

National Electricity Rules Version 88

Historical Information

This version of the National Electricity Rules was current from 1 January 2017 to 8 February 2017.

National Electricity Rules Version 88

Status Information

This is the latest electronically available version of the National Electricity Rules as at 1 January 2017.

This consolidated version of the National Electricity Rules was last updated on 1 January 2017 as a result of the commencement of the following amendments:

Schedule 2 of the National Electricity Amendment (Distribution Network Pricing Arrangements) Rule 2014 No. 9

National Electricity Amendment (Market participant suspension) Rule 2016 No. 11

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

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

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

Application of the National Energy Customer Framework related Rule

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

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

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

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

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

Provisions in force

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

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

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

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

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

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

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

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

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

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

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

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

TABLE OF CONTENTS

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	14
2.2.3	Non-Scheduled Generator.....	15
2.2.4	Market Generator	16
2.2.5	Non-Market Generator	17
2.2.6	Ancillary services generating unit	17
2.2.7	Semi-Scheduled Generator	19
2.3	Customer.....	21
2.3.1	Registration as a Customer	21
2.3.2	First-Tier Customer.....	21
2.3.3	Second-Tier Customer	22

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

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

2A.12	AEMO region change implementation functions.....	65
2A.12.1	General implementation functions.....	65
2A.12.2	Implementation functions referable to published implementation procedure.....	65
2A.12.3	Amendment of current or subsequent Regions and Loss Factors Publication	65
2A.13	Continuity of regions	65
Schedule 2A.1	Glossary for Chapter 2A	66
3.	Market Rules	71
3.1	Introduction to Market Rules	71
3.1.1	Purpose.....	71
3.1.1A	Definitions.....	71
3.1.2	[Deleted]	72
3.1.3	[Deleted]	72
3.1.4	Market design principles.....	72
3.1.5	Time for undertaking action.....	73
3.2	AEMO's Market Responsibilities.....	73
3.2.1	Market functions of AEMO	73
3.2.2	Spot market	74
3.2.3	Power system operations.....	74
3.2.4	Non-market ancillary services function	74
3.2.5	[Deleted]	75
3.2.6	Settlements.....	75
3.3	Prudential Requirements	75
3.3.1	Market Participant criteria	75
3.3.2	Credit support.....	75
3.3.3	Acceptable credit criteria	76
3.3.4	Acceptable credit rating	77
3.3.4A	Prudential standard.....	77
3.3.5	Amount of credit support	77
3.3.6	Changes to credit support.....	77
3.3.7	Drawings on credit support.....	78
3.3.8	Credit limit procedures and prudential settings	79
3.3.8A	Security Deposits	81
3.3.9	Outstandings	81
3.3.10	Trading limit	82
3.3.11	Call notices.....	82
3.3.12	Typical accrual.....	83
3.3.13	Response to Call Notices	83
3.3.13A	Application of monies in the security deposit fund	84
3.3.14	Potential value of a transaction	85
3.3.15	Trading margin.....	86
3.3.16	Limitation on entry of transactions	86
3.3.17	Scheduled prices	86
3.3.18	Additional credit support	87
3.3.19	Consideration of other Market Participant transactions.....	87

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

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

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

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

Scheduled Load Data:	301
Scheduled Network Service Data:.....	302
Ancillary Service Generating Unit and Ancillary Service Load Data:	302
Dispatch Inflexibility Profile:.....	303
Aggregation Data:	303
Schedule 3.2 [Deleted]	303
Schedule 3.3 [Deleted]	303
 4. Power System Security	 307
4.1 Introduction.....	307
4.1.1 Purpose.....	307
4.2 Definitions and Principles	307
4.2.1 [Deleted]	307
4.2.2 Satisfactory Operating State	307
4.2.3 Credible and non-credible contingency events	308
4.2.3A Re-classifying contingency events.....	309
4.2.3B Criteria for re-classifying contingency events	311
4.2.4 Secure operating state and power system security.....	311
4.2.5 Technical envelope	311
4.2.6 General principles for maintaining power system security.....	312
4.2.7 Reliable Operating State	313
4.2.8 Time for undertaking action.....	313
4.3 Power System Security Responsibilities and Obligations	313
4.3.1 Responsibility of AEMO for power system security	313
4.3.2 System security	316
4.3.3 The role of System Operators	318
4.3.4 Network Service Providers	320
4.3.5 Market Customer obligations.....	322
4.4 Power System Frequency Control.....	323
4.4.1 Power system frequency control responsibilities.....	323
4.4.2 Operational frequency control requirements	323
4.4.3 Generator protection requirements	324
4.5 Control of Power System Voltage.....	324
4.5.1 Power system voltage control	324
4.5.2 Reactive power reserve requirements	325
4.5.3 Audit and testing.....	325
4.6 Protection of Power System Equipment	326
4.6.1 Power system fault levels.....	326
4.6.2 Power system protection co-ordination	326
4.6.3 Audit and testing.....	326
4.6.4 Short-term thermal ratings of power system.....	326
4.6.5 Partial outage of power protection systems	326
4.7 Power System Stability Co-ordination.....	327
4.7.1 Stability analysis co-ordination.....	327
4.7.2 Audit and testing.....	327

4.8	Power System Security Operations	328
4.8.1	Registered Participants' advice	328
4.8.2	Protection or control system abnormality	328
4.8.3	AEMO's advice on power system emergency conditions	328
4.8.4	Declaration of conditions	329
4.8.5	Managing declarations of conditions	329
4.8.5A	Determination of the latest time for AEMO intervention	330
4.8.5B	Notifications of last time of AEMO intervention	331
4.8.6	[Deleted]	331
4.8.7	Managing a power system contingency event	331
4.8.8	[Deleted]	332
4.8.9	Power to issue directions and clause 4.8.9 instructions	332
4.8.9A	System security directions	334
4.8.10	Disconnection of generating units and market network services.....	334
4.8.11	[Deleted]	335
4.8.12	System restart plan and local black system procedures	335
4.8.13	[Deleted]	336
4.8.14	Power system restoration	336
4.8.15	Review of operating incidents	337
4.9	Power System Security Related Market Operations	339
4.9.1	Load forecasting.....	339
4.9.2	Instructions to Scheduled Generators and Semi-Scheduled Generators	340
4.9.2A	Dispatch Instructions to Scheduled Network Service Providers	341
4.9.3	Instructions to Registered Participants.....	341
4.9.3A	Ancillary services instructions	342
4.9.3B	Compliance with dispatch instructions	343
4.9.4	Dispatch related limitations on Scheduled Generators and Semi-Scheduled Generators.....	343
4.9.4A	Dispatch related limitations on Scheduled Network Service Providers	345
4.9.5	Form of dispatch instructions.....	345
4.9.6	Commitment of scheduled generating units	346
4.9.7	De-commitment, or output reduction, by Scheduled Generators	347
4.9.8	General responsibilities of Registered Participants	348
4.9.9	Scheduled Generator plant changes	349
4.9.9A	Scheduled Network Service Provider plant changes	349
4.9.9B	Ancillary service plant changes	350
4.10	Power System Operating Procedures.....	350
4.10.1	Power system operating procedures.....	350
4.10.2	Transmission network operations	351
4.10.3	Operating interaction with distribution networks	352
4.10.4	Switching of a Distributor's high voltage networks.....	352
4.10.5	Switching of reactive power facilities.....	352
4.10.6	Automatic reclose	353
4.10.7	Inspection of facilities by AEMO	353
4.11	Power System Security Support	353
4.11.1	Remote control and monitoring devices	353
4.11.2	Operational control and indication communication facilities.....	355

4.11.3	Power system voice/data operational communication facilities	355
4.11.4	Records of power system operational communication	357
4.11.5	Agent communications	358
4.12	Nomenclature Standards.....	359
4.13	[Deleted]	360
4.14	Acceptance of Performance Standards.....	360
4.15	Compliance with Performance Standards.....	361
4.16	Transitioning arrangements for establishment of performance standards.....	365
4.16.1	Definitions.....	365
4.16.2	Exclusions	367
4.16.3	Notification and acceptance of performance standards	368
4.16.4	Actual capability	373
4.16.5	Criteria for, and negotiation of, performance standards	374
4.16.6	Consultation with and assistance by Network Service Providers.....	376
4.16.7	Referral to expert determination	377
4.16.8	Prior actions	378
4.16.9	Deemed performance standards	378
4.16.10	Modification of connection agreements.....	378
4.17	Expert determination.....	379
4.17.1	Performance standards committee and appointment of performance standards experts	379
4.17.2	Referral to performance standards expert	380
4.17.3	Determinations of performance standards experts.....	381
4.17.4	Other matters.....	382
5.	Network Connection, Planning and Expansion	385
Part A	Network Connection	385
5.1	Statement of Purpose	385
5.1.1	[Deleted]	385
5.1.2	Purpose and Application	385
5.1.3	Principles.....	387
5.2	Obligations.....	388
5.2.1	Obligations of Registered Participants.....	388
5.2.2	Connection agreements	388
5.2.3	Obligations of network service providers	389
5.2.4	Obligations of customers	393
5.2.5	Obligations of Generators	394
5.2.6	Obligations of AEMO	395
5.3	Establishing or Modifying Connection	395
5.3.1	Process and procedures	395
5.3.1A	Application of rule to connection of embedded generating units	396
5.3.2	Connection enquiry	396
5.3.3	Response to connection enquiry	397
5.3.4	Application for connection	400

5.3.4A	Negotiated access standards.....	401
5.3.5	Preparation of offer to connect	403
5.3.6	Offer to connect	404
5.3.7	Finalisation of connection agreements.....	408
5.3.7A	Application for connection to declared shared network	409
5.3.8	Provision and use of information.....	410
5.3.9	Procedure to be followed by a Generator proposing to alter a generating system.....	411
5.3.10	Acceptance of performance standards for generating plant that is altered.....	413
5.3.11	Notification of request to change normal voltage.....	413
5.3A	Establishing or modifying connection - embedded generation.....	414
5.3A.1	Application of rule 5.3A	414
5.3A.2	Definitions and miscellaneous	414
5.3A.3	Publication of Information.....	415
5.3A.4	Fees	417
5.3A.5	Enquiry.....	418
5.3A.6	Response to Enquiry	419
5.3A.7	Preliminary Response to Enquiry	419
5.3A.8	Detailed Response to Enquiry.....	420
5.3A.9	Application for connection	421
5.3A.10	Preparation of offer to connect	422
5.3A.11	Technical Dispute	423
5.4	Design of Connected Equipment	423
5.4.1	Application.....	423
5.4.2	Advice of inconsistencies	423
5.4.3	Additional information.....	424
5.4.4	Advice on possible non-compliance	424
5.4.5	Register of completed embedded generation projects	424
5.4A	Access arrangements relating to Transmission Networks	425
5.4AA	Network support payments and functions.....	428
5.5	Access arrangements relating to Distribution Networks	428
5.5A	[Deleted]	432
5.6	[Deleted]	432
5.6A	[Deleted]	432
5.7	Inspection and Testing.....	432
5.7.1	Right of entry and inspection.....	432
5.7.2	Right of testing.....	434
5.7.3	Tests to demonstrate compliance with connection requirements for generators.....	436
5.7.4	Routine testing of protection equipment.....	437
5.7.5	Testing by Registered Participants of their own plant requiring changes to normal operation	439
5.7.6	Tests of generating units requiring changes to normal operation	441
5.7.7	Inter-network power system tests	442
5.8	Commissioning	449

5.8.1	Requirement to inspect and test equipment	449
5.8.2	Co-ordination during commissioning	450
5.8.3	Control and protection settings for equipment.....	450
5.8.4	Commissioning program.....	451
5.8.5	Commissioning tests	452
5.9	Disconnection and Reconnection	453
5.9.1	Voluntary disconnection	453
5.9.2	Decommissioning procedures	453
5.9.3	Involuntary disconnection.....	454
5.9.4	Direction to disconnect	454
5.9.4A	Notification of disconnection.....	455
5.9.5	Disconnection during an emergency.....	455
5.9.6	Obligation to reconnect.....	456
Part B	Network Planning and Expansion	457
5.10	Network development generally	457
5.10.1	Content of Part B	457
5.10.2	Definitions.....	457
5.10.3	Interpretation.....	461
5.11	Forecasts of connection to transmission network and identification of system limitations.....	462
5.11.1	Forecasts for connection to transmission network.....	462
5.11.2	Identification of network limitations	462
5.12	Transmission annual planning process	463
5.12.1	Transmission annual planning review	463
5.12.2	Transmission Annual Planning Report	463
5.13	Distribution annual planning process	465
5.13.1	Distribution annual planning review.....	465
5.13.2	Distribution Annual Planning Report	467
5.13A	Distribution zone substation information	468
5.14	Joint planning.....	471
5.14.1	Joint planning obligations of Transmission Network Service Providers and Distribution Network Service Providers.....	471
5.14.2	Joint planning obligations of Distribution Network Service Providers and Distribution Network Service Providers.....	472
5.15	Regulatory investment tests generally	473
5.15.1	Interested parties	473
5.15.2	Identification of a credible option.....	473
5.15.3	Review of costs thresholds.....	474
5.15.4	Costs determinations	476
5.16	Regulatory investment test for transmission	477
5.16.1	Principles.....	477
5.16.2	Regulatory investment test for transmission application guidelines.....	480
5.16.3	Investments subject to the regulatory investment test for transmission	481
5.16.4	Regulatory investment test for transmission procedures	483

5.16.5	Disputes in relation to application of regulatory investment test for transmission	489
5.16.6	Determination that preferred option satisfies the regulatory investment test for transmission.....	491
5.17	Regulatory investment test for distribution	492
5.17.1	Principles.....	492
5.17.2	Regulatory investment test for distribution application guidelines	494
5.17.3	Projects subject to the regulatory investment test for distribution.....	496
5.17.4	Regulatory investment test for distribution procedures	497
5.17.5	Disputes in relation to application of regulatory investment test for distribution	503
5.18	Construction of funded augmentations.....	505
5.19	SENE Design and Costing Study	505
5.19.1	Definitions.....	505
5.19.2	Interpretation.....	506
5.19.3	Request for SENE Design and Costing Study	506
5.19.4	Content of SENE Design and Costing Study.....	508
5.19.5	Co-operation of other Network Service Providers.....	509
5.19.6	Publication of SENE Design and Costing Study report.....	509
5.19.7	Provision and use of information	509
5.20	National transmission planning	510
5.20.1	Preliminary consultation	510
5.20.2	Publication of NTNDP.....	511
5.20.3	Development strategies for national transmission flow paths	513
5.20.4	NTNDP database	514
5.20.5	Jurisdictional planning bodies and jurisdictional planning representatives.....	515
5.20.6	NTP Functions.....	515
5.21	AEMO's obligation to publish information and guidelines and provide advice.....	515
5.22	Last resort planning power	517
Schedule 5.1a	System standards	520
S5.1a.1	Purpose.....	520
S5.1a.2	Frequency.....	521
S5.1a.3	System stability	521
S5.1a.4	Power frequency voltage.....	521
S5.1a.5	Voltage fluctuations	522
S5.1a.6	Voltage waveform distortion	523
S5.1a.7	Voltage unbalance.....	523
S5.1a.8	Fault clearance times.....	524
Schedule 5.1	Network Performance Requirements to be Provided or Co-ordinated by Network Service Providers	525
S5.1.1	Introduction.....	525
S5.1.2	Network reliability	526
S5.1.2.1	Credible contingency events	526
S5.1.2.2	Network service within a region	527

S5.1.2.3	Network service between regions	528
S5.1.3	Frequency variations	529
S5.1.4	Magnitude of power frequency voltage	529
S5.1.5	Voltage fluctuations	530
S5.1.6	Voltage harmonic or voltage notching distortion	531
S5.1.7	Voltage unbalance.....	532
S5.1.8	Stability	533
S5.1.9	Protection systems and fault clearance times.....	534
S5.1.10	Load and network control facilities	538
S5.1.10.1	General.....	538
S5.1.10.2	Distribution Network Service Providers.....	538
S5.1.10.3	Transmission Network Service Providers.....	539
S5.1.11	Automatic reclosure of transmission or distribution lines	539
S5.1.12	Rating of transmission lines and equipment	539
S5.1.13	Information to be provided	540
Schedule 5.2	Conditions for Connection of Generators.....	540
S5.2.1	Outline of requirements	540
S5.2.2	Application of Settings	541
S5.2.3	Technical matters to be coordinated	542
S5.2.4	Provision of information	543
S5.2.5	Technical requirements.....	545
S5.2.5.1	Reactive power capability.....	545
S5.2.5.2	Quality of electricity generated.....	547
S5.2.5.3	Generating unit response to frequency disturbances	548
S5.2.5.4	Generating system response to voltage disturbances.....	551
S5.2.5.5	Generating system response to disturbances following contingency events	553
S5.2.5.6	Quality of electricity generated and continuous uninterrupted operation	556
S5.2.5.7	Partial load rejection	556
S5.2.5.8	Protection of generating systems from power system disturbances	557
S5.2.5.9	Protection systems that impact on power system security.....	559
S5.2.5.10	Protection to trip plant for unstable operation	560
S5.2.5.11	Frequency control	561
S5.2.5.12	Impact on network capability.....	564
S5.2.5.13	Voltage and reactive power control	565
S5.2.5.14	Active power control.....	571
S5.2.6	Monitoring and control requirements	573
S5.2.6.1	Remote Monitoring.....	573
S5.2.6.2	Communications equipment	575
S5.2.7	Power station auxiliary supplies	576
S5.2.8	Fault current	576
Schedule 5.3	Conditions for Connection of Customers	578
S5.3.1a	Introduction to the schedule.....	578
S5.3.1	Information	579
S5.3.2	Design standards	580
S5.3.3	Protection systems and settings	580
S5.3.4	Settings of protection and control systems	581
S5.3.5	Power factor requirements	582

S5.3.6	Balancing of load currents	583
S5.3.7	Voltage fluctuations	584
S5.3.8	Harmonics and voltage notching	584
S5.3.9	Design requirements for Network Users' substations	585
S5.3.10	Load shedding facilities	585
Schedule 5.3a	Conditions for connection of Market Network Services	586
S5.3a.1a	Introduction to the schedule	586
S5.3a.1	Provision of Information	587
S5.3a.2	Application of settings	588
S5.3a.3	Technical matters to be co-ordinated	589
S5.3a.4	Monitoring and control requirements	589
S5.3a.4.1	Remote Monitoring	589
S5.3a.4.2	[Deleted]	590
S5.3a.4.3	Communications equipment	590
S5.3a.5	Design standards	591
S5.3a.6	Protection systems and settings	591
S5.3a.7	[Deleted]	593
S5.3a.8	Reactive power capability	593
S5.3a.9	Balancing of load currents	593
S5.3a.10	Voltage fluctuations	594
S5.3a.11	Harmonics and voltage notching	594
S5.3a.12	Design requirements for Market Network Service Providers' substations	595
S5.3a.13	Market network service response to disturbances in the power system	595
S5.3a.14	Protection of market network services from power system disturbances	596
Schedule 5.4	Information to be Provided with Preliminary Enquiry	597
Schedule 5.4A	Preliminary Response	597
Schedule 5.4B	Detailed Response to Enquiry	600
Schedule 5.5	Technical Details to Support Application for Connection and Connection Agreement	602
S5.5.1	Introduction to the schedule	602
S5.5.2	Categories of data	602
S5.5.3	Review, change and supply of data	603
S5.5.4	Data Requirements	603
S5.5.5	Asynchronous generating unit data	604
S5.5.6	Generating units equal to or smaller than 30MW data	604
S5.5.7	Generating System Design Data Sheet, Generating System Setting Data Sheet and Generating System Model Guidelines	604
Schedule 5.5.1	[Deleted]	606
Schedule 5.5.2	[Deleted]	606
Schedule 5.5.3	Network and plant technical data of equipment at or near connection point	606
Schedule 5.5.4	Network Plant and Apparatus Setting Data	609
Schedule 5.5.5	Load Characteristics at Connection Point	611
Schedule 5.6	Terms and Conditions of Connection agreements	612

Schedule 5.7	Annual Forecast Information for Planning Purposes	613
Schedule 5.8	Distribution Annual Planning Report.....	615
Schedule 5.9	Demand side engagement document (clause 5.13.1(h))	621
 Chapter 5A	 Electricity connection for retail customers.....	 625
Part A	Preliminary.....	625
5A.A.1	Definitions.....	625
5A.A.2	Application of this Chapter.....	628
5A.A.3	Small Generation Aggregator deemed to be agent of a retail customer	629
Part B	Standardised offers to provide basic and standard connection services	629
Division 1	Basic connection services.....	629
5A.B.1	Obligation to have model standing offer to provide basic connection services	629
5A.B.2	Proposed model standing offer for basic connection services	630
Division 2	Standard connection services.....	632
5A.B.4	Standard connection services	632
5A.B.5	Approval of model standing offer to provide standard connection services.....	633
Division 3	Miscellaneous.....	633
5A.B.6	Amendment etc of model standing offer	633
5A.B.7	Publication of model standing offers	634
Part C	Negotiated connection.....	634
5A.C.1	Negotiation of connection	634
5A.C.2	Process of negotiation	635
5A.C.3	Negotiation framework.....	635
5A.C.4	Fee to cover cost of negotiation.....	637
Part D	Application for connection service	638
Division 1	Information.....	638
5A.D.1	Publication of information	638
5A.D.1A	Register of completed embedded generation projects	638
Division 2	Preliminary enquiry.....	640
5A.D.2	Preliminary enquiry	640
Division 3	Applications	641
5A.D.3	Application process.....	641
5A.D.4	Site inspection.....	642
Part E	Connection charges	642
5A.E.1	Connection charge principles.....	642
5A.E.2	Itemised statement of connection charges	644

5A.E.3	Connection charge guidelines	644
5A.E.4	Payment of connection charges.....	646
Part F	Formation and integration of connection contracts	647
Division 1	Offer and acceptance – basic and standard connection services	647
5A.F.1	Distribution Network Service Provider’s response to application.....	647
5A.F.2	Acceptance of connection offer	647
5A.F.3	Offer and acceptance—application for expedited connection	647
Division 2	Offer and acceptance – negotiated connection	648
5A.F.4	Negotiated connection offer	648
Division 3	Formation of contract.....	649
5A.F.5	Acceptance of connection offer	649
Division 4	Contractual performance	649
5A.F.6	Carrying out connection work	649
5A.F.7	Retailer required for energisation where new connection	650
Part G	Dispute resolution between Distribution Network Service Providers and customers	650
5A.G.1	Relevant disputes	650
5A.G.2	Determination of dispute	650
5A.G.3	Termination of proceedings	651
SCHEDULE 5A.1	– Minimum content requirements for connection contract.....	651
Part A	Connection offer not involving embedded generation.....	651
Part B	Connection offer involving embedded generation.....	652
6	Economic Regulation of Distribution Services	657
Part A	Introduction.....	657
6.1	Introduction to Chapter 6	657
6.1.1	AER's regulatory responsibility	657
6.1.1A	[Deleted]	657
6.1.2	Structure of this Chapter	657
6.1.3	Access to direct control services and negotiated distribution services.....	658
6.1.4	Prohibition of DUOS charges for the export of energy	658
Part B	Classification of Distribution Services and Distribution Determinations	659
6.2	Classification	659
6.2.1	Classification of distribution services	659
6.2.2	Classification of direct control services as standard control services or alternative control services	660
6.2.3	Term for which classification operates	661
6.2.4	Duty of AER to make distribution determinations	661
6.2.5	Control mechanisms for direct control services.....	661
6.2.6	Basis of control mechanisms for direct control services	662
6.2.7	Negotiated distribution services.....	663

6.2.8	Guidelines	663
Part C	Building Block Determinations for standard control services.....	664
6.3	Building block determinations.....	664
6.3.1	Introduction.....	664
6.3.2	Contents of building block determination.....	664
6.4	Post-tax revenue model.....	665
6.4.1	Preparation, publication and amendment of post-tax revenue model.....	665
6.4.2	Contents of post-tax revenue model	665
6.4.3	Building block approach	665
6.4.4	Shared assets	667
6.4.5	Expenditure Forecast Assessment Guidelines	668
6.4A	Capital expenditure incentive mechanisms	668
6.5	Matters relevant to the making of building block determinations.....	669
6.5.1	Regulatory asset base	669
6.5.2	Return on capital	670
6.5.3	Estimated cost of corporate income tax	673
6.5.4	[Deleted]	674
6.5.5	Depreciation	674
6.5.6	Forecast operating expenditure	674
6.5.7	Forecast capital expenditure	677
6.5.8	Efficiency benefit sharing scheme	681
6.5.8A	Capital expenditure sharing scheme	682
6.5.9	The X factor	683
6.5.10	Pass through events.....	684
6.6	Adjustments after making of building block determination.	684
6.6.1	Cost pass through.....	684
6.6.1A	Reporting on jurisdictional schemes.....	691
6.6.2	Service target performance incentive scheme.....	692
6.6.3	Demand management incentive scheme	693
6.6.3A	Demand management innovation allowance mechanism	694
6.6.4	Small-scale incentive scheme	695
6.6.5	Reopening of distribution determination for capital expenditure	697
6.6A	Contingent Projects	700
6.6A.1	Acceptance of a contingent project in a distribution determination	700
6.6A.2	Amendment of distribution determination for contingent project	701
Part D	Negotiated distribution services.....	706
6.7	Negotiated distribution services.....	706
6.7.1	Principles relating to access to negotiated distribution services	706
6.7.2	Determination of terms and conditions of access for negotiated distribution services	708
6.7.3	Negotiating framework determination	709
6.7.4	Negotiated Distribution Service Criteria determination	709
6.7.5	Preparation of and requirements for negotiating framework for negotiated distribution services.....	709
6.7.6	Confidential information.....	711

Part DA	Connection policies	712
6.7A	Connection policy requirements	712
6.7A.1	Preparation of, and requirements for, connection policy	712
Part E	Regulatory proposal and proposed tariff structure statement	713
6.8	Regulatory proposal and proposed tariff structure statement	713
6.8.1	AER's framework and approach paper	713
6.8.1A	Notification of approach to forecasting expenditure	716
6.8.2	Submission of regulatory proposal and tariff structure statement	716
6.9	Preliminary examination and consultation	718
6.9.1	Preliminary examination	718
6.9.2	Resubmission of proposal	719
6.9.2A	Confidential information	719
6.9.3	Consultation	719
6.10	Draft distribution determination and further consultation	720
6.10.1	Making of draft distribution determination	720
6.10.2	Publication of draft determination and consultation	721
6.10.3	Submission of revised proposal	721
6.10.4	Submissions on specified matters	722
6.11	Distribution determination	722
6.11.1	Making of distribution determination	722
6.11.1A	Out of scope revised regulatory proposal or late submissions	723
6.11.2	Notice of distribution determination	724
6.11.3	Commencement of distribution determination	724
6.12	Requirements relating to draft and final distribution determinations	724
6.12.1	Constituent decisions	724
6.12.2	Reasons for decisions	727
6.12.3	Extent of AER's discretion in making distribution determinations	728
6.13	Revocation and substitution of distribution determination for wrong information or error	729
6.14	Miscellaneous	730
6.14A	Distribution Confidentiality Guidelines	731
Part F	Cost Allocation	731
6.15	Cost allocation	731
6.15.1	Duty to comply with Cost Allocation Method	731
6.15.2	Cost Allocation Principles	731
6.15.3	Cost Allocation Guidelines	732
6.15.4	Cost Allocation Method	733
Part G	Distribution consultation procedures	734
6.16	Distribution consultation procedures	734
Part H	Ring-Fencing Arrangements for Distribution Network Service Providers	736
6.17	Distribution Ring-Fencing Guidelines	736

6.17.1	Compliance with Distribution Ring-Fencing Guidelines	736
6.17.2	Development of Distribution Ring-Fencing Guidelines	736
Part I	Distribution Pricing Rules.....	737
6.18	Distribution Pricing Rules.....	737
6.18.1	Application of this Part	737
6.18.1A	Tariff structure statement	737
6.18.1B	Amending a tariff structure statement with the AER's approval	738
6.18.1C	Sub-threshold tariffs.....	739
6.18.2	Pricing proposals.....	740
6.18.3	Tariff classes	742
6.18.4	Principles governing assignment or re-assignment of retail customers to tariff classes and assessment and review of basis of charging.....	742
6.18.5	Pricing principles	743
6.18.6	Side constraints on tariffs for standard control services	745
6.18.7	Recovery of designated pricing proposal charges	746
6.18.7A	Recovery of jurisdictional scheme amounts	747
6.18.8	Approval of pricing proposal	750
6.18.9	Publication of information about tariffs and tariff classes.....	752
6.19.	Data Required for Distribution Service Pricing	752
6.19.1	Forecast use of networks by Distribution Customers and Embedded Generators	752
6.19.2	Confidentiality of distribution network pricing information	752
Part J	Billing and Settlements	753
6.20	Billing and Settlements Process	753
6.20.1	Billing for distribution services	753
6.20.2	Minimum information to be provided in distribution network service bills	755
6.20.3	Settlement between Distribution Network Service Providers	755
6.20.4	Obligation to pay.....	755
Part K	Prudential requirements, capital contributions and prepayments	756
6.21	Distribution Network Service Provider Prudential Requirements.....	756
6.21.1	Prudential requirements for distribution network service.....	756
6.21.2	Capital contributions, prepayments and financial guarantees.....	757
6.21.3	Treatment of past prepayments and capital contributions	757
Part L	Dispute resolution	757
6.22	Dispute Resolution	757
6.22.1	Dispute Resolution by the AER.....	757
6.22.2	Determination of dispute.....	758
6.22.3	Termination of access dispute without access determination.....	759
Part M	Separate disclosure of transmission and distribution charges	760
6.23	Separate disclosure of transmission and distribution charges	760
Part N	Dual Function Assets	761

6.24	Dual Function Assets	761
6.24.1	Application of this Part	761
6.24.2	Dual Function Assets	761
6.25	AER determination of applicable pricing regime for Dual Function Assets.....	761
6.26	Division of Distribution Network Service Provider's revenue.....	762
Part O	Annual Benchmarking Report.....	764
6.27	Annual Benchmarking Report.....	764
Part P	Distribution Reliability Measures Guidelines	764
6.28	Distribution Reliability Measures Guidelines	764
Schedule 6.1	Contents of building block proposals.....	764
S6.1.1	Information and matters relating to capital expenditure	764
S6.1.2	Information and matters relating to operating expenditure.....	766
S6.1.3	Additional information and matters	766
Schedule 6.2	Regulatory Asset Base	769
S6.2.1	Establishment of opening regulatory asset base for a regulatory control period	769
S6.2.2	Prudency and efficiency of capital expenditure	774
S6.2.2A	Reduction for inefficient past capital expenditure	774
S6.2.2B	Depreciation.....	777
S6.2.3	Roll forward of regulatory asset base within the same regulatory control period	777
6A.	Economic Regulation of Transmission Services	781
Part A	Introduction.....	781
6A.1	Introduction to Chapter 6A	781
6A.1.1	Economic regulation of transmission services generally	781
6A.1.2	Meaning of terms and conditions of access for transmission services.....	782
6A.1.3	Access to prescribed and negotiated transmission services	782
6A.1.4	National regulatory arrangements.....	783
6A.1.5	Application of Chapter 6A to Market Network Service Providers.....	783
6A.1.6	Application of Chapter 6A to AEMO and declared transmission system operators.....	784
Part B	Transmission Determinations Generally	784
6A.2	Transmission determinations.....	784
6A.2.1	Duty of AER to make transmission determinations	784
6A.2.2	Components of transmission determinations	784
6A.2.3	Guidelines	784
Part C	Regulation of Revenue - Prescribed Transmission Services	785
6A.3	Allowed revenue from prescribed transmission services	785
6A.3.1	Allowed revenue for regulatory year	785
6A.3.2	Adjustment of maximum allowed revenue	786

6A.4	Revenue determinations	786
6A.4.1	Introduction.....	786
6A.4.2	Contents of revenue determination	786
6A.5	Post-tax revenue model.....	787
6A.5.1	Introduction.....	787
6A.5.2	Preparation, publication and amendment of post-tax revenue model.....	788
6A.5.3	Contents of post-tax revenue model	788
6A.5.4	Building blocks approach	789
6A.5.5	Shared assets	790
6A.5.6	Expenditure Forecast Assessment Guidelines	791
6A.5A	Capital expenditure incentive mechanisms	792
6A.6	Matters relevant to the making of revenue determinations.....	792
6A.6.1	Regulatory asset base	792
6A.6.2	Return on capital	794
6A.6.3	Depreciation.....	796
6A.6.4	Estimated cost of corporate income tax	798
6A.6.5	Efficiency benefit sharing scheme	798
6A.6.5A	Capital expenditure sharing scheme	799
6A.6.6	Forecast operating expenditure	800
6A.6.7	Forecast capital expenditure	803
6A.6.8	The X factor	807
6A.6.9	Pass through events.....	808
6A.7	Matters relevant to the adjustment of revenue cap after making of revenue determination	808
6A.7.1	Reopening of revenue determination for capital expenditure.....	808
6A.7.2	Network support pass through	811
6A.7.3	Cost pass through.....	813
6A.7.4	Service target performance incentive scheme.....	819
6A.7.5	Small-scale incentive scheme	821
6A.8	Contingent Projects	822
6A.8.1	Acceptance of a Contingent Project in a revenue determination	822
6A.8.2	Amendment of revenue determination for contingent project.....	823
Part D	Negotiated Transmission Services	828
6A.9	Negotiated transmission services	828
6A.9.1	Principles relating to access to negotiated transmission services	828
6A.9.2	Determination of terms and conditions of access for negotiated transmission services	830
6A.9.3	Negotiating framework determination	830
6A.9.4	Negotiated transmission criteria determination	830
6A.9.5	Preparation of and requirements for negotiating framework.....	831
6A.9.6	Confidential information.....	833
6A.9.7	Commercial arbitration for negotiated transmission services.....	833
Part E	Procedure – Revenue determinations, negotiating frameworks and pricing methodologies	833
6A.10	Revenue Proposal, proposed negotiating framework and proposed pricing methodology.....	833

6A.10.1A	AER's framework and approach paper	833
6A.10.1B	Notification of approach to forecasting expenditure	835
6A.10.1	Submission of proposal, framework, pricing methodology and information.....	836
6A.10.2	[Deleted]	837
6A.11	Preliminary examination and consultation	837
6A.11.1	Preliminary examination and determination of non-compliance with relevant requirements.....	837
6A.11.2	Resubmission of proposal, framework, pricing methodology or information.....	838
6A.11.2A	Confidential information.....	838
6A.11.3	Consultation	839
6A.12	Draft decision and further consultation.....	840
6A.12.1	Making of draft decision.....	840
6A.12.2	Publication of draft decision and consultation.....	840
6A.12.3	Submission of revised proposal, framework or pricing methodology	841
6A.12.4	Submissions on specified matters	842
6A.13	Final decision.....	843
6A.13.1	Making of final decision	843
6A.13.2	Refusal to approve amounts, values, framework or pricing methodology	843
6A.13.2A	Out of scope revised documents or late submissions.....	844
6A.13.3	Notice of final decision.....	845
6A.13.4	Making of transmission determination	845
6A.14	Requirements relating to draft and final decisions.....	845
6A.14.1	Contents of decisions	845
6A.14.2	Reasons for decisions.....	848
6A.14.3	Circumstances in which matters must be approved or accepted.....	848
6A.15	Revocation of revenue determination or amendment of pricing methodology for wrong information or error	851
6A.16	Miscellaneous.....	852
6A.16A	Transmission Confidentiality Guidelines	852
Part F	Information Disclosure.....	853
6A.17	Information disclosure by Transmission Network Service Providers.....	853
6A.17.1	Information to be provided to AER	853
6A.17.2	Information Guidelines	854
6A.18	[Deleted]	856
Part G	Cost Allocation	856
6A.19	Cost allocation	856
6A.19.1	Duty to comply with Cost Allocation Methodology.....	856
6A.19.2	Cost Allocation Principles	856
6A.19.3	Cost Allocation Guidelines	857
6A.19.4	Cost Allocation Methodology.....	858
Part H	Transmission Consultation Procedures	859

6A.20	Transmission consultation procedures	859
Part I	Ring-Fencing Arrangements for Transmission Network Service Providers.....	860
6A.21	Transmission Ring-Fencing Guidelines	860
6A.21.1	Compliance with Transmission Ring-Fencing Guidelines	860
6A.21.2	Development of Transmission Ring-Fencing Guidelines.....	861
Part J	Prescribed Transmission Services - Regulation of Pricing	862
6A.22	Terms used in Part J	862
6A.22.1	Aggregate annual revenue requirement (AARR)	862
6A.22.2	Annual service revenue requirement (ASRR)	862
6A.22.3	Meaning of attributable cost share	862
6A.22.4	Meaning of attributable connection point cost share	863
6A.23	Pricing Principles for Prescribed Transmission Services	863
6A.23.1	Introduction.....	863
6A.23.2	Principles for the allocation of the aggregate annual revenue requirement	863
6A.23.3	Principles for the allocation of the annual service revenue requirement to connection points.....	864
6A.23.4	Principles for the recovery of the Annual Service Revenue Requirement as prices	867
6A.24	Pricing methodology	869
6A.24.1	Pricing methodologies generally.....	869
6A.24.2	Publication of pricing methodology and transmission network prices	870
6A.24.3	Basis for setting prices pending approval of pricing methodology	871
6A.24.4	Basis for setting prices pending approval of maximum allowed revenue	871
6A.25	Pricing methodology guidelines for prescribed transmission services	872
6A.25.1	Making and amending of pricing methodology guidelines	872
6A.25.2	Contents of pricing methodology guidelines	873
6A.26	Prudent discounts.....	874
6A.26.1	Agreements for prudent discounts for prescribed transmission services.....	874
6A.26.2	Application to AER for approval of proposed prudent discount amounts	875
6A.27	Billing Process	877
6A.27.1	Billing for prescribed transmission services	877
6A.27.1A	Billing of modified load export charges	877
6A.27.2	Minimum information to be provided in network service bills	877
6A.27.3	Obligation to pay charges for prescribed transmission services.....	878
6A.27.4	Payments between Transmission Network Service Providers in the same region	878
6A.27.5	Calculation of financial transfers between Transmission Network Service Providers in the same region.....	879
6A.28	Prudential Requirements	879

6A.28.1	Prudential Requirements for prescribed transmission services	879
6A.28.2	Capital contribution or prepayment for a specific asset.....	879
6A.28.3	Treatment of past capital contributions.....	879
6A.29	Multiple Transmission Network Service Providers.....	880
6A.29.1	Multiple Transmission Network Service Providers within a region.....	880
6A.29.2	Single Transmission Network Service Provider within a region.....	881
6A.29.3	Allocation over several regions	881
6A.29A	Modified load export charges	881
6A.29A.1	Single Transmission Network Service Provider in a Region.....	881
6A.29A.2	Calculation of the modified load export charges	881
6A.29A.3	Calculation of adjustments to the modified load export charge	882
6A.29A.4	Billing the modified load export charge	882
6A.29A.5	Allocation and billing process where multiple Transmission Network Service Providers in a Region.....	883
Part K	Commercial arbitration for disputes about terms and conditions of access for prescribed and negotiated transmission services	883
6A.30	Commercial arbitration for prescribed and negotiated transmission services	883
6A.30.1	Notification of transmission services dispute	884
6A.30.2	Appointment of commercial arbitrator	884
6A.30.3	Procedures of commercial arbitrator.....	885
6A.30.4	Powers of commercial arbitrator in determining transmission services access disputes	885
6A.30.5	Determination of transmission services access disputes.....	887
6A.30.6	Costs of dispute.....	887
6A.30.7	Enforcement of agreement or determination and requirement for reasons.....	888
6A.30.8	Miscellaneous	888
Part L	Annual Benchmarking Report.....	889
6A.31	Annual Benchmarking Report.....	889
Schedule 6A.1	Contents of Revenue Proposals.....	889
S6A.1.1	Information and matters relating to capital expenditure	889
S6A.1.2	Information and matters relating to operating expenditure.....	890
S6A.1.3	Additional information and matters	891
Schedule 6A.2	Regulatory Asset Base	894
S6A.2.1	Establishment of opening regulatory asset base for a regulatory control period	894
S6A.2.2	Prudency and efficiency of capital expenditure.....	899
S6A.2.2A	Reduction for inefficient past capital expenditure	900
S6A.2.2B	Depreciation.....	902
S6A.2.3	Removal of assets from regulatory asset base	902
S6A.2.4	Roll forward of regulatory asset base within the same regulatory control period	904
Schedule 6A.3	CRNP methodology and modified CRNP methodology	905
S6A.3.1	Meaning of optimised replacement cost	905

S6A.3.2	CRNP methodology	905
S6A.3.3	Modified CRNP methodology	906
Schedule 6A.4	Application of this Chapter to AEMO and declared transmission system operators.....	906
S6A.4.1	Application of this Chapter to AEMO etc	906
S6A.4.2	Exclusions, qualifications and modifications	906
Chapter 6B	Retail markets	917
Part A	Retail support.....	917
Division 1 – Application and definitions		917
6B.A1.1	Application of this Part	917
Division 2	Billing and payment rules	918
6B.A2.1	Obligation to pay.....	918
6B.A2.2	Direct customer billing and energy-only contracts.....	918
6B.A2.3	Calculating network charges.....	918
6B.A2.4	Statement of charges	918
6B.A2.5	Time and manner of payment	919
Division 3	Matters incidental to billing and payment.....	919
6B.A3.1	Adjustment of network charges	919
6B.A3.2	Tariff reassignment	920
6B.A3.3	Disputed statements of charges.....	921
6B.A3.4	Interest.....	922
6B.A3.5	Notification of changes to charges.....	922
Part B	Credit support regime	922
Division 1	Application and definitions	923
6B.B1.1	Application of Part B	923
6B.B1.2	Definitions.....	923
Division 2	Requirements for credit support	923
6B.B2.1	Distribution Network Service Provider may require credit support	923
6B.B2.2	Determining required credit support amount	923
Division 3	Determining credit allowance for a retailer	925
6B.B3.1	Calculating retailer credit allowance	925
6B.B3.2	Distribution Network Service Provider's maximum credit allowance	925
6B.B3.3	Credit rating for retailer	925
6B.B3.4	Calculating credit allowance where guarantor.....	926
6B.B3.5	When no credit allowance will be extended to a retailer	927
Division 4	Provision of credit support by retailers	927
6B.B4.1	Retailer to provide credit support	927
6B.B4.2	Acceptable form of credit support	928
6B.B4.3	Provision of credit support where dispute arises	928
Division 5	Other Rules relating to credit support.....	928
6B.B5.1	Top up of credit support.....	928
6B.B5.2	Reduction of credit support.....	929
6B.B5.3	Application of credit support	929

6B.B5.4	Return of credit support	929
6B.B5.5	Other retailer obligations	929

Schedule 6B.1 930

7.	Metering	935
7.1	Introduction to the Metering Chapter	935
7.1.1	Contents	935
7.1.2	Obligations of Market Participants to establish metering installations	935
7.1.3	Obligation to establish, maintain and publish procedures	936
7.1.4	Amendment of procedures in the Metering Chapter.....	936
7.2	Responsibility for Metering Installation, Metering Data and Market Settlement and Transfer Solution Procedures	937
7.2.1	Responsibility of the responsible person	937
7.2.1A	Responsibility of AEMO for the collection, processing and delivery of metering data	938
7.2.1B	Responsibility for interconnectors	939
7.2.2	Responsibility of the Market Participant	939
7.2.3	Responsibility of the Local Network Service Provider	939
7.2.4	Joint metering installations	941
7.2.4A	Special site or technology related conditions.....	941
7.2.5	Role of the responsible person.....	943
7.2.6	[Deleted]	945
7.2.7	Registration of metering installations	945
7.2.8	Market Settlement and Transfer Solution Procedures	946
7.2A	B2B Arrangements.....	946
7.2A.1	B2B e-Hub	946
7.2A.2	B2B Procedures	947
7.2A.3	Cost Recovery	947
7.3	Metering Installation Arrangements.....	947
7.3.1A	Metering Installation Requirements.....	947
7.3.1	Metering installation components.....	947
7.3.2	Connection and metering point.....	952
7.3.3	[Deleted]	952
7.3.4	Metering installation types, accuracy and meter churn	952
7.3.5	[Deleted]	954
7.3.6	[Deleted]	954
7.3.7	Meter installation malfunctions.....	954
7.3A	Payment for Metering Provision and Metering Data Services.....	955
7.4	Metering Providers and Metering Data Providers	956
7.4.1	Role of Metering Providers.....	956
7.4.1A	Role of Metering Data Providers	956
7.4.2	Qualifications and registration of Metering Providers.....	956
7.4.2A	Qualifications and registration of Metering Data Providers	957
7.4.3	Deregistration of Metering Providers and Metering Data Providers	958
7.5	Register of Metering Information	959

7.5.1	Metering register	959
7.5.2	Metering register discrepancy	959
7.5A	Disclosure of NMI information.....	960
7.5A.1	Application of this Rule	960
7.5A.2	NMI and NMI checksum	960
7.5A.3	NMI Standing Data	960
7.6	Inspection, Testing and Audit of Metering Installations.....	960
7.6.1	Responsibility for testing	960
7.6.2	Actions in event of non-compliance	962
7.6.3	Audits of information held in metering installations	963
7.6.4	Retention of test records and documents	964
7.7	Entitlement to metering data and access to metering installation	965
7.8	Security of Metering Installations and Data	967
7.8.1	Security of metering installations	967
7.8.2	Security controls	968
7.8.3	Changes to metering equipment, parameters and settings within a metering installation.....	969
7.8.4	Changes to energy data or to metering data.....	970
7.9	Processing of Metering Data for Settlements Purposes.....	971
7.9.1	Metering databases.....	971
7.9.2	[Deleted]	971
7.9.3	[Deleted]	971
7.9.4	Data validation, substitution and estimation.....	971
7.9.5	Errors found in metering tests, inspections or audits.....	972
7.10	Confidentiality.....	973
7.11	Metering Data Arrangements.....	973
7.11.1	Metering data performance standards.....	973
7.11.2	Metering Data Services.....	974
7.11.3	Data management and storage	975
7.11.4	Use of check metering data.....	976
7.11.5	Periodic energy metering	976
7.12	Time settings.....	977
7.13	Evolving Technologies and Processes and Development of the Market.....	978
7.14	Metrology and service level procedures.....	980
7.14.1	Requirements of the metrology procedure.....	980
7.14.1A	Requirements of the service level procedures	981
7.14.2	Jurisdictional metrology material in metrology procedure.....	982
7.14.3	Additional metrology procedure matters	984
7.14.4	[Deleted]	985
7.15	Miscellaneous.....	985
7.16	Metering data provision to retail customers	985
Schedule 7.1	Responsibility for metering installation and metering data	987

Schedule 7.2	Types and Accuracy of Metering Installations	987
S7.2.1	General requirements	987
S7.2.2	Metering installations commissioned prior to 13 December 1998	987
S7.2.3	Accuracy requirements for metering installations	988
S7.2.4.	Check metering	994
S7.2.5.	Resolution and accuracy of displayed or captured data.....	995
S7.2.6.	General design standards	995
S7.2.6.1	Design requirements	995
S7.2.6.2	Design guidelines.....	996
Schedule 7.3	Inspection and Testing Requirements.....	996
S7.3.1.	General.....	996
S7.3.2.	Technical Guidelines	999
Schedule 7.4	Metering Provider.....	999
S7.4.1	General.....	999
S7.4.2	Categories of registration.....	1000
S7.4.3	Capabilities of Metering Providers for metering installations types 1, 2, 3 and 4.....	1001
S7.4.4	Capabilities of Metering Providers for metering installations types 5 and 6.....	1004
S7.4.5	Capabilities of the Accredited Service Provider category	1004
Schedule 7.5	Metering Register.....	1004
S7.5.1.	General.....	1004
S7.5.2.	Metering register information	1005
Schedule 7.6	Metering Data Provider	1006
S7.6.1	General.....	1006
S7.6.2	Categories of registration.....	1007
S7.6.3	Capabilities of Metering Data Providers.....	1007
8.	Administrative Functions.....	1013
Part A	Introductory	1013
8.1	Administrative functions	1013
8.1.1	[Deleted]	1013
8.1.2	[Deleted]	1013
8.1.3	Structure of this Chapter	1013
Part B	Disputes.....	1014
8.2	Dispute Resolution	1014
8.2.1	Application and guiding principles.....	1014
8.2.2	The Dispute Resolution Adviser.....	1017
8.2.3	Dispute management systems of Registered Participants and AEMO.....	1018
8.2.4	Stage 1 - dispute resolution through Registered Participants' DMS	1018
8.2.5	Stage 2 - dispute resolution process.....	1021
8.2.6A	Establishment of Dispute Resolution Panel.....	1021
8.2.6B	Parties to DRP Proceedings	1023
8.2.6C	Proceedings of the DRP	1024
8.2.6D	Decisions of the DRP.....	1024

8.2.6	[Deleted]	1025
8.2.7	Legal representation.....	1025
8.2.8	Cost of dispute resolution	1025
8.2.9	Effect of resolution	1026
8.2.10	Recording and publication	1027
8.2.11	Appeals on questions of law	1027
8.2.12	[Deleted]	1027
8.2A	[Deleted]	1027
8.3	Power to make Electricity Procedures	1027
8.4	[Deleted]	1027
8.5	[Deleted]	1027
Part C	Registered Participants' confidentiality obligations	1027
8.6	Confidentiality	1027
8.6.1	Confidentiality	1027
8.6.2	Exceptions.....	1029
8.6.3	Conditions	1030
8.6.4	[Deleted]	1031
8.6.5	Indemnity to AER, AEMC and AEMO	1031
8.6.6	AEMO information	1031
8.6.7	Information on Rules Bodies	1031
Part D	Monitoring and reporting	1031
8.7	Monitoring and Reporting	1031
8.7.1	Monitoring	1031
8.7.2	Reporting requirements and monitoring standards for Registered Participants and AEMO	1032
8.7.3	Consultation required for making general regulatory information order (Section 28H of the NEL).....	1034
8.7.4	Preparation of network service provider performance report (Section 28V of the NEL)	1035
8.7.5	[Deleted]	1036
8.7.6	Recovery of reporting costs	1036
Part E	Reliability panel	1036
8.8	Reliability Panel	1036
8.8.1	Purpose of Reliability Panel.....	1036
8.8.2	Constitution of the Reliability Panel.....	1038
8.8.3	Reliability Panel review process	1040
Part F	Rules consultation procedures	1042
8.9	Rules Consultation Procedures.....	1042
Part G	Consumer advocacy funding.....	1045
8.10	Consumer advocacy funding obligation	1045
Part H	Augmentations.....	1045
8.11	Augmentations.....	1045
8.11.1	Application.....	1045

8.11.2	Object.....	1045
8.11.3	Definitions.....	1046
8.11.4	Planning criteria	1047
8.11.5	Construction of augmentation that is not a contestable augmentation.....	1047
8.11.6	Contestable augmentations	1048
8.11.7	Construction and operation of contestable augmentation.....	1048
8.11.8	Funded augmentations that are not subject to the tender process	1050
8.11.9	Contractual requirements and principles	1051
8.11.10	Annual planning review	1051
Schedule 8.11	Principles to be reflected in agreements relating to contestable augmentations	1052
S8.11.1	Risk allocation	1052
S8.11.2	Minimum requirements for agreements relating to contestable augmentation.....	1053
S8.11.3	Matters to be dealt with in relevant agreements	1054
8A.	Participant Derogations	1057
Part 1	Derogations Granted to TransGrid.....	1057
8A.1	[Deleted]	1057
Part 2	Derogations Granted to EnergyAustralia.....	1057
8A.2	[Deleted]	1057
8A.2A	[Deleted]	1057
Part 3	[Deleted]	1057
Part 4	[Deleted]	1057
Part 5	[Deleted]	1057
Part 6	Derogations Granted to Victorian Market Participants	1057
Part 7	[Deleted]	1057
Part 8	[Deleted]	1057
Part 9	[Deleted]	1057
Part 10	[Deleted]	1057
Part 11	[Deleted]	1057
Part 12	[Deleted]	1057
Part 13	Derogation granted to Aurora Energy (Tamar Valley) Pty Ltd	1057
8A.13	[Deleted]	1057
9.	Jurisdictional Derogations and Transitional Arrangements.....	1061
9.1	Purpose and Application	1061
9.1.1	Purpose.....	1061
9.1.2	Jurisdictional Derogations	1061

Part A	Jurisdictional Derogations for Victoria	1061
9.2	[Deleted]	1061
9.3	Definitions.....	1061
9.3.1	General Definitions	1061
9.3.2	[Deleted]	1063
9.3A	Fault levels	1063
9.4	Transitional Arrangements for Chapter 2 - Registered Participants, Registration and Cross Border Networks.....	1064
9.4.1	[Deleted]	1064
9.4.2	Smelter Trader	1064
9.4.3	Smelter Trader: compliance	1065
9.4.4	Report from AER.....	1067
9.4.5	Cross Border Networks.....	1068
9.5	[Deleted]	1068
9.6	Transitional Arrangements for Chapter 4 - System Security.....	1068
9.6.1	Operating Procedures (clause 4.10.1)	1068
9.6.2	Nomenclature Standards (clause 4.12)	1068
9.7	Transitional Arrangements for Chapter 5 - Network Connection	1069
9.7.1	[Deleted]	1069
9.7.2	[Deleted]	1069
9.7.3	[Deleted]	1069
9.7.4	Regulation of Distribution Network Connection	1069
9.7.5	[Deleted]	1070
9.7.6	[Deleted]	1070
9.7.7	[Deleted]	1070
9.8	Transitional Arrangements for Chapter 6 - Network Pricing.....	1070
9.8.1	[Deleted]	1070
9.8.2	[Deleted]	1070
9.8.3	[Deleted]	1070
9.8.4	Transmission Network Pricing	1070
9.8.4A	[Deleted]	1072
9.8.4B	[Deleted]	1072
9.8.4C	[Deleted]	1072
9.8.4D	[Deleted]	1072
9.8.4E	[Deleted]	1072
9.8.4F	[Deleted]	1072
9.8.4G	[Deleted]	1072
9.8.5	[Deleted]	1072
9.8.6	[Deleted]	1072
9.8.7	Distribution network pricing – transitional application of former Chapter 6.....	1072
9.8.8	Exclusion of AER's power to aggregate distribution systems and parts of distribution systems	1073
9.9	Transitional Arrangements for Chapter 7 - Metering	1074
9.9.1	Metering Installations To Which This Schedule Applies	1074

9.9.2	[Deleted]	1074
9.9.3	[Deleted]	1074
9.9.4	[Deleted]	1074
9.9.5	[Deleted]	1074
9.9.6	[Deleted]	1074
9.9.7	[Deleted]	1074
9.9.8	[Deleted]	1074
9.9.9	Periodic Energy Metering (clause 7.9.3)	1074
9.9.10	Use of Alternate Technologies (clause 7.13).....	1074
9.9A	[Deleted]	1075
9.9B	[Deleted]	1075
9.9C	Metering services for residential and small business customers	1075
9.9C.1	Definitions.....	1075
9.9C.2	Expiry Date	1076
9.9C.3	Designation as responsible person	1076
9.9C.4	Classification of relevant metering installations.....	1076
9.9C.5	Cost recovery of AMI rollout	1076
9.9C.6	Capability for remote acquisition of metering data	1076
Schedule 9A1.1	[Deleted]	1076
Schedule 9A1.2	[Deleted]	1076
Schedule 9A1.3	[Deleted]	1076
Schedule 9A2	[Deleted]	1076
Schedule 9A3	Jurisdictional Derogations Granted to Generators	1076
1.	Interpretation of tables	1076
2.	Continuing effect	1077
3.	Subsequent agreement	1077
4.	[Deleted]	1078
5.	Reactive Power Capability (clause S5.2.5.1 of schedule 5.2)	1078
6.	[Deleted]	1079
7.	[Deleted]	1079
8.	[Deleted]	1079
9.	[Deleted]	1079
10.	[Deleted]	1079
11.	[Deleted].....	1079
12.	[Deleted]	1079
13.	Governor Systems (load control) (clause S5.2.5.11 of schedule 5.2).....	1079
14.	[Deleted]	1079
15.	[Deleted]	1079
16.	Excitation Control System (clause S5.2.5.13 of schedule 5.2).....	1079
Part B	Jurisdictional Derogations for New South Wales	1080
9.10	[Deleted]	1080
9.11	Definitions.....	1080
9.11.1	Definitions used in this Part B	1080

9.12	Transitional Arrangements for Chapter 2 - Generators, Registered Participants, Registration and Cross Border Networks	1081
9.12.1	[Deleted]	1081
9.12.2	Customers	1081
9.12.3	Power Traders	1081
9.12.4	Cross Border Networks.....	1084
9.13	[Deleted]	1085
9.14	Transitional Arrangements for Chapter 4 - System Security.....	1085
9.14.1	Power System Operating Procedures.....	1085
9.15	NSW contestable services for Chapter 5A.....	1085
9.15.1	Definitions.....	1085
9.15.2	Chapter 5A not to apply to certain contestable services	1086
9.16	Transitional Arrangements for Chapter 6 - Network Pricing.....	1086
9.16.1	NSW contestable services.....	1086
9.16.2	[Deleted]	1086
9.16.3	Jurisdictional Regulator	1086
9.16.4	Deemed Regulated Interconnector.....	1086
9.16.5	[Deleted]	1086
9.17	Transitional Arrangements for Chapter 7 - Metering	1086
9.17.1	Extent of Derogations	1086
9.17.2	Initial Registration (clause 7.1.2).....	1087
9.17.3	Amendments to Schedule 9G1.....	1087
9.17.4	Compliance with AS/NZ ISO 9002 (clause S7.4.3(f) of schedule 7.4)	1087
9.17A	[Deleted]	1088
9.18	[Deleted]	1088
Part C	Jurisdictional Derogations for the Australian Capital Territory.....	1088
9.19	[Deleted]	1088
9.20	Definitions and Transitional Arrangements for Cross-Border Networks	1088
9.20.1	Definitions.....	1088
9.20.2	Cross Border Networks.....	1088
9.21	[Deleted]	1089
9.22	[Deleted]	1089
9.23	Transitional Arrangements for Chapter 6 - Network Pricing.....	1089
9.23.1	[Deleted]	1089
9.23.2	[Deleted]	1089
9.23.3	[Deleted].....	1089
9.23.4	[Deleted]	1089
9.24	Transitional Arrangements.....	1089
9.24.1	Chapter 7 - Metering.....	1089
9.24.2	[Deleted]	1089
9.24A	[Deleted]	1089

Part D	Jurisdictional Derogations for South Australia	1089
9.25	Definitions.....	1089
9.25.1	[Deleted]	1089
9.25.2	Definitions.....	1089
9.26	Transitional Arrangements for Chapter 2 - Registered Participants, Registration And Cross Border Networks.....	1092
9.26.1	Registration as a Generator	1092
9.26.2	Registration as a Customer	1093
9.26.3	Cross Border Networks.....	1093
9.26.4	[Deleted]	1094
9.26.5	Registration as a Network Service Provider	1094
9.27	[Deleted].....	1094
9.28	Transitional Arrangements for Chapter 5 - Network Connection.....	1094
9.28.1	Application of clause 5.2	1094
9.28.2	[Deleted]	1095
9.29	Transitional Arrangements for Chapter 6 - Economic Regulation of Distribution Services.....	1095
9.29.1	[Deleted]	1095
9.29.2	[Deleted]	1095
9.29.3	[Deleted]	1095
9.29.4	[Deleted]	1095
9.29.5	Distribution Network Pricing – South Australia.....	1095
9.29.6	Capital contributions, prepayments and financial guarantees.....	1096
9.29.7	Ring fencing.....	1097
9.29A	Monitoring and reporting	1097
9.30	Transitional Provisions.....	1098
9.30.1	Chapter 7 - Metering.....	1098
Part E	Jurisdictional Derogations for Queensland	1098
9.31	[Deleted].....	1098
9.32	Definitions and Interpretation	1098
9.32.1	Definitions.....	1098
9.32.2	Interpretation.....	1100
9.33	Transitional Arrangements for Chapter 1	1101
9.33.1	[Deleted]	1101
9.34	Transitional Arrangements for Chapter 2 - Registered Participants and Registration	1101
9.34.1	Application of the Rules in Queensland (clauses 2.2 and 2.5)	1101
9.34.2	Stanwell Cross Border Leases (clause 2.2).....	1101
9.34.3	[Deleted]	1101
9.34.4	Registration as a Customer (clause 2.3.1).....	1101
9.34.5	There is no clause 9.34.5.....	1102
9.34.6	Exempted generation agreements (clause 2.2).....	1102
9.35	[Deleted].....	1107

9.36	[Deleted]	1107
9.37	Transitional Arrangements for Chapter 5 - Network Connection	1107
9.37.1	[Deleted]	1107
9.37.2	Existing connection and access agreements (clause 5.2).....	1107
9.37.3	[Deleted]	1108
9.37.4	[Deleted]	1108
9.37.5	Forecasts for connection points to transmission network (clause 5.11.1)	1108
9.37.6	There is no clause 9.37.6.....	1108
9.37.7	Cross Border Networks.....	1108
9.37.8	[Deleted]	1108
9.37.9	Credible contingency events (clause S5.1.2.1 of schedule 5.1).....	1108
9.37.10	Reactive power capability (clause S5.2.5.1 of schedule 5.2).....	1109
9.37.11	[Deleted]	1109
9.37.12	Voltage fluctuations (clause S5.1.5 of schedule 5.1).....	1109
9.37.13	[Deleted]	1112
9.37.14	[Deleted]	1112
9.37.15	[Deleted]	1112
9.37.16	[Deleted]	1112
9.37.17	[Deleted]	1112
9.37.18	[Deleted]	1112
9.37.19	Generating unit response to disturbances (clause S5.2.5.3 of schedule 5.2)	1112
9.37.20	[Deleted]	1112
9.37.21	Excitation control system (clause S.5.2.5.13 of schedule 5.2)	1112
9.37.22	[Deleted]	1113
9.37.23	Annual forecast information for planning purposes (schedule 5.7).....	1113
9.38	Transitional Arrangements for Chapter 6 - Network Pricing	1113
9.38.1	[Deleted]	1113
9.38.2	[Deleted]	1113
9.38.3	[Deleted]	1113
9.38.4	Interconnectors between regions.....	1113
9.38.5	Transmission pricing for exempted generation agreements	1114
9.39	Transitional Arrangements for Chapter 7 - Metering	1114
9.39.1	Metering installations to which this clause applies.....	1114
9.39.2	[Deleted]	1115
9.39.3	[Deleted]	1115
9.39.4	[Deleted]	1115
9.39.5	[Deleted]	1115
9.40	Transitional Arrangements for Chapter 8 - Administration Functions	1115
9.40.1	[Deleted]	1115
9.40.2	[Deleted]	1115
9.40.3	[Deleted]	1115
9.41	[Deleted]	1115
Schedule 9E1	Exempted Generation Agreements	1115

Part F	Jurisdictional Derogations for Tasmania	1116
9.42	Definitions and interpretation	1116
9.42.1	Definitions.....	1116
9.42.2	Interpretation.....	1117
9.42.3	National grid, power system and related expressions.....	1118
9.43	[Deleted]	1118
9.44	Transitional arrangements for Chapter 2 – Registered Participants and Registration - Customers (clause 2.3.1(e)).....	1118
9.45	Tasmanian Region (clause 3.5)	1118
9.47	Transitional arrangements for Chapter 5- Network Connection.....	1118
9.47.1	Existing Connection Agreements	1118
9.48	Transitional arrangements - Transmission and Distribution Pricing	1119
9.48.4A	Ring fencing.....	1119
9.48.4B	Uniformity of tariffs for small customers	1119
9.48.5	Transmission network.....	1119
9.48.6	Deemed regulated interconnector	1119
Part G	Schedules to Chapter 9	1120
Schedule 9G1	Metering Transitional Arrangements	1120
1.	Introduction.....	1120
2.	[Deleted]	1120
3.	General Principle	1120
4.	[Deleted]	1120
5.	Accuracy Requirements	1120
6.	[Deleted]	1121
7.	[Deleted]	1121
8.	[Deleted]	1121
9.	[Deleted]	1121
10.	[Deleted]	1121
10.	Glossary	1125
11.	Savings and Transitional Rules	1237
Part A	Definitions.....	1237
Part B	System Restart Ancillary Services (2006 amendments)	1237
11.2	Rules consequent on making of the National Electricity Amendment (System Restart Ancillary Services and pricing under market suspension) Rule 2006	1237
11.2.1	Transitional provision for acquisition of non-market ancillary services.....	1237
11.3	[Deleted]	1238
Part C	Dispute Resolution for Regulatory Test (2006 amendments)	1238

11.4	Rules consequent on making of the National Electricity Amendment (Dispute Resolution for Regulatory Test) Rule 2006.....	1238
11.4.1	Continuation of things done under old clause 5.6.6.....	1238
Part D	Metrology (2006 amendments)	1239
11.5	Rules consequential on the making of the National Electricity Amendment (Metrology) Rule 2006	1239
11.5.1	Definitions.....	1239
11.5.2	Metrology procedures continues to apply until 31 December 2006	1239
11.5.3	Responsible person	1239
11.5.4	NEMMCO's responsibility to develop a metrology procedure	1239
11.5.5	Jurisdictional metrology material in the metrology procedure	1240
Part E	Economic Regulation of Transmission Services (2006 amendments)	1241
11.6	Rules consequent on making of the National Electricity Amendment (Economic Regulation of Transmission Services) Rule 2006.....	1241
11.6.1	Definitions.....	1241
11.6.2	New Chapter 6A does not affect existing revenue determinations.....	1242
11.6.3	Old Part C and Schedules 6.2, 6.3, 6.4, 6.7 and 6.8 of old Chapter 6.....	1243
11.6.4	Old Part F of Chapter 6.....	1243
11.6.5	Application of new Chapter 6A to Transmission Network Service Providers	1243
11.6.6	Application of Chapter 6 to old distribution matters	1243
11.6.7	References to the old Chapter 6	1243
11.6.8	References to provisions of the old Chapter 6	1244
11.6.9	Roll forward of regulatory asset base for first regulatory control period	1244
11.6.10	Other adjustment carry-over mechanisms from current to first regulatory control period.....	1244
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	1244
11.6.12	Powerlink transitional provisions	1247
11.6.13	ElectraNet easements transitional provisions	1251
11.6.14	TransGrid contingent projects.....	1251
11.6.15	Transmission determination includes existing revenue determinations.....	1252
11.6.16	References to regulatory control period.....	1252
11.6.17	Consultation procedure for first proposed guidelines.....	1252
11.6.18	Reliance on proposed guidelines for SP AusNet, VENCORP and ElectraNet	1253
11.6.19	EnergyAustralia transitional provisions.....	1253
11.6.20	Basslink transitional provisions	1256
11.6.21	SPI Powernet savings and transitional provision.....	1257
11.6.22	Interim arrangements pricing-related information.....	1259
Part F	Reform of Regulatory Test Principles (2006 amendments)	1259

11.7	Rules consequent on making of the National Electricity Amendment (Reform of the Regulatory Test Principles) Rule 2006.....	1259
11.7.1	Definitions.....	1259
11.7.2	Amending Rule does not affect old clause 5.6.5A.....	1260
Part G	Pricing of Prescribed Transmission Services (2006 amendments)	1260
11.8	Rules consequent on making the National Electricity Amendment (Pricing of Prescribed Transmission Services) Rule 2006.....	1260
11.8.1	Definitions.....	1260
11.8.2	Regulated interconnectors.....	1261
11.8.3	Application of new Part J of Chapter 6A to Transmission Network Service Providers	1261
11.8.4	Reliance on agreed interim guideline for ElectraNet, SPAusNet, and VenCorp	1261
11.8.5	Prudent discounts under existing agreements	1262
11.8.6	Application of prudent discounts regime under rule 6A.26.....	1262
11.8.7	Prudent discounts pending approval of pricing methodology	1262
Part H	Reallocations (2007 amendments)	1263
11.9	Rules consequent on the making of the National Electricity Amendment (Reallocations) Rule 2007	1263
11.9.1	Definitions.....	1263
11.9.2	Existing and transitional reallocations	1264
Part I	Technical Standards for Wind Generation (2007 amendments).....	1264
11.10	Rules consequent on making of the National Electricity Amendment (Technical Standards for Wind Generation and other Generator Connections) Rule 2007	1264
11.10.1	Definitions.....	1264
11.10.2	Provision of information under S5.2.4 in registration application.....	1264
11.10.3	Access standards made under the old Chapter 5.....	1265
11.10.4	Modifications to plant by Generators	1265
11.10.5	Technical Details to Support Application for Connection and Connection Agreement	1265
11.10.6	Transitional arrangements for establishment of performance standards	1266
11.10.7	Jurisdictional Derogations for Queensland.....	1266
11.10A	Rules consequent on the making of the National Electricity Amendment (Central Dispatch and Integration of Wind and Other Intermittent Generation) Rule 2008.....	1266
11.10A.1	Definitions.....	1266
11.10A.2	Registration and reclassification of classified generating units	1267
11.10A.3	Registered generating unit	1268
11.10A.4	Classification of potential semi-scheduled generating unit	1268
11.10A.5	Participant fees	1268
11.10A.6	Timetable	1269
11.10A.7	Procedure for contribution factors for ancillary service transactions	1269

11.10A.8	Guidelines for energy conversion model information	1269
Part J	Cost Recovery of Localised Regulation Services (2007 amendments)	1270
11.11	Rules consequent on making of the National Electricity Amendment (Cost Recovery of Localised Regulation Services) Rule 2007.....	1270
11.11.1	Definitions.....	1270
11.11.2	Action taken by NEMMCO for the purposes of Amending Rule	1270
11.12	[Deleted]	1270
Part L	[Deleted]	1270
Division 1	General Provisions	1274
11.14	General provisions	1274
11.14.1	Application of this Division.....	1274
11.14.2	Definitions.....	1274
11.14.3	Preservation of old regulatory regime.....	1275
11.14.4	Transfer of regulatory responsibility	1276
11.14.5	Special requirements with regard to ring fencing.....	1276
11.14.6	Additional requirements with regard to cost allocation.....	1277
11.14.7	Construction of documents	1277
Part M	Economic Regulation of Distribution Services (2007 amendments)	1274
Division 1	General Provisions	1274
11.14	General provisions	1274
Division 2	[Deleted]	1278
Division 3	Transitional arrangements for first distribution determination for Queensland Distribution Network Service Providers	1278
11.16	Transitional arrangements for first distribution determination for Queensland Distribution Network Service Providers	1278
Division 4	Transitional provisions of specific application to Victoria	1281
11.17	Transitional provisions of specific application to Victoria.....	1281
Part N	Registration of Foreign Based Persons and Corporations as Trader Class Participants (2007 amendments).....	1284
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.....	1284
11.18.1	Definitions.....	1284
11.18.2	Auction rules	1284
Part O	Process for Region Change (2007 amendments)	1284
11.19	Rules consequent on making of the National Electricity Amendment (Process for Region Change) Rule 2007.....	1284
11.19.1	Definitions.....	1284
11.19.2	Regions Publication	1284
Part P	Integration of NEM Metrology Requirements.....	1285

11.20	Rules consequential on the making of the National Electricity Amendment (Integration of NEM Metrology Requirements) Rule 2008.....	1285
11.20.1	Definitions.....	1285
11.20.2	Metering installations for non-market generating units immediately prior to 30 June 2008	1285
11.20.3	First-tier load metering installations	1286
11.20.4	First-tier load metering installations in Victoria.....	1286
11.20.5	Minimalist Transitioning Approach in Queensland.....	1286
11.20.6	First-tier jurisdictional requirements publication.....	1286
11.20.7	Metrology procedure.....	1287
Part PA	Reliability Settings: Information Safety Net and Directions	1287
11.21	Rules consequential on the making of the National Electricity Amendment (NEM Reliability Settings: Information Safety Net and Directions) Rule 2008	1287
Part Q	Regulatory Test Thresholds and Information Disclosure on Network Replacements.....	1288
11.22	Rules consequential on the making of the National Electricity Amendment (Regulatory Test Thresholds and Information Disclosure on Network Replacements) Rule 2008.....	1288
11.22.1	Definitions.....	1288
11.22.2	Amending Rule does not affect existing regulatory test.....	1289
Part R	Performance Standard Compliance of Generators	1289
11.23	Rules consequential on the making of the National Electricity Amendment (Performance Standards Compliance of Generators) Rule 2008.....	1289
11.23.1	Definitions.....	1289
11.23.2	Application of rule 11.23 for compliance programs implemented immediately after the commencement of the Amending Rule	1289
11.23.3	Application of rule 11.23 for compliance programs implemented immediately prior to the commencement of the Amending Rule.....	1290
11.23.4	Application of rule 11.23 for compliance programs not implemented immediately prior to the commencement of the Amending Rule	1290
Part S	[Deleted]	1290
Part U	Confidentiality Arrangements concerning Information required for Power System Studies	1290
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.....	1290
11.25.1	Definitions.....	1290
11.25.2	Transitional arrangements for the provision of information.....	1290
Part V	WACC Reviews: Extension of Time	1292
11.26	Rule consequential on the making of the National Electricity Amendment (WACC Reviews: Extension of Time) Rule 2009.....	1292
11.26.1	Definitions.....	1292

11.26.2	Extension of time to submit a regulatory proposal for the regulatory control period 2010-2015.....	1292
Part W	National Transmission Statement	1292
11.27	Rules consequent on the making of the National Electricity Amendment (National Transmission Statement) Rule 2009.....	1292
11.27.1	Definitions.....	1292
11.27.2	Purpose.....	1293
11.27.3	Application of rule 11.27	1293
11.27.4	National Transmission Statement	1293
11.27.5	Scope and Content of National Transmission Network Development Plan.....	1295
11.27.6	Energy Adequacy Assessment Projection	1295
11.27.7	Amendment to Last Resort Power	1296
11.27.8	Actions taken prior to commencement of Rule	1296
Part X	National Transmission Planning	1296
11.28	Rules consequential on the making of the National Electricity (Australian Energy Market Operator) Amendment Rules 2009.....	1296
11.28.1	Definitions.....	1296
11.28.2	Jurisdictional planning bodies and representatives.....	1296
11.28.3	Criteria and guidelines published by Inter-regional Planning Committee.....	1297
11.28.4	Augmentation technical reports	1297
11.28.5	Last Resort Planning Power.....	1297
11.28.6	Inter-network power system tests	1298
11.28.7	Control and protection settings for equipment.....	1298
11.28.8	Revenue Proposals	1298
Part Y	Regulatory Investment Test for Transmission.....	1298
11.29	Rules consequent on making of the National Electricity Amendment (Regulatory Investment Test for Transmission) Rule 2009.....	1298
11.29.1	Definitions.....	1298
11.29.2	Period when Amending Rule applies to transmission investment.....	1299
Part Z	Congestion Information Resource.....	1300
11.30	Rules consequent on the making of the National Electricity Amendment (Congestion Information Resource) Rule 2009	1300
11.30.1	Definitions.....	1300
11.30.2	Interim congestion Information resource	1300
Part ZA	Reliability and emergency reserve trader (2009 amendments)	1302
11.31	Rules consequent on the making of the National Electricity Amendment (Improved RERT Flexibility and Short-notice Reserve Contracts) Rule 2009.....	1302
Part ZB	Early Application of Market Impact Parameters.....	1304
11.32	Rules consequent on the making of the National Electricity Amendment (Early Implementation of Market Impact Parameters) Rule 2010	1304

11.32.1	Definitions.....	1304
11.32.2	Purpose.....	1305
11.32.3	Early application of the market impact component of the service target performance incentive scheme.....	1305
Part ZC	Transparency of operating data	1308
11.33	Rules consequential on the making of National Electricity Amendment (Transparency of Operating Data) Rule 2010.....	1308
11.33.1	Definitions.....	1308
11.33.2	Spot market operations timetable	1308
Part ZD	Cost Recovery for Other Services Directions	1310
11.34	Rules consequent on making of the National Electricity Amendment (Cost Recovery for Other Services Directions) Rule 2010.....	1310
11.34.1	Definitions.....	1310
11.34.2	Period when Amending Rules applies to funding of compensation	1311
Part ZE	Payments under Feed-in Schemes and Climate Change Funds	1311
11.35	Rules consequential on the making of the National Electricity Amendment (Payments under Feed-in Schemes and Climate Change Funds) Rule 2010	1311
11.35.1	Definitions.....	1311
11.35.2	Application of recovery of jurisdictional scheme Rules.....	1312
11.35.3	Reporting on jurisdictional schemes	1313
11.35.4	Revocation and substitution of distribution determination for jurisdictional scheme recovery	1314
Part ZF	Transitional Arrangements for Ministerial Smart Meter Roll Out Determinations	1315
11.36	Ministerial Smart Meter Roll Out Determinations	1315
11.36.1	Definitions.....	1315
11.36.2	Meaning of relevant metering installation	1315
11.36.3	Period of application of rule to relevant metering installation	1316
11.36.4	Designation of responsible person	1316
11.36.5	[Deleted]	1316
11.36.6	[Deleted]	1316
Part ZG	Provision of Metering Data Services and Clarification of Existing Metrology Requirements.....	1316
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	1316
11.37.1	Definitions.....	1316
11.37.2	Commencement of special site or technology related conditions.....	1316
11.37.3	Initial service level procedures	1317
Part ZH	Spot Market Operations Timetable	1317

11.38	Rules consequential on the making of National Electricity Amendment (Amendments to PASA-related Rules) Rule 2010	1317
11.38.1	Definitions.....	1317
11.38.2	Spot market operations timetable.....	1318
Part ZI	DNSP Recovery of Transmission-related Charges	1318
11.39	Rules consequential on the making of the National Electricity Amendment (DNSP Recovery of Transmission-related Charges) Rule 2011	1318
11.39.1	Definitions.....	1318
11.39.2	Recovery by Victorian distribution network service providers during current regulatory control period.....	1319
11.39.3	Recovery by Victorian distribution network service providers for shared network augmentations.....	1320
11.39.4	Bairnsdale network support agreement.....	1320
11.39.5	Approval of pricing proposal	1320
11.39.6	Ergon Energy transitional charges	1320
11.39.7	Energex transitional charges	1320
Part ZJ	Network Support and Control Ancillary Services.....	1320
11.40	Rules consequential on the making of the National Electricity Amendment (Network Support and Control Ancillary Services) Rule 2011.....	1320
11.40.1	Definitions.....	1320
11.40.2	Purpose.....	1321
11.40.3	Existing NCAS contracts to continue	1321
11.40.4	Amendments to existing guidelines	1321
11.40.5	New procedures	1322
11.40.6	Decisions and actions taken prior to Amending Rule.....	1322
Part ZK	Application of Dual Marginal Loss Factors	1322
11.41	Rules consequential on the making of the National Electricity Amendment (Application of Dual Marginal Loss Factors) Rule 2011.....	1322
11.41.1	Definitions.....	1322
11.41.2	Amendments to loss factor methodology	1323
11.41.3	Procedure applying dual intra-regional loss factors in central dispatch and spot market transactions.....	1323
11.41.4	Publication of intra-regional loss factors	1323
Part ZL	Tasmania Tranche 5a Procedure Changes.....	1323
11.42	Rules consequential on the making of the National Electricity Amendment (Tasmania Tranche 5a Procedure Changes) Rule 2011.....	1323
11.42.1	Definitions.....	1323
11.42.2	AEMO may amend Relevant Procedures	1324
Part ZM	Application and Operation of Administered Price Periods	1324
11.43	Rules consequential on the making of National Electricity Amendment (Application and Operation of Administered Price Periods) Rule 2011	1324

11.43.1	Definitions.....	1324
11.43.2	Administered Price Cap Schedule	1325
Part ZO	Negative Intra-regional Settlements Residue	1325
11.45	Rules consequential on the making of National Electricity Amendment (Negative Intra-regional Settlements Residue) Rule 2012.....	1325
11.45.1	Definitions.....	1325
11.45.2	Recovery of negative settlements residue prior to consultation under the Amending Rule	1326
11.45.3	First consultation on negative intra-regional settlements residue procedure.....	1326
Part ZP	Interim Connection Charging Rules	1327
11.46	Rules consequential to the insertion of Chapter 5A by the National Electricity (National Energy Retail Law) Amendment Rule 2012.....	1327
Division 1	Preliminary.....	1327
Division 2	Jurisdictional differences	1329
Division 3	General provisions	1337
Part ZQ	NSW transitional retail support and credit support rules	1337
11.47	Rules consequential on the insertion of Chapter 6B by the National Electricity (National Energy Retail Law) Amendment Rule 2012.....	1337
Division 1	Preliminary.....	1337
Part ZR	Miscellaneous transitional rules—NERL	1343
11.48	Rules consequential on the making of the National Electricity (National Energy Retail Law) Amendment Rule 2012.....	1343
11.48.1	Extension of time period for AER to consider certain pass through applications	1343
Part ZS	Cost pass through arrangements for Network Service Providers.....	1344
11.49	Rules consequential on the making of National Electricity Amendment (Cost pass through arrangements for Network Service Providers) Rule 2012	1344
11.49.1	Definitions.....	1344
11.49.2	Terrorism event is a cost pass through event in the current regulatory control period	1344
11.49.3	Transitional arrangement for Powerlink.....	1344
11.49.4	Transitional arrangements for ElectraNet and Murraylink	1345
Part ZT	Distribution Network Planning and Expansion.....	1345
11.50	Rules consequential on the making of the National Electricity Amendment (Distribution Network Planning and Expansion) Rule 2012.....	1345
11.50.1	Interpretation.....	1345

11.50.2	Definitions.....	1346
11.50.3	Timing for first Distribution Annual Planning Report	1346
11.50.4	Contents of Distribution Annual Planning Report.....	1346
11.50.5	Transition from the regulatory test to the regulatory investment test for distribution	1348
Part ZU	New Prudential Standard and Framework in the NEM	1349
11.51	Rules consequential on the making of the National Electricity Amendment (New Prudential Standard and Framework in the NEM) Rule 2012.....	1349
11.51.1	Definitions.....	1349
11.51.2	AEMO's responsibility to develop and publish the credit limit procedures	1349
11.51.3	Transition to the framework for determining prudential settings	1349
11.51.4	Prior consultation, step, decision or action taken by AEMO.....	1350
Part ZV	Small Generation Aggregator Framework.....	1350
11.52	Rules consequential on the making of the National Electricity Amendment (Small Generation Aggregator Framework) Rule 2012.....	1350
11.52.1	Definitions.....	1350
11.52.2	Commencement of participant fees as well as transactions, funding and settlements under Chapter 3 for Market Small Generation Aggregators.....	1351
11.52.3	Participant fees for Market Small Generation Aggregators.....	1351
11.52.4	Ancillary service transactions, funding of compensation for directions and intervention settlements for directions for Market Small Generation Aggregators.....	1352
11.52.5	Amendments to the carbon dioxide equivalent intensity index procedures	1352
11.52.6	Amendments of the metrology procedures	1353
11.52.7	Amendments to the Market Settlement and Transfer Solution Procedures.....	1353
Part ZW	Economic Regulation of Network Service Providers (2012 amendments)	1354
Division 1	Miscellaneous transitional provisions	1354
11.53	Publication of Chapter 6 Guidelines	1354
11.54	Publication of Chapter 6A Guidelines	1355
Division 2	Transitional provisions for NSW/ACT Distribution Network Service Providers	1357
11.55	General provisions	1357
11.56	Special provisions applying to affected DNSPs	1360
Division 3	Transitional provisions for NSW and Tasmanian Transmission Network Service Providers and Directlink.....	1372
11.57	General provisions	1372
11.58	Special provisions applying to affected TNSPs.....	1375
Division 4	Transitional provisions for the Victorian TNSP	1384
11.59	Special provisions applying to the Victorian TNSP	1384

Division 5	Transitional provisions for Qld/SA and Victorian Distribution Network Service Providers.....	1386
11.60	Special provisions applying to the Qld/SA and Victorian Distribution Network Service Providers.....	1386
Division 6	Review of past capital expenditure.....	1392
11.61	Definitions and application	1392
11.62	Review of past capital expenditure under Chapter 6	1392
11.63	Review of past capital expenditure under Chapter 6A	1393
Part ZX	Inter-regional Transmission Charging	1393
11.64	Rules consequent on the making of the National Electricity Amendment (Inter-regional Transmission Charging) Rule 2013	1393
11.64.1	Definitions.....	1393
11.64.2	Amendments to the pricing methodology guidelines	1394
11.64.3	Amendments to the pricing methodologies of Transmission Network Service Providers	1394
11.64.4	Commencement of clause 6A.23.3(f) for further adjustments	1395
Part ZY	Network Service Provider Expenditure Objectives.....	1395
11.65	Rules consequent on the making of the National Electricity Amendment (Network Service Provider Expenditure Objectives) Rule 2013	1395
11.65.1	Definitions.....	1395
11.65.2	Application of rule 11.65	1396
Part ZZ	Access to NMI Standing Data	1396
11.66	Rules consequent on the making of the National Electricity Amendment (Access to NMI Standing Data) Rule 2013	1396
11.66.1	Definitions.....	1396
11.66.2	Minor amendment of the Market Settlement and Transfer Solution Procedures.....	1396
Part ZZA	Publication of Zone Substation Data.....	1397
11.67	Rules consequent on the making of the National Electricity Amendment (Publication of Zone Substation Data) Rule 2014.....	1397
11.67.1	Definitions.....	1397
11.67.2	Distribution Network Service Providers' obligations to commence on the next DAPR date	1397
Part ZZB	Connecting Embedded Generators	1397
11.68	Rules consequential on the making of the National Electricity Amendment (Connecting embedded generators) Rule 2014	1397
11.68.1	Definitions.....	1397
11.68.2	Continuation of enquiries lodged.....	1398
Part ZZC	Customer access to information about their energy consumption.....	1398
11.69	Rules consequential on the making of the National Electricity Amendment (Customer access to information about their energy consumption) Rule 2014.....	1398
11.69.1	Definitions.....	1398

11.69.2	AEMO to develop and publish the metering data provision procedure.....	1398
Part ZZD	National Electricity Amendment (Distribution Network Pricing Arrangements) Rule 2014.....	1398
Division 1	Miscellaneous transitional provisions	1398
11.70	General provisions	1398
11.70.1	Definitions.....	1398
Division 2	Transitional provisions for NSW/ACT and Qld/SA Distribution Network Service Providers.....	1401
11.72	General provisions	1401
11.772.1	Definitions.....	1401
Division 3	Transitional provisions for Tasmanian Distribution Network Service Provider	1408
11.74	Application of former Chapter 6.....	1408
Division 4	Transitional provisions for Victorian Distribution Network Service Providers	1408
11.75	General provisions	1408
11.75.1	Definitions.....	1408
11.76	Special provisions applying to affected DNSPs	1408
11.76.1	Distribution determination and pricing proposals.....	1408
11.76.2	Tariff structure statement	1409
Part ZZE	Early Application of Network Capability Component (STPIS)	1415
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	1415
11.77.1	Definitions.....	1415
11.77.2	Purpose.....	1416
11.77.3	Earlier application of the network capability component of the service target performance incentive scheme	1416
Part ZZF	National Electricity Amendment (Governance arrangements and implementation of the reliability standard and settings) Rule 2015.....	1418
11.78	Rules consequent on the making of the National Electricity Amendment (Governance arrangements and implementation of the reliability standards and settings) Rule 2015	1418
11.78.1	Definitions.....	1418
11.78.2	Existing power system security and reliability standards	1419
11.78.3	Reliability standard and settings guidelines.....	1419
11.78.4	Reliability standard implementation guidelines.....	1419
Part ZZG	Improving demand side participation information provided to AEMO by registered participants	1422
11.79	Rules consequential on making of the National Electricity Amendment (Improving demand side participation	

	information provided to AEMO by registered participants)	
	Rule 2015.....	1422
11.79.1	AEMO to develop and publish the demand side participation information guidelines	1422
Part ZZH	Transitional Arrangements for Aligning TasNetworks' regulatory control periods.....	1422
11.80	National Electricity Amendment (Aligning TasNetworks' regulatory control periods) Rule 2015	1422
11.80.1	Definitions.....	1422
11.80.2	Application of rule 11.80	1423
11.80.3	Next regulatory control period.....	1423
11.80.4	Subsequent regulatory control period	1423
Part ZZI	System Restart Ancillary Services.....	1423
11.81	Rules consequential on the making of the National Electricity Amendment (System Restart Ancillary Services) Rule 2015	1423
11.81.1	Definitions.....	1423
11.81.2	System restart standard	1424
11.81.3	SRAS Guideline.....	1424
11.81.4	Regional Benefit Ancillary Services Procedures	1424
11.81.5	Consultation prior to the Commencement Date.....	1424
11.81.6	Existing SRAS Contract	1424
Part ZZJ	Demand management incentive scheme	1425
11.82	Rules consequential on making of the National Electricity Amendment (Demand management incentive scheme) Rule 2015.....	1425
11.82.1	Definitions.....	1425
11.82.2	AER to develop and publish the demand management incentive scheme and demand management innovation allowance mechanism	1425
Part ZZK	AEMO access to demand forecasting information	1425
11.83	Rules consequential on the making of the National Electricity Amendment (AEMO access to demand forecasting information) Rule 2015.....	1425
11.83.1	AEMO to include supporting information in NTNDP database.....	1425
Part ZZL	Compensation arrangements following application of an Administered Price Cap or Administered Floor Price	1426
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	1426
11.84.1	Definitions.....	1426
11.84.2	Compensation Guidelines.....	1426
Part ZZM	Common definitions of distribution reliability measures.....	1426

11.85	Rules consequential on the making of the National Electricity Amendment (Common definitions of distribution reliability measures) Rule 2015	1426
11.85.1	Definitions.....	1426
11.85.2	Distribution reliability measures guidelines	1427
11.85.3	Amended STPIS.....	1427
Part ZZN	Expanding competition in metering and metering related services	1427
11.86	Rules consequent on making of the National Electricity Amendment (Expanding competition in metering and related services) Rule 2015	1427
11.86.1	Definitions.....	1427
11.86.2	References to old Chapter 7	1427
11.86.3	References to provisions of the old Chapter 7	1428
11.86.4	References to responsible person.....	1428
11.86.5	Continued operation of old Rules until the effective date	1428
11.86.6	New and amended procedures	1428
11.86.7	Metering Coordinator for type 5 or 6 metering installation from effective date	1429
11.86.8	Distribution Ring Fencing Guidelines	1431
11.86.9	[Deleted]	1432
Part ZZO	Embedded Networks.....	1432
11.87	Rules consequential on the making of the National Electricity Amendment (Embedded Networks) Rule 2015	1432
11.87.1	Definitions.....	1432
11.87.2	Amended Procedures and NMI Standing Data Schedule	1432
11.87.3	ENM service level procedures and guide to embedded networks and list of Embedded Network Managers.....	1433
11.87.4	Exemptions under section 13 of the National Electricity Law	1433
Part ZZP	Meter Replacement Processes.....	1433
11.88	Rules consequential on the making of the National Electricity Amendment (Meter Replacement Processes) Rule 2016.....	1433
11.88.1	Definitions.....	1433
11.88.2	Amended Procedures	1433
Part ZZQ	Energy Adequacy Assessment Projection.....	1434
11.89	Rules consequential to the National Electricity Amendment (Energy Adequacy Assessment Projection timeframes) Rule 2016.....	1434
11.89.1	Amended guideline and timetable	1434
Part ZZR	Reliability and emergency reserve trader (2016 amendments)	1434
11.90	Rules consequent on the making of the National Electricity Amendment (Extension of the Reliability and Emergency Reserve Trader) Rule 2016	1434
11.90.1	Definitions.....	1434
11.90.2	Amendments to Reliability Panel's RERT Guidelines.....	1435
11.90.3	Amendments to AEMO's RERT procedures	1435

11.90.4	Reserve contracts entered into before Schedule 2 commencement date.....	1435
Part ZZS	Updating the electricity B2B framework.....	1435
11.91	Rules consequential on the making of the National Electricity Amendment (Updating the electricity B2B framework) rule 2016.....	1435
11.91.1	Definitions.....	1435
11.91.2	B2B Procedures.....	1436
11.91.3	Information Exchange Committee Election Procedures and Information Exchange Committee Operating Manual	1436
11.91.4	The New IEC	1437
11.91.5	Amended Procedures.....	1438
11.91.6	B2B e-Hub Participant accreditation process	1439
11.91.7	New IEC Budget and 2016 Annual Report	1439
11.91.8	Cost recovery	1440
Part ZZT	Application of Offsets in the Prudential Margin Calculation.....	1440
11.92	Rules consequential on the making of the National Electricity Amendment (Application of Offsets in the Prudential Margin Calculation) Rule 2016	1440
11.92.1	Definitions.....	1440
11.92.2	Amended procedures	1441
Part ZZU	Rate of Return Guidelines Review	1441
11.93	Rules consequential on the making of the National Electricity Amendment (Rate of Return Guidelines Review) Rule 2016	1441
11.93.1	Definitions.....	1441
11.93.2	Application of current rate of return guidelines to making of a distribution determination for the subsequent regulatory control period	1442
Part ZZW	Local Generation Network Credits	1443
11.95	Rules consequential on the making of the National Electricity Amendment (Local Generation Network Credits) Rule 2016	1443
11.95.1	Definitions.....	1443
11.95.2	System initiation template.....	1443