

National Electricity Rules Version 123

Historical Information

This version of the National Electricity Rules was current from 1 July 2019 to 11 August 2019.

National Electricity Rules

Version 123

Status Information

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

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

National Electricity Amendment (Meter installation - advanced meter communications)
Rule 2019 No. 1

Schedules 1, 3, 4 and 5 of the National Electricity Amendment (Retailer Reliability
Obligation) Rule 2019

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 (Enhancement to the Reliability and Emergency Reserve Trader) Rule 2019 No. 3 will commence operation on 31 October 2019.

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

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

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

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

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

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

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

TABLE OF CONTENTS

1.	Introduction	1
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	4
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	6
1.8.3	Counting of days.....	7
1.8.4	Reference to addressee	7
1.9	Retention of Records and Documents	7
1.10	[Deleted]	7
1.11	AEMO Rule Funds	7
2.	Registered Participants and Registration	9
2.1	Registered Participants.....	11
2.1.1	Purpose.....	11
2.1.2	General.....	11
2.2	Generator	11
2.2.1	Registration as a Generator	11
2.2.2	Scheduled Generator	12
2.2.3	Non-Scheduled Generator	13
2.2.4	Market Generator.....	14
2.2.5	Non-Market Generator.....	15
2.2.6	Ancillary services generating unit	15
2.2.7	Semi-Scheduled Generator	16
2.3	Customer	18
2.3.1	Registration as a Customer	18
2.3.2	First-Tier Customer.....	19
2.3.3	Second-Tier Customer	19
2.3.4	Market Customer	20
2.3.5	Ancillary services load.....	20

2.3A	Small Generation Aggregator	23
2.3A.1	Registration.....	23
2.3AA	Market Ancillary Service Provider	23
2.3AA.1	Registration.....	23
2.4	Market Participant	24
2.4.1	Registration as a category of Market Participant.....	24
2.4.2	Eligibility	25
2.4A	Metering Coordinator	25
2.4A.1	Registration as a Metering Coordinator.....	25
2.4A.2	Eligibility	25
2.5	Network Service Provider	26
2.5.1	Registration as a Network Service Provider	26
2.5.1A	Dedicated Connection Asset Service Provider	28
2.5.2	Market Network Service.....	29
2.5.3	Scheduled Network Service.....	29
2.5A	Trader	30
2.5B	Reallocator.....	31
2.6	Special Participant.....	32
2.7	Intention to Commence Activities or Functions.....	32
2.8	Registered Participant Rights and Obligations.....	33
2.8.1	Rights and obligations	33
2.9	Application to be Registered as a Registered Participant	33
2.9.1	Applications for Registration	33
2.9.2	Registration as a Registered Participant	33
2.9.3	Registration as an Intermediary	34
2.9A	Transfer of Registration	35
2.9A.1	Definitions	35
2.9A.2	Applications for Transfer of Registration	35
2.9A.3	Approval for Transfer of Registration.....	36
2.10	Ceasing to be a Registered Participant	37
2.10.1	Notification of intention	37
2.10.2	Ceasing Participation	39
2.10.3	Liability after cessation.....	40
2.11	Participant Fees	40
2.11.1A	Application.....	40
2.11.1	Development of Participant fee structure	40
2.11.2	Payment of Participant fees	42
2.11.3	Budgeted revenue requirements	43
2.12	Interpretation of References to Various Registered Participants.....	44
2A.	Regional Structure	47
Part A	Region change applications and region determinations by AEMC	49
2A.1	Introduction to Chapter 2A	49
2A.1.1	Definitions	49

2A.1.2	AEMC determination of regions.....	49
2A.1.3	Publication of regions by AEMO	49
2A.2	Region change applications.....	49
2A.2.1	A complete region change application.....	49
2A.2.2	Identifying a congestion problem	50
2A.2.3	Explanation of economic efficiency of proposed region solution	50
2A.2.4	Region change application must be technically competent.....	50
2A.2.5	Alternative congestion management options	51
2A.2.6	Previous application relating to congestion problem.....	51
2A.2.7	AEMO to provide information to intending applicants	52
2A.2.8	AEMC may refuse to accept incomplete applications	53
2A.3	Acceptance of region change application by AEMC.....	53
2A.3.1	Acceptance of a region change application by AEMC	53
2A.3.2	Preliminary consultation prior to acceptance of a region change application.....	53
2A.4	First round consultation on region change application.....	54
2A.4.1	Notice of first round consultation	54
2A.4.2	Right to make written submissions during first round consultation period.....	54
2A.4.3	Alternative region solution put forward by third parties	55
2A.4.4	Acceptance as a formal alternative region solution by AEMC	55
2A.5	Provision of supplementary economic analysis.....	56
2A.5.1	AEMC may direct provision of supplementary analysis	56
2A.5.2	AEMC may direct AEMO to provide information	56
2A.6	Region determinations.....	57
2A.6.1	AEMC powers to make a region determination	57
2A.6.2	Matters for consideration in making region determination	57
2A.7	Draft region determination and second round consultation.....	58
2A.7.1	Publishing of draft region determination.....	58
2A.7.2	Second round consultation.....	58
2A.7.3	Right to make written submissions during second round consultation	59
2A.8	Final region determination	59
2A.8.1	Final determination for region change.....	59
2A.8.2	Formal publication of region determination	59
2A.9	Miscellaneous matters for region change process.....	59
2A.9.1	AEMC may extend periods of time specified in Chapter 2A	59
2A.9.2	Consultation meeting in relation to region change application	59
Part B	Implementation of region determination.....	60
2A.10	Purpose and application of Part B	60
2A.10.1	Purpose of Part B	60
2A.10.2	Application of Part B	60
2A.11	Region Change Implementation Procedure	60
2A.11.1	Submission of draft Region Change Implementation Procedure	60
2A.11.2	Approved Region Change Implementation Procedure	61
2A.12	AEMO region change implementation functions.....	61
2A.12.1	General implementation functions.....	61

2A.12.2	Implementation functions referable to published implementation procedure	61
2A.12.3	Amendment of current or subsequent Regions and Loss Factors Publication	61
2A.13	Continuity of regions	62
Schedule 2A.1	Glossary for Chapter 2A	62
3.	Market Rules	65
3.1	Introduction to Market Rules	67
3.1.1	Purpose	67
3.1.1A	Definitions	67
3.1.2	[Deleted]	68
3.1.3	[Deleted]	68
3.1.4	Market design principles.....	68
3.1.5	Time for undertaking action.....	69
3.2	AEMO's Market Responsibilities	69
3.2.1	Market functions of AEMO	69
3.2.2	Spot market.....	69
3.2.3	Power system operations	70
3.2.4	Non-market ancillary services function.....	70
3.2.5	[Deleted]	70
3.2.6	Settlements.....	70
3.3	Prudential Requirements	70
3.3.1	Market Participant criteria	70
3.3.2	Credit support	71
3.3.3	Acceptable credit criteria	71
3.3.4	Acceptable credit rating	72
3.3.4A	Prudential standard	72
3.3.5	Amount of credit support	72
3.3.6	Changes to credit support	73
3.3.7	Drawings on credit support.....	73
3.3.8	Credit limit procedures and prudential settings	74
3.3.8A	Security Deposits	76
3.3.9	Outstandings	76
3.3.10	Trading limit	76
3.3.11	Call notices	77
3.3.12	Typical accrual.....	77
3.3.13	Response to Call Notices	78
3.3.13A	Application of monies in the security deposit fund	78
3.3.14	Potential value of a transaction.....	80
3.3.15	Trading margin.....	80
3.3.16	Limitation on entry of transactions.....	80
3.3.17	Scheduled prices	81
3.3.18	Additional credit support	81
3.3.19	Consideration of other Market Participant transactions	81
3.4	Spot Market.....	82
3.4.1	Establishment of spot market.....	82
3.4.2	Trading day and trading interval.....	82

3.4.3	Spot market operations timetable	82
3.5	Regions.....	83
3.5.1	[Deleted]	83
3.5.2	[Deleted]	83
3.5.3	[Deleted]	83
3.5.4	[Deleted]	83
3.5.5	[Deleted]	83
3.5.6	[Deleted]	83
3.6	Network Losses and Constraints	83
3.6.1	Inter-regional losses	83
3.6.2	Intra-regional losses	84
3.6.2A	Load and generation data used to determine inter-regional loss factor equations and intra-regional loss factors	88
3.6.3	Distribution losses	89
3.6.4	Network constraints	93
3.6.5	Settlements residue due to network losses and constraints	94
3.7	Projected Assessment of System Adequacy	96
3.7.1	Administration of PASA	96
3.7.2	Medium term PASA.....	97
3.7.3	Short term PASA	99
3.7A	Congestion information resource	102
3.7B	Unconstrained intermittent generation forecast.....	104
3.7C	Energy Adequacy Assessment Projection	105
3.7D	Demand side participation information.....	108
3.8	Central Dispatch and Spot Market Operation	111
3.8.1	Central Dispatch.....	111
3.8.2	Participation in central dispatch.....	112
3.8.3	Bid and offer aggregation guidelines.....	113
3.8.3A	Ramp rates	115
3.8.4	Notification of scheduled capacity.....	117
3.8.5	Submission timing	119
3.8.6	Generating unit offers for dispatch	119
3.8.6A	Scheduled network service offers for dispatch.....	121
3.8.7	Bids for scheduled load	122
3.8.7A	Market ancillary services offers.....	124
3.8.8	Validation of dispatch bids and offers.....	125
3.8.9	Default offers and bids.....	126
3.8.10	Network constraints	127
3.8.11	Ancillary services constraints	128
3.8.12	System scheduled reserve constraints.....	128
3.8.13	Notification of constraints	129
3.8.14	Dispatch under conditions of supply scarcity	129
3.8.15	[Deleted]	129
3.8.16	Equal priced dispatch bids and dispatch offers.....	129
3.8.17	Self-commitment	130
3.8.18	Self-decommitment.....	130
3.8.19	Dispatch inflexibilities.....	131

3.8.20	Pre-dispatch schedule	133
3.8.21	On-line dispatch process.....	135
3.8.22	Rebidding.....	136
3.8.22A	Offers, bids and rebids must not be false or misleading.....	138
3.8.23	Failure to conform to dispatch instructions	140
3.8.24	Scheduling errors	142
3.9	Price Determination.....	142
3.9.1	Principles applicable to spot price determination.....	142
3.9.2	Determination of spot prices.....	144
3.9.2A	Determination of ancillary services prices	145
3.9.2B	Pricing where AEMO determines a manifestly incorrect input.....	146
3.9.3	Pricing in the event of intervention by AEMO.....	147
3.9.3A	Reliability standard and settings review	148
3.9.3B	Reliability standard and settings review report	149
3.9.3C	Reliability standard	150
3.9.3D	Implementation of the reliability standard.....	151
3.9.4	Market Price Cap	151
3.9.5	Application of the Market Price Cap	152
3.9.6	Market Floor Price.....	153
3.9.6A	Application of the Market Floor Price.....	153
3.9.7	Pricing for constrained-on scheduled generating units.....	153
3.10	[Deleted].....	154
3.11	Ancillary Services.....	154
3.11.1	Introduction.....	154
3.11.2	Market ancillary services	155
3.11.3	Acquisition of Network Support and Control Ancillary Service	156
3.11.4	Guidelines and objectives for acquisition of network support and control ancillary services.....	157
3.11.5	Tender process for network support and control ancillary services.....	157
3.11.6	Dispatch of network support and control ancillary services by AEMO	159
3.11.7	Guidelines and objectives for acquisition of system restart ancillary services by AEMO	160
3.11.8	Determination of electrical sub-network boundaries.....	161
3.11.9	Acquisition of system restart ancillary services by AEMO	162
3.11.10	Reporting	163
3.12	Market Intervention by AEMO.....	163
3.12.1	Intervention settlement timetable	163
3.12.2	Affected Participants and Market Customers entitlements to compensation in relation to AEMO intervention	164
3.12.3	Role of the Independent Expert in calculating payments in relation to intervention by AEMO and market suspension pricing schedule periods	168
3.12A	Mandatory restrictions.....	170
3.12A.1	Restriction offers.....	170
3.12A.2	Mandatory restrictions schedule	172
3.12A.3	Acquisition of capacity	173
3.12A.4	Rebid of capacity under restriction offers.....	173
3.12A.5	Dispatch of restriction offers	173
3.12A.6	Pricing during a restriction price trading interval.....	174

3.12A.7	Determination of funding restriction shortfalls	174
3.12A.8	Cancellation of a mandatory restriction period	178
3.12A.9	Review by AEMC	179
3.13	Market Information.....	179
3.13.1	Provision of information.....	179
3.13.2	Systems and procedures.....	179
3.13.3	Standing data	181
3.13.3A	Statement of opportunities	186
3.13.4	Spot market.....	188
3.13.4A	Market ancillary services	192
3.13.5	Ancillary services contracting by AEMO	193
3.13.5A	Settlements residue auctions.....	193
3.13.6	[Deleted]	193
3.13.6A	Report by AEMO	193
3.13.7	Monitoring of significant variation between forecast and actual prices by AER	194
3.13.8	Public information	195
3.13.9	[Deleted]	196
3.13.10	Market auditor	196
3.13.11	[Deleted]	197
3.13.12	NMI Standing Data.....	197
3.13.12A	NMI Standing Data Schedule	200
3.13.13	Inter-network tests	201
3.13.14	Carbon Dioxide Equivalent Intensity Index	201
3.14	Administered Price Cap and Market Suspension.....	204
3.14.1	Cumulative Price Threshold and Administered Price Cap	204
3.14.2	Application of Administered Price Cap	206
3.14.3	Conditions for suspension of the spot market.....	207
3.14.4	Declaration of market suspension.....	208
3.14.5	Pricing during market suspension.....	209
3.14.5A	Payment of compensation due to market suspension pricing schedule periods.....	211
3.14.5B	Claims for additional compensation due to market suspension pricing schedule periods.....	214
3.14.6	Compensation due to the application of an administered price cap or administered floor price	216
3.15	Settlements.....	220
3.15.1	Settlements management by AEMO.....	220
3.15.2	Electronic funds transfer.....	220
3.15.3	Connection point and virtual transmission node responsibility.....	221
3.15.4	Adjusted energy amounts connection points	221
3.15.5	Adjusted energy - transmission network connection points	221
3.15.5A	Adjusted energy - virtual transmission nodes.....	222
3.15.6	Spot market transactions.....	222
3.15.6A	Ancillary service transactions	223
3.15.7	Payment to Directed Participants.....	235
3.15.7A	Payment to Directed Participants for services other than energy and market ancillary services.....	237
3.15.7B	Claim for additional compensation by Directed Participants	240

3.15.8	Funding of Compensation for directions	242
3.15.8A	Funding of compensation for market suspension pricing schedule periods.....	246
3.15.9	Reserve settlements	248
3.15.10	Administered price cap or administered floor price compensation payments	249
3.15.10A	Goods and services tax	250
3.15.10B	Restriction contract amounts	251
3.15.10C	Intervention and Market Suspension Pricing Schedule Period Settlements.....	252
3.15.11	Reallocation transactions	256
3.15.11A	Reallocation procedures.....	257
3.15.12	Settlement amount	258
3.15.13	Payment of settlement amount.....	259
3.15.14	Preliminary statements.....	259
3.15.15	Final statements	259
3.15.15A	Use of estimated settlement amounts by AEMO	259
3.15.16	Payment by market participants.....	260
3.15.17	Payment to market participants	260
3.15.18	Disputes	260
3.15.19	Revised Statements and Adjustments	260
3.15.20	Payment of adjustments	263
3.15.21	Default procedure	263
3.15.22	Maximum total payment in respect of a billing period.....	267
3.15.23	Maximum total payment in respect of a financial year	269
3.15.24	Compensation for reductions under clause 3.15.23	270
3.15.25	Interest on overdue amounts.....	270
3.16	Participant compensation fund	270
3.16.1	Establishment of Participant compensation fund	270
3.16.2	Dispute resolution panel to determine compensation.....	271
3.17	[Deleted].....	273
3.18	Settlements Residue Auctions	273
3.18.1	Settlements residue concepts	273
3.18.2	Auctions and eligible persons	274
3.18.3	Auction rules	275
3.18.3A	Secondary trading of SRD units	276
3.18.4	Proceeds and fees.....	276
3.18.4A	Secondary trading proceeds and margin	277
3.18.5	Settlement residue committee.....	278
3.19	Market Management Systems Access Procedures	280
3.20	Reliability and Emergency Reserve Trader	280
3.20.1	[Deleted]	280
3.20.2	Reliability and emergency reserve trader	280
3.20.3	Reserve contracts	281
3.20.4	Dispatch pricing methodology for unscheduled reserve contracts	282
3.20.5	AEMO's risk management and accounts relating to the reliability safety net.....	282
3.20.6	Reporting on RERT by AEMO	283

3.20.7	AEMO's exercise of the RERT	284
3.20.8	RERT Guidelines	285
3.20.9	[Deleted]	285
Schedule 3.1	Bid and Offer Validation Data	285
Schedule 3.2	[Deleted]	289
Schedule 3.3	[Deleted]	289
4.	Power System Security	291
4.1	Introduction	293
4.1.1	Purpose	293
4.2	Definitions and Principles	293
4.2.1	[Deleted]	293
4.2.2	Satisfactory Operating State	293
4.2.3	Credible and non-credible contingency events and protected events	294
4.2.3A	Re-classifying contingency events	295
4.2.3B	Criteria for re-classifying contingency events	296
4.2.4	Secure operating state and power system security	297
4.2.5	Technical envelope	297
4.2.6	General principles for maintaining power system security	298
4.2.7	Reliable Operating State	299
4.2.8	Time for undertaking action	299
4.3	Power System Security Responsibilities and Obligations	299
4.3.1	Responsibility of AEMO for power system security	299
4.3.2	System security	301
4.3.3	The role of System Operators	304
4.3.4	Network Service Providers	306
4.3.5	Market Customer obligations	311
4.4	Power System Frequency Control	311
4.4.1	Power system frequency control responsibilities	311
4.4.2	Operational frequency control requirements	311
4.4.3	Generator protection requirements	312
4.4.4	Instructions to enable inertia network services	312
4.4.5	Instructions to enable system strength services	313
4.5	Control of Power System Voltage	315
4.5.1	Power system voltage control	315
4.5.2	Reactive power reserve requirements	315
4.5.3	Audit and testing	316
4.6	Protection of Power System Equipment	316
4.6.1	Power system fault levels	316
4.6.2	Power system protection co-ordination	316
4.6.3	Audit and testing	316
4.6.4	Short-term thermal ratings of power system	317
4.6.5	Partial outage of power protection systems	317
4.6.6	System strength impact assessment guidelines	317
4.7	Power System Stability Co-ordination	319
4.7.1	Stability analysis co-ordination	319

4.7.2	Audit and testing	319
4.8	Power System Security Operations	319
4.8.1	Registered Participants' advice	319
4.8.2	Protection or control system abnormality	320
4.8.3	AEMO's advice on power system emergency conditions	320
4.8.4	Declaration of conditions	320
4.8.4A	Reserve level declaration guidelines	321
4.8.4B	Lack of reserve framework reporting	322
4.8.5	Managing declarations of conditions	322
4.8.5A	Determination of the latest time for AEMO intervention	323
4.8.5B	Notifications of last time of AEMO intervention	324
4.8.6	[Deleted]	324
4.8.7	Managing a power system contingency event	324
4.8.8	[Deleted]	324
4.8.9	Power to issue directions and clause 4.8.9 instructions	324
4.8.9A	System security directions	326
4.8.10	Disconnection of generating units and market network services	327
4.8.11	[Deleted]	327
4.8.12	System restart plan and local black system procedures	327
4.8.13	[Deleted]	328
4.8.14	Power system restoration	328
4.8.15	Review of operating incidents	329
4.9	Power System Security Related Market Operations	331
4.9.1	Load forecasting	331
4.9.2	Instructions to Scheduled Generators and Semi-Scheduled Generators	332
4.9.2A	Dispatch Instructions to Scheduled Network Service Providers	333
4.9.3	Instructions to Registered Participants	333
4.9.3A	Ancillary services instructions	334
4.9.3B	Compliance with dispatch instructions	334
4.9.4	Dispatch related limitations on Scheduled Generators and Semi-Scheduled Generators	335
4.9.4A	Dispatch related limitations on Scheduled Network Service Providers	336
4.9.5	Form of dispatch instructions	337
4.9.6	Commitment of scheduled generating units	337
4.9.7	De-commitment, or output reduction, by Scheduled Generators	338
4.9.8	General responsibilities of Registered Participants	339
4.9.9	Scheduled Generator plant changes	340
4.9.9A	Scheduled Network Service Provider plant changes	340
4.9.9B	Ancillary service plant changes	341
4.9.9C	Inertia network service availability changes	341
4.9.9D	System strength service availability changes	341
4.10	Power System Operating Procedures	341
4.10.1	Power system operating procedures	341
4.10.2	Transmission network operations	342
4.10.3	Operating interaction with distribution networks	343
4.10.4	Switching of a Distributor's high voltage networks	343
4.10.5	Switching of reactive power facilities	344
4.10.6	Automatic reclose	344
4.10.7	Inspection of facilities by AEMO	344

4.11	Power System Security Support	344
4.11.1	Remote control and monitoring devices	344
4.11.2	Operational control and indication communication facilities.....	346
4.11.3	Power system voice/data operational communication facilities	346
4.11.4	Records of power system operational communication	348
4.11.5	Agent communications	348
4.12	Nomenclature Standards.....	349
4.13	[Deleted].....	350
4.14	Acceptance of Performance Standards	350
4.15	Compliance with Performance Standards.....	352
4.16	Transitioning arrangements for establishment of performance standards	355
4.16.1	Definitions	355
4.16.2	Exclusions.....	357
4.16.3	Notification and acceptance of performance standards	358
4.16.4	Actual capability	362
4.16.5	Criteria for, and negotiation of, performance standards	363
4.16.6	Consultation with and assistance by Network Service Providers.....	366
4.16.7	Referral to expert determination	366
4.16.8	Prior actions.....	367
4.16.9	Deemed performance standards.....	367
4.16.10	Modification of connection agreements	367
4.17	Expert determination	368
4.17.1	Performance standards committee and appointment of performance standards experts.....	368
4.17.2	Referral to performance standards expert.....	369
4.17.3	Determinations of performance standards experts	370
4.17.4	Other matters	371
4A.	Retailer Reliability Obligation	373
Part A	Introduction.....	375
4A.A	Definitions.....	375
4A.A.1	Definitions	375
4A.A.2	Forecast reliability gap materiality	378
4A.A.3	One-in-two year peak demand forecast	378
4A.A.4	Peak demand.....	378
Part B	Reliability Forecasts	379
4A.B.1	Reliability forecast.....	379
4A.B.2	Reliability forecast components	379
4A.B.3	Supporting materials.....	380
4A.B.4	Reliability Forecast Guidelines.....	380
4A.B.5	AER Forecasting Best Practice Guidelines.....	381
Part C	Reliability Instruments.....	382
Division 1	AEMO request for a reliability instrument	382
4A.C.1	AEMO request for a reliability instrument	382
4A.C.2	AEMO request for a T-3 reliability instrument.....	382

4A.C.3	AEMO request for a T-1 reliability instrument.....	383
4A.C.4	Related T-3 reliability instrument	383
4A.C.5	Notification of a closed forecast reliability gap at T-1	383
4A.C.6	Corrections to a request	384
4A.C.7	Withdrawing a request	384
Division 2	AER making of a reliability instrument	384
4A.C.8	AER making of a reliability instrument.....	384
4A.C.9	When a decision by the AER must be made	384
4A.C.10	T-1 reliability instrument components	385
4A.C.11	AER decision making criteria.....	385
4A.C.12	Reliability Instrument Guidelines.....	385
Part D	Liabe Entities	386
4A.D.1	Application.....	386
4A.D.2	Liabe entities.....	386
4A.D.3	New entrants	387
4A.D.4	Application to register as large opt-in customer	387
4A.D.5	Application to register as prescribed opt-in customer	388
4A.D.6	Thresholds.....	389
4A.D.7	Opt-in cut-off day	389
4A.D.8	AER approval of applications.....	389
4A.D.9	AER opt-in register	390
4A.D.10	Changes to register	390
4A.D.11	AER register taken to be correct.....	391
4A.D.12	AEMO Opt-In Procedures	391
4A.D.13	AER Opt-In Guidelines.....	391
Part E	Qualifying Contracts and Net Contract Position.....	392
Division 1	Key concepts.....	392
4A.E.1	Qualifying contracts.....	392
4A.E.2	Net contract position.....	393
Division 2	Firmness methodologies	394
4A.E.3	Firmness methodology.....	394
4A.E.4	Types of methodologies	394
4A.E.5	Approval of a bespoke firmness methodology	395
Division 3	Reporting net contract position	395
4A.E.6	Reporting requirements	395
Division 4	Adjustment of net contract position	396
4A.E.7	Adjustment of net contract position.....	396
Division 5	Contracts and Firmness Guidelines	398
4A.E.8	Contracts and Firmness Guidelines	398
Part F	Compliance with the Retailer Reliability Obligation	398
Division 1	Application.....	398
4A.F.1	Application.....	398
Division 2	Key concepts.....	399
4A.F.2	Compliance TI	399
4A.F.3	Share of one-in-two year peak demand forecast.....	399

Division 3	AEMO notifications to AER	400
4A.F.4	AEMO notification of compliance trading intervals	400
4A.F.5	AEMO compliance report.....	401
Division 4	AER assessment of compliance.....	401
4A.F.6	Reliability Compliance Procedures and Guidelines	401
4A.F.7	AER assessment.....	401
4A.F.8	AER notification to AEMO for PoLR costs	402
Division 5	Miscellaneous	402
4A.F.9	Demand response information	402
4A.F.10	PoLR cost procedures	402
Part G	Market Liquidity Obligation	403
Division 1	Preliminary.....	403
4A.G.1	Overview of Part G	403
4A.G.2	Purpose and application.....	404
Division 2	Market Generators and trading right holders.....	404
4A.G.3	Market Generators and generator capacity	404
4A.G.4	Trading rights and trading right holders	404
Division 3	Trading groups.....	405
4A.G.5	Trading group.....	405
4A.G.6	Controlling entity.....	405
Division 4	Traced capacity and trading group capacity.....	407
4A.G.7	Traced capacity	407
4A.G.8	Tracing capacity to trading groups	407
4A.G.9	Trading group capacity	408
Division 5	MLO generators and MLO groups.....	408
4A.G.10	MLO group	408
4A.G.11	MLO generator	408
Division 6	Market Generator information	408
4A.G.12	MLO register	408
4A.G.13	Market Generator information	410
4A.G.14	Applications to the AER	411
Division 7	Liquidity period	412
4A.G.15	Notices prior to a liquidity period.....	412
4A.G.16	Duration of liquidity period	412
Division 8	Liquidity obligation	413
4A.G.17	Liquidity obligation	413
4A.G.18	Performing a liquidity obligation.....	413
4A.G.19	Volume limits.....	414
4A.G.20	Appointment of MLO nominee	415
4A.G.21	Exemptions	416
Division 9	MLO products and MLO exchange.....	417
4A.G.22	MLO products.....	417
4A.G.23	MLO exchange	417
Division 10	Miscellaneous	418
4A.G.24	MLO compliance and reporting.....	418

4A.G.25	MLO Guidelines	418
Part H	Voluntary Book Build	419
4A.H.1	Purpose and application	419
4A.H.2	Book Build Procedures	419
4A.H.3	Commencement of voluntary book build	420
4A.H.4	Participation in the voluntary book build	421
4A.H.5	Book build fees	421
4A.H.6	Reporting	421
5.	Network Connection Access, Planning and Expansion	423
Part A	Introduction.....	425
5.1	Introduction to Chapter 5	425
5.1.1	Structure of this Chapter.....	425
5.1.2	Overview of Part B and connection and access under the Rules.....	425
Part B	Network Connection and Access	428
5.1A	Introduction to Part B	428
5.1A.1	Purpose and Application	428
5.1A.2	Principles	430
5.2	Obligations.....	431
5.2.1	Obligations of Registered Participants	431
5.2.2	Connection agreements.....	431
5.2.3	Obligations of network service providers	432
5.2.3A	Obligations of Market Network Service Providers	437
5.2.4	Obligations of customers	438
5.2.5	Obligations of Generators.....	439
5.2.6	Obligations of AEMO.....	441
5.2.6A	AEMO review of technical requirements for connection	441
5.2.7	Obligations of Dedicated Connection Asset Service Providers.....	442
5.2A	Transmission network connection and access	443
5.2A.1	Application.....	443
5.2A.2	Relevant assets.....	443
5.2A.3	Connection and access to transmission services.....	444
5.2A.4	Transmission services related to connection.....	445
5.2A.5	Publication and provision of information	448
5.2A.6	Negotiating principles.....	449
5.2A.7	Third party IUSAs	449
5.2A.8	Access framework for large dedicated connection assets	451
5.3	Establishing or Modifying Connection	452
5.3.1	Process and procedures.....	452
5.3.1A	Application of rule to connection of embedded generating units	453
5.3.2	Connection enquiry	453
5.3.3	Response to connection enquiry	455
5.3.4	Application for connection	458
5.3.4A	Negotiated access standards	460
5.3.4B	System strength remediation for new connections	463
5.3.5	Preparation of offer to connect	466
5.3.6	Offer to connect	467

5.3.7	Finalisation of connection agreements and network operating agreements	470
5.3.8	Provision and use of information.....	472
5.3.9	Procedure to be followed by a Generator proposing to alter a generating system	473
5.3.10	Acceptance of performance standards for generating plant that is altered	475
5.3.11	Notification of request to change normal voltage.....	476
5.3A	Establishing or modifying connection - embedded generation.....	476
5.3A.1	Application of rule 5.3A	476
5.3A.2	Definitions and miscellaneous	477
5.3A.3	Publication of Information.....	477
5.3A.4	Fees	479
5.3A.5	Enquiry	480
5.3A.6	Response to Enquiry	481
5.3A.7	Preliminary Response to Enquiry	481
5.3A.8	Detailed Response to Enquiry	482
5.3A.9	Application for connection	483
5.3A.10	Preparation of offer to connect	484
5.3A.11	Technical Dispute	485
5.3A.12	Network support payments and functions	485
5.3AA	Access arrangements relating to Distribution Networks.....	485
5.3B	Application for connection to declared shared network	489
5.4	Independent Engineer	489
5.4.1	Application.....	489
5.4.2	Establishment of a pool	490
5.4.3	Initiating the Independent Engineer process.....	490
5.4.4	Referral to the Adviser.....	491
5.4.5	Proceedings and decisions of the Independent Engineer.....	492
5.4.6	Costs of the Independent Engineer	493
5.4A	[Deleted]	493
5.4AA	[Deleted]	493
5.5	Commercial arbitration for prescribed and negotiated transmission services and large DCA services	493
5.5.1	Application.....	493
5.5.2	Notification of dispute	494
5.5.3	Appointment of commercial arbitrator	494
5.5.4	Procedures of commercial arbitrator	495
5.5.5	Powers of commercial arbitrator in determining disputes.....	495
5.5.6	Determination of disputes.....	497
5.5.7	Costs of dispute.....	497
5.5.8	Enforcement of agreement or determination and requirement for reasons	498
5.5.9	Miscellaneous	498
5.5A	[Deleted]	499
Part C	Post-Connection Agreement matters	499
5.6	Design of Connected Equipment	499
5.6.1	Application.....	499

5.6.2	Advice of inconsistencies	499
5.6.3	Additional information.....	499
5.6.4	Advice on possible non-compliance	500
5.6A	[Deleted].....	500
5.7	Inspection and Testing.....	500
5.7.1	Right of entry and inspection.....	500
5.7.2	Right of testing	502
5.7.3	Tests to demonstrate compliance with connection requirements for generators.....	503
5.7.3A	Tests to demonstrate compliance with system strength remediation schemes.....	505
5.7.4	Routine testing of protection equipment.....	506
5.7.5	Testing by Registered Participants of their own plant requiring changes to normal operation	507
5.7.6	Tests of generating units requiring changes to normal operation	509
5.7.7	Inter-network power system tests	510
5.7.8	Contestable IUSA components	517
5.8	Commissioning.....	517
5.8.1	Requirement to inspect and test equipment	517
5.8.2	Co-ordination during commissioning	518
5.8.3	Control and protection settings for equipment	518
5.8.4	Commissioning program	519
5.8.5	Commissioning tests	519
5.9	Disconnection and Reconnection.....	520
5.9.1	Voluntary disconnection	520
5.9.2	Decommissioning procedures.....	521
5.9.3	Involuntary disconnection	521
5.9.4	Direction to disconnect	522
5.9.4A	Notification of disconnection	522
5.9.5	Disconnection during an emergency.....	522
5.9.6	Obligation to reconnect.....	523
Part D	Network Planning and Expansion.....	524
5.10	Network development generally	524
5.10.1	Content of Part D	524
5.10.2	Definitions	525
5.10.3	Interpretation.....	528
5.11	Forecasts of connection to transmission network and identification of system limitations.....	529
5.11.1	Forecasts for connection to transmission network.....	529
5.11.2	Identification of network limitations	529
5.12	Transmission annual planning process	530
5.12.1	Transmission annual planning review	530
5.12.2	Transmission Annual Planning Report	530
5.13	Distribution annual planning process	534
5.13.1	Distribution annual planning review	534
5.13.2	Distribution Annual Planning Report	536

5.13.3	Distribution system limitation template.....	537
5.13A	Distribution zone substation information.....	538
5.14	Joint planning.....	540
5.14.1	Joint planning obligations of Transmission Network Service Providers and Distribution Network Service Providers.....	540
5.14.2	Joint planning obligations of Distribution Network Service Providers and Distribution Network Service Providers.....	541
5.14.3	Joint planning obligations of Transmission Network Service Providers...	542
5.14A	Joint planning in relation to retirement or de-ratings of network assets forming part of the Declared Shared Network	542
5.14B	TAPR Guidelines.....	542
5.14B.1	Development of TAPR Guidelines	542
5.15	Regulatory investment tests generally	543
5.15.1	Interested parties	543
5.15.2	Identification of a credible option.....	543
5.15.3	Review of costs thresholds	544
5.15.4	Costs determinations.....	546
5.16	Regulatory investment test for transmission.....	546
5.16.1	Principles	546
5.16.2	Regulatory investment test for transmission application guidelines	549
5.16.3	Investments subject to the regulatory investment test for transmission	550
5.16.4	Regulatory investment test for transmission procedures	553
5.16.5	Disputes in relation to application of regulatory investment test for transmission	559
5.16.6	Determination that preferred option satisfies the regulatory investment test for transmission.....	561
5.17	Regulatory investment test for distribution	562
5.17.1	Principles	562
5.17.2	Regulatory investment test for distribution application guidelines	564
5.17.3	Projects subject to the regulatory investment test for distribution	565
5.17.4	Regulatory investment test for distribution procedures.....	567
5.17.5	Disputes in relation to application of regulatory investment test for distribution.....	571
5.18	Construction of funded augmentations	573
5.18A	Large generator connections.....	574
5.18A.1	Definitions	574
5.18A.2	Register of large generator connections.....	574
5.18A.3	Impact assessment of large generator connections	575
5.18B	Completed embedded generation projects	576
5.18B.1	Definitions	576
5.18B.2	Register of completed embedded generation projects	576
5.19	SENE Design and Costing Study.....	577
5.19.1	Definitions	577
5.19.2	Interpretation.....	578
5.19.3	Request for SENE Design and Costing Study	578
5.19.4	Content of SENE Design and Costing Study	579

5.19.5	Co-operation of other Network Service Providers	580
5.19.6	Publication of SENE Design and Costing Study report	580
5.19.7	Provision and use of information.....	581
5.20	National transmission planning.....	581
5.20.1	Preliminary consultation.....	582
5.20.2	Publication of NTNDP	582
5.20.3	Development strategies for national transmission flow paths	585
5.20.4	NTNDP database	585
5.20.5	Jurisdictional planning bodies and jurisdictional planning representatives	586
5.20.6	NTP Functions	586
5.20.7	Inertia and system strength requirements methodologies.....	587
5.20A	Frequency management planning	588
5.20A.1	Power system frequency risk review	588
5.20A.2	Power system frequency risk review process	589
5.20A.3	Power system frequency risk review report.....	589
5.20A.4	Request for protected event declaration	590
5.20A.5	Request to revoke a protected event declaration	590
5.20B	Inertia sub-networks and requirements	591
5.20B.1	Boundaries of inertia sub-networks	591
5.20B.2	Inertia requirements	591
5.20B.3	Inertia shortfalls	592
5.20B.4	Inertia Service Provider to make available inertia services.....	593
5.20B.5	Inertia support activities	595
5.20B.6	Inertia network services information and approvals.....	596
5.20C	System strength requirements	598
5.20C.1	System strength requirements.....	598
5.20C.2	Fault level shortfalls	599
5.20C.3	System Strength Service Provider to make available system strength services.....	599
5.20C.4	System strength services information and approvals.....	601
5.21	AEMO's obligation to publish information and guidelines and provide advice.....	603
5.22	Last resort planning power	605
Schedule 5.1a	System standards	608
S5.1a.1	Purpose	608
S5.1a.2	Frequency	608
S5.1a.3	System stability.....	608
S5.1a.4	Power frequency voltage	609
S5.1a.5	Voltage fluctuations	609
S5.1a.6	Voltage waveform distortion.....	610
S5.1a.7	Voltage unbalance	610
S5.1a.8	Fault clearance times	611
Schedule 5.1	Network Performance Requirements to be Provided or Co-ordinated by Network Service Providers	612
S5.1.1	Introduction.....	612
S5.1.2	Network reliability	613

S5.1.2.1	Credible contingency events.....	613
S5.1.2.2	Network service within a region.....	614
S5.1.2.3	Network service between regions.....	615
S5.1.3	Frequency variations.....	615
S5.1.4	Magnitude of power frequency voltage.....	616
S5.1.5	Voltage fluctuations	617
S5.1.6	Voltage harmonic or voltage notching distortion.....	618
S5.1.7	Voltage unbalance	619
S5.1.8	Stability.....	619
S5.1.9	Protection systems and fault clearance times	621
S5.1.10	Load, generation and network control facilities	624
S5.1.10.1	General.....	624
S5.1.10.1a	Emergency frequency control schemes	624
S5.1.10.2	Distribution Network Service Providers.....	625
S5.1.10.3	Transmission Network Service Providers.....	626
S5.1.11	Automatic reclosure of transmission or distribution lines	626
S5.1.12	Rating of transmission lines and equipment.....	626
S5.1.13	Information to be provided	627
Schedule 5.2	Conditions for Connection of Generators	627
S5.2.1	Outline of requirements	627
S5.2.2	Application of Settings	628
S5.2.3	Technical matters to be coordinated	629
S5.2.4	Provision of information.....	630
S5.2.5	Technical requirements	632
S5.2.5.1	Reactive power capability.....	632
S5.2.5.2	Quality of electricity generated	634
S5.2.5.3	Generating system response to frequency disturbances	634
S5.2.5.4	Generating system response to voltage disturbances.....	637
S5.2.5.5	Generating system response to disturbances following contingency events	639
S5.2.5.6	Quality of electricity generated and continuous uninterrupted operation	647
S5.2.5.7	Partial load rejection	647
S5.2.5.8	Protection of generating systems from power system disturbances	648
S5.2.5.9	Protection systems that impact on power system security.....	650
S5.2.5.10	Protection to trip plant for unstable operation	651
S5.2.5.11	Frequency control	652
S5.2.5.12	Impact on network capability	655
S5.2.5.13	Voltage and reactive power control.....	656
S5.2.5.14	Active power control.....	663
S5.2.6	Monitoring and control requirements	665
S5.2.6.1	Remote Monitoring.....	665
S5.2.6.2	Communications equipment	667
S5.2.7	Power station auxiliary supplies	668
S5.2.8	Fault current.....	668
Schedule 5.3	Conditions for Connection of Customers	670
S5.3.1a	Introduction to the schedule.....	670
S5.3.1	Information	671
S5.3.2	Design standards	673
S5.3.3	Protection systems and settings	673

S5.3.4	Settings of protection and control systems	674
S5.3.5	Power factor requirements	675
S5.3.6	Balancing of load currents	676
S5.3.7	Voltage fluctuations	676
S5.3.8	Harmonics and voltage notching	676
S5.3.9	Design requirements for Network Users' substations	677
S5.3.10	Load shedding facilities	677
Schedule 5.3a	Conditions for connection of Market Network Services	678
S5.3a.1a	Introduction to the schedule	678
S5.3a.1	Provision of Information	679
S5.3a.2	Application of settings	681
S5.3a.3	Technical matters to be co-ordinated	681
S5.3a.4	Monitoring and control requirements	682
S5.3a.4.1	Remote Monitoring	682
S5.3a.4.2	[Deleted]	682
S5.3a.4.3	Communications equipment	682
S5.3a.5	Design standards	683
S5.3a.6	Protection systems and settings	684
S5.3a.7	[Deleted]	685
S5.3a.8	Reactive power capability	685
S5.3a.9	Balancing of load currents	685
S5.3a.10	Voltage fluctuations	686
S5.3a.11	Harmonics and voltage notching	686
S5.3a.12	Design requirements for Market Network Service Providers' substations	687
S5.3a.13	Market network service response to disturbances in the power system	687
S5.3a.14	Protection of market network services from power system disturbances	688
Schedule 5.4	Information to be Provided with Preliminary Enquiry	688
Schedule 5.4A	Preliminary Response	689
Schedule 5.4B	Detailed Response to Enquiry	691
Schedule 5.5	Technical Details to Support Application for Connection and Connection Agreement	694
S5.5.1	Introduction to the schedule	694
S5.5.2	Categories of data	694
S5.5.3	Review, change and supply of data	695
S5.5.4	Data Requirements	695
S5.5.5	Asynchronous generating unit data	696
S5.5.6	Generating units smaller than 30MW data	696
S5.5.7	Power System Design Data Sheet, Power System Setting Data Sheet and Power System Model Guidelines	696
Schedule 5.5.1	[Deleted]	699
Schedule 5.5.2	[Deleted]	699
Schedule 5.5.3	Network and plant technical data of equipment at or near connection point	699
Schedule 5.5.4	Network Plant and Apparatus Setting Data	702
Schedule 5.5.5	Load Characteristics at Connection Point	704
Schedule 5.6	Terms and Conditions of Connection agreements and network operating agreements	705

Part A	Connection agreements	705
Part B	Network Operating Agreements.....	706
Schedule 5.7	Annual Forecast Information for Planning Purposes	707
Schedule 5.8	Distribution Annual Planning Report.....	709
Schedule 5.9	Demand side engagement document (clause 5.13.1(h)).....	715
Schedule 5.10	Information requirements for Primary Transmission Network Service Providers (clause 5.2A.5).....	716
Schedule 5.11	Negotiating principles for negotiated transmission services (clause 5.2A.6)	720
Schedule 5.12	Negotiating principles for large DCA services	721
5A.	Electricity connection for retail customers	723
Part A	Preliminary	725
5A.A.1	Definitions	725
5A.A.2	Application of this Chapter	728
5A.A.3	Small Generation Aggregator deemed to be agent of a retail customer	728
Part B	Standardised offers to provide basic and standard connection services	729
Division 1	Basic connection services	729
5A.B.1	Obligation to have model standing offer to provide basic connection services.....	729
5A.B.2	Proposed model standing offer for basic connection services	729
5A.B.3	Approval of terms and conditions of model standing offer to provide basic connection services	730
Division 2	Standard connection services.....	731
5A.B.4	Standard connection services.....	731
5A.B.5	Approval of model standing offer to provide standard connection services.....	732
Division 3	Miscellaneous	732
5A.B.6	Amendment etc of model standing offer.....	732
5A.B.7	Publication of model standing offers	733
Part C	Negotiated connection	733
5A.C.1	Negotiation of connection.....	733
5A.C.2	Process of negotiation.....	734
5A.C.3	Negotiation framework.....	734
5A.C.4	Fee to cover cost of negotiation.....	736
Part D	Application for connection service	736
Division 1	Information	736
5A.D.1	Publication of information.....	736
5A.D.1A	Register of completed embedded generation projects	737
Division 2	Preliminary enquiry	738
5A.D.2	Preliminary enquiry	738
Division 3	Applications	739

5A.D.3	Application process.....	739
5A.D.4	Site inspection.....	740
Part E	Connection charges.....	740
5A.E.1	Connection charge principles.....	740
5A.E.2	Itemised statement of connection charges	742
5A.E.3	Connection charge guidelines.....	742
5A.E.4	Payment of connection charges	744
Part F	Formation and integration of connection contracts	745
Division 1	Offer and acceptance – basic and standard connection services.....	745
5A.F.1	Distribution Network Service Provider's response to application	745
5A.F.2	Acceptance of connection offer	745
5A.F.3	Offer and acceptance—application for expedited connection.....	745
Division 2	Offer and acceptance – negotiated connection.....	746
5A.F.4	Negotiated connection offer.....	746
Division 3	Formation of contract.....	746
5A.F.5	Acceptance of connection offer	746
Division 4	Contractual performance.....	747
5A.F.6	Carrying out connection work	747
5A.F.7	Retailer required for energisation where new connection	747
Part G	Dispute resolution between Distribution Network Service Providers and customers.....	747
5A.G.1	Relevant disputes	747
5A.G.2	Determination of dispute	748
5A.G.3	Termination of proceedings	748
SCHEDULE 5A.1 – Minimum content requirements for connection contract.....		749
Part A	Connection offer not involving embedded generation.....	749
Part B	Connection offer involving embedded generation	750
6.	Economic Regulation of Distribution Services	753
Part A	Introduction.....	755
6.1	Introduction to Chapter 6	755
6.1.1	AER's regulatory responsibility	755
6.1.1A	[Deleted]	755
6.1.2	Structure of this Chapter.....	755
6.1.3	Access to direct control services and negotiated distribution services	756
6.1.4	Prohibition of DUOS charges for the export of energy	756
Part B	Classification of Distribution Services and Distribution Determinations.....	757
6.2	Classification	757
6.2.1	Classification of distribution services.....	757
6.2.2	Classification of direct control services as standard control services or alternative control services	757
6.2.3	Term for which classification operates	758
6.2.3A	Distribution Service Classification Guidelines.....	758

6.2.4	Duty of AER to make distribution determinations	759
6.2.5	Control mechanisms for direct control services	759
6.2.6	Basis of control mechanisms for direct control services	760
6.2.7	Negotiated distribution services	761
6.2.8	Guidelines	761
Part C	Building Block Determinations for standard control services.....	762
6.3	Building block determinations.....	762
6.3.1	Introduction.....	762
6.3.2	Contents of building block determination	762
6.4	Post-tax revenue model	763
6.4.1	Preparation, publication and amendment of post-tax revenue model.....	763
6.4.2	Contents of post-tax revenue model	763
6.4.3	Building block approach.....	763
6.4.4	Shared assets	765
6.4.5	Expenditure Forecast Assessment Guidelines	766
6.4A	Capital expenditure incentive mechanisms	766
6.4B	Asset exemptions	767
6.4B.1	Asset exemption decisions and Asset Exemption Guidelines.....	767
6.4B.2	Exemption applications	768
6.5	Matters relevant to the making of building block determinations.....	768
6.5.1	Regulatory asset base.....	768
6.5.2	Return on capital.....	769
6.5.3	Estimated cost of corporate income tax.....	769
6.5.4	[Deleted]	770
6.5.5	Depreciation.....	770
6.5.6	Forecast operating expenditure.....	771
6.5.7	Forecast capital expenditure	773
6.5.8	Efficiency benefit sharing scheme.....	777
6.5.8A	Capital expenditure sharing scheme	778
6.5.9	The X factor.....	779
6.5.10	Pass through events.....	780
6.6	Adjustments after making of building block determination.....	780
6.6.1	Cost pass through.....	780
6.6.1A	Reporting on jurisdictional schemes.....	787
6.6.2	Service target performance incentive scheme	788
6.6.3	Demand management incentive scheme.....	789
6.6.3A	Demand management innovation allowance mechanism.....	790
6.6.4	Small-scale incentive scheme	791
6.6.5	Reopening of distribution determination for capital expenditure.....	792
6.6A	Contingent Projects	795
6.6A.1	Acceptance of a contingent project in a distribution determination	795
6.6A.2	Amendment of distribution determination for contingent project	797
Part D	Negotiated distribution services	802
6.7	Negotiated distribution services	802
6.7.1	Principles relating to access to negotiated distribution services.....	802

6.7.2	Determination of terms and conditions of access for negotiated distribution services.....	804
6.7.3	Negotiating framework determination.....	804
6.7.4	Negotiated Distribution Service Criteria determination	805
6.7.5	Preparation of and requirements for negotiating framework for negotiated distribution services	805
6.7.6	Confidential information	807
Part DA	Connection policies	807
6.7A	Connection policy requirements	807
6.7A.1	Preparation of, and requirements for, connection policy	808
Part E	Regulatory proposal and proposed tariff structure statement	808
6.8	Regulatory proposal and proposed tariff structure statement	808
6.8.1	AER's framework and approach paper	808
6.8.1A	Notification of approach to forecasting expenditure	811
6.8.2	Submission of regulatory proposal, tariff structure statement and exemption application.....	811
6.9	Preliminary examination and consultation	813
6.9.1	Preliminary examination.....	813
6.9.2	Resubmission of proposal.....	814
6.9.2A	Confidential information	814
6.9.3	Consultation.....	814
6.10	Draft distribution determination and further consultation.....	815
6.10.1	Making of draft distribution determination	815
6.10.2	Publication of draft determination and consultation.....	816
6.10.3	Submission of revised proposal	816
6.10.4	Submissions on specified matters	817
6.11	Distribution determination	817
6.11.1	Making of distribution determination.....	817
6.11.1A	Out of scope revised regulatory proposal or late submissions	818
6.11.2	Notice of distribution determination.....	818
6.11.3	Commencement of distribution determination	819
6.12	Requirements relating to draft and final distribution determinations.....	819
6.12.1	Constituent decisions	819
6.12.2	Reasons for decisions	823
6.12.3	Extent of AER's discretion in making distribution determinations	823
6.13	Revocation and substitution of distribution determination for wrong information or error	825
6.14	Miscellaneous	825
6.14A	Distribution Confidentiality Guidelines	826
Part F	Cost Allocation	826
6.15	Cost allocation.....	826
6.15.1	Duty to comply with Cost Allocation Method.....	826
6.15.2	Cost Allocation Principles	826
6.15.3	Cost Allocation Guidelines	827

6.15.4	Cost Allocation Method	828
Part G	Distribution consultation procedures.....	829
6.16	Distribution consultation procedures.....	829
Part H	Ring-Fencing Arrangements for Distribution Network Service Providers	830
6.17	Distribution Ring-Fencing Guidelines	830
6.17.1	Compliance with Distribution Ring-Fencing Guidelines	830
6.17.2	Development of Distribution Ring-Fencing Guidelines	831
Part I	Distribution Pricing Rules	832
6.18	Distribution Pricing Rules	832
6.18.1	Application of this Part	832
6.18.1A	Tariff structure statement	832
6.18.1B	Amending a tariff structure statement with the AER's approval.....	832
6.18.1C	Sub-threshold tariffs	834
6.18.2	Pricing proposals	835
6.18.3	Tariff classes	836
6.18.4	Principles governing assignment or re-assignment of retail customers to tariff classes and assessment and review of basis of charging.....	837
6.18.5	Pricing principles	837
6.18.6	Side constraints on tariffs for standard control services	839
6.18.7	Recovery of designated pricing proposal charges	840
6.18.7A	Recovery of jurisdictional scheme amounts	840
6.18.8	Approval of pricing proposal	844
6.18.9	Publication of information about tariffs and tariff classes.....	845
6.19.	Data Required for Distribution Service Pricing	845
6.19.1	Forecast use of networks by Distribution Customers and Embedded Generators	845
6.19.2	Confidentiality of distribution network pricing information	846
Part J	Billing and Settlements.....	846
6.20	Billing and Settlements Process	846
6.20.1	Billing for distribution services	846
6.20.2	Minimum information to be provided in distribution network service bills	848
6.20.3	Settlement between Distribution Network Service Providers	848
6.20.4	Obligation to pay	848
Part K	Prudential requirements, capital contributions and prepayments	848
6.21	Distribution Network Service Provider Prudential Requirements	848
6.21.1	Prudential requirements for distribution network service	849
6.21.2	Capital contributions, prepayments and financial guarantees	849
6.21.3	Treatment of past prepayments and capital contributions	850
Part L	Dispute resolution	850
6.22	Dispute Resolution	850
6.22.1	Dispute Resolution by the AER	850
6.22.2	Determination of dispute	850
6.22.3	Termination of access dispute without access determination	852

Part M	Separate disclosure of transmission and distribution charges	852
6.23	Separate disclosure of transmission and distribution charges	852
Part N	Dual Function Assets	853
6.24	Dual Function Assets	853
6.24.1	Application of this Part	853
6.24.2	Dual Function Assets	853
6.25	AER determination of applicable pricing regime for Dual Function Assets.....	854
6.26	Division of Distribution Network Service Provider's revenue.....	854
Part O	Annual Benchmarking Report.....	856
6.27	Annual Benchmarking Report.....	856
Part P	Distribution Reliability Measures Guidelines	856
6.28	Distribution Reliability Measures Guidelines	856
Schedule 6.1	Contents of building block proposals.....	856
S6.1.1	Information and matters relating to capital expenditure.....	856
S6.1.2	Information and matters relating to operating expenditure	857
S6.1.3	Additional information and matters	858
Schedule 6.2	Regulatory Asset Base	861
S6.2.1	Establishment of opening regulatory asset base for a regulatory control period	861
S6.2.2	Prudency and efficiency of capital expenditure.....	865
S6.2.2A	Reduction for inefficient past capital expenditure	865
S6.2.2B	Depreciation.....	867
S6.2.3	Roll forward of regulatory asset base within the same regulatory control period	868
6A.	Economic Regulation of Transmission Services	871
Part A	Introduction.....	873
6A.1	Introduction to Chapter 6A	873
6A.1.1	Economic regulation of transmission services generally.....	873
6A.1.2	[Deleted]	874
6A.1.3	[Deleted]	874
6A.1.4	National regulatory arrangements.....	874
6A.1.5	Application of Chapter 6A to Market Network Service Providers	874
6A.1.6	Application of Chapter 6A to AEMO and declared transmission system operators.....	874
Part B	Transmission Determinations Generally	875
6A.2	Transmission determinations.....	875
6A.2.1	Duty of AER to make transmission determinations	875
6A.2.2	Components of transmission determinations.....	875
6A.2.3	Guidelines	875
Part C	Regulation of Revenue - Prescribed Transmission Services	876
6A.3	Allowed revenue from prescribed transmission services	876

6A.3.1	Allowed revenue for regulatory year	876
6A.3.2	Adjustment of maximum allowed revenue	876
6A.4	Revenue determinations	876
6A.4.1	Introduction.....	876
6A.4.2	Contents of revenue determination	877
6A.5	Post-tax revenue model	878
6A.5.1	Introduction.....	878
6A.5.2	Preparation, publication and amendment of post-tax revenue model.....	878
6A.5.3	Contents of post-tax revenue model	878
6A.5.4	Building blocks approach	879
6A.5.5	Shared assets	880
6A.5.6	Expenditure Forecast Assessment Guidelines	881
6A.5A	Capital expenditure incentive mechanisms	882
6A.6	Matters relevant to the making of revenue determinations.....	882
6A.6.1	Regulatory asset base.....	882
6A.6.2	Return on capital.....	883
6A.6.3	Depreciation.....	884
6A.6.4	Estimated cost of corporate income tax.....	885
6A.6.5	Efficiency benefit sharing scheme	885
6A.6.5A	Capital expenditure sharing scheme	886
6A.6.6	Forecast operating expenditure.....	887
6A.6.7	Forecast capital expenditure	890
6A.6.8	The X factor	894
6A.6.9	Pass through events.....	894
6A.7	Matters relevant to the adjustment of revenue cap after making of revenue determination.....	895
6A.7.1	Reopening of revenue determination for capital expenditure.....	895
6A.7.2	Network support pass through	897
6A.7.3	Cost pass through.....	899
6A.7.4	Service target performance incentive scheme	905
6A.7.5	Small-scale incentive scheme	906
6A.8	Contingent Projects	907
6A.8.1	Acceptance of a Contingent Project in a revenue determination.....	907
6A.8.2	Amendment of revenue determination for contingent project.....	908
Part D	[Deleted]	913
Part E	Procedure - Revenue determinations and pricing methodologies.....	913
6A.10	Revenue Proposal and proposed pricing methodology	913
6A.10.1A	AER's framework and approach paper	913
6A.10.1B	Notification of approach to forecasting expenditure	915
6A.10.1	Submission of proposal, pricing methodology and information	915
6A.10.2	[Deleted]	917
6A.11	Preliminary examination and consultation	917
6A.11.1	Preliminary examination and determination of non-compliance with relevant requirements.....	917
6A.11.2	Resubmission of proposal, framework, pricing methodology or information.....	917

6A.11.2A	Confidential information	918
6A.11.3	Consultation.....	918
6A.12	Draft decision and further consultation.....	919
6A.12.1	Making of draft decision.....	919
6A.12.2	Publication of draft decision and consultation.....	920
6A.12.3	Submission of revised proposal or pricing methodology	920
6A.12.4	Submissions on specified matters	921
6A.13	Final decision.....	921
6A.13.1	Making of final decision.....	921
6A.13.2	Refusal to approve amounts, values, framework or pricing methodology	922
6A.13.2A	Out of scope revised documents or late submissions	923
6A.13.3	Notice of final decision.....	923
6A.13.4	Making of transmission determination	924
6A.14	Requirements relating to draft and final decisions.....	924
6A.14.1	Contents of decisions	924
6A.14.2	Reasons for decisions	926
6A.14.3	Circumstances in which matters must be approved or accepted	926
6A.15	Revocation of revenue determination or amendment of pricing methodology for wrong information or error	929
6A.16	Miscellaneous	929
6A.16A	Transmission Confidentiality Guidelines.....	930
Part F	Information Disclosure.....	930
6A.17	Information disclosure by Transmission Network Service Providers.	930
6A.17.1	Information to be provided to AER	930
6A.17.2	Information Guidelines.....	931
6A.18	[Deleted].....	933
Part G	Cost Allocation	933
6A.19	Cost allocation	933
6A.19.1	Duty to comply with Cost Allocation Methodology.....	933
6A.19.2	Cost Allocation Principles	933
6A.19.3	Cost Allocation Guidelines	934
6A.19.4	Cost Allocation Methodology	934
Part H	Transmission Consultation Procedures	936
6A.20	Transmission consultation procedures.....	936
Part I	Ring-Fencing Arrangements for Transmission Network Service Providers.....	937
6A.21	Transmission Ring-Fencing Guidelines	937
6A.21.1	Compliance with Transmission Ring-Fencing Guidelines	937
6A.21.2	Development of Transmission Ring-Fencing Guidelines.....	937
Part J	Prescribed Transmission Services - Regulation of Pricing	939
6A.22	Terms used in Part J	939
6A.22.1	Aggregate annual revenue requirement (AARR)	939
6A.22.2	Annual service revenue requirement (ASRR)	939

6A.22.3	Meaning of attributable cost share.....	939
6A.22.4	Meaning of attributable connection point cost share	939
6A.23	Pricing Principles for Prescribed Transmission Services.....	940
6A.23.1	Introduction.....	940
6A.23.2	Principles for the allocation of the aggregate annual revenue requirement	940
6A.23.3	Principles for the allocation of the annual service revenue requirement to connection points	941
6A.23.4	Principles for the recovery of the Annual Service Revenue Requirement as prices.....	943
6A.24	Pricing methodology	945
6A.24.1	Pricing methodologies generally	945
6A.24.2	Publication of pricing methodology and transmission network prices.....	946
6A.24.3	Basis for setting prices pending approval of pricing methodology	947
6A.24.4	Basis for setting prices pending approval of maximum allowed revenue	947
6A.25	Pricing methodology guidelines for prescribed transmission services.....	948
6A.25.1	Making and amending of pricing methodology guidelines	948
6A.25.2	Contents of pricing methodology guidelines	948
6A.26	Prudent discounts	950
6A.26.1	Agreements for prudent discounts for prescribed transmission services.....	950
6A.26.2	Application to AER for approval of proposed prudent discount amounts	951
6A.27	Billing Process	952
6A.27.1	Billing for prescribed transmission services.....	952
6A.27.1A	Billing of modified load export charges	953
6A.27.2	Minimum information to be provided in network service bills	953
6A.27.3	Obligation to pay charges for prescribed transmission services.....	953
6A.27.4	Payments between Transmission Network Service Providers in the same region	953
6A.27.5	Calculation of financial transfers between Transmission Network Service Providers in the same region.....	954
6A.28	Prudential Requirements	954
6A.28.1	Prudential Requirements for prescribed transmission services	954
6A.28.2	Capital contribution or prepayment for a specific asset	954
6A.28.3	Treatment of past capital contributions.....	954
6A.29	Multiple Transmission Network Service Providers	955
6A.29.1	Multiple Transmission Network Service Providers within a region.....	955
6A.29.2	Single Transmission Network Service Provider within a region.....	956
6A.29.3	Allocation over several regions	956
6A.29A	Modified load export charges	956
6A.29A.1	Single Transmission Network Service Provider in a Region.....	956
6A.29A.2	Calculation of the modified load export charges.....	956
6A.29A.3	Calculation of adjustments to the modified load export charge	957
6A.29A.4	Billing the modified load export charge	957
6A.29A.5	Allocation and billing process where multiple Transmission Network Service Providers in a Region.....	958

Part K	Commercial arbitration for disputes about terms and conditions of access for prescribed and negotiated transmission services	958
[Deleted]	958	
Part L	Annual Benchmarking Report.....	958
6A.31	Annual Benchmarking Report.....	958
Schedule 6A.1	Contents of Revenue Proposals	959
S6A.1.1	Information and matters relating to capital expenditure	959
S6A.1.2	Information and matters relating to operating expenditure	960
S6A.1.3	Additional information and matters	961
Schedule 6A.2	Regulatory Asset Base	963
S6A.2.1	Establishment of opening regulatory asset base for a regulatory control period	963
S6A.2.2	Prudence and efficiency of capital expenditure.....	967
S6A.2.2A	Reduction for inefficient past capital expenditure	968
S6A.2.2B	Depreciation.....	970
S6A.2.3	Removal of assets from regulatory asset base	971
S6A.2.4	Roll forward of regulatory asset base within the same regulatory control period	972
Schedule 6A.3	CRNP methodology and modified CRNP methodology	973
S6A.3.1	Meaning of optimised replacement cost	973
S6A.3.2	CRNP methodology	973
S6A.3.3	Modified CRNP methodology	974
Schedule 6A.4	Application of this Chapter to AEMO and declared transmission system operators	974
S6A.4.1	Application of this Chapter to AEMO etc.....	974
S6A.4.2	Exclusions, qualifications and modifications	975
6B.	Retail markets.....	983
Part A	Retail support.....	985
Division 1	Application and definitions	985
6B.A1.1	Application of this Part	985
6B.A1.2	Definitions	985
Division 2	Billing and payment rules	985
6B.A2.1	Obligation to pay	985
6B.A2.2	Direct customer billing and energy-only contracts.....	986
6B.A2.3	Calculating network charges.....	986
6B.A2.4	Statement of charges	986
6B.A2.5	Time and manner of payment	987
Division 3	Matters incidental to billing and payment	987
6B.A3.1	Adjustment of network charges	987
6B.A3.2	Tariff reassignment	987
6B.A3.3	Disputed statements of charges.....	988
6B.A3.4	Interest	989
6B.A3.5	Notification of changes to charges.....	989
Part B	Credit support required for late payment	990

Division 1	Application and definitions	990
6B.B1.1	Application of Part B	990
6B.B1.2	Definitions	990
Division 2	Requirements for credit support	990
6B.B2.1	Distribution Network Service Provider may require credit support in limited circumstances.....	990
Division 3	Provision of credit support by retailers	991
6B.B3.1	Retailer to provide credit support	991
6B.B3.2	Acceptable form of credit support	991
Division 4	Other Rules relating to credit support.....	992
6B.B4.1	Application of credit support	992
6B.B4.2	Return of credit support	992
6B.B4.3	Other retailer obligations	992
Schedule 6B.1	Prescribed form of unconditional undertaking for credit support	993
7.	Metering	995
Part A	Introduction.....	997
7.1	Introduction to the Metering Chapter	997
7.1.1	Contents	997
Part B	Roles and Responsibilities	997
7.2	Role and Responsibility of financially responsible Market Participant	997
7.2.1	Obligations of financially responsible Market Participants to establish metering installations	997
7.2.2	[Not used]	998
7.2.3	Agreements with Local Network Service Provider	998
7.2.4	[Not used]	998
7.2.5	Agreements with Metering Provider.....	998
7.3	Role and Responsibility of Metering Coordinator	998
7.3.1	Responsibility of the Metering Coordinator	998
7.3.2	Role of the Metering Coordinator.....	999
7.4	Qualification and Registration of Metering Providers, Metering Data Providers and Embedded Network Managers.....	1003
7.4.1	Qualifications and registration of Metering Providers	1003
7.4.2	Qualifications and registration of Metering Data Providers.....	1003
7.4.2A	Qualifications and registration of Embedded Network Managers	1004
7.4.2B	List of Embedded Network Managers.....	1004
7.4.3	Nature of appointment of Metering Provider or Metering Data Provider.....	1004
7.4.4	Deregistration of Metering Providers, Metering Data Providers and Embedded Network Managers.....	1005
7.5	Role and Responsibility of AEMO	1006
7.5.1	Responsibility of AEMO for the collection, processing and delivery of metering data.....	1006
7.5.2	AEMO's costs in connection with metering installation	1007

7.5A	Role and Responsibility of Embedded Network Managers	1007
7.5A.1	Responsibility of Embedded Network Managers for management services.....	1007
7.5A.2	EN information	1008
Part C	Appointment of Metering Coordinator	1008
7.6	Appointment of Metering Coordinator	1008
7.6.1	Commercial nature of the Metering Coordinator appointment and service provision	1008
7.6.2	Persons who may appoint Metering Coordinators.....	1009
7.6.3	Appointment with respect to transmission network connection	1009
7.6.4	Type 7 metering installations	1010
7.7	Metering Coordinator default arrangements.....	1011
7.7.1	Obligations of financially responsible Market Participants on Metering Coordinator default event and end of contract term	1011
7.7.2	Notices to be provided by Metering Coordinator	1012
7.7.3	AEMO may issue breach notice	1012
Part D	Metering installation	1013
7.8	Metering installation arrangements.....	1013
7.8.1	Metering installation requirements	1013
7.8.2	Metering installation components.....	1014
7.8.3	Small customer metering installations.....	1018
7.8.4	Type 4A metering installation.....	1018
7.8.5	Emergency management.....	1020
7.8.6	Network devices	1021
7.8.7	Metering point	1024
7.8.8	Metering installation types and accuracy	1024
7.8.9	Meter churn.....	1025
7.8.10	Metering installation malfunctions	1026
7.8.10A	Timeframes for meters to be installed – new connection	1027
7.8.10B	Timeframes for meters to be installed – where a connection service is not required	1028
7.8.10C	Timeframes for meters to be installed – where a connection alteration is required	1028
7.8.11	Changes to metering equipment, parameters and settings within a metering installation.....	1030
7.8.12	Special site or technology related conditions	1030
7.8.13	Joint metering installations	1031
7.9	Inspection, Testing and Audit of Metering installations.....	1032
7.9.1	Responsibility for testing	1032
7.9.2	Actions in event of non-compliance	1034
7.9.3	Audits of information held in metering installations	1034
7.9.4	Errors found in metering tests, inspections or audits.....	1035
7.9.5	Retention of test records and documents	1036
7.9.6	Metering installation registration process.....	1037
Part E	Metering Data	1037
7.10	Metering Data Services	1037
7.10.1	Metering Data Services.....	1037

7.10.2	Data management and storage	1038
7.10.3	Provision of metering data to certain persons.....	1039
7.10.4	Use of check metering data.....	1040
7.10.5	Periodic energy metering	1040
7.10.6	Time settings	1041
7.10.7	Metering data performance standards.....	1041
7.11	Metering data and database	1043
7.11.1	Metering database	1043
7.11.2	Data validation, substitution and estimation.....	1044
7.11.3	Changes to energy data or to metering data.....	1044
7.12	Register of Metering Information	1045
7.12.1	Metering register.....	1045
7.12.2	Metering register discrepancy.....	1045
7.13	Disclosure of NMI information.....	1045
7.13.1	Application of this Rule	1045
7.13.2	NMI and NMI checksum	1045
7.13.3	NMI Standing Data.....	1046
7.14	Metering data provision to retail customers	1046
Part F	Security of metering installation and energy data.....	1047
7.15	Security of metering installation and energy data.....	1047
7.15.1	Confidentiality	1047
7.15.2	Security of metering installations	1047
7.15.3	Security controls for energy data	1048
7.15.4	Additional security controls for small customer metering installations ..	1049
7.15.5	Access to data	1050
Part G	Procedures	1052
7.16	Procedures	1052
7.16.1	Obligation to establish, maintain and publish procedures	1052
7.16.2	Market Settlement and Transfer Solution Procedures	1053
7.16.3	Requirements of the metrology procedure	1053
7.16.4	Jurisdictional metrology material in metrology procedure.....	1054
7.16.5	Additional metrology procedure matters	1056
7.16.6	Requirements of the service level procedures	1057
7.16.6A	Requirements of the ENM service level procedures	1058
7.16.6B	Guide to embedded networks	1059
7.16.7	Amendment of procedures in the Metering Chapter.....	1059
7.16.8	National Measurement Act	1060
Part H	B2B Requirements	1061
7.17	B2B Arrangements.....	1061
7.17.1	B2B e-Hub	1061
7.17.2	B2B e-Hub Participants	1061
7.17.3	Content of the B2B Procedures	1062
7.17.4	Changing B2B Procedures.....	1063
7.17.5	B2B Decision.....	1065
7.17.6	Establishment of Information Exchange Committee.....	1066
7.17.7	Functions and powers of Information Exchange Committee	1067

7.17.8	Obligations of Members	1068
7.17.9	Meetings of Information Exchange Committee	1069
7.17.10	Nomination, election and appointment of Members	1069
7.17.11	Qualifications of Members	1070
7.17.12	Information Exchange Committee Election Procedures and Information Exchange Committee Operating Manual.....	1071
7.17.13	Cost Recovery.....	1072
Schedule 7.1	Metering register.....	1072
S7.1.1	General.....	1072
S7.1.2	Metering register information.....	1073
Schedule 7.2	Metering Provider.....	1074
S7.2.1	General.....	1074
S7.2.2	Categories of registration.....	1074
S7.2.3	Capabilities of Metering Providers for metering installations types 1, 2, 3, 4 and 4A.....	1076
S7.2.4	Capabilities of Metering Providers for metering installations types 5 and 6	1078
S7.2.5	Capabilities of Metering Providers for small customer metering installations	1078
S7.2.6	Capabilities of the Accredited Service Provider category	1079
Schedule 7.3	Metering Data Provider	1079
S7.3.1	General.....	1079
S7.3.2	Categories of registration.....	1079
S7.3.3	Capabilities of Metering Data Providers	1080
S7.3.4	Capabilities of Metering Data Providers for small customer metering installations	1082
Schedule 7.4	Types and Accuracy of Metering installations	1082
S7.4.1	General requirements.....	1082
S7.4.2	Metering installations commissioned prior to 13 December 1998	1082
S7.4.3	Accuracy requirements for metering installations	1083
S7.4.4	Check metering	1088
S7.4.5	Resolution and accuracy of displayed or captured data.....	1089
S7.4.6	General design standards	1089
S7.4.6.1	Design requirements	1089
S7.4.6.2	Design guidelines.....	1090
Schedule 7.5	Requirements of minimum services specification.....	1090
S7.5.1	Minimum services specification	1090
Schedule 7.6	Inspection and Testing Requirements	1094
S7.6.1	General.....	1094
S7.6.2	Technical Guidelines.....	1096
Schedule 7.7	Embedded Network Managers.....	1096
S7.7.1	General.....	1096
S7.7.2	Capabilities of Embedded Network Managers	1097
8.	Administrative Functions	1099
Part A	Introductory	1101

8.1	Administrative functions	1101
8.1.1	[Deleted]	1101
8.1.2	[Deleted]	1101
8.1.3	Structure of this Chapter	1101
Part B	Disputes	1101
8.2	Dispute Resolution	1101
8.2.1	Application and guiding principles	1101
8.2.2	The Dispute Resolution Adviser	1104
8.2.3	Dispute management systems of Registered Participants and AEMO	1105
8.2.4	Stage 1 - dispute resolution through Registered Participants' DMS	1106
8.2.5	Stage 2 - dispute resolution process	1108
8.2.6A	Establishment of Dispute Resolution Panel	1109
8.2.6B	Parties to DRP Proceedings	1110
8.2.6C	Proceedings of the DRP	1111
8.2.6D	Decisions of the DRP	1111
8.2.6	[Deleted]	1112
8.2.7	Legal representation	1112
8.2.8	Cost of dispute resolution	1112
8.2.9	Effect of resolution	1113
8.2.10	Recording and publication	1113
8.2.11	Appeals on questions of law	1114
8.2.12	[Deleted]	1114
8.2A	B2B Determination Disputes	1114
8.2A.1	Application of rule 8.2	1114
8.2A.2	How rule 8.2 applies	1114
8.3	Power to make Electricity Procedures	1116
8.4	[Deleted]	1117
8.5	[Deleted]	1117
Part C	Registered Participants' confidentiality obligations	1117
8.6	Confidentiality	1117
8.6.1	Confidentiality	1117
8.6.1A	Application	1118
8.6.2	Exceptions	1118
8.6.3	Conditions	1119
8.6.4	[Deleted]	1120
8.6.5	Indemnity to AER, AEMC and AEMO	1120
8.6.6	AEMO information	1120
8.6.7	Information on Rules Bodies	1120
Part D	Monitoring and reporting	1120
8.7	Monitoring and Reporting	1120
8.7.1	Monitoring	1120
8.7.2	Reporting requirements and monitoring standards for Registered Participants and AEMO	1121
8.7.3	Consultation required for making general regulatory information order (Section 28H of the NEL)	1123

8.7.4	Preparation of network service provider performance report (Section 28V of the NEL).....	1124
8.7.5	[Deleted]	1124
8.7.6	Recovery of reporting costs	1124
Part E	Reliability panel	1125
8.8	Reliability Panel	1125
8.8.1	Purpose of Reliability Panel	1125
8.8.2	Constitution of the Reliability Panel.....	1127
8.8.3	Reliability Panel review process.....	1129
8.8.4	Determination of protected events	1131
Part F	Rules consultation procedures	1133
8.9	Rules Consultation Procedures.....	1133
Part G	Consumer advocacy funding.....	1135
8.10	Consumer advocacy funding obligation.....	1135
Part H	Augmentations.....	1136
8.11	Augmentations.....	1136
8.11.1	Application.....	1136
8.11.2	Object.....	1136
8.11.3	Definitions	1136
8.11.4	Planning criteria.....	1137
8.11.5	Construction of augmentation that is not a contestable augmentation	1137
8.11.6	Contestable augmentations	1138
8.11.7	Construction and operation of contestable augmentation.....	1138
8.11.8	Funded augmentations that are not subject to the tender process.....	1140
8.11.9	Contractual requirements and principles	1141
8.11.10	Annual planning review	1141
Schedule 8.11	Principles to be reflected in agreements relating to contestable augmentations	1141
S8.11.1	Risk allocation	1141
S8.11.2	Minimum requirements for agreements relating to contestable augmentation.....	1143
S8.11.3	Matters to be dealt with in relevant agreements	1143
Part I	Values of customer reliability.....	1143
8.12	Development of methodology and publication of values of customer reliability	1143
8A.	Participant Derogations	1147
Part 1	Derogations Granted to TransGrid	1149
8A.1	[Deleted]	1149
Part 2	Derogations Granted to EnergyAustralia.....	1149
8A.2	[Deleted]	1149
8A.2A	[Deleted]	1149
Part 3	[Deleted]	1149

Part 4	[Deleted]	1149
Part 5	[Deleted]	1149
Part 6	Derogations Granted to Victorian Market Participants	1149
Part 7	[Deleted]	1150
Part 8	[Deleted]	1150
Part 9	[Deleted]	1150
Part 10	[Deleted]	1150
Part 11	[Deleted]	1150
Part 12	[Deleted]	1150
Part 13	Derogation granted to Aurora Energy (Tamar Valley) Pty Ltd	1150
8A.13	[Deleted]	1150
Part 14	Derogations granted to Ausgrid, Endeavour Energy and Essential Energy	1150
8A.14	Derogations from Chapter 6 for the current regulatory control period and subsequent regulatory control period	1150
8A.14.1	Definitions	1150
8A.14.2	Expiry date	1154
8A.14.3	Application of Rule 8A.14	1154
8A.14.4	Recovery of revenue across the current regulatory control period and subsequent regulatory control period.....	1155
8A.14.5	Recovery of revenue in subsequent regulatory control period only and no reopening of subsequent distribution determination required	1156
8A.14.6	Recovery of revenue in subsequent regulatory control period only and reopening of distribution determination is required.....	1157
8A.14.7	Requirements for adjustment determination	1159
8A.14.8	Application of Chapter 6 under participant derogation.....	1159
Part 15	Derogations granted to ActewAGL	1161
8A.15	Derogations from Chapter 6 for the current regulatory control period and subsequent regulatory control period	1161
8A.15.1	Definitions	1161
8A.15.2	Expiry date	1164
8A.15.3	Application of Rule 8A.15	1164
8A.15.4	Recovery of revenue across the current regulatory control period and subsequent regulatory control period.....	1165
8A.15.5	Recovery of revenue in subsequent regulatory control period only and no reopening of subsequent distribution determination required	1167
8A.15.6	Recovery of revenue in subsequent regulatory control period only and reopening of distribution determination is required.....	1168
8A.15.7	Requirements for adjustment determination	1170
8A.15.8	Application of Chapter 6 under participant derogation.....	1170
9.	Jurisdictional Derogations and Transitional Arrangements	1173
9.1	Purpose and Application	1175

9.1.1	Purpose.....	1175
9.1.2	Jurisdictional Derogations	1175
Part A	Jurisdictional Derogations for Victoria.....	1175
9.2	[Deleted]	1175
9.3	Definitions	1175
9.3.1	General Definitions	1175
9.3.2	[Deleted]	1177
9.3A	Fault levels	1177
9.4	Transitional Arrangements for Chapter 2 - Registered Participants, Registration and Cross Border Networks.....	1177
9.4.1	[Deleted]	1177
9.4.2	Smelter Trader.....	1177
9.4.3	Smelter Trader: compliance	1178
9.4.4	Report from AER	1181
9.4.5	Cross Border Networks.....	1181
9.5	[Deleted]	1182
9.6	Transitional Arrangements for Chapter 4 - System Security	1182
9.6.1	Operating Procedures (clause 4.10.1)	1182
9.6.2	Nomenclature Standards (clause 4.12)	1182
9.7	Transitional Arrangements for Chapter 5 - Network Connection	1182
9.7.1	[Deleted]	1182
9.7.2	[Deleted]	1182
9.7.3	[Deleted]	1182
9.7.4	Regulation of Distribution Network Connection.....	1182
9.7.5	[Deleted]	1183
9.7.6	[Deleted]	1183
9.7.7	[Deleted]	1183
9.8	Transitional Arrangements for Chapter 6 - Network Pricing.....	1183
9.8.1	[Deleted]	1183
9.8.2	[Deleted]	1183
9.8.3	[Deleted]	1183
9.8.4	Transmission Network Pricing.....	1183
9.8.4A	[Deleted]	1185
9.8.4B	[Deleted]	1185
9.8.4C	[Deleted]	1185
9.8.4D	[Deleted]	1185
9.8.4E	[Deleted]	1185
9.8.4F	[Deleted]	1185
9.8.4G	[Deleted]	1185
9.8.5	[Deleted]	1185
9.8.6	[Deleted]	1185
9.8.7	Distribution network pricing – transitional application of former Chapter 6.....	1185
9.8.8	Exclusion of AER's power to aggregate distribution systems and parts of distribution systems	1186
9.9	Transitional Arrangements for Chapter 7 - Metering	1186

9.9.1	Metering Installations To Which This Schedule Applies.....	1186
9.9.2	[Deleted]	1187
9.9.3	[Deleted]	1187
9.9.4	[Deleted]	1187
9.9.5	[Deleted]	1187
9.9.6	[Deleted]	1187
9.9.7	[Deleted]	1187
9.9.8	[Deleted]	1187
9.9.9	Periodic Energy Metering (clause 7.9.3)	1187
9.9.10	Use of Alternate Technologies (clause 7.13)	1187
9.9A	[Deleted]	1188
9.9B	[Deleted]	1188
9.9C	[Deleted]	1188
Schedule 9A1.1	[Deleted]	1188
Schedule 9A1.2	[Deleted]	1188
Schedule 9A1.3	[Deleted]	1188
Schedule 9A2	[Deleted]	1188
Schedule 9A3	Jurisdictional Derogations Granted to Generators	1188
1.	Interpretation of tables	1188
2.	Continuing effect	1188
3.	Subsequent agreement	1189
4.	[Deleted]	1189
5.	Reactive Power Capability (clause S5.2.5.1 of schedule 5.2)	1189
6.	[Deleted]	1190
7.	[Deleted]	1190
8.	[Deleted]	1190
9.	[Deleted]	1190
10.	[Deleted]	1190
11.	[Deleted]	1190
12.	[Deleted]	1190
13.	Governor Systems (load control) (clause S5.2.5.11 of schedule 5.2)	1190
14.	[Deleted]	1190
15.	[Deleted]	1190
16.	Excitation Control System (clause S5.2.5.13 of schedule 5.2)	1190
Part B	Jurisdictional Derogations for New South Wales.....	1191
9.10	[Deleted]	1191
9.11	Definitions	1191
9.11.1	Definitions used in this Part B	1191
9.12	Transitional Arrangements for Chapter 2 - Generators, Registered Participants, Registration and Cross Border Networks	1192
9.12.1	[Deleted]	1192
9.12.2	Customers	1192
9.12.3	Power Traders	1192
9.12.4	Cross Border Networks.....	1195
9.13	[Deleted]	1196

9.14	Transitional Arrangements for Chapter 4 - System Security	1196
9.14.1	Power System Operating Procedures.....	1196
9.15	NSW contestable services for Chapter 5A	1196
9.15.1	Definitions	1196
9.15.2	Chapter 5A not to apply to certain contestable services	1196
9.16	Transitional Arrangements for Chapter 6 - Network Pricing.....	1196
9.16.1	NSW contestable services.....	1196
9.16.2	[Deleted]	1196
9.16.3	Jurisdictional Regulator	1196
9.16.4	Deemed Regulated Interconnector.....	1197
9.16.5	[Deleted]	1197
9.17	Transitional Arrangements for Chapter 7 - Metering	1197
9.17.1	Extent of Derogations	1197
9.17.2	Initial Registration (clause 7.1.2).....	1197
9.17.3	Amendments to Schedule 9G1	1197
9.17.4	Compliance with AS/NZ ISO 9002 (clause S7.4.3(f) of schedule 7.4) ...	1198
9.17A	[Deleted]	1198
9.18	[Deleted]	1198
Part C	Jurisdictional Derogations for the Australian Capital Territory.....	1198
9.19	[Deleted]	1198
9.20	Definitions and Transitional Arrangements for Cross-Border Networks	1198
9.20.1	Definitions	1198
9.20.2	Cross Border Networks.....	1198
9.21	[Deleted]	1199
9.22	[Deleted]	1199
9.23	Transitional Arrangements for Chapter 6 - Network Pricing.....	1199
9.23.1	[Deleted]	1199
9.23.2	[Deleted]	1199
9.23.3	[Deleted].....	1199
9.23.4	[Deleted]	1199
9.24	Transitional Arrangements	1199
9.24.1	Chapter 7 - Metering.....	1199
9.24.2	[Deleted]	1199
9.24A	[Deleted]	1199
Part D	Jurisdictional Derogations for South Australia.....	1199
9.25	Definitions	1199
9.25.1	[Deleted]	1199
9.25.2	Definitions	1199
9.26	Transitional Arrangements for Chapter 2 - Registered Participants, Registration And Cross Border Networks	1202
9.26.1	Registration as a Generator.....	1202
9.26.2	Registration as a Customer	1203
9.26.3	Cross Border Networks.....	1203

9.26.4	[Deleted]	1203
9.26.5	Registration as a Network Service Provider	1203
9.27	[Deleted]	1204
9.28	Transitional Arrangements for Chapter 5 - Network Connection	1204
9.28.1	Application of clause 5.2	1204
9.28.2	[Deleted]	1205
9.29	Transitional Arrangements for Chapter 6 - Economic Regulation of Distribution Services.....	1205
9.29.1	[Deleted]	1205
9.29.2	[Deleted]	1205
9.29.3	[Deleted]	1205
9.29.4	[Deleted]	1205
9.29.5	Distribution Network Pricing – South Australia.....	1205
9.29.6	Capital contributions, prepayments and financial guarantees	1206
9.29.7	Ring fencing.....	1206
9.29A	Monitoring and reporting	1206
9.30	Transitional Provisions.....	1207
9.30.1	Chapter 7 - Metering.....	1207
Part E	Jurisdictional Derogations for Queensland	1207
9.31	[Deleted]	1207
9.32	Definitions and Interpretation.....	1207
9.32.1	Definitions	1207
9.32.2	Interpretation.....	1209
9.33	Transitional Arrangements for Chapter 1	1210
9.33.1	[Deleted]	1210
9.34	Transitional Arrangements for Chapter 2 - Registered Participants and Registration	1210
9.34.1	Application of the Rules in Queensland (clauses 2.2 and 2.5)	1210
9.34.2	Stanwell Cross Border Leases (clause 2.2).....	1210
9.34.3	[Deleted]	1210
9.34.4	Registration as a Customer (clause 2.3.1)	1210
9.34.5	There is no clause 9.34.5.....	1211
9.34.6	Exempted generation agreements (clause 2.2).....	1211
9.35	[Deleted]	1215
9.36	[Deleted]	1215
9.37	Transitional Arrangements for Chapter 5 - Network Connection	1215
9.37.1	[Deleted]	1215
9.37.2	Existing connection and access agreements (clause 5.2).....	1215
9.37.3	[Deleted]	1216
9.37.4	[Deleted]	1216
9.37.5	Forecasts for connection points to transmission network (clause 5.11.1)	1216
9.37.6	There is no clause 9.37.6	1216
9.37.7	Cross Border Networks.....	1216
9.37.8	[Deleted]	1216

9.37.9	Credible contingency events (clause S5.1.2.1 of schedule 5.1).....	1216
9.37.10	Reactive power capability (clause S5.2.5.1 of schedule 5.2)	1217
9.37.11	[Deleted]	1217
9.37.12	Voltage fluctuations (clause S5.1.5 of schedule 5.1)	1217
9.37.13	[Deleted]	1219
9.37.14	[Deleted]	1219
9.37.15	[Deleted]	1219
9.37.16	[Deleted]	1219
9.37.17	[Deleted]	1219
9.37.18	[Deleted]	1219
9.37.19	Generating unit response to disturbances (clause S5.2.5.3 of schedule 5.2)	1219
9.37.20	[Deleted]	1220
9.37.21	Excitation control system (clause S.5.2.5.13 of schedule 5.2)	1220
9.37.22	[Deleted]	1220
9.37.23	Annual forecast information for planning purposes (schedule 5.7).....	1220
9.38	Transitional Arrangements for Chapter 6 - Network Pricing	1221
9.38.1	[Deleted]	1221
9.38.2	[Deleted]	1221
9.38.3	[Deleted]	1221
9.38.4	Interconnectors between regions	1221
9.38.5	Transmission pricing for exempted generation agreements	1221
9.39	Transitional Arrangements for Chapter 7 - Metering.....	1222
9.39.1	Metering installations to which this clause applies	1222
9.39.2	[Deleted]	1222
9.39.3	[Deleted]	1222
9.39.4	[Deleted]	1222
9.39.5	[Deleted]	1222
9.40	Transitional Arrangements for Chapter 8 - Administration Functions	1222
9.40.1	[Deleted]	1222
9.40.2	[Deleted]	1222
9.40.3	[Deleted]	1222
9.41	[Deleted].....	1222
Schedule 9E1	Exempted Generation Agreements.....	1222
Part F	Jurisdictional Derogations for Tasmania.....	1223
9.42	Definitions and interpretation	1223
9.42.1	Definitions	1223
9.42.2	Interpretation.....	1224
9.42.3	National grid, power system and related expressions.....	1224
9.43	[Deleted].....	1225
9.44	Transitional arrangements for Chapter 2 – Registered Participants and Registration - Customers (clause 2.3.1(e))	1225
9.45	Tasmanian Region (clause 3.5).....	1225
9.47	Transitional arrangements for Chapter 5- Network Connection	1225
9.47.1	Existing Connection Agreements	1225

9.48	Transitional arrangements - Transmission and Distribution Pricing	1225
9.48.4A	Ring fencing.....	1225
9.48.4B	Uniformity of tariffs for small customers	1226
9.48.5	Transmission network	1226
9.48.6	Deemed regulated interconnector	1226
Part G	Schedules to Chapter 9	1226
Schedule 9G1	Metering Transitional Arrangements	1226
1.	Introduction.....	1226
2.	[Deleted]	1226
3.	General Principle	1226
4.	[Deleted]	1227
5.	Accuracy Requirements	1227
6.	[Deleted]	1227
7.	[Deleted]	1227
8.	[Deleted]	1227
9.	[Deleted]	1227
10.	[Deleted]	1227
10.	Glossary.....	1229
11.	Savings and Transitional Rules	1359
Part A	Definitions.....	1361
Part B	System Restart Ancillary Services (2006 amendments)	1361
11.2	Rules consequent on making of the National Electricity Amendment (System Restart Ancillary Services and pricing under market suspension) Rule 2006.....	1361
11.2.1	Transitional provision for acquisition of non-market ancillary services .	1361
11.3	[Deleted]	1362
Part C	Dispute Resolution for Regulatory Test (2006 amendments).....	1362
11.4	Rules consequent on making of the National Electricity Amendment (Dispute Resolution for Regulatory Test) Rule 2006	1362
11.4.1	Continuation of things done under old clause 5.6.6	1362
Part D	Metrology (2006 amendments)	1363
11.5	Rules consequential on the making of the National Electricity Amendment (Metrology) Rule 2006.....	1363
11.5.1	Definitions	1363
11.5.2	Metrology procedures continues to apply until 31 December 2006.....	1363
11.5.3	Responsible person	1363
11.5.4	NEMMCO's responsibility to develop a metrology procedure	1363
11.5.5	Jurisdictional metrology material in the metrology procedure.....	1364
Part E	Economic Regulation of Transmission Services (2006 amendments)	1364
11.6	Rules consequent on making of the National Electricity Amendment (Economic Regulation of Transmission Services) Rule 2006	1364

11.6.1	Definitions	1364
11.6.2	New Chapter 6A does not affect existing revenue determinations	1366
11.6.3	Old Part C and Schedules 6.2, 6.3, 6.4, 6.7 and 6.8 of old Chapter 6	1366
11.6.4	Old Part F of Chapter 6	1366
11.6.5	Application of new Chapter 6A to Transmission Network Service Providers	1366
11.6.6	Application of Chapter 6 to old distribution matters	1366
11.6.7	References to the old Chapter 6	1367
11.6.8	References to provisions of the old Chapter 6	1367
11.6.9	Roll forward of regulatory asset base for first regulatory control period	1367
11.6.10	Other adjustment carry-over mechanisms from current to first regulatory control period	1367
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	1367
11.6.12	Powerlink transitional provisions	1370
11.6.13	ElectraNet easements transitional provisions	1373
11.6.14	TransGrid contingent projects	1374
11.6.15	Transmission determination includes existing revenue determinations	1374
11.6.16	References to regulatory control period	1374
11.6.17	Consultation procedure for first proposed guidelines	1375
11.6.18	Reliance on proposed guidelines for SP AusNet, VENCORP and ElectraNet	1375
11.6.19	EnergyAustralia transitional provisions	1376
11.6.20	Basslink transitional provisions	1378
11.6.21	SPI Powernet savings and transitional provision	1379
11.6.22	Interim arrangements pricing-related information	1381
Part F	Reform of Regulatory Test Principles (2006 amendments)	1381
11.7	Rules consequent on making of the National Electricity Amendment (Reform of the Regulatory Test Principles) Rule 2006	1381
11.7.1	Definitions	1381
11.7.2	Amending Rule does not affect old clause 5.6.5A	1382
Part G	Pricing of Prescribed Transmission Services (2006 amendments)	1382
11.8	Rules consequent on making the National Electricity Amendment (Pricing of Prescribed Transmission Services) Rule 2006	1382
11.8.1	Definitions	1382
11.8.2	Regulated interconnectors	1383
11.8.3	Application of new Part J of Chapter 6A to Transmission Network Service Providers	1383
11.8.4	Reliance on agreed interim guideline for ElectraNet, SPAusNet, and VenCorp	1383
11.8.5	Prudent discounts under existing agreements	1383
11.8.6	Application of prudent discounts regime under rule 6A.26	1384
11.8.7	Prudent discounts pending approval of pricing methodology	1384
Part H	Reallocations (2007 amendments)	1385
11.9	Rules consequent on the making of the National Electricity Amendment (Reallocations) Rule 2007	1385
11.9.1	Definitions	1385

11.9.2	Existing and transitional reallocations.....	1385
Part I	Technical Standards for Wind Generation (2007 amendments)	1385
11.10	Rules consequent on making of the National Electricity Amendment (Technical Standards for Wind Generation and other Generator Connections) Rule 2007	1385
11.10.1	Definitions	1385
11.10.2	Provision of information under S5.2.4 in registration application	1386
11.10.3	Access standards made under the old Chapter 5.....	1386
11.10.4	Modifications to plant by Generators	1386
11.10.5	Technical Details to Support Application for Connection and Connection Agreement.....	1387
11.10.6	Transitional arrangements for establishment of performance standards ..	1387
11.10.7	Jurisdictional Derogations for Queensland.....	1387
11.10A	Rules consequent on the making of the National Electricity Amendment (Central Dispatch and Integration of Wind and Other Intermittent Generation) Rule 2008.....	1387
11.10A.1	Definitions	1387
11.10A.2	Registration and reclassification of classified generating units.....	1388
11.10A.3	Registered generating unit	1389
11.10A.4	Classification of potential semi-scheduled generating unit	1389
11.10A.5	Participant fees.....	1389
11.10A.6	Timetable	1390
11.10A.7	Procedure for contribution factors for ancillary service transactions.....	1390
11.10A.8	Guidelines for energy conversion model information	1390
Part J	Cost Recovery of Localised Regulation Services (2007 amendments)	1390
11.11	Rules consequent on making of the National Electricity Amendment (Cost Recovery of Localised Regulation Services) Rule 2007.....	1390
11.11.1	Definitions	1390
11.11.2	Action taken by NEMMCO for the purposes of Amending Rule.....	1391
11.12	[Deleted].....	1391
Part L	[Deleted].....	1391
Part M	Economic Regulation of Distribution Services (2007 amendments) ..	1391
Division 1	General Provisions	1391
11.14	General provisions	1391
11.14.1	Application of this Division.....	1391
11.14.2	Definitions	1391
11.14.3	Preservation of old regulatory regime	1392
11.14.4	Transfer of regulatory responsibility	1393
11.14.5	Special requirements with regard to ring fencing.....	1393
11.14.6	Additional requirements with regard to cost allocation.....	1394
11.14.7	Construction of documents	1394
Division 2	[Deleted].....	1394
Division 3	Transitional arrangements for first distribution determination for Queensland Distribution Network Service Providers	1394

11.16	Transitional arrangements for first distribution determination for Queensland Distribution Network Service Providers	1394
11.16.1	Definitions	1394
11.16.2	Application of Part to Queensland 2010 distribution determinations.....	1395
11.16.3	Treatment of the regulatory asset base.....	1395
11.16.4	Efficiency Benefit Sharing Scheme.....	1395
11.16.5	Service Target Performance Incentive Scheme	1395
11.16.6	Framework and approach	1396
11.16.7	Regulatory Proposal.....	1396
11.16.8	Side constraints	1396
11.16.9	Cost pass throughs	1396
11.16.10	Capital Contributions Policy.....	1397
Division 4	Transitional provisions of specific application to Victoria.....	1397
11.17	Transitional provisions of specific application to Victoria.....	1397
11.17.1	Definitions	1397
11.17.2	Calculation of estimated cost of corporate income tax.....	1398
11.17.3	Decisions made in the absence of a statement of regulatory intent	1398
11.17.4	Cost allocation guidelines.....	1398
11.17.5	Modification of requirements related to cost allocation method	1398
11.17.6	AMI Order in Council.....	1399
Part N	Registration of Foreign Based Persons and Corporations as Trader Class Participants (2007 amendments).....	1400
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.....	1400
11.18.1	Definitions	1400
11.18.2	Auction rules	1400
Part O	Process for Region Change (2007 amendments).....	1400
11.19	Rules consequent on making of the National Electricity Amendment (Process for Region Change) Rule 2007.....	1400
11.19.1	Definitions	1400
11.19.2	Regions Publication	1400
Part P	Integration of NEM Metrology Requirements.....	1401
11.20	Rules consequential on the making of the National Electricity Amendment (Integration of NEM Metrology Requirements) Rule 2008	1401
11.20.1	Definitions	1401
11.20.2	Metering installations for non-market generating units immediately prior to 30 June 2008	1401
11.20.3	First-tier load metering installations	1401
11.20.4	First-tier load metering installations in Victoria	1402
11.20.5	Minimalist Transitioning Approach in Queensland	1402
11.20.6	First-tier jurisdictional requirements publication	1402
11.20.7	Metrology procedure	1402
Part PA	Reliability Settings: Information Safety Net and Directions	1403

11.21	Rules consequential on the making of the National Electricity Amendment (NEM Reliability Settings: Information Safety Net and Directions) Rule 2008.....	1403
11.21.1	Definitions	1403
11.21.2	EAAP guidelines.....	1403
11.21.3	[Deleted]	1403
11.21.4	[Deleted]	1403
11.21.5	Timetable	1403
11.21.6	Power system security and reliability standards.....	1403
11.21.7	Report on statement of opportunities.....	1403
11.21.8	Methodology for dispatch prices and ancillary services prices	1404
Part Q	Regulatory Test Thresholds and Information Disclosure on Network Replacements.....	1404
11.22	Rules consequential on the making of the National Electricity Amendment (Regulatory Test Thresholds and Information Disclosure on Network Replacements) Rule 2008	1404
11.22.1	Definitions	1404
11.22.2	Amending Rule does not affect existing regulatory test	1404
Part R	Performance Standard Compliance of Generators	1405
11.23	Rules consequential on the making of the National Electricity Amendment (Performance Standards Compliance of Generators) Rule 2008	1405
11.23.1	Definitions	1405
11.23.2	Application of rule 11.23 for compliance programs implemented immediately after the commencement of the Amending Rule	1405
11.23.3	Application of rule 11.23 for compliance programs implemented immediately prior to the commencement of the Amending Rule	1405
11.23.4	Application of rule 11.23 for compliance programs not implemented immediately prior to the commencement of the Amending Rule	1405
Part S	[Deleted].....	1406
Part U	Confidentiality Arrangements concerning Information required for Power System Studies.....	1406
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.....	1406
11.25.1	Definitions	1406
11.25.2	Transitional arrangements for the provision of information.....	1406
Part V	WACC Reviews: Extension of Time.....	1407
11.26	Rule consequential on the making of the National Electricity Amendment (WACC Reviews: Extension of Time) Rule 2009	1407
11.26.1	Definitions	1407
11.26.2	Extension of time to submit a regulatory proposal for the regulatory control period 2010-2015.....	1408
Part W	National Transmission Statement.....	1408
11.27	Rules consequent on the making of the National Electricity Amendment (National Transmission Statement) Rule 2009	1408

11.27.1	Definitions	1408
11.27.2	Purpose	1408
11.27.3	Application of rule 11.27	1408
11.27.4	National Transmission Statement	1409
11.27.5	Scope and Content of National Transmission Network Development Plan	1410
11.27.6	Energy Adequacy Assessment Projection	1411
11.27.7	Amendment to Last Resort Power	1411
11.27.8	Actions taken prior to commencement of Rule.....	1411
Part X	National Transmission Planning.....	1411
11.28	Rules consequential on the making of the National Electricity (Australian Energy Market Operator) Amendment Rules 2009	1411
11.28.1	Definitions	1411
11.28.2	Jurisdictional planning bodies and representatives.....	1411
11.28.3	Criteria and guidelines published by Inter-regional Planning Committee.....	1412
11.28.4	Augmentation technical reports	1412
11.28.5	Last Resort Planning Power.....	1412
11.28.6	Inter-network power system tests	1413
11.28.7	Control and protection settings for equipment	1413
11.28.8	Revenue Proposals.....	1413
Part Y	Regulatory Investment Test for Transmission	1413
11.29	Rules consequent on making of the National Electricity Amendment (Regulatory Investment Test for Transmission) Rule 2009	1413
11.29.1	Definitions	1413
11.29.2	Period when Amending Rule applies to transmission investment.....	1414
Part Z	Congestion Information Resource.....	1415
11.30	Rules consequent on the making of the National Electricity Amendment (Congestion Information Resource) Rule 2009	1415
11.30.1	Definitions	1415
11.30.2	Interim congestion Information resource.....	1415
Part ZA	Reliability and emergency reserve trader (2009 amendments)	1417
11.31	Rules consequent on the making of the National Electricity Amendment (Improved RERT Flexibility and Short-notice Reserve Contracts) Rule 2009	1417
11.31.1	Definitions	1417
11.31.2	Purpose	1417
11.31.3	Amendments to Reliability Panel's RERT Guidelines.....	1417
11.31.4	Amendments to AEMO's RERT procedures for exercising the RERT	1418
Part ZB	Early Application of Market Impact Parameters.....	1419
11.32	Rules consequent on the making of the National Electricity Amendment (Early Implementation of Market Impact Parameters) Rule 2010	1419
11.32.1	Definitions	1419
11.32.2	Purpose	1419

11.32.3	Early application of the market impact component of the service target performance incentive scheme.....	1419
Part ZC	Transparency of operating data	1422
11.33	Rules consequential on the making of National Electricity Amendment (Transparency of Operating Data) Rule 2010	1422
11.33.1	Definitions	1422
11.33.2	Spot market operations timetable	1423
Part ZD	Cost Recovery for Other Services Directions.....	1424
11.34	Rules consequent on making of the National Electricity Amendment (Cost Recovery for Other Services Directions) Rule 2010	1424
11.34.1	Definitions	1424
11.34.2	Period when Amending Rules applies to funding of compensation	1425
Part ZE	Payments under Feed-in Schemes and Climate Change Funds	1425
11.35	Rules consequential on the making of the National Electricity Amendment (Payments under Feed-in Schemes and Climate Change Funds) Rule 2010	1425
11.35.1	Definitions	1425
11.35.2	Application of recovery of jurisdictional scheme Rules.....	1426
11.35.3	Reporting on jurisdictional schemes.....	1427
11.35.4	Revocation and substitution of distribution determination for jurisdictional scheme recovery	1428
Part ZF	Transitional Arrangements for Ministerial Smart Meter Roll Out Determinations.....	1428
11.36	Ministerial Smart Meter Roll Out Determinations	1428
11.36.1	Definitions	1428
11.36.2	Meaning of relevant metering installation	1429
11.36.3	Period of application of rule to relevant metering installation	1429
11.36.4	Designation of responsible person.....	1429
11.36.5	[Deleted]	1430
11.36.6	[Deleted]	1430
Part ZG	Provision of Metering Data Services and Clarification of Existing Metrology Requirements.....	1430
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	1430
11.37.1	Definitions	1430
11.37.2	Commencement of special site or technology related conditions	1430
11.37.3	Initial service level procedures	1430
Part ZH	Spot Market Operations Timetable	1431
11.38	Rules consequential on the making of National Electricity Amendment (Amendments to PASA-related Rules) Rule 2010.....	1431
11.38.1	Definitions	1431
11.38.2	Spot market operations timetable	1431
Part ZI	DNBP Recovery of Transmission-related Charges.....	1432

11.39	Rules consequential on the making of the National Electricity Amendment (DNSP Recovery of Transmission-related Charges) Rule 2011.....	1432
11.39.1	Definitions	1432
11.39.2	Recovery by Victorian distribution network service providers during current regulatory control period	1433
11.39.3	Recovery by Victorian distribution network service providers for shared network augmentations	1433
11.39.4	Bairnsdale network support agreement	1433
11.39.5	Approval of pricing proposal	1433
11.39.6	Ergon Energy transitional charges	1433
11.39.7	Energex transitional charges	1434
Part ZJ	Network Support and Control Ancillary Services	1434
11.40	Rules consequential on the making of the National Electricity Amendment (Network Support and Control Ancillary Services) Rule 2011.....	1434
11.40.1	Definitions	1434
11.40.2	Purpose	1434
11.40.3	Existing NCAS contracts to continue	1434
11.40.4	Amendments to existing guidelines	1435
11.40.5	New procedures	1435
11.40.6	Decisions and actions taken prior to Amending Rule.....	1435
Part ZK	Application of Dual Marginal Loss Factors	1435
11.41	Rules consequential on the making of the National Electricity Amendment (Application of Dual Marginal Loss Factors) Rule 2011.....	1435
11.41.1	Definitions	1435
11.41.2	Amendments to loss factor methodology	1436
11.41.3	Procedure applying dual intra-regional loss factors in central dispatch and spot market transactions.....	1436
11.41.4	Publication of intra-regional loss factors	1436
Part ZL	Tasmania Tranche 5a Procedure Changes.....	1436
11.42	Rules consequential on the making of the National Electricity Amendment (Tasmania Tranche 5a Procedure Changes) Rule 2011	1436
11.42.1	Definitions	1436
11.42.2	AEMO may amend Relevant Procedures	1437
Part ZM	Application and Operation of Administered Price Periods	1437
11.43	Rules consequential on the making of National Electricity Amendment (Application and Operation of Administered Price Periods) Rule 2011.....	1437
11.43.1	Definitions	1437
11.43.2	Administered Price Cap Schedule	1437
Part ZO	Negative Intra-regional Settlements Residue.....	1438
11.45	Rules consequential on the making of National Electricity Amendment (Negative Intra-regional Settlements Residue) Rule 2012	1438
11.45.1	Definitions	1438

11.45.2	Recovery of negative settlements residue prior to consultation under the Amending Rule	1438
11.45.3	First consultation on negative intra-regional settlements residue procedure	1439
Part ZP	Interim Connection Charging Rules	1439
11.46	Rules consequential to the insertion of Chapter 5A by the National Electricity (National Energy Retail Law) Amendment Rule 2012	1439
Division 1	Preliminary	1439
11.46.1	Definitions	1439
11.46.2	Extended meaning of some terms	1441
11.46.3	Transitional operation of relevant provisions	1441
Division 2	Jurisdictional differences	1442
11.46.4	Exclusions, qualifications and modifications for ACT	1442
11.46.5	Exclusions, qualifications and modifications for NSW	1443
11.46.6	Exclusions, qualifications and modifications for Queensland.....	1444
11.46.7	Exclusions, qualifications and modifications for SA	1445
11.46.8	Exclusions, qualifications and modifications for Tasmania	1446
11.46.9	Exclusions, qualifications and modifications for Victoria.....	1447
Division 3	General provisions	1449
11.46.10	Connection charges	1449
11.46.11	References.....	1449
Part ZQ	NSW transitional retail support and credit support rules	1449
11.47	Rules consequential on the insertion of Chapter 6B by the National Electricity (National Energy Retail Law) Amendment Rule 2012	1449
Division 1	Preliminary	1449
11.47.1	Definitions	1449
11.47.2	Application.....	1451
11.47.3	Obligation to pay	1451
11.47.4	Charging and billing	1452
11.47.5	Interest on unpaid amounts.....	1452
11.47.6	Circumstances where NSW DNSP may request credit support.....	1452
11.47.7	Credit support	1452
11.47.8	Credit support providers	1453
11.47.9	NSW DNSP to determine required credit support amount.....	1453
11.47.10	NSW Retailer to ensure credit support available.....	1453
11.47.11	Drawing on credit support	1454
11.47.12	Specific transitional arrangements.....	1454
Part ZR	Miscellaneous transitional rules—NERL	1454
11.48	Rules consequential on the making of the National Electricity (National Energy Retail Law) Amendment Rule 2012	1454
11.48.1	Extension of time period for AER to consider certain pass through applications	1454
Part ZS	Cost pass through arrangements for Network Service Providers.....	1455

11.49	Rules consequential on the making of National Electricity Amendment (Cost pass through arrangements for Network Service Providers) Rule 2012	1455
11.49.1	Definitions	1455
11.49.2	Terrorism event is a cost pass through event in the current regulatory control period.....	1455
11.49.3	Transitional arrangement for Powerlink	1455
11.49.4	Transitional arrangements for ElectraNet and Murraylink	1456
Part ZT	Distribution Network Planning and Expansion.....	1456
11.50	Rules consequential on the making of the National Electricity Amendment (Distribution Network Planning and Expansion) Rule 2012	1456
11.50.1	Interpretation.....	1456
11.50.2	Definitions	1456
11.50.3	Timing for first Distribution Annual Planning Report.....	1457
11.50.4	Contents of Distribution Annual Planning Report.....	1457
11.50.5	Transition from the regulatory test to the regulatory investment test for distribution.....	1458
Part ZU	New Prudential Standard and Framework in the NEM.....	1459
11.51	Rules consequential on the making of the National Electricity Amendment (New Prudential Standard and Framework in the NEM) Rule 2012	1459
11.51.1	Definitions	1459
11.51.2	AEMO's responsibility to develop and publish the credit limit procedures.....	1460
11.51.3	Transition to the framework for determining prudential settings	1460
11.51.4	Prior consultation, step, decision or action taken by AEMO.....	1460
Part ZV	Small Generation Aggregator Framework.....	1460
11.52	Rules consequential on the making of the National Electricity Amendment (Small Generation Aggregator Framework) Rule 2012	1460
11.52.1	Definitions	1460
11.52.2	Commencement of participant fees as well as transactions, funding and settlements under Chapter 3 for Market Small Generation Aggregators.	1461
11.52.3	Participant fees for Market Small Generation Aggregators.....	1461
11.52.4	Ancillary service transactions, funding of compensation for directions and intervention settlements for directions for Market Small Generation Aggregators.....	1462
11.52.5	Amendments to the carbon dioxide equivalent intensity index procedures.....	1462
11.52.6	Amendments of the metrology procedures	1463
11.52.7	Amendments to the Market Settlement and Transfer Solution Procedures.....	1463
Part ZW	Economic Regulation of Network Service Providers (2012 amendments)	1463
Division 1	Miscellaneous transitional provisions	1463

11.53	Publication of Chapter 6 Guidelines	1463
11.53.1	Shared Asset Guidelines	1463
11.53.2	Capital Expenditure Incentive Guidelines	1464
11.53.3	Rate of Return Guidelines	1464
11.53.4	Expenditure Forecast Assessment Guidelines	1464
11.53.5	Distribution Confidentiality Guidelines	1465
11.53.6	Consultation procedure paper	1465
11.54	Publication of Chapter 6A Guidelines	1465
11.54.1	Shared Asset Guidelines	1465
11.54.2	Capital Expenditure Incentive Guidelines	1465
11.54.3	Rate of Return Guidelines	1466
11.54.4	Expenditure Forecast Assessment Guidelines	1466
11.54.5	Transmission Confidentiality Guidelines	1466
11.54.6	Consultation paper procedure	1467
Division 2	Transitional provisions for NSW/ACT Distribution Network Service Providers	1467
11.55	General provisions	1467
11.55.1	Definitions	1467
11.55.2	Transitional Chapter 6.....	1468
11.55.3	Application of rule 11.56	1469
11.56	Special provisions applying to affected DNSPs	1469
11.56.1	Requirement to make distribution determination	1469
11.56.2	Transitional regulatory proposal	1469
11.56.3	Distribution determination for a transitional regulatory control period ..	1471
11.56.4	Subsequent regulatory control period	1475
11.56.5	Review of past capital expenditure	1480
Division 3	Transitional provisions for NSW and Tasmanian Transmission Network Service Providers and Directlink.....	1481
11.57	General provisions	1481
11.57.1	Definitions	1481
11.57.2	Transitional Chapter 6A.....	1482
11.57.3	Application of rule 11.58	1483
11.58	Special provisions applying to affected TNSPs	1483
11.58.1	Requirement to make transmission determination	1483
11.58.2	Requirement to submit a transitional Revenue Proposal	1483
11.58.3	Transmission determination for a transitional regulatory control period ..	1484
11.58.4	Subsequent regulatory control period	1487
11.58.5	Review of past capital expenditure	1491
Division 4	Transitional provisions for the Victorian TNSP.....	1492
11.59	Special provisions applying to the Victorian TNSP	1492
11.59.1	Definitions	1492
11.59.2	Application of rule 11.59	1492
11.59.3	Former Chapter 6A/10 applies.....	1492
11.59.4	Review of past capital expenditure	1493
Division 5	Transitional provisions for Qld/SA and Victorian Distribution Network Service Providers	1493

11.60	Special provisions applying to the Qld/SA and Victorian Distribution Network Service Providers	1493
11.60.1	Definitions	1493
11.60.2	Application of rule 11.60	1494
11.60.3	Distribution determination for next regulatory control period	1494
11.60.4	Re-opening of distribution determination for next regulatory control period	1496
11.60.5	Review of past capital expenditure	1498
Division 6	Review of past capital expenditure.....	1499
11.61	Definitions and application	1499
11.62	Review of past capital expenditure under Chapter 6	1499
11.63	Review of past capital expenditure under Chapter 6A	1499
Part ZX	Inter-regional Transmission Charging.....	1500
11.64	Rules consequent on the making of the National Electricity Amendment (Inter-regional Transmission Charging) Rule 2013	1500
11.64.1	Definitions	1500
11.64.2	Amendments to the pricing methodology guidelines	1500
11.64.3	Amendments to the pricing methodologies of Transmission Network Service Providers	1501
11.64.4	Commencement of clause 6A.23.3(f) for further adjustments	1501
Part ZY	Network Service Provider Expenditure Objectives.....	1502
11.65	Rules consequent on the making of the National Electricity Amendment (Network Service Provider Expenditure Objectives) Rule 2013	1502
11.65.1	Definitions	1502
11.65.2	Application of rule 11.65	1502
Part ZZ	Access to NMI Standing Data	1502
11.66	Rules consequent on the making of the National Electricity Amendment (Access to NMI Standing Data) Rule 2013	1502
11.66.1	Definitions	1502
11.66.2	Minor amendment of the Market Settlement and Transfer Solution Procedures.....	1502
Part ZZA	Publication of Zone Substation Data	1503
11.67	Rules consequent on the making of the National Electricity Amendment (Publication of Zone Substation Data) Rule 2014.....	1503
11.67.1	Definitions	1503
11.67.2	Distribution Network Service Providers' obligations to commence on the next DAPR date	1503
Part ZZB	Connecting Embedded Generators	1504
11.68	Rules consequential on the making of the National Electricity Amendment (Connecting embedded generators) Rule 2014	1504
11.68.1	Definitions	1504
11.68.2	Continuation of enquiries lodged.....	1504
Part ZZC	Customer access to information about their energy consumption....	1504

11.69	Rules consequential on the making of the National Electricity Amendment (Customer access to information about their energy consumption) Rule 2014	1504
11.69.1	Definitions	1504
11.69.2	AEMO to develop and publish the metering data provision procedure...	1504
Part ZZD	National Electricity Amendment (Distribution Network Pricing Arrangements) Rule 2014	1505
Division 1	Miscellaneous transitional provisions	1505
11.70	General provisions	1505
11.70.1	Definitions	1505
11.70.2	Application of Part ZZB	1506
11.71	Special provisions applying to SA TNSP	1506
Division 2	Transitional provisions for NSW/ACT and Qld/SA Distribution Network Service Providers	1507
11.72	General provisions	1507
11.72.1	Definitions	1507
11.73	Special provisions applying to affected DNSPs	1507
11.73.1	Distribution determination and pricing proposals	1507
11.73.2	Tariff structure statement	1507
11.73.3	Dispute resolution	1513
Division 3	Transitional provisions for Tasmanian Distribution Network Service Provider	1513
11.74	Application of former Chapter 6	1513
Division 4	Transitional provisions for Victorian Distribution Network Service Providers	1513
11.75	General provisions	1513
11.75.1	Definitions	1513
11.76	Special provisions applying to affected DNSPs	1514
11.76.1	Distribution determination and pricing proposals	1514
11.76.2	Tariff structure statement	1514
11.76.3	Dispute resolution	1520
Part ZZE	Early Application of Network Capability Component (STPIS)	1520
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	1520
11.77.1	Definitions	1520
11.77.2	Purpose	1521
11.77.3	Earlier application of the network capability component of the service target performance incentive scheme	1521
Part ZZF	National Electricity Amendment (Governance arrangements and implementation of the reliability standard and settings) Rule 2015	1523

11.78	Rules consequent on the making of the National Electricity Amendment (Governance arrangements and implementation of the reliability standards and settings) Rule 2015	1523
11.78.1	Definitions	1523
11.78.2	Existing power system security and reliability standards.....	1524
11.78.3	Reliability standard and settings guidelines	1524
11.78.4	Reliability standard implementation guidelines	1524
Part ZZG	Improving demand side participation information provided to AEMO by registered participants.....	1527
11.79	Rules consequential on making of the National Electricity Amendment (Improving demand side participation information provided to AEMO by registered participants) Rule 2015	1527
11.79.1	AEMO to develop and publish the demand side participation information guidelines	1527
Part ZZH	Transitional Arrangements for Aligning TasNetworks' regulatory control periods.....	1527
11.80	National Electricity Amendment (Aligning TasNetworks' regulatory control periods) Rule 2015	1527
11.80.1	Definitions	1527
11.80.2	Application of rule 11.80	1527
11.80.3	Next regulatory control period.....	1528
11.80.4	Subsequent regulatory control period	1528
Part ZZI	System Restart Ancillary Services.....	1528
11.81	Rules consequential on the making of the National Electricity Amendment (System Restart Ancillary Services) Rule 2015	1528
11.81.1	Definitions	1528
11.81.2	System restart standard	1528
11.81.3	SRAS Guideline.....	1528
11.81.4	Regional Benefit Ancillary Services Procedures	1528
11.81.5	Consultation prior to the Commencement Date	1528
11.81.6	Existing SRAS Contract	1529
Part ZZJ	Demand management incentive scheme	1529
11.82	Rules consequential on making of the National Electricity Amendment (Demand management incentive scheme) Rule 2015.....	1529
11.82.1	Definitions	1529
11.82.2	AER to develop and publish the demand management incentive scheme and demand management innovation allowance mechanism.....	1529
Part ZZK	AEMO access to demand forecasting information	1530
11.83	Rules consequential on the making of the National Electricity Amendment (AEMO access to demand forecasting information) Rule 2015	1530
11.83.1	AEMO to include supporting information in NTNDP database	1530
Part ZZL	Compensation arrangements following application of an Administered Price Cap or Administered Floor Price.....	1530

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	1530
11.84.1	Definitions	1530
11.84.2	Compensation Guidelines	1530
Part ZZM	Common definitions of distribution reliability measures	1530
11.85	Rules consequential on the making of the National Electricity Amendment (Common definitions of distribution reliability measures) Rule 2015	1530
11.85.1	Definitions	1530
11.85.2	Distribution reliability measures guidelines	1531
11.85.3	Amended STPIS.....	1531
Part ZZN	Expanding competition in metering and metering related services..	1531
11.86	Rules consequent on making of the National Electricity Amendment (Expanding competition in metering and related services) Rule 2015	1531
11.86.1	Definitions	1531
11.86.2	References to old Chapter 7.....	1531
11.86.3	References to provisions of the old Chapter 7.....	1531
11.86.4	References to responsible person.....	1532
11.86.5	Continued operation of old Rules until the effective date	1532
11.86.6	New and amended procedures	1532
11.86.7	Metering Coordinator for type 5 or 6 metering installation from effective date.....	1533
11.86.8	Distribution Ring Fencing Guidelines	1536
11.86.9	[Deleted]	1536
Part ZZO	Embedded Networks	1536
11.87	Rules consequential on the making of the National Electricity Amendment (Embedded Networks) Rule 2015.....	1536
11.87.1	Definitions	1536
11.87.2	Amended Procedures and NMI Standing Data Schedule	1536
11.87.3	ENM service level procedures and guide to embedded networks and list of Embedded Network Managers.....	1537
11.87.4	Exemptions under section 13 of the National Electricity Law	1537
Part ZZP	Meter Replacement Processes.....	1537
11.88	Rules consequential on the making of the National Electricity Amendment (Meter Replacement Processes) Rule 2016.....	1537
11.88.1	Definitions	1537
11.88.2	Amended Procedures	1537
Part ZZQ	Energy Adequacy Assessment Projection	1538
11.89	Rules consequential to the National Electricity Amendment (Energy Adequacy Assessment Projection timeframes) Rule 2016.....	1538
11.89.1	Amended guideline and timetable	1538
Part ZZR	Reliability and emergency reserve trader (2016 amendments)	1538

11.90	Rules consequent on the making of the National Electricity Amendment (Extension of the Reliability and Emergency Reserve Trader) Rule 2016	1538
11.90.1	Definitions	1538
11.90.2	Amendments to Reliability Panel's RERT Guidelines	1538
11.90.3	Amendments to AEMO's RERT procedures	1539
11.90.4	Reserve contracts entered into before Schedule 2 commencement date ..	1539
Part ZZS	Updating the electricity B2B framework.....	1539
11.91	Rules consequential on the making of the National Electricity Amendment (Updating the electricity B2B framework) rule 2016 ...	1539
11.91.1	Definitions	1539
11.91.2	B2B Procedures	1540
11.91.3	Information Exchange Committee Election Procedures and Information Exchange Committee Operating Manual.....	1540
11.91.4	The New IEC	1541
11.91.5	Amended Procedures	1542
11.91.6	B2B e-Hub Participant accreditation process	1542
11.91.7	New IEC Budget and 2016 Annual Report.....	1543
11.91.8	Cost recovery	1543
Part ZZT	Application of Offsets in the Prudential Margin Calculation.....	1544
11.92	Rules consequential on the making of the National Electricity Amendment (Application of Offsets in the Prudential Margin Calculation) Rule 2016	1544
11.92.1	Definitions	1544
11.92.2	Amended procedures	1544
Part ZZU	Rate of Return Guidelines Review	1544
11.93	Rules consequential on the making of the National Electricity Amendment (Rate of Return Guidelines Review) Rule 2016	1544
11.93.1	Definitions	1544
11.93.2	Application of current rate of return guidelines to making of a distribution determination for the subsequent regulatory control period.....	1545
Part ZZV	Demand Response Mechanism and Ancillary Services Unbundling	1546
11.94	Rules consequential on the making of the National Electricity Amendment (Demand Response Management and Ancillary Services Unbundling) rule 2016.....	1546
11.94.1	Definitions	1546
11.94.2	Participant fees for Market Ancillary Service Providers	1546
Part ZZW	Local Generation Network Credits	1546
11.95	Rules consequential on the making of the National Electricity Amendment (Local Generation Network Credits) Rule 2016	1546
11.95.1	Definitions	1546
11.95.2	System limitation template	1546
Part ZZX	Retailer-Distributor Credit Support Requirements	1547

11.96	Rules consequent on the making of the National Electricity Amendment (Retailer Distributor Credit Support Requirements) Rule 2017 No. 1.....	1547
11.96.1	Definitions	1547
11.96.2	Continued operation of old Chapter 6B.....	1547
11.96.3	Interaction with Chapter 6	1547
11.96.4	Application of new Chapter 6B	1547
Part ZZY	Emergency Frequency Control Schemes	1548
11.97	Rules consequent on the making of the National Electricity Amendment (Emergency frequency control schemes) Rule 2017	1548
11.97.1	Definitions	1548
11.97.2	Interim frequency operating standards for protected events.....	1548
11.97.3	First power system frequency risk review	1549
11.97.4	AEMO must review existing load shedding procedures.....	1549
11.97.5	Load shedding procedures	1549
Part ZZZ	Transmission Connection and Planning Arrangements.....	1550
11.98	Rules consequential on the making of the National Electricity Amendment (Transmission Connection and Planning Arrangements) Rule 2017	1550
11.98.1	Definitions	1550
11.98.2	Grandfathering of existing dedicated connection assets.....	1551
11.98.3	Preparatory steps for registration changes under the Amending Rule.....	1552
11.98.4	Participant fees for Dedicated Connection Asset Service Providers	1552
11.98.5	Existing Connection Agreements	1552
11.98.6	Connection process	1552
11.98.7	Transmission Annual Planning Report	1553
11.98.8	Preservation for adoptive jurisdictions	1553
Part ZZZA	Replacement expenditure planning arrangements.....	1553
11.99	Rules consequential on the making of the National Electricity Amendment (Replacement expenditure planning arrangements) Rule 2017	1553
11.99.1	Definitions	1553
11.99.2	Interpretation.....	1555
11.99.3	Transitional arrangements for affected DNSPs	1555
11.99.4	Amendments to RIT documentation	1555
11.99.5	Transitional arrangements relating to excluded projects	1555
11.99.6	Transitional arrangements relating to Victorian bushfire mitigation projects.....	1556
11.99.7	Transitional arrangements relating to review of costs thresholds.....	1556
Part ZZZB	Managing the rate of change of power system frequency	1556
11.100	Rules consequential on the making of the National Electricity Amendment (Managing the rate of change of power system frequency) Rule 2017	1556
11.100.1	Definitions	1556
11.100.2	Inertia sub-networks	1557
11.100.3	Inertia requirements methodology	1557
11.100.4	Inertia requirements	1558

11.100.5	NSCAS not to be used to meet an inertia shortfall after 1 July 2019.....	1558
11.100.6	Inertia network services may be used to meet an NSCAS gap declared in the NSCAS transition period	1559
11.100.7	Inertia network services made available before the commencement date.....	1559
Part ZZZC	Managing power system fault levels.....	1560
11.101	Rules consequential on the making of the National Electricity Amendment (Managing power system fault levels) Rule 2017.....	1560
11.101.1	Definitions	1560
11.101.2	System strength impact assessment guidelines.....	1561
11.101.3	System strength requirements methodology.....	1561
11.101.4	System strength requirements.....	1561
11.101.5	NSCAS not to be used to meet a fault level shortfall after 1 July 2019 ..	1562
11.101.6	System strength services may be used to meet an NSCAS gap declared in the NSCAS transition period	1563
11.101.7	Withdrawal of a system strength-related NSCAS gap already declared ..	1563
11.101.8	System strength services made available before the commencement date.....	1564
Part ZZZD	Generating System Model Guidelines.....	1564
11.102	Making of Power System Model Guidelines.....	1564
Part ZZZE	Five Minute Settlement	1564
11.103	Rules consequential on the making of the National Electricity Amendment (Five Minute Settlement) Rule 2017.....	1564
11.103.1	Definitions	1564
11.103.2	Amendments to procedures.....	1565
11.103.3.	Exemption for certain metering installations.....	1566
11.103.4	New or replacement meters	1566
11.103.5	Metering installations exempt from metering data provision requirements.....	1566
11.103.6	Exemption from meter data storage requirements.....	1566
11.103.7	Default offers and bids submitted prior to the commencement date	1566
Part ZZZF	Contestability of energy services	1567
11.104	Rules consequential on the making of the National Electricity Amendment (Contestability of energy services) Rule 2017	1567
11.104.1	Definitions	1567
11.104.2	New guidelines	1568
11.104.3	Transitional arrangements for application of Distribution Service Classification Guidelines and service classification provisions	1569
11.104.4	Transitional arrangements for application of Asset Exemption Guidelines, exemption applications and asset exemption decisions.....	1569
11.104.5	Transitional arrangements for adjustment in value of regulatory asset base	1570
Part ZZZG	Declaration of lack of reserve conditions.....	1571
11.105	Making of lack of reserve declaration guidelines	1571
11.105.1	Definitions	1571
11.105.2	Making of lack of reserve declaration guidelines.....	1571

Part ZZZH	Implementation of demand management incentive scheme	1571
11.106	Implementation of demand management incentive scheme	1571
11.106.1	Definitions	1571
11.106.2	Purpose	1571
11.106.3	Early application of revised demand management incentive scheme	1572
Part ZZZI	Reinstatement of long notice Reliability and Emergency Reserve Trader	1573
11.107	Rules consequential on the making of the National Electricity Amendment (Reinstatement of long notice Reliability and Emergency Reserve Trader) Rule 2018.....	1573
11.107.1	Definitions	1573
11.107.2	New RERT guidelines	1574
11.107.3	Amendments to RERT procedures.....	1577
11.107.4	Reserve contracts entered into before the commencement date	1577
Part ZZZJ	Register of distributed energy resources	1577
11.108	Rules consequential on the making of the National Electricity Amendment (Register of distributed energy resources) Rule 2018...	1577
11.108.1	Definitions	1577
11.108.2	AEMO to develop and publish DER register information guidelines	1578
11.108.3	NSPs to provide AEMO with existing DER generation information	1578
Part ZZZK	Generator technical performance standards	1578
11.109	Rules consequential on the making of the National Electricity Amendment (Generator technical performance standards) Rule 2018	1578
11.109.1	Definitions	1578
11.109.2	Application of the Amending Rule to existing connection enquiries	1579
11.109.3	Application of the Amending Rule to existing applications to connect...	1580
11.109.4	Application of the Amending Rule to existing offers to connect.....	1582
11.109.5	Application of the Amending Rule to Existing Connection Agreements	1582
Part ZZZL	Generator three year notice of closure.....	1583
11.110	Rules consequential on the making of the National Electricity Amendment (Generator three year notice of closure) Rule 2018.....	1583
11.110.1	Definitions	1583
11.110.2	AER to develop and publish notice of closure exemption guideline	1583
11.110.3	Application of Amending Rule to AEMO	1583
11.110.4	Application of Amending Rule to Generators	1583
Part ZZZM	Participant compensation following market suspension.....	1584
11.111	Rules consequential on the making of the National Electricity Amendment (Participant compensation following market suspension) Rule 2018	1584
11.111.1	Definitions	1584
11.111.2	Market suspension compensation methodology and schedule of benchmark values	1584
Part ZZZN	Global settlement and market reconciliation	1584

11.112	Rules consequential on the making of the National Electricity Amendment (Global settlement and market reconciliation) Rule 2018	1584
11.112.1	Definitions	1584
11.112.2	Amendments to AEMO procedures	1585
11.112.3	AEMO to publish report on unaccounted for energy trends	1585
11.112.4	Continuation of registration for non-market generators	1585
11.112.5	Publication of UFE data by AEMO	1585
11.112.6	Publication of UFE reporting guidelines	1586
Part ZZZO	Metering installation timeframes	1586
11.113	Rules consequential on making of the National Electricity Amendment (Metering installation timeframes) Rule 2018.....	1586
11.113.1	Definitions	1586
11.113.2	Timeframes for meters to be installed	1586
Part ZZZP	Early implementation of ISP priority projects.....	1587
11.114	National Electricity Amendment (Early implementation of ISP priority projects) Rule 2019	1587
11.114.1	Definitions	1587
11.114.2	Modifications to clause 5.16.6 for ISP VNI and QNI projects	1588
11.114.3	Modifications to clause 6A.8.2 for ISP projects	1589
Part ZZZQ	Enhancement to the Reliability and Emergency Reserve Trader	1591
11.115	Rules consequential on the making of the National Electricity Amendment (Enhancement to the reliability and emergency reserve trader) Rule 2019	1591
11.115.1	Definitions	1591
11.115.2	New RERT guidelines	1592
11.115.3	Amendments to RERT procedures.....	1592
11.115.4	Reserve contracts entered into before the commencement date	1592
11.115.5	Clause 3.20.6 (Reporting on RERT by AEMO)	1592
Part ZZZR	Retailer Reliability Obligation.....	1592
11.116	Rules consequential on the making of the National Electricity Amendment (Retailer Reliability Obligation) Rule 2019.....	1592
11.116.1	Application.....	1592
11.116.2	Reliability Instrument Guidelines.....	1593
11.116.3	Forecasting Best Practice Guidelines	1593
11.116.4	Reliability Forecast Guidelines.....	1593
11.116.5	AER Opt-in Guidelines.....	1594
11.116.6	Contracts and Firmness Guidelines	1594
11.116.7	Qualifying contracts under interim Contracts and Firmness Guidelines	1594
11.116.8	Grandfathering arrangements	1595
11.116.9	Reliability Compliance Procedures and Guidelines	1596
11.116.10	MLO Guidelines	1596
11.116.11	Application of Part G, Divisions 2 – 6 (inclusive).....	1596
11.116.12	Interim deeming of MLO generators and MLO groups	1597
11.116.13	MLO information template.....	1603
11.116.14	Initial MLO register.....	1604
11.116.15	Approved MLO products list	1604

11.116.16	Designated MLO exchange	1604
11.116.17	Five minute settlement intervals	1604
11.116.18	Review by AEMC	1604