
determinations..... 843**

6.12.1 Constituent decisions 843

6.12.2 Reasons for decisions..... 847

6.12.3 Extent of AER's discretion in making distribution determinations 848

**6.13 Revocation and substitution of distribution determination for
wrong information or error 849**

6.14 Miscellaneous..... 850

6.14A Distribution Confidentiality Guidelines..... 851

Part F Cost Allocation 851

6.15 Cost allocation 851

6.15.1 Duty to comply with Cost Allocation Method..... 851

6.15.2 Cost Allocation Principles 851

6.15.3 Cost Allocation Guidelines 852

6.15.4 Cost Allocation Method 853

Part G **Distribution consultation procedures..... 854**

6.16 **Distribution consultation procedures..... 854**

Part H **Ring-Fencing Arrangements for Distribution Network Service Providers..... 856**

6.17 **Distribution Ring-Fencing Guidelines 856**

6.17.1 Compliance with Distribution Ring-Fencing Guidelines 856

6.17.2 Development of Distribution Ring-Fencing Guidelines 856

Part I **Distribution Pricing Rules..... 857**

6.18 **Distribution Pricing Rules..... 857**

6.18.1 Application of this Part 857

6.18.1A Tariff structure statement 857

6.18.1B Amending a tariff structure statement with the AER's approval 858

6.18.1C Sub-threshold tariffs..... 859

6.18.2 Pricing proposals..... 860

6.18.3 Tariff classes 862

6.18.4 Principles governing assignment or re-assignment of retail customers to tariff classes and assessment and review of basis of charging..... 862

6.18.5 Pricing principles 863

6.18.6 Side constraints on tariffs for standard control services 865

6.18.7 Recovery of designated pricing proposal charges 866

6.18.7A Recovery of jurisdictional scheme amounts 866

6.18.8 Approval of pricing proposal 870

6.18.9 Publication of information about tariffs and tariff classes..... 872

6.19. **Data Required for Distribution Service Pricing 872**

6.19.1 Forecast use of networks by Distribution Customers and Embedded Generators 872

6.19.2 Confidentiality of distribution network pricing information 872

Part J **Billing and Settlements 873**

6.20 **Billing and Settlements Process 873**

6.20.1 Billing for distribution services 873

6.20.2 Minimum information to be provided in distribution network service bills 875

6.20.3 Settlement between Distribution Network Service Providers 875

6.20.4 Obligation to pay..... 875

Part K **Prudential requirements, capital contributions and prepayments 876**

6.21 **Distribution Network Service Provider Prudential Requirements..... 876**

6.21.1 Prudential requirements for distribution network service..... 876

6.21.2 Capital contributions, prepayments and financial guarantees..... 877

6.21.3 Treatment of past prepayments and capital contributions 877

Part L **Dispute resolution 877**

6.22 **Dispute Resolution 877**

6.22.1 Dispute Resolution by the AER..... 877

6.22.2 Determination of dispute..... 878

6.22.3 Termination of access dispute without access determination 879

Part M Separate disclosure of transmission and distribution charges 880

6.23 Separate disclosure of transmission and distribution charges 880

Part N Dual Function Assets 881

6.24 Dual Function Assets 881

6.24.1 Application of this Part 881

6.24.2 Dual Function Assets 881

6.25 AER determination of applicable pricing regime for Dual Function Assets..... 881

6.26 Division of Distribution Network Service Provider's revenue..... 882

Part O Annual Benchmarking Report..... 884

6.27 Annual Benchmarking Report..... 884

Part P Distribution Reliability Measures Guidelines 884

6.28 Distribution Reliability Measures Guidelines 884

Schedule 6.1 Contents of building block proposals..... 884

S6.1.1 Information and matters relating to capital expenditure 884

S6.1.2 Information and matters relating to operating expenditure..... 886

S6.1.3 Additional information and matters 886

Schedule 6.2 Regulatory Asset Base 889

S6.2.1 Establishment of opening regulatory asset base for a regulatory control period 889

S6.2.2 Prudency and efficiency of capital expenditure..... 894

S6.2.2A Reduction for inefficient past capital expenditure 894

S6.2.2B Depreciation..... 897

S6.2.3 Roll forward of regulatory asset base within the same regulatory control period 897

6A. Economic Regulation of Transmission Services 901

Part A Introduction..... 901

6A.1 Introduction to Chapter 6A 901

6A.1.1 Economic regulation of transmission services generally..... 901

6A.1.2 [Deleted] 902

6A.1.3 [Deleted] 902

6A.1.4 National regulatory arrangements..... 902

6A.1.5 Application of Chapter 6A to Market Network Service Providers..... 902

6A.1.6 Application of Chapter 6A to AEMO and declared transmission system operators..... 902

Part B Transmission Determinations Generally 903

6A.2 Transmission determinations..... 903

6A.2.1 Duty of AER to make transmission determinations 903

6A.2.2 Components of transmission determinations 903

6A.2.3 Guidelines 903

Part C	Regulation of Revenue - Prescribed Transmission Services	904
6A.3	Allowed revenue from prescribed transmission services	904
6A.3.1	Allowed revenue for regulatory year	904
6A.3.2	Adjustment of maximum allowed revenue	904
6A.4	Revenue determinations	905
6A.4.1	Introduction	905
6A.4.2	Contents of revenue determination	905
6A.5	Post-tax revenue model.....	906
6A.5.1	Introduction	906
6A.5.2	Preparation, publication and amendment of post-tax revenue model.....	906
6A.5.3	Contents of post-tax revenue model	907
6A.5.4	Building blocks approach	908
6A.5.5	Shared assets	909
6A.5.6	Expenditure Forecast Assessment Guidelines	910
6A.5A	Capital expenditure incentive mechanisms	910
6A.6	Matters relevant to the making of revenue determinations.....	911
6A.6.1	Regulatory asset base	911
6A.6.2	Return on capital	912
6A.6.3	Depreciation	913
6A.6.4	Estimated cost of corporate income tax	914
6A.6.5	Efficiency benefit sharing scheme	914
6A.6.5A	Capital expenditure sharing scheme	916
6A.6.6	Forecast operating expenditure	917
6A.6.7	Forecast capital expenditure	920
6A.6.8	The X factor	924
6A.6.9	Pass through events.....	924
6A.7	Matters relevant to the adjustment of revenue cap after making of revenue determination	925
6A.7.1	Reopening of revenue determination for capital expenditure.....	925
6A.7.2	Network support pass through	928
6A.7.3	Cost pass through.....	930
6A.7.4	Service target performance incentive scheme.....	936
6A.7.5	Small-scale incentive scheme	937
6A.8	Contingent Projects	938
6A.8.1	Acceptance of a Contingent Project in a revenue determination.....	938
6A.8.2	Amendment of revenue determination for contingent project.....	940
Part D	[Deleted]	945
Part E	Procedure - Revenue determinations and pricing methodologies	945
6A.10	Revenue Proposal and proposed pricing methodology	945
6A.10.1A	AER's framework and approach paper	945
6A.10.1B	Notification of approach to forecasting expenditure	947
6A.10.1	Submission of proposal, pricing methodology and information.....	947
6A.10.2	[Deleted]	948
6A.11	Preliminary examination and consultation	948

6A.11.1	Preliminary examination and determination of non-compliance with relevant requirements.....	948
6A.11.2	Resubmission of proposal, framework, pricing methodology or information.....	949
6A.11.2A	Confidential information.....	950
6A.11.3	Consultation	950
6A.12	Draft decision and further consultation.....	951
6A.12.1	Making of draft decision	951
6A.12.2	Publication of draft decision and consultation.....	952
6A.12.3	Submission of revised proposal or pricing methodology	952
6A.12.4	Submissions on specified matters	953
6A.13	Final decision.....	954
6A.13.1	Making of final decision	954
6A.13.2	Refusal to approve amounts, values, framework or pricing methodology	954
6A.13.2A	Out of scope revised documents or late submissions.....	955
6A.13.3	Notice of final decision	956
6A.13.4	Making of transmission determination	956
6A.14	Requirements relating to draft and final decisions.....	956
6A.14.1	Contents of decisions	956
6A.14.2	Reasons for decisions.....	958
6A.14.3	Circumstances in which matters must be approved or accepted.....	959
6A.15	Revocation of revenue determination or amendment of pricing methodology for wrong information or error	961
6A.16	Miscellaneous.....	962
6A.16A	Transmission Confidentiality Guidelines	963
Part F	Information Disclosure.....	963
6A.17	Information disclosure by Transmission Network Service Providers.....	963
6A.17.1	Information to be provided to AER	963
6A.17.2	Information Guidelines	964
6A.18	[Deleted].....	966
Part G	Cost Allocation	966
6A.19	Cost allocation	966
6A.19.1	Duty to comply with Cost Allocation Methodology.....	966
6A.19.2	Cost Allocation Principles	966
6A.19.3	Cost Allocation Guidelines	967
6A.19.4	Cost Allocation Methodology.....	968
Part H	Transmission Consultation Procedures	969
6A.20	Transmission consultation procedures	969
Part I	Ring-Fencing Arrangements for Transmission Network Service Providers.....	971
6A.21	Transmission Ring-Fencing Guidelines	971
6A.21.1	Compliance with Transmission Ring-Fencing Guidelines	971

6A.21.2 Development of Transmission Ring-Fencing Guidelines..... 971

Part J Prescribed Transmission Services - Regulation of Pricing 972

6A.22 Terms used in Part J 972

6A.22.1 Aggregate annual revenue requirement (AARR) 972

6A.22.2 Annual service revenue requirement (ASRR) 973

6A.22.3 Meaning of attributable cost share 973

6A.22.4 Meaning of attributable connection point cost share 973

6A.23 Pricing Principles for Prescribed Transmission Services 974

6A.23.1 Introduction..... 974

6A.23.2 Principles for the allocation of the aggregate annual revenue requirement 974

6A.23.3 Principles for the allocation of the annual service revenue requirement to connection points..... 975

6A.23.4 Principles for the recovery of the Annual Service Revenue Requirement as prices 978

6A.24 Pricing methodology 979

6A.24.1 Pricing methodologies generally..... 979

6A.24.2 Publication of pricing methodology and transmission network prices 981

6A.24.3 Basis for setting prices pending approval of pricing methodology 981

6A.24.4 Basis for setting prices pending approval of maximum allowed revenue 982

6A.25 Pricing methodology guidelines for prescribed transmission services 983

6A.25.1 Making and amending of pricing methodology guidelines 983

6A.25.2 Contents of pricing methodology guidelines 983

6A.26 Prudent discounts..... 984

6A.26.1 Agreements for prudent discounts for prescribed transmission services..... 984

6A.26.2 Application to AER for approval of proposed prudent discount amounts 986

6A.27 Billing Process 987

6A.27.1 Billing for prescribed transmission services 987

6A.27.1A Billing of modified load export charges 988

6A.27.2 Minimum information to be provided in network service bills 988

6A.27.3 Obligation to pay charges for prescribed transmission services 988

6A.27.4 Payments between Transmission Network Service Providers in the same region 988

6A.27.5 Calculation of financial transfers between Transmission Network Service Providers in the same region..... 989

6A.28 Prudential Requirements 989

6A.28.1 Prudential Requirements for prescribed transmission services 989

6A.28.2 Capital contribution or prepayment for a specific asset..... 989

6A.28.3 Treatment of past capital contributions..... 990

6A.29 Multiple Transmission Network Service Providers..... 990

6A.29.1 Multiple Transmission Network Service Providers within a region..... 990

6A.29.2	Single Transmission Network Service Provider within a region.....	991
6A.29.3	Allocation over several regions	991
6A.29A	Modified load export charges	991
6A.29A.1	Single Transmission Network Service Provider in a Region.....	991
6A.29A.2	Calculation of the modified load export charges	992
6A.29A.3	Calculation of adjustments to the modified load export charge	992
6A.29A.4	Billing the modified load export charge	992
6A.29A.5	Allocation and billing process where multiple Transmission Network Service Providers in a Region.....	993
Part K	Commercial arbitration for disputes about terms and conditions of access for prescribed and negotiated transmission services	994
[Deleted]	994	
Part L	Annual Benchmarking Report.....	994
6A.31	Annual Benchmarking Report.....	994
Schedule 6A.1	Contents of Revenue Proposals.....	994
S6A.1.1	Information and matters relating to capital expenditure	994
S6A.1.2	Information and matters relating to operating expenditure.....	995
S6A.1.3	Additional information and matters	996
Schedule 6A.2	Regulatory Asset Base	999
S6A.2.1	Establishment of opening regulatory asset base for a regulatory control period	999
S6A.2.2	Prudency and efficiency of capital expenditure.....	1004
S6A.2.2A	Reduction for inefficient past capital expenditure	1004
S6A.2.2B	Depreciation.....	1007
S6A.2.3	Removal of assets from regulatory asset base	1007
S6A.2.4	Roll forward of regulatory asset base within the same regulatory control period	1009
Schedule 6A.3	CRNP methodology and modified CRNP methodology.....	1010
S6A.3.1	Meaning of optimised replacement cost	1010
S6A.3.2	CRNP methodology	1010
S6A.3.3	Modified CRNP methodology	1011
Schedule 6A.4	Application of this Chapter to AEMO and declared transmission system operators.....	1011
S6A.4.1	Application of this Chapter to AEMO etc	1011
S6A.4.2	Exclusions, qualifications and modifications	1011
6B	Retail markets	1021
Part A	Retail support.....	1021
Division 1	Application and definitions	1021
6B.A1.1	Application of this Part	1021
6B.A1.2	Definitions.....	1021
Division 2	Billing and payment rules	1022
6B.A2.1	Obligation to pay.....	1022
6B.A2.2	Direct customer billing and energy-only contracts	1022

6B.A2.3	Calculating network charges	1022
6B.A2.4	Statement of charges	1022
6B.A2.5	Time and manner of payment	1023
Division 3	Matters incidental to billing and payment.....	1023
6B.A3.1	Adjustment of network charges	1023
6B.A3.2	Tariff reassignment	1024
6B.A3.3	Disputed statements of charges.....	1025
6B.A3.4	Interest.....	1026
6B.A3.5	Notification of changes to charges.....	1026
Part B	Credit support required for late payment	1026
Division 1	Application and definitions	1027
6B.B1.1	Application of Part B	1027
6B.B1.2	Definitions.....	1027
Division 2	Requirements for credit support	1027
6B.B2.1	Distribution Network Service Provider may require credit support in limited circumstances	1027
Division 3	Provision of credit support by retailers	1028
6B.B3.1	Retailer to provide credit support	1028
6B.B3.2	Acceptable form of credit support	1028
Division 4	Other Rules relating to credit support.....	1029
6B.B4.1	Application of credit support	1029
6B.B4.2	Return of credit support	1029
6B.B4.3	Other retailer obligations	1029
Schedule 6B.1	Prescribed form of unconditional undertaking for credit support	1030
7.	Metering.....	1033
Part A	Introduction.....	1033
7.1	Introduction to the Metering Chapter	1033
7.1.1	Contents	1033
Part B	Roles and Responsibilities	1033
7.2	Role and Responsibility of financially responsible Market Participant	1033
7.2.1	Obligations of financially responsible Market Participants to establish metering installations	1033
7.2.2	[Not used].....	1034
7.2.3	Agreements with Local Network Service Provider	1034
7.2.4	[Not used].....	1035
7.2.5	Agreements with Metering Provider.....	1035
7.3	Role and Responsibility of Metering Coordinator.....	1035
7.3.1	Responsibility of the Metering Coordinator	1035
7.3.2	Role of the Metering Coordinator.....	1035
7.4	Qualification and Registration of Metering Providers, Metering Data Providers and Embedded Network Managers.....	1039

7.4.1	Qualifications and registration of Metering Providers.....	1039
7.4.2	Qualifications and registration of Metering Data Providers	1040
7.4.2A	Qualifications and registration of Embedded Network Managers.....	1041
7.4.2B	List of Embedded Network Managers	1041
7.4.3	Nature of appointment of Metering Provider or Metering Data Provider.....	1041
7.4.4	Deregistration of Metering Providers, Metering Data Providers and Embedded Network Managers.....	1042
7.5	Role and Responsibility of AEMO	1043
7.5.1	Responsibility of AEMO for the collection, processing and delivery of metering data	1043
7.5.2	AEMO's costs in connection with metering installation.....	1044
7.5A	Role and Responsibility of Embedded Network Managers	1044
7.5A.1	Responsibility of Embedded Network Managers for management services	1044
7.5A.2	EN information	1045
Part C	Appointment of Metering Coordinator	1045
7.6	Appointment of Metering Coordinator	1045
7.6.1	Commercial nature of the Metering Coordinator appointment and service provision	1045
7.6.2	Persons who may appoint Metering Coordinators.....	1046
7.6.3	Appointment with respect to transmission network connection	1047
7.6.4	Type 7 metering installations.....	1047
7.7	Metering Coordinator default arrangements.....	1048
7.7.1	Obligations of financially responsible Market Participants on Metering Coordinator default event and end of contract term.....	1048
7.7.2	Notices to be provided by Metering Coordinator	1049
7.7.3	AEMO may issue breach notice	1050
Part D	Metering installation.....	1051
7.8	Metering installation arrangements.....	1051
7.8.1	Metering installation requirements	1051
7.8.2	Metering installation components.....	1051
7.8.3	Small customer metering installations	1056
7.8.4	Type 4A metering installation	1056
7.8.5	Emergency management.....	1058
7.8.6	Network devices.....	1058
7.8.7	Metering point.....	1061
7.8.8	Metering installation types and accuracy.....	1062
7.8.9	Meter churn	1062
7.8.10	Metering installation malfunctions	1064
7.8.10A	Timeframes for meters to be installed – new connection	1065
7.8.10B	Timeframes for meters to be installed – where a connection service is not required	1066
7.8.10C	Timeframes for meters to be installed – where a connection alteration is required	1067
7.8.11	Changes to metering equipment, parameters and settings within a metering installation.....	1068

7.8.12	Special site or technology related conditions.....	1069
7.8.13	Joint metering installations	1070
7.9	Inspection, Testing and Audit of Metering installations	1070
7.9.1	Responsibility for testing	1070
7.9.2	Actions in event of non-compliance	1073
7.9.3	Audits of information held in metering installations	1073
7.9.4	Errors found in metering tests, inspections or audits.....	1074
7.9.5	Retention of test records and documents	1075
7.9.6	Metering installation registration process.....	1076
Part E	Metering Data.....	1076
7.10	Metering Data Services.....	1076
7.10.1	Metering Data Services	1076
7.10.2	Data management and storage	1077
7.10.3	Provision of metering data to certain persons.....	1078
7.10.4	Use of check metering data.....	1079
7.10.5	Periodic energy metering	1079
7.10.6	Time settings.....	1080
7.10.7	Metering data performance standards.....	1081
7.11	Metering data and database.....	1082
7.11.1	Metering database	1082
7.11.2	Data validation, substitution and estimation.....	1083
7.11.3	Changes to energy data or to metering data.....	1084
7.12	Register of Metering Information	1085
7.12.1	Metering register.....	1085
7.12.2	Metering register discrepancy.....	1085
7.13	Disclosure of NMI information.....	1085
7.13.1	Application of this Rule	1085
7.13.2	NMI and NMI checksum	1085
7.13.3	NMI Standing Data	1086
7.14	Metering data provision to retail customers	1086
Part F	Security of metering installation and energy data	1087
7.15	Security of metering installation and energy data	1087
7.15.1	Confidentiality	1087
7.15.2	Security of metering installations	1087
7.15.3	Security controls for energy data	1088
7.15.4	Additional security controls for small customer metering installations	1090
7.15.5	Access to data	1091
PART G	Procedures	1093
7.16	Procedures	1093
7.16.1	Obligation to establish, maintain and publish procedures	1093
7.16.2	Market Settlement and Transfer Solution Procedures	1093
7.16.3	Requirements of the metrology procedure.....	1094
7.16.4	Jurisdictional metrology material in metrology procedure.....	1095
7.16.5	Additional metrology procedure matters	1096

7.16.6	Requirements of the service level procedures	1098
7.16.6A	Requirements of the ENM service level procedures.....	1099
7.16.6B	Guide to embedded networks.....	1100
7.16.7	Amendment of procedures in the Metering Chapter.....	1101
7.16.8	National Measurement Act	1102
Part H	B2B Requirements	1102
7.17	B2B Arrangements.....	1102
7.17.1	B2B e-Hub	1102
7.17.2	B2B e-Hub Participants	1103
7.17.3	Content of the B2B Procedures.....	1103
7.17.4	Changing B2B Procedures	1104
7.17.5	B2B Decision	1107
7.17.6	Establishment of Information Exchange Committee.....	1108
7.17.7	Functions and powers of Information Exchange Committee	1109
7.17.8	Obligations of Members	1110
7.17.9	Meetings of Information Exchange Committee.....	1111
7.17.10	Nomination, election and appointment of Members.....	1112
7.17.11	Qualifications of Members	1113
7.17.12	Information Exchange Committee Election Procedures and Information Exchange Committee Operating Manual.....	1114
7.17.13	Cost Recovery.....	1115
Schedule 7.1	Metering register.....	1115
S7.1.1	General.....	1115
S7.1.2	Metering register information	1115
Schedule 7.2	Metering Provider.....	1117
S7.2.1	General.....	1117
S7.2.2	Categories of registration	1117
S7.2.3	Capabilities of Metering Providers for metering installations types 1, 2, 3, 4 and 4A	1119
S7.2.4	Capabilities of Metering Providers for metering installations types 5 and 6.....	1121
S7.2.5	Capabilities of Metering Providers for small customer metering installations	1122
S7.2.6	Capabilities of the Accredited Service Provider category	1122
Schedule 7.3	Metering Data Provider	1122
S7.3.1	General.....	1122
S7.3.2	Categories of registration.....	1123
S7.3.3	Capabilities of Metering Data Providers.....	1123
S7.3.4	Capabilities of Metering Data Providers for small customer metering installations	1125
Schedule 7.4	Types and Accuracy of Metering installations.....	1125
S7.4.1	General requirements	1125
S7.4.2	Metering installations commissioned prior to 13 December 1998	1126
S7.4.3	Accuracy requirements for metering installations	1126
S7.4.4	Check metering	1132
S7.4.5	Resolution and accuracy of displayed or captured data.....	1133
S7.4.6	General design standards	1133
S7.4.6.1	Design requirements	1133

S7.4.6.2 Design guidelines 1134

Schedule 7.5 Requirements of minimum services specification 1135

S7.5.1 Minimum services specification 1135

Schedule 7.6 Inspection and Testing Requirements..... 1138

S7.6.1 General 1138

S7.6.2 Technical Guidelines 1140

Schedule 7.7 Embedded Network Managers 1141

S7.7.1 General 1141

S7.7.2 Capabilities of Embedded Network Managers 1141

8. Administrative Functions..... 1145

Part A Introductory 1145

8.1 Administrative functions 1145

8.1.1 [Deleted] 1145

8.1.2 [Deleted] 1145

8.1.3 Structure of this Chapter 1145

Part B Disputes 1146

8.2 Dispute Resolution 1146

8.2.1 Application and guiding principles 1146

8.2.2 The Dispute Resolution Adviser 1149

8.2.3 Dispute management systems of Registered Participants and
AEMO 1150

8.2.4 Stage 1 - dispute resolution through Registered Participants’ DMS 1151

8.2.5 Stage 2 - dispute resolution process 1153

8.2.6A Establishment of Dispute Resolution Panel 1154

8.2.6B Parties to DRP Proceedings 1155

8.2.6C Proceedings of the DRP 1156

8.2.6D Decisions of the DRP 1157

8.2.6 [Deleted] 1157

8.2.7 Legal representation 1157

8.2.8 Cost of dispute resolution 1158

8.2.9 Effect of resolution 1158

8.2.10 Recording and publication 1159

8.2.11 Appeals on questions of law 1159

8.2.12 [Deleted] 1159

8.2A B2B Determination Disputes..... 1159

8.2A.1 Application of rule 8.2 1159

8.2A.2 How rule 8.2 applies 1159

8.3 Power to make Electricity Procedures 1162

8.4 [Deleted] 1163

8.5 [Deleted] 1163

Part C Registered Participants' confidentiality obligations 1163

8.6 Confidentiality 1163

8.6.1 Confidentiality 1163

8.6.1A	Application.....	1164
8.6.2	Exceptions.....	1164
8.6.3	Conditions.....	1166
8.6.4	[Deleted]	1166
8.6.5	Indemnity to AER, AEMC and AEMO.....	1166
8.6.6	AEMO information.....	1166
8.6.7	Information on Rules Bodies	1166
Part D	Monitoring and reporting	1167
8.7	Monitoring and Reporting	1167
8.7.1	Monitoring	1167
8.7.2	Reporting requirements and monitoring standards for Registered Participants and AEMO	1167
8.7.3	Consultation required for making general regulatory information order (Section 28H of the NEL).....	1169
8.7.4	Preparation of network service provider performance report (Section 28V of the NEL).....	1170
8.7.5	[Deleted]	1171
8.7.6	Recovery of reporting costs	1171
Part E	Reliability panel	1171
8.8	Reliability Panel	1171
8.8.1	Purpose of Reliability Panel.....	1171
8.8.2	Constitution of the Reliability Panel.....	1173
8.8.3	Reliability Panel review process.....	1176
8.8.4	Determination of protected events	1178
Part F	Rules consultation procedures	1180
8.9	Rules Consultation Procedures.....	1180
Part G	Consumer advocacy funding.....	1182
8.10	Consumer advocacy funding obligation	1182
Part H	Augmentations.....	1183
8.11	Augmentations.....	1183
8.11.1	Application.....	1183
8.11.2	Object.....	1183
8.11.3	Definitions.....	1184
8.11.4	Planning criteria	1184
8.11.5	Construction of augmentation that is not a contestable augmentation.....	1185
8.11.6	Contestable augmentations	1185
8.11.7	Construction and operation of contestable augmentation.....	1186
8.11.8	Funded augmentations that are not subject to the tender process.....	1188
8.11.9	Contractual requirements and principles	1189
8.11.10	Annual planning review	1189
Schedule 8.11	Principles to be reflected in agreements relating to contestable augmentations	1189
S8.11.1	Risk allocation	1189

S8.11.2	Minimum requirements for agreements relating to contestable augmentation.....	1191
S8.11.3	Matters to be dealt with in relevant agreements	1191
Part I	Values of customer reliability	1192
8.12	Development of methodology and publication of values of customer reliability	1192
8A.	Participant Derogations	1197
Part 1	Derogations Granted to TransGrid.....	1197
8A.1	[Deleted]	1197
Part 2	Derogations Granted to EnergyAustralia.....	1197
8A.2	[Deleted]	1197
8A.2A	[Deleted]	1197
Part 3	[Deleted]	1197
Part 4	[Deleted]	1197
Part 5	[Deleted]	1197
Part 6	Derogations Granted to Victorian Market Participants	1197
Part 7	[Deleted]	1198
Part 8	[Deleted]	1198
Part 9	[Deleted]	1198
Part 10	[Deleted]	1198
Part 11	[Deleted]	1198
Part 12	[Deleted]	1198
Part 13	Derogation granted to Aurora Energy (Tamar Valley) Pty Ltd	1198
8A.13	[Deleted]	1198
Part 14	Derogations granted to Ausgrid, Endeavour Energy and Essential Energy	1198
8A.14	Derogations from Chapter 6 for the current regulatory control period and subsequent regulatory control period	1198
8A.14.1	Definitions.....	1198
8A.14.2	Expiry date	1203
8A.14.3	Application of Rule 8A.14.....	1203
8A.14.4	Recovery of revenue across the current regulatory control period and subsequent regulatory control period	1203
8A.14.5	Recovery of revenue in subsequent regulatory control period only and no reopening of subsequent distribution determination required.....	1205
8A.14.6	Recovery of revenue in subsequent regulatory control period only and reopening of distribution determination is required.....	1206
8A.14.7	Requirements for adjustment determination	1208
8A.14.8	Application of Chapter 6 under participant derogation	1208

Part 15	Derogations granted to ActewAGL.....	1210
8A.15	Derogations from Chapter 6 for the current regulatory control period and subsequent regulatory control period	1210
8A.15.1	Definitions.....	1210
8A.15.2	Expiry date	1214
8A.15.3	Application of Rule 8A.15.....	1214
8A.15.4	Recovery of revenue across the current regulatory control period and subsequent regulatory control period.....	1214
8A.15.5	Recovery of revenue in subsequent regulatory control period only and no reopening of subsequent distribution determination required.....	1216
8A.15.6	Recovery of revenue in subsequent regulatory control period only and reopening of distribution determination is required.....	1218
8A.15.7	Requirements for adjustment determination.....	1220
8A.15.8	Application of Chapter 6 under participant derogation	1220
9.	Jurisdictional Derogations and Transitional Arrangements.....	1225
9.1	Purpose and Application	1225
9.1.1	Purpose.....	1225
9.1.2	Jurisdictional Derogations	1225
Part A	Jurisdictional Derogations for Victoria	1225
9.2	[Deleted].....	1225
9.3	Definitions.....	1225
9.3.1	General Definitions	1225
9.3.2	[Deleted]	1227
9.3A	Fault levels	1227
9.4	Transitional Arrangements for Chapter 2 - Registered Participants, Registration and Cross Border Networks.....	1228
9.4.1	[Deleted]	1228
9.4.2	Smelter Trader	1228
9.4.3	Smelter Trader: compliance.....	1229
9.4.4	Report from AER.....	1231
9.4.5	Cross Border Networks.....	1232
9.5	[Deleted].....	1232
9.6	Transitional Arrangements for Chapter 4 - System Security.....	1232
9.6.1	Operating Procedures (clause 4.10.1)	1232
9.6.2	Nomenclature Standards (clause 4.12)	1232
9.7	Transitional Arrangements for Chapter 5 - Network Connection.....	1233
9.7.1	[Deleted]	1233
9.7.2	[Deleted]	1233
9.7.3	[Deleted]	1233
9.7.4	Regulation of Distribution Network Connection.....	1233
9.7.5	[Deleted]	1234
9.7.6	[Deleted]	1234

9.7.7 [Deleted] 1234

9.8 Transitional Arrangements for Chapter 6 - Network Pricing..... 1234

9.8.1 [Deleted] 1234

9.8.2 [Deleted] 1234

9.8.3 [Deleted] 1234

9.8.4 Transmission Network Pricing 1234

9.8.4A [Deleted] 1236

9.8.4B [Deleted] 1236

9.8.4C [Deleted] 1236

9.8.4D [Deleted] 1236

9.8.4E [Deleted] 1236

9.8.4F [Deleted] 1236

9.8.4G [Deleted] 1236

9.8.5 [Deleted] 1236

9.8.6 [Deleted] 1236

9.8.7 Distribution network pricing – transitional application of former
Chapter 6..... 1236

9.8.8 Exclusion of AER's power to aggregate distribution systems and
parts of distribution systems 1237

9.9 Transitional Arrangements for Chapter 7 - Metering 1238

9.9.1 Metering Installations To Which This Schedule Applies 1238

9.9.2 [Deleted] 1238

9.9.3 [Deleted] 1238

9.9.4 [Deleted] 1238

9.9.5 [Deleted] 1238

9.9.6 [Deleted] 1238

9.9.7 [Deleted] 1238

9.9.8 [Deleted] 1238

9.9.9 Periodic Energy Metering (clause 7.9.3) 1238

9.9.10 Use of Alternate Technologies (clause 7.13)..... 1238

9.9A [Deleted]..... 1239

9.9B [Deleted]..... 1239

9.9C [Deleted]..... 1239

Schedule 9A1.1 [Deleted]..... 1239

Schedule 9A1.2 [Deleted]..... 1239

Schedule 9A1.3 [Deleted]..... 1239

Schedule 9A2 [Deleted]..... 1239

Schedule 9A3 Jurisdictional Derogations Granted to Generators 1239

1. Interpretation of tables 1239

2. Continuing effect 1239

3. Subsequent agreement 1240

4. [Deleted] 1240

5. Reactive Power Capability (clause S5.2.5.1 of schedule 5.2) 1240

6. [Deleted] 1241

7. [Deleted] 1241

8. [Deleted] 1241

9.	[Deleted]	1241
10.	[Deleted]	1241
11.	[Deleted].....	1241
12.	[Deleted]	1241
13.	Governor Systems (load control) (clause S5.2.5.11 of schedule 5.2).....	1241
14.	[Deleted]	1242
15.	[Deleted]	1242
16.	Excitation Control System (clause S5.2.5.13 of schedule 5.2).....	1242
Part B	Jurisdictional Derogations for New South Wales	1242
9.10	[Deleted]	1242
9.11	Definitions	1242
9.11.1	Definitions used in this Part B	1242
9.12	Transitional Arrangements for Chapter 2 - Generators, Registered Participants, Registration and Cross Border Networks	1243
9.12.1	[Deleted]	1243
9.12.2	Customers	1243
9.12.3	Power Traders	1244
9.12.4	Cross Border Networks.....	1247
9.13	[Deleted]	1247
9.14	Transitional Arrangements for Chapter 4 - System Security.....	1247
9.14.1	Power System Operating Procedures.....	1247
9.15	NSW contestable services for Chapter 5A.....	1248
9.15.1	Definitions.....	1248
9.15.2	Chapter 5A not to apply to certain contestable services	1248
9.16	Transitional Arrangements for Chapter 6 - Network Pricing.....	1248
9.16.1	NSW contestable services.....	1248
9.16.2	[Deleted]	1248
9.16.3	Jurisdictional Regulator	1248
9.16.4	Deemed Regulated Interconnector.....	1249
9.16.5	[Deleted]	1249
9.17	Transitional Arrangements for Chapter 7 - Metering	1249
9.17.1	Extent of Derogations	1249
9.17.2	Initial Registration (clause 7.1.2).....	1249
9.17.3	Amendments to Schedule 9G1.....	1249
9.17.4	Compliance with AS/NZ ISO 9002 (clause S7.4.3(f) of schedule 7.4)	1250
9.17A	[Deleted]	1250
9.18	[Deleted]	1250
Part C	Jurisdictional Derogations for the Australian Capital Territory	1250
9.19	[Deleted]	1250
9.20	Definitions and Transitional Arrangements for Cross-Border Networks	1250
9.20.1	Definitions.....	1250

9.20.2	Cross Border Networks	1250
9.21	[Deleted]	1251
9.22	[Deleted]	1251
9.23	Transitional Arrangements for Chapter 6 - Network Pricing.....	1251
9.23.1	[Deleted]	1251
9.23.2	[Deleted]	1251
9.23.3	[Deleted]	1251
9.23.4	[Deleted]	1251
9.24	Transitional Arrangements.....	1251
9.24.1	Chapter 7 - Metering	1251
9.24.2	[Deleted]	1252
9.24A	[Deleted]	1252
Part D	Jurisdictional Derogations for South Australia	1252
9.25	Definitions.....	1252
9.25.1	[Deleted]	1252
9.25.2	Definitions.....	1252
9.26	Transitional Arrangements for Chapter 2 - Registered Participants, Registration And Cross Border Networks.....	1254
9.26.1	Registration as a Generator	1254
9.26.2	Registration as a Customer	1255
9.26.3	Cross Border Networks.....	1255
9.26.4	[Deleted]	1256
9.26.5	Registration as a Network Service Provider	1256
9.27	[Deleted]	1257
9.28	Transitional Arrangements for Chapter 5 - Network Connection	1257
9.28.1	Application of clause 5.2	1257
9.28.2	[Deleted]	1257
9.29	Transitional Arrangements for Chapter 6 - Economic Regulation of Distribution Services.....	1257
9.29.1	[Deleted]	1257
9.29.2	[Deleted]	1257
9.29.3	[Deleted]	1257
9.29.4	[Deleted]	1257
9.29.5	Distribution Network Pricing – South Australia.....	1257
9.29.6	Capital contributions, prepayments and financial guarantees.....	1259
9.29.7	Ring fencing.....	1259
9.29A	Monitoring and reporting	1259
9.30	Transitional Provisions.....	1260
9.30.1	Chapter 7 - Metering	1260
Part E	Jurisdictional Derogations for Queensland	1260
9.31	[Deleted]	1260
9.32	Definitions and Interpretation	1260

9.32.1	Definitions.....	1260
9.32.2	Interpretation.....	1263
9.33	Transitional Arrangements for Chapter 1	1263
9.33.1	[Deleted]	1263
9.34	Transitional Arrangements for Chapter 2 - Registered Participants and Registration	1263
9.34.1	Application of the Rules in Queensland (clauses 2.2 and 2.5)	1263
9.34.2	Stanwell Cross Border Leases (clause 2.2).....	1263
9.34.3	[Deleted]	1264
9.34.4	Registration as a Customer (clause 2.3.1).....	1264
9.34.5	There is no clause 9.34.5.....	1264
9.34.6	Exempted generation agreements (clause 2.2).....	1264
9.35	[Deleted].....	1269
9.36	[Deleted].....	1269
9.37	Transitional Arrangements for Chapter 5 - Network Connection.....	1269
9.37.1	[Deleted]	1269
9.37.2	Existing connection and access agreements (clause 5.2).....	1269
9.37.3	[Deleted]	1270
9.37.4	[Deleted]	1270
9.37.5	Forecasts for connection points to transmission network (clause 5.11.1)	1270
9.37.6	There is no clause 9.37.6.....	1270
9.37.7	Cross Border Networks.....	1270
9.37.8	[Deleted]	1270
9.37.9	Credible contingency events (clause S5.1.2.1 of schedule 5.1).....	1270
9.37.10	Reactive power capability (clause S5.2.5.1 of schedule 5.2).....	1271
9.37.11	[Deleted]	1271
9.37.12	Voltage fluctuations (clause S5.1.5 of schedule 5.1).....	1271
9.37.13	[Deleted]	1274
9.37.14	[Deleted]	1274
9.37.15	[Deleted]	1274
9.37.16	[Deleted]	1274
9.37.17	[Deleted]	1274
9.37.18	[Deleted]	1274
9.37.19	Generating unit response to disturbances (clause S5.2.5.3 of schedule 5.2)	1274
9.37.20	[Deleted]	1274
9.37.21	Excitation control system (clause S.5.2.5.13 of schedule 5.2)	1274
9.37.22	[Deleted]	1275
9.37.23	Annual forecast information for planning purposes (schedule 5.7).....	1275
9.38	Transitional Arrangements for Chapter 6 - Network Pricing.....	1275
9.38.1	[Deleted]	1275
9.38.2	[Deleted]	1275
9.38.3	[Deleted]	1275
9.38.4	Interconnectors between regions.....	1275
9.38.5	Transmission pricing for exempted generation agreements	1276

9.39	Transitional Arrangements for Chapter 7 - Metering	1276
9.39.1	Metering installations to which this clause applies.....	1276
9.39.2	[Deleted]	1277
9.39.3	[Deleted]	1277
9.39.4	[Deleted]	1277
9.39.5	[Deleted]	1277
9.40	Transitional Arrangements for Chapter 8 - Administration Functions.....	1277
9.40.1	[Deleted]	1277
9.40.2	[Deleted]	1277
9.40.3	[Deleted]	1277
9.41	[Deleted].....	1277
Schedule 9E1	Exempted Generation Agreements	1277
Part F	Jurisdictional Derogations for Tasmania	1278
9.42	Definitions and interpretation	1278
9.42.1	Definitions.....	1278
9.42.2	Interpretation.....	1279
9.42.3	National grid, power system and related expressions.....	1280
9.43	[Deleted].....	1280
9.44	Transitional arrangements for Chapter 2 – Registered Participants and Registration - Customers (clause 2.3.1(e)).....	1280
9.45	Tasmanian Region (clause 3.5)	1280
9.47	Transitional arrangements for Chapter 5- Network Connection.....	1280
9.47.1	Existing Connection Agreements	1280
9.48	Transitional arrangements - Transmission and Distribution Pricing	1281
9.48.4A	Ring fencing.....	1281
9.48.4B	Uniformity of tariffs for small customers	1281
9.48.5	Transmission network.....	1281
9.48.6	Deemed regulated interconnector	1281
Part G	Schedules to Chapter 9	1282
Schedule 9G1	Metering Transitional Arrangements.....	1282
1.	Introduction.....	1282
2.	[Deleted]	1282
3.	General Principle	1282
4.	[Deleted]	1282
5.	Accuracy Requirements	1282
6.	[Deleted]	1283
7.	[Deleted]	1283
8.	[Deleted]	1283
9.	[Deleted]	1283
10.	[Deleted]	1283
10.	Glossary	1287

11.	Savings and Transitional Rules	1421
Part A	Definitions.....	1421
Part B	System Restart Ancillary Services (2006 amendments)	1421
11.2	Rules consequent on making of the National Electricity Amendment (System Restart Ancillary Services and pricing under market suspension) Rule 2006	1421
11.2.1	Transitional provision for acquisition of non-market ancillary services.....	1421
11.3	[Deleted].....	1422
Part C	Dispute Resolution for Regulatory Test (2006 amendments)	1422
11.4	Rules consequent on making of the National Electricity Amendment (Dispute Resolution for Regulatory Test) Rule 2006.....	1422
11.4.1	Continuation of things done under old clause 5.6.6.....	1422
Part D	Metrology (2006 amendments)	1423
11.5	Rules consequential on the making of the National Electricity Amendment (Metrology) Rule 2006	1423
11.5.1	Definitions.....	1423
11.5.2	Metrology procedures continues to apply until 31 December 2006	1423
11.5.3	Responsible person	1423
11.5.4	NEMMCO’s responsibility to develop a metrology procedure.....	1423
11.5.5	Jurisdictional metrology material in the metrology procedure	1424
Part E	Economic Regulation of Transmission Services (2006 amendments)	1425
11.6	Rules consequent on making of the National Electricity Amendment (Economic Regulation of Transmission Services) Rule 2006.....	1425
11.6.1	Definitions.....	1425
11.6.2	New Chapter 6A does not affect existing revenue determinations.....	1426
11.6.3	Old Part C and Schedules 6.2, 6.3, 6.4, 6.7 and 6.8 of old Chapter 6.....	1427
11.6.4	Old Part F of Chapter 6.....	1427
11.6.5	Application of new Chapter 6A to Transmission Network Service Providers	1427
11.6.6	Application of Chapter 6 to old distribution matters	1427
11.6.7	References to the old Chapter 6	1427
11.6.8	References to provisions of the old Chapter 6.....	1428
11.6.9	Roll forward of regulatory asset base for first regulatory control period	1428
11.6.10	Other adjustment carry-over mechanisms from current to first regulatory control period.....	1428
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	1428
11.6.12	Powerlink transitional provisions	1431
11.6.13	ElectraNet easements transitional provisions	1435

11.6.14	TransGrid contingent projects.....	1435
11.6.15	Transmission determination includes existing revenue determinations.....	1436
11.6.16	References to regulatory control period.....	1436
11.6.17	Consultation procedure for first proposed guidelines.....	1436
11.6.18	Reliance on proposed guidelines for SP AusNet, VENCORP and ElectraNet	1437
11.6.19	EnergyAustralia transitional provisions.....	1437
11.6.20	Basslink transitional provisions	1440
11.6.21	SPI Powernet savings and transitional provision.....	1441
11.6.22	Interim arrangements pricing-related information.....	1443
Part F	Reform of Regulatory Test Principles (2006 amendments)	1443
11.7	Rules consequent on making of the National Electricity Amendment (Reform of the Regulatory Test Principles) Rule 2006.....	1443
11.7.1	Definitions.....	1443
11.7.2	Amending Rule does not affect old clause 5.6.5A.....	1444
Part G	Pricing of Prescribed Transmission Services (2006 amendments)	1444
11.8	Rules consequent on making the National Electricity Amendment (Pricing of Prescribed Transmission Services) Rule 2006.....	1444
11.8.1	Definitions.....	1444
11.8.2	Regulated interconnectors.....	1445
11.8.3	Application of new Part J of Chapter 6A to Transmission Network Service Providers	1445
11.8.4	Reliance on agreed interim guideline for ElectraNet, SPAusNet, and VenCorp	1445
11.8.5	Prudent discounts under existing agreements	1446
11.8.6	Application of prudent discounts regime under rule 6A.26.....	1446
11.8.7	Prudent discounts pending approval of pricing methodology	1446
Part H	Reallocations (2007 amendments)	1447
11.9	Rules consequent on the making of the National Electricity Amendment (Reallocations) Rule 2007	1447
11.9.1	Definitions.....	1447
11.9.2	Existing and transitional reallocations	1448
Part I	Technical Standards for Wind Generation (2007 amendments).....	1448
11.10	Rules consequent on making of the National Electricity Amendment (Technical Standards for Wind Generation and other Generator Connections) Rule 2007	1448
11.10.1	Definitions.....	1448
11.10.2	Provision of information under S5.2.4 in registration application.....	1448
11.10.3	Access standards made under the old Chapter 5.....	1449
11.10.4	Modifications to plant by Generators	1449
11.10.5	Technical Details to Support Application for Connection and Connection Agreement	1449

11.10.6	Transitional arrangements for establishment of performance standards	1450
11.10.7	Jurisdictional Derogations for Queensland.....	1450
11.10A	Rules consequent on the making of the National Electricity Amendment (Central Dispatch and Integration of Wind and Other Intermittent Generation) Rule 2008.....	1450
11.10A.1	Definitions.....	1450
11.10A.2	Registration and reclassification of classified generating units.....	1451
11.10A.3	Registered generating unit	1452
11.10A.4	Classification of potential semi-scheduled generating unit	1452
11.10A.5	Participant fees	1452
11.10A.6	Timetable	1453
11.10A.7	Procedure for contribution factors for ancillary service transactions	1453
11.10A.8	Guidelines for energy conversion model information	1453
Part J	Cost Recovery of Localised Regulation Services (2007 amendments)	1454
11.11	Rules consequent on making of the National Electricity Amendment (Cost Recovery of Localised Regulation Services) Rule 2007.....	1454
11.11.1	Definitions.....	1454
11.11.2	Action taken by NEMMCO for the purposes of Amending Rule	1454
11.12	[Deleted].....	1454
Part L	[Deleted].....	1454
Part M	Economic Regulation of Distribution Services (2007 amendments)	1454
Division 1	General Provisions	1454
11.14	General provisions	1454
Division 2	[Deleted].....	1458
Division 3	Transitional arrangements for first distribution determination for Queensland Distribution Network Service Providers	1458
11.16	Transitional arrangements for first distribution determination for Queensland Distribution Network Service Providers	1458
Division 4	Transitional provisions of specific application to Victoria	1461
11.17	Transitional provisions of specific application to Victoria.....	1461
Part N	Registration of Foreign Based Persons and Corporations as Trader Class Participants (2007 amendments).....	1464
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.....	1464
11.18.1	Definitions.....	1464
11.18.2	Auction rules	1464
Part O	Process for Region Change (2007 amendments).....	1464
11.19	Rules consequent on making of the National Electricity Amendment (Process for Region Change) Rule 2007.....	1464

11.19.1	Definitions.....	1464
11.19.2	Regions Publication	1465
Part P	Integration of NEM Metrology Requirements.....	1465
11.20	Rules consequential on the making of the National Electricity Amendment (Integration of NEM Metrology Requirements) Rule 2008.....	1465
11.20.1	Definitions.....	1465
11.20.2	Metering installations for non-market generating units immediately prior to 30 June 2008	1465
11.20.3	First-tier load metering installations	1466
11.20.4	First-tier load metering installations in Victoria.....	1466
11.20.5	Minimalist Transitioning Approach in Queensland.....	1466
11.20.6	First-tier jurisdictional requirements publication.....	1467
11.20.7	Metrology procedure.....	1467
Part PA	Reliability Settings: Information Safety Net and Directions	1467
11.21	Rules consequential on the making of the National Electricity Amendment (NEM Reliability Settings: Information Safety Net and Directions) Rule 2008	1467
11.21.1	Definitions.....	1467
11.21.2	EAAP guidelines.....	1467
11.21.3	[Deleted]	1468
11.21.4	[Deleted]	1468
11.21.5	Timetable	1468
11.21.6	Power system security and reliability standards	1468
11.21.7	Report on statement of opportunities.....	1468
11.21.8	Methodology for dispatch prices and ancillary services prices	1468
Part Q	Regulatory Test Thresholds and Information Disclosure on Network Replacements.....	1469
11.22	Rules consequential on the making of the National Electricity Amendment (Regulatory Test Thresholds and Information Disclosure on Network Replacements) Rule 2008.....	1469
11.22.1	Definitions.....	1469
11.22.2	Amending Rule does not affect existing regulatory test.....	1469
Part R	Performance Standard Compliance of Generators	1470
11.23	Rules consequential on the making of the National Electricity Amendment (Performance Standards Compliance of Generators) Rule 2008.....	1470
11.23.1	Definitions.....	1470
11.23.2	Application of rule 11.23 for compliance programs implemented immediately after the commencement of the Amending Rule	1470
11.23.3	Application of rule 11.23 for compliance programs implemented immediately prior to the commencement of the Amending Rule.....	1470
11.23.4	Application of rule 11.23 for compliance programs not implemented immediately prior to the commencement of the Amending Rule	1470
Part S	[Deleted].....	1471

Part U	Confidentiality Arrangements concerning Information required for Power System Studies	1471
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.....	1471
11.25.1	Definitions.....	1471
11.25.2	Transitional arrangements for the provision of information.....	1471
Part V	WACC Reviews: Extension of Time	1473
11.26	Rule consequential on the making of the National Electricity Amendment (WACC Reviews: Extension of Time) Rule 2009.....	1473
11.26.1	Definitions.....	1473
11.26.2	Extension of time to submit a regulatory proposal for the regulatory control period 2010-2015.....	1473
Part W	National Transmission Statement	1473
11.27	Rules consequent on the making of the National Electricity Amendment (National Transmission Statement) Rule 2009.....	1473
11.27.1	Definitions.....	1473
11.27.2	Purpose.....	1474
11.27.3	Application of rule 11.27	1474
11.27.4	National Transmission Statement	1474
11.27.5	Scope and Content of National Transmission Network Development Plan.....	1476
11.27.6	Energy Adequacy Assessment Projection	1476
11.27.7	Amendment to Last Resort Power	1476
11.27.8	Actions taken prior to commencement of Rule	1476
Part X	National Transmission Planning	1477
11.28	Rules consequential on the making of the National Electricity (Australian Energy Market Operator) Amendment Rules 2009.....	1477
11.28.1	Definitions.....	1477
11.28.2	Jurisdictional planning bodies and representatives.....	1477
11.28.3	Criteria and guidelines published by Inter-regional Planning Committee.....	1477
11.28.4	Augmentation technical reports	1478
11.28.5	Last Resort Planning Power.....	1478
11.28.6	Inter-network power system tests	1478
11.28.7	Control and protection settings for equipment.....	1479
11.28.8	Revenue Proposals	1479
Part Y	Regulatory Investment Test for Transmission.....	1479
11.29	Rules consequent on making of the National Electricity Amendment (Regulatory Investment Test for Transmission) Rule 2009.....	1479
11.29.1	Definitions.....	1479
11.29.2	Period when Amending Rule applies to transmission investment.....	1480
Part Z	Congestion Information Resource.....	1481

11.30	Rules consequent on the making of the National Electricity Amendment (Congestion Information Resource) Rule 2009	1481
11.30.1	Definitions.....	1481
11.30.2	Interim congestion Information resource.....	1481
Part ZA	Reliability and emergency reserve trader (2009 amendments)	1483
11.31	Rules consequent on the making of the National Electricity Amendment (Improved RERT Flexibility and Short-notice Reserve Contracts) Rule 2009.....	1483
11.31.1	Definitions.....	1483
11.31.2	Purpose.....	1483
11.31.3	Amendments to Reliability Panel's RERT Guidelines.....	1483
11.31.4	Amendments to AEMO's RERT procedures for exercising the RERT	1484
Part ZB	Early Application of Market Impact Parameters.....	1485
11.32	Rules consequent on the making of the National Electricity Amendment (Early Implementation of Market Impact Parameters) Rule 2010	1485
11.32.1	Definitions.....	1485
11.32.2	Purpose.....	1486
11.32.3	Early application of the market impact component of the service target performance incentive scheme.....	1486
Part ZC	Transparency of operating data	1489
11.33	Rules consequential on the making of National Electricity Amendment (Transparency of Operating Data) Rule 2010.....	1489
11.33.1	Definitions.....	1489
11.33.2	Spot market operations timetable.....	1489
Part ZD	Cost Recovery for Other Services Directions.....	1491
11.34	Rules consequent on making of the National Electricity Amendment (Cost Recovery for Other Services Directions) Rule 2010.....	1491
11.34.1	Definitions.....	1491
11.34.2	Period when Amending Rules applies to funding of compensation	1492
Part ZE	Payments under Feed-in Schemes and Climate Change Funds	1492
11.35	Rules consequential on the making of the National Electricity Amendment (Payments under Feed-in Schemes and Climate Change Funds) Rule 2010	1492
11.35.1	Definitions.....	1492
11.35.2	Application of recovery of jurisdictional scheme Rules.....	1493
11.35.3	Reporting on jurisdictional schemes	1494
11.35.4	Revocation and substitution of distribution determination for jurisdictional scheme recovery	1495
Part ZF	Transitional Arrangements for Ministerial Smart Meter Roll Out Determinations	1496
11.36	Ministerial Smart Meter Roll Out Determinations	1496
11.36.1	Definitions.....	1496

11.36.2	Meaning of relevant metering installation	1496
11.36.3	Period of application of rule to relevant metering installation	1497
11.36.4	Designation of responsible person	1497
11.36.5	[Deleted]	1497
11.36.6	[Deleted]	1497
Part ZG	Provision of Metering Data Services and Clarification of Existing Metrology Requirements.....	1497
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	1497
11.37.1	Definitions.....	1497
11.37.2	Commencement of special site or technology related conditions.....	1497
11.37.3	Initial service level procedures	1498
Part ZH	Spot Market Operations Timetable	1498
11.38	Rules consequential on the making of National Electricity Amendment (Amendments to PASA-related Rules) Rule 2010	1498
11.38.1	Definitions.....	1498
11.38.2	Spot market operations timetable.....	1499
Part ZI	DNISP Recovery of Transmission-related Charges	1499
11.39	Rules consequential on the making of the National Electricity Amendment (DNISP Recovery of Transmission-related Charges) Rule 2011	1499
11.39.1	Definitions.....	1499
11.39.2	Recovery by Victorian distribution network service providers during current regulatory control period.....	1500
11.39.3	Recovery by Victorian distribution network service providers for shared network augmentations.....	1501
11.39.4	Bairnsdale network support agreement.....	1501
11.39.5	Approval of pricing proposal	1501
11.39.6	Ergon Energy transitional charges	1501
11.39.7	Energex transitional charges	1501
Part ZJ	Network Support and Control Ancillary Services.....	1501
11.40	Rules consequential on the making of the National Electricity Amendment (Network Support and Control Ancillary Services) Rule 2011.....	1501
11.40.1	Definitions.....	1501
11.40.2	Purpose.....	1502
11.40.3	Existing NCAS contracts to continue	1502
11.40.4	Amendments to existing guidelines	1502
11.40.5	New procedures	1503
11.40.6	Decisions and actions taken prior to Amending Rule.....	1503
Part ZK	Application of Dual Marginal Loss Factors	1503
11.41	Rules consequential on the making of the National Electricity Amendment (Application of Dual Marginal Loss Factors) Rule 2011.....	1503
11.41.1	Definitions.....	1503

11.41.2	Amendments to loss factor methodology	1504
11.41.3	Procedure applying dual intra-regional loss factors in central dispatch and spot market transactions.....	1504
11.41.4	Publication of intra-regional loss factors	1504
Part ZL	Tasmania Tranche 5a Procedure Changes.....	1504
11.42	Rules consequential on the making of the National Electricity Amendment (Tasmania Tranche 5a Procedure Changes) Rule 2011.....	1504
11.42.1	Definitions.....	1504
11.42.2	AEMO may amend Relevant Procedures	1505
Part ZM	Application and Operation of Administered Price Periods	1505
11.43	Rules consequential on the making of National Electricity Amendment (Application and Operation of Administered Price Periods) Rule 2011	1505
11.43.1	Definitions.....	1505
11.43.2	Administered Price Cap Schedule	1506
Part ZO	Negative Intra-regional Settlements Residue	1506
11.45	Rules consequential on the making of National Electricity Amendment (Negative Intra-regional Settlements Residue) Rule 2012.....	1506
11.45.1	Definitions.....	1506
11.45.2	Recovery of negative settlements residue prior to consultation under the Amending Rule	1507
11.45.3	First consultation on negative intra-regional settlements residue procedure.....	1507
Part ZP	Interim Connection Charging Rules	1508
11.46	Rules consequential to the insertion of Chapter 5A by the National Electricity (National Energy Retail Law) Amendment Rule 2012.....	1508
Division 1	Preliminary.....	1508
Division 2	Jurisdictional differences	1510
Division 3	General provisions	1518
Part ZQ	NSW transitional retail support and credit support rules.....	1518
11.47	Rules consequential on the insertion of Chapter 6B by the National Electricity (National Energy Retail Law) Amendment Rule 2012.....	1518
Division 1	Preliminary.....	1518
Part ZR	Miscellaneous transitional rules—NERL	1524
11.48	Rules consequential on the making of the National Electricity (National Energy Retail Law) Amendment Rule 2012.....	1524
11.48.1	Extension of time period for AER to consider certain pass through applications	1524
Part ZS	Cost pass through arrangements for Network Service Providers.....	1525

11.49 Rules consequential on the making of National Electricity Amendment (Cost pass through arrangements for Network Service Providers) Rule 2012 1525

11.49.1 Definitions..... 1525

11.49.2 Terrorism event is a cost pass through event in the current regulatory control period 1525

11.49.3 Transitional arrangement for Powerlink..... 1525

11.49.4 Transitional arrangements for ElectraNet and Murraylink 1526

Part ZT Distribution Network Planning and Expansion 1526

11.50 Rules consequential on the making of the National Electricity Amendment (Distribution Network Planning and Expansion) Rule 2012..... 1526

11.50.1 Interpretation..... 1526

11.50.2 Definitions..... 1527

11.50.3 Timing for first Distribution Annual Planning Report 1527

11.50.4 Contents of Distribution Annual Planning Report..... 1527

11.50.5 Transition from the regulatory test to the regulatory investment test for distribution 1529

Part ZU New Prudential Standard and Framework in the NEM 1530

11.51 Rules consequential on the making of the National Electricity Amendment (New Prudential Standard and Framework in the NEM) Rule 2012..... 1530

11.51.1 Definitions..... 1530

11.51.2 AEMO's responsibility to develop and publish the credit limit procedures 1530

11.51.3 Transition to the framework for determining prudential settings 1530

11.51.4 Prior consultation, step, decision or action taken by AEMO..... 1531

Part ZV Small Generation Aggregator Framework..... 1531

11.52 Rules consequential on the making of the National Electricity Amendment (Small Generation Aggregator Framework) Rule 2012..... 1531

11.52.1 Definitions..... 1531

11.52.2 Commencement of participant fees as well as transactions, funding and settlements under Chapter 3 for Market Small Generation Aggregators..... 1532

11.52.3 Participant fees for Market Small Generation Aggregators..... 1532

11.52.4 Ancillary service transactions, funding of compensation for directions and intervention settlements for directions for Market Small Generation Aggregators..... 1533

11.52.5 Amendments to the carbon dioxide equivalent intensity index procedures 1533

11.52.6 Amendments of the metrology procedures 1534

11.52.7 Amendments to the Market Settlement and Transfer Solution Procedures..... 1534

Part ZW	Economic Regulation of Network Service Providers (2012 amendments)	1535
Division 1	Miscellaneous transitional provisions	1535
11.53	Publication of Chapter 6 Guidelines	1535
11.54	Publication of Chapter 6A Guidelines	1536
Division 2	Transitional provisions for NSW/ACT Distribution Network Service Providers	1538
11.55	General provisions	1538
11.56	Special provisions applying to affected DNSPs	1541
Division 3	Transitional provisions for NSW and Tasmanian Transmission Network Service Providers and Directlink.....	1553
11.57	General provisions	1553
11.58	Special provisions applying to affected TNSPs.....	1556
Division 4	Transitional provisions for the Victorian TNSP	1565
11.59	Special provisions applying to the Victorian TNSP	1565
Division 5	Transitional provisions for Qld/SA and Victorian Distribution Network Service Providers.....	1567
11.60	Special provisions applying to the Qld/SA and Victorian Distribution Network Service Providers.....	1567
Division 6	Review of past capital expenditure.....	1573
11.61	Definitions and application	1573
11.62	Review of past capital expenditure under Chapter 6	1573
11.63	Review of past capital expenditure under Chapter 6A	1574
Part ZX	Inter-regional Transmission Charging	1574
11.64	Rules consequent on the making of the National Electricity Amendment (Inter-regional Transmission Charging) Rule 2013	1574
11.64.1	Definitions.....	1574
11.64.2	Amendments to the pricing methodology guidelines	1575
11.64.3	Amendments to the pricing methodologies of Transmission Network Service Providers	1575
11.64.4	Commencement of clause 6A.23.3(f) for further adjustments	1576
Part ZY	Network Service Provider Expenditure Objectives.....	1576
11.65	Rules consequent on the making of the National Electricity Amendment (Network Service Provider Expenditure Objectives) Rule 2013	1576
11.65.1	Definitions.....	1576
11.65.2	Application of rule 11.65	1577
Part ZZ	Access to NMI Standing Data	1577
11.66	Rules consequent on the making of the National Electricity Amendment (Access to NMI Standing Data) Rule 2013	1577
11.66.1	Definitions.....	1577
11.66.2	Minor amendment of the Market Settlement and Transfer Solution Procedures.....	1577
Part ZZA	Publication of Zone Substation Data.....	1578

11.67	Rules consequent on the making of the National Electricity Amendment (Publication of Zone Substation Data) Rule 2014.....	1578
11.67.1	Definitions.....	1578
11.67.2	Distribution Network Service Providers' obligations to commence on the next DAPR date	1578
Part ZZB	Connecting Embedded Generators	1578
11.68	Rules consequential on the making of the National Electricity Amendment (Connecting embedded generators) Rule 2014	1578
11.68.1	Definitions.....	1578
11.68.2	Continuation of enquiries lodged.....	1579
Part ZZC	Customer access to information about their energy consumption.....	1579
11.69	Rules consequential on the making of the National Electricity Amendment (Customer access to information about their energy consumption) Rule 2014.....	1579
11.69.1	Definitions.....	1579
11.69.2	AEMO to develop and publish the metering data provision procedure.....	1579
Part ZZD	National Electricity Amendment (Distribution Network Pricing Arrangements) Rule 2014.....	1579
Division 1	Miscellaneous transitional provisions	1579
11.70	General provisions	1579
11.70.1	Definitions.....	1579
Division 2	Transitional provisions for NSW/ACT and Qld/SA Distribution Network Service Providers.....	1582
11.72	General provisions	1582
11.72.1	Definitions.....	1582
11.73	Special provisions applying to affected DNSPs	1582
11.73.1	Distribution determination and pricing proposals.....	1582
11.73.2	Tariff structure statement.....	1582
11.73.3	Dispute resolution	1588
Division 3	Transitional provisions for Tasmanian Distribution Network Service Provider.....	1589
11.74	Application of former Chapter 6.....	1589
Division 4	Transitional provisions for Victorian Distribution Network Service Providers	1589
11.75	General provisions	1589
11.75.1	Definitions.....	1589
11.76	Special provisions applying to affected DNSPs	1589
11.76.1	Distribution determination and pricing proposals.....	1589
11.76.2	Tariff structure statement.....	1590
11.76.3	Dispute resolution	1596
Part ZZE	Early Application of Network Capability Component (STPIS).....	1596
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	1596
11.77.1	Definitions.....	1596
11.77.2	Purpose.....	1597
11.77.3	Earlier application of the network capability component of the service target performance incentive scheme	1597
Part ZZF	National Electricity Amendment (Governance arrangements and implementation of the reliability standard and settings) Rule 2015.....	1599
11.78	Rules consequent on the making of the National Electricity Amendment (Governance arrangements and implementation of the reliability standards and settings) Rule 2015	1599
11.78.1	Definitions.....	1599
11.78.2	Existing power system security and reliability standards	1600
11.78.3	Reliability standard and settings guidelines.....	1600
11.78.4	Reliability standard implementation guidelines.....	1600
Part ZZG	Improving demand side participation information provided to AEMO by registered participants	1603
11.79	Rules consequential on making of the National Electricity Amendment (Improving demand side participation information provided to AEMO by registered participants) Rule 2015.....	1603
11.79.1	AEMO to develop and publish the demand side participation information guidelines	1603
Part ZZH	Transitional Arrangements for Aligning TasNetworks' regulatory control periods.....	1603
11.80	National Electricity Amendment (Aligning TasNetworks' regulatory control periods) Rule 2015	1603
11.80.1	Definitions.....	1603
11.80.2	Application of rule 11.80	1604
11.80.3	Next regulatory control period.....	1604
11.80.4	Subsequent regulatory control period	1604
Part ZZI	System Restart Ancillary Services.....	1604
11.81	Rules consequential on the making of the National Electricity Amendment (System Restart Ancillary Services) Rule 2015	1604
11.81.1	Definitions.....	1604
11.81.2	System restart standard	1605
11.81.3	SRAS Guideline.....	1605
11.81.4	Regional Benefit Ancillary Services Procedures	1605
11.81.5	Consultation prior to the Commencement Date.....	1605
11.81.6	Existing SRAS Contract	1605
Part ZZJ	Demand management incentive scheme	1606
11.82	Rules consequential on making of the National Electricity Amendment (Demand management incentive scheme) Rule 2015.....	1606

11.82.1	Definitions.....	1606
11.82.2	AER to develop and publish the demand management incentive scheme and demand management innovation allowance mechanism	1606
Part ZZK	AEMO access to demand forecasting information	1606
11.83	Rules consequential on the making of the National Electricity Amendment (AEMO access to demand forecasting information) Rule 2015.....	1606
11.83.1	AEMO to include supporting information in NTNDP database.....	1606
Part ZZL	Compensation arrangements following application of an Administered Price Cap or Administered Floor Price.....	1607
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.....	1607
11.84.1	Definitions.....	1607
11.84.2	Compensation Guidelines	1607
Part ZZM	Common definitions of distribution reliability measures.....	1607
11.85	Rules consequential on the making of the National Electricity Amendment (Common definitions of distribution reliability measures) Rule 2015	1607
11.85.1	Definitions.....	1607
11.85.2	Distribution reliability measures guidelines	1608
11.85.3	Amended STPIS.....	1608
Part ZZN	Expanding competition in metering and metering related services	1608
11.86	Rules consequent on making of the National Electricity Amendment (Expanding competition in metering and related services) Rule 2015	1608
11.86.1	Definitions.....	1608
11.86.2	References to old Chapter 7	1608
11.86.3	References to provisions of the old Chapter 7	1609
11.86.4	References to responsible person.....	1609
11.86.5	Continued operation of old Rules until the effective date	1609
11.86.6	New and amended procedures	1609
11.86.7	Metering Coordinator for type 5 or 6 metering installation from effective date	1610
11.86.8	Distribution Ring Fencing Guidelines	1613
11.86.9	[Deleted]	1613
Part ZZO	Embedded Networks.....	1613
11.87	Rules consequential on the making of the National Electricity Amendment (Embedded Networks) Rule 2015.....	1613
11.87.1	Definitions.....	1613
11.87.2	Amended Procedures and NMI Standing Data Schedule	1614
11.87.3	ENM service level procedures and guide to embedded networks and list of Embedded Network Managers.....	1614
11.87.4	Exemptions under section 13 of the National Electricity Law	1615

Part ZZP **Meter Replacement Processes..... 1615**

11.88 **Rules consequential on the making of the National Electricity
Amendment (Meter Replacement Processes) Rule 2016..... 1615**

11.88.1 Definitions..... 1615

11.88.2 Amended Procedures 1615

Part ZZQ **Energy Adequacy Assessment Projection..... 1616**

11.89 **Rules consequential to the National Electricity Amendment
(Energy Adequacy Assessment Projection timeframes) Rule
2016..... 1616**

11.89.1 Amended guideline and timetable 1616

Part ZZR **Reliability and emergency reserve trader (2016 amendments) 1616**

11.90 **Rules consequent on the making of the National Electricity
Amendment (Extension of the Reliability and Emergency
Reserve Trader) Rule 2016 1616**

11.90.1 Definitions..... 1616

11.90.2 Amendments to Reliability Panel's RERT Guidelines..... 1616

11.90.3 Amendments to AEMO's RERT procedures 1616

11.90.4 Reserve contracts entered into before Schedule 2 commencement
date 1617

Part ZZS **Updating the electricity B2B framework..... 1617**

11.91 **Rules consequential on the making of the National Electricity
Amendment (Updating the electricity B2B framework) rule
2016..... 1617**

11.91.1 Definitions..... 1617

11.91.2 B2B Procedures 1618

11.91.3 Information Exchange Committee Election Procedures and
Information Exchange Committee Operating Manual..... 1618

11.91.4 The New IEC 1619

11.91.5 Amended Procedures 1620

11.91.6 B2B e-Hub Participant accreditation process 1621

11.91.7 New IEC Budget and 2016 Annual Report..... 1621

11.91.8 Cost recovery 1622

Part ZZT **Application of Offsets in the Prudential Margin Calculation..... 1622**

11.92 **Rules consequential on the making of the National Electricity
Amendment (Application of Offsets in the Prudential Margin
Calculation) Rule 2016 1622**

11.92.1 Definitions..... 1622

11.92.2 Amended procedures 1622

Part ZZU **Rate of Return Guidelines Review 1623**

11.93 **Rules consequential on the making of the National Electricity
Amendment (Rate of Return Guidelines Review) Rule 2016 1623**

11.93.1 Definitions..... 1623

11.93.2 Application of current rate of return guidelines to making of a
distribution determination for the subsequent regulatory control
period 1624

Part ZZV Demand Response Mechanism and Ancillary Services Unbundling 1625

11.94 Rules consequential on the making of the National Electricity Amendment (Demand Response Management and Ancillary Services Unbundling) rule 2016..... 1625

11.94.1 Definitions..... 1625

11.94.2 Participant fees for Market Ancillary Service Providers 1625

Part ZZW Local Generation Network Credits 1625

11.95 Rules consequential on the making of the National Electricity Amendment (Local Generation Network Credits) Rule 2016 1625

11.95.1 Definitions..... 1625

11.95.2 System limitation template 1625

Part ZZX Retailer-Distributor Credit Support Requirements..... 1626

11.96 Rules consequent on the making of the National Electricity Amendment (Retailer Distributor Credit Support Requirements) Rule 2017 No. 1 1626

11.96.1 Definitions..... 1626

11.96.2 Continued operation of old Chapter 6B 1626

11.96.3 Interaction with Chapter 6 1626

11.96.4 Application of new Chapter 6B 1626

Part ZZY Emergency Frequency Control Schemes 1627

11.97 Rules consequent on the making of the National Electricity Amendment (Emergency frequency control schemes) Rule 2017 1627

11.97.1 Definitions 1627

11.97.2 Interim frequency operating standards for protected events..... 1627

11.97.3 First power system frequency risk review 1628

11.97.4 AEMO must review existing load shedding procedures..... 1628

11.97.5 Load shedding procedures 1628

Part ZZZ Transmission Connection and Planning Arrangements 1629

11.98 Rules consequential on the making of the National Electricity Amendment (Transmission Connection and Planning Arrangements) Rule 2017..... 1629

11.98.1 Definitions..... 1629

11.98.2 Grandfathering of existing dedicated connection assets..... 1630

11.98.3 Preparatory steps for registration changes under the Amending Rule 1631

11.98.4 Participant fees for Dedicated Connection Asset Service Providers 1631

11.98.5 Existing Connection Agreements 1631

11.98.6 Connection process 1632

11.98.7 Transmission Annual Planning Report 1632

11.98.8 Preservation for adoptive jurisdictions 1632

Part ZZZA Replacement expenditure planning arrangements..... 1633

11.99 Rules consequential on the making of the National Electricity Amendment (Replacement expenditure planning arrangements) Rule 2017 1633

11.99.1	Definitions.....	1633
11.99.2	Interpretation.....	1634
11.99.3	Transitional arrangements for affected DNSPs	1634
11.99.4	Amendments to RIT documentation.....	1635
11.99.5	Transitional arrangements relating to excluded projects	1635
11.99.6	Transitional arrangements relating to Victorian bushfire mitigation projects.....	1635
11.99.7	Transitional arrangements relating to review of costs thresholds.....	1636
Part ZZZB	Managing the rate of change of power system frequency	1636
11.100	Rules consequential on the making of the National Electricity Amendment (Managing the rate of change of power system frequency) Rule 2017	1636
11.100.1	Definitions.....	1636
11.100.2	Inertia sub-networks.....	1637
11.100.3	Inertia requirements methodology	1637
11.100.4	Inertia requirements	1638
11.100.5	NSCAS not to be used to meet an inertia shortfall after 1 July 2019	1638
11.100.6	Inertia network services may be used to meet an NSCAS gap declared in the NSCAS transition period.....	1639
11.100.7	Inertia network services made available before the commencement date.....	1639
Part ZZZC	Managing power system fault levels.....	1640
11.101	Rules consequential on the making of the National Electricity Amendment (Managing power system fault levels) Rule 2017	1640
11.101.1	Definitions.....	1640
11.101.2	System strength impact assessment guidelines.....	1641
11.101.3	System strength requirements methodology	1641
11.101.4	System strength requirements	1642
11.101.5	NSCAS not to be used to meet a fault level shortfall after 1 July 2019.....	1642
11.101.6	System strength services may be used to meet an NSCAS gap declared in the NSCAS transition period.....	1643
11.101.7	Withdrawal of a system strength-related NSCAS gap already declared.....	1643
11.101.8	System strength services made available before the commencement date.....	1644
Part ZZZD	Generating System Model Guidelines.....	1644
11.102	Making of Power System Model Guidelines.....	1644
Part ZZZE	Five Minute Settlement.....	1644
11.103	Rules consequential on the making of the National Electricity Amendment (Five Minute Settlement) Rule 2017.....	1644
11.103.1	Definitions.....	1644
11.103.2	Amendments to procedures.....	1645
11.103.3.	Exemption for certain metering installations.....	1646
11.103.4	New or replacement meters	1647
11.103.5	Metering installations exempt from metering data provision requirements.....	1647

11.103.6 Exemption from meter data storage requirements 1647

11.103.7 Default offers and bids submitted prior to the commencement date 1647

Part ZZZF Contestability of energy services 1647

11.104 Rules consequential on the making of the National Electricity Amendment (Contestability of energy services) Rule 2017..... 1647

11.104.1 Definitions..... 1647

11.104.2 New guidelines..... 1649

11.104.3 Transitional arrangements for application of Distribution Service Classification Guidelines and service classification provisions 1649

11.104.4 Transitional arrangements for application of Asset Exemption Guidelines, exemption applications and asset exemption decisions..... 1650

11.104.5 Transitional arrangements for adjustment in value of regulatory asset base..... 1651

Part ZZZG Declaration of lack of reserve conditions..... 1652

11.105 Making of lack of reserve declaration guidelines..... 1652

11.105.1 Definitions..... 1652

11.105.2 Making of lack of reserve declaration guidelines 1652

Part ZZZH Implementation of demand management incentive scheme 1652

11.106 Implementation of demand management incentive scheme 1652

11.106.1 Definitions..... 1652

11.106.2 Purpose..... 1653

11.106.3 Early application of revised demand management incentive scheme 1653

Part ZZZI Reinstatement of long notice Reliability and Emergency Reserve Trader 1655

11.107 Rules consequential on the making of the National Electricity Amendment (Reinstatement of long notice Reliability and Emergency Reserve Trader) Rule 2018 1655

11.107.1 Definitions..... 1655

11.107.2 New RERT guidelines 1655

11.107.3 Amendments to RERT procedures 1659

11.107.4 Reserve contracts entered into before the commencement date 1659

Part ZZZJ Register of distributed energy resources 1659

11.108 Rules consequential on the making of the National Electricity Amendment (Register of distributed energy resources) Rule 2018..... 1659

11.108.1 Definitions..... 1659

11.108.2 AEMO to develop and publish DER register information guidelines 1659

11.108.3 NSPs to provide AEMO with existing DER generation information 1659

Part ZZZK Generator technical performance standards..... 1660

11.109 Rules consequential on the making of the National Electricity Amendment (Generator technical performance standards) Rule 2018..... 1660

11.109.1 Definitions..... 1660

11.109.2 Application of the Amending Rule to existing connection enquiries 1661

11.109.3	Application of the Amending Rule to existing applications to connect	1662
11.109.4	Application of the Amending Rule to existing offers to connect	1664
11.109.5	Application of the Amending Rule to Existing Connection Agreements	1665
Part ZZZL	Generator three year notice of closure.....	1665
11.110	Rules consequential on the making of the National Electricity Amendment (Generator three year notice of closure) Rule 2018.....	1665
11.110.1	Definitions.....	1665
11.110.2	AER to develop and publish notice of closure exemption guideline.....	1666
11.110.3	Application of Amending Rule to AEMO	1666
11.110.4	Application of Amending Rule to Generators	1666
Part ZZZM	Participant compensation following market suspension	1666
11.111	Rules consequential on the making of the National Electricity Amendment (Participant compensation following market suspension) Rule 2018.....	1666
11.111.1	Definitions.....	1666
11.111.2	Market suspension compensation methodology and schedule of benchmark values.....	1666
Part ZZZN	Global settlement and market reconciliation	1667
11.112	Rules consequential on the making of the National Electricity Amendment (Global settlement and market reconciliation) Rule 2018.....	1667
11.112.1	Definitions.....	1667
11.112.2	Amendments to AEMO procedures.....	1667
11.112.3	AEMO to publish report on unaccounted for energy trends.....	1668
11.112.4	Continuation of registration for non-market generators	1668
11.112.5	Publication of UFE data by AEMO	1668
11.112.6	Publication of UFE reporting guidelines	1668
Part ZZZO	Metering installation timeframes	1668
11.113	Rules consequential on making of the National Electricity Amendment (Metering installation timeframes) Rule 2018.....	1668
11.113.1	Definitions.....	1668
11.113.2	Timeframes for meters to be installed	1669
Part ZZZP	Early implementation of ISP priority projects	1669
11.114	National Electricity Amendment (Early implementation of ISP priority projects) Rule 2019	1669
11.114.1	Definitions.....	1669
11.114.2	Modifications to clause 5.16.6 for ISP VNI and QNI projects	1670
11.114.3	Modifications to clause 6A.8.2 for ISP projects	1671
Part ZZZQ	Enhancement to the Reliability and Emergency Reserve Trader	1674
11.115	Rules consequential on the making of the National Electricity Amendment (Enhancement to the reliability and emergency reserve trader) Rule 2019	1674
11.115.1	Definitions.....	1674

11.115.2 New RERT guidelines 1675
11.115.3 Amendments to RERT procedures 1675
11.115.4 Reserve contracts entered into before the commencement date 1675
11.115.5 Clause 3.20.6 (Reporting on RERT by AEMO) 1675