

National Electricity Rules Version 80

Historical Information

This version of the National Electricity Rules was current from 26 May 2016 to 22 June 2016.

National Electricity Rules Version 80

Status Information

This is the latest electronically available version of the National Electricity Rules as at 26 May 2016.

This consolidated version of the National Electricity Rules was last updated on 26 May 2016 as a result of the commencement of the following amendments:

National Electricity Amendment (Registration of proponents of new types of generation) Rule 2016 No. 4

Schedule 2 of the National Electricity Amendment (Energy Adequacy Assessment Projection timeframes) Rule 2016 No. 3

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 (**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.

The NECF related Rule does not apply in Victoria, 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

Subject to the above, all provisions displayed in this consolidated version of the Rules have commenced.

Schedule 2 of the National Electricity Amendment (Minor Changes) Rule 2012 No. 3 commences operation on 1 July 2016.

Schedule 1 of the National Electricity Amendment (Bidding in Good Faith) Rule 2015 No. 13 commences operation on 1 July 2016.

Schedule 1 of the National Electricity Amendment (Generator ramp rates and dispatch inflexibility in bidding) Rule 2015 No. 2 commences operation on 1 July 2016.

Schedules 2 and 3 of the National Electricity Amendment (Expiry of Reliability and Emergency Reserve Trader) Rule 2012 No. 1 will commence operation on 1 July 2016.

Schedule 1 of the National Electricity Amendment (Compensation Arrangements following application of an Administered Price Cap and Administered Floor Price) Rule 2016 No. 1 will commence operation on 29 September 2016.

Schedule 1 of the National Electricity Amendment (Energy Adequacy Assessment Projection timeframes) Rule 2016 No. 3 will commence operation on 1 November 2016.

Schedules 1, 2 and 3 of the National Electricity Amendment (Demand management incentive scheme) Rule 2015 No. 8 will commence operation on 1 December 2016.

Schedule 1 of the National Electricity Amendment (Embedded Networks) Rule 2015 No. 15 will commence operation on 1 December 2016.

Schedule 2 of the National Electricity Amendment (Distribution Network Pricing Arrangements) Rule 2014 No. 9 commences operation on 1 January 2017.

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

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

Schedule 1 of the National Electricity Amendment (Compensation arrangements following application of an administered price cap and administered floor price) Rule 2016 No. 1 will commence operation on 1 December 2017.

Schedules 2, 4 and 5 of the National Electricity Amendment (Embedded Networks) Rule 2015 No. 15 will commence operation on 1 December 2017.

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

TABLE OF CONTENTS

1.	Introduction.....	3
1.1	Preliminary	3
1.1.1	References to the Rules.....	3
1.1.2	Italicised expressions	3
1.1.3	[Deleted].....	3
1.2	Background	3
1.3	Nomenclature of and references to provisions of a Chapter.....	3
1.3.1	Introduction.....	3
1.3.2	Parts, Divisions and Subdivisions	3
1.3.3	Rules, clauses, paragraphs, subparagraphs and other items	4
1.4	Effect of renumbering of provisions of the Rules	5
1.5	[Deleted]	5
1.6	[Deleted]	5
1.7	Interpretation	5
1.7.1	General	5
1.8	Notices	6
1.8.1	Service of notices under the Rules	6
1.8.2	Time of service	7
1.8.3	Counting of days	7
1.8.4	Reference to addressee	7
1.9	Retention of Records and Documents	8
1.10	[Deleted]	8
1.11	AEMO Rule Funds	8
2.	Registered Participants and Registration.....	13
2.1	Registered Participants.....	13
2.1.1	Purpose	13
2.1.2	General	13
2.2	Generator	13
2.2.1	Registration as a Generator	13
2.2.2	Scheduled Generator	14
2.2.3	Non-Scheduled Generator.....	15
2.2.4	Market Generator	16
2.2.5	Non-Market Generator	17
2.2.6	Ancillary services generating unit.....	17
2.2.7	Semi-Scheduled Generator	19
2.3	Customer.....	21
2.3.1	Registration as a Customer	21
2.3.2	First-Tier Customer.....	21
2.3.3	Second-Tier Customer	22

2.3.4	Market Customer.....	22
2.3.5	Ancillary services load.....	23
2.3A	Small Generation Aggregator.....	25
2.3A.1	Registration.....	25
2.4	Market Participant	26
2.4.1	Registration as a category of Market Participant.....	26
2.4.2	Eligibility	26
2.4A	Metering Coordinator.....	27
2.4A.1	Registration as a Metering Coordinator	27
2.4A.2	Eligibility	27
2.5	Network Service Provider	28
2.5.1	Registration as a Network Service Provider	28
2.5.2	Market Network Service	29
2.5.3	Scheduled Network Service	30
2.5A	Trader	31
2.5B	Reallocator.....	32
2.6	Special Participant	33
2.7	Intention to Commence Activities or Functions	33
2.8	Registered Participant Rights and Obligations	34
2.8.1	Rights and obligations.....	34
2.9	Application to be Registered as a Registered Participant	34
2.9.1	Applications for Registration.....	34
2.9.2	Registration as a Registered Participant.....	34
2.9.3	Registration as an Intermediary	35
2.9A	Transfer of Registration	36
2.9A.1	Definitions.....	36
2.9A.2	Applications for Transfer of Registration	37
2.9A.3	Approval for Transfer of Registration	37
2.10	Ceasing to be a Registered Participant	38
2.10.1	Notification of intention.....	38
2.10.2	Ceasing Participation	40
2.10.3	Liability after cessation.....	40
2.11	Participant Fees.....	40
2.11.1	Development of Participant fee structure	40
2.11.2	Payment of Participant fees.....	43
2.11.3	Budgeted revenue requirements.....	43
2.12	Interpretation of References to Various Registered Participants	45
2A.	Regional Structure.....	49
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	51
2A.2.5	Alternative congestion management options	51
2A.2.6	Previous application relating to congestion problem.....	52
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.....	54
2A.4	First round consultation on region change application.....	55
2A.4.1	Notice of first round consultation	55
2A.4.2	Right to make written submissions during first round consultation period	55
2A.4.3	Alternative region solution put forward by third parties	55
2A.4.4	Acceptance as a formal alternative region solution by AEMC	56
2A.5	Provision of supplementary economic analysis	57
2A.5.1	AEMC may direct provision of supplementary analysis	57
2A.5.2	AEMC may direct AEMO to provide information	57
2A.6	Region determinations	58
2A.6.1	AEMC powers to make a region determination	58
2A.6.2	Matters for consideration in making region determination.....	58
2A.7	Draft region determination and second round consultation	59
2A.7.1	Publishing of draft region determination	59
2A.7.2	Second round consultation.....	59
2A.7.3	Right to make written submissions during second round consultation	60
2A.8	Final region determination.....	60
2A.8.1	Final determination for region change	60
2A.8.2	Formal publication of region determination	60
2A.9	Miscellaneous matters for region change process.....	60
2A.9.1	AEMC may extend periods of time specified in Chapter 2A	60
2A.9.2	Consultation meeting in relation to region change application	61
Part B	Implementation of region determination	61
2A.10	Purpose and application of Part B	61
2A.10.1	Purpose of Part B	61
2A.10.2	Application of Part B	62
2A.11	Region Change Implementation Procedure	62
2A.11.1	Submission of draft Region Change Implementation Procedure	62
2A.11.2	Approved Region Change Implementation Procedure	62

2A.12	AEMO region change implementation functions.....	63
2A.12.1	General implementation functions	63
2A.12.2	Implementation functions referable to published implementation procedure.....	63
2A.12.3	Amendment of current or subsequent Regions and Loss Factors Publication	63
2A.13	Continuity of regions	63
Schedule 2A.1	Glossary for Chapter 2A	64
3.	Market Rules	69
3.1	Introduction to Market Rules	69
3.1.1	Purpose.....	69
3.1.1A	Definitions.....	69
3.1.2	[Deleted].....	70
3.1.3	[Deleted].....	70
3.1.4	Market design principles	70
3.1.5	Time for undertaking action.....	71
3.2	AEMO's Market Responsibilities	71
3.2.1	Market functions of AEMO	71
3.2.2	Spot market	72
3.2.3	Power system operations.....	72
3.2.4	Non-market ancillary services function	72
3.2.5	[Deleted].....	73
3.2.6	Settlements	73
3.3	Prudential Requirements	73
3.3.1	Market Participant criteria	73
3.3.2	Credit support.....	73
3.3.3	Acceptable credit criteria	74
3.3.4	Acceptable credit rating	75
3.3.4A	Prudential standard.....	75
3.3.5	Amount of credit support	75
3.3.6	Changes to credit support.....	75
3.3.7	Drawings on credit support	76
3.3.8	Credit limit procedures and prudential settings	77
3.3.8A	Security Deposits	79
3.3.9	Outstandings.....	79
3.3.10	Trading limit	80
3.3.11	Call notices.....	80
3.3.12	Typical accrual.....	81
3.3.13	Response to Call Notices	81
3.3.13A	Application of monies in the security deposit fund	82
3.3.14	Potential value of a transaction	83
3.3.15	Trading margin.....	84
3.3.16	Limitation on entry of transactions	84
3.3.17	Scheduled prices	84
3.3.18	Additional credit support	85
3.3.19	Consideration of other Market Participant transactions	85

3.4	Spot Market	86
3.4.1	Establishment of spot market	86
3.4.2	Trading day and trading interval.....	86
3.4.3	Spot market operations timetable	86
3.5	Regions	87
3.5.1	[Deleted].....	87
3.5.2	[Deleted].....	87
3.5.3	[Deleted].....	87
3.5.4	[Deleted].....	87
3.5.5	[Deleted].....	87
3.5.6	Abolition of Snowy region.....	87
3.6	Network Losses and Constraints	88
3.6.1	Inter-regional losses	88
3.6.2	Intra-regional losses	89
3.6.2A	Load and generation data used to determine inter-regional loss factor equations and intra-regional loss factors	93
3.6.3	Distribution losses.....	95
3.6.4	Network constraints	99
3.6.5	Settlements residue due to network losses and constraints.....	100
3.7	Projected Assessment of System Adequacy	102
3.7.1	Administration of PASA	102
3.7.2	Medium term PASA	103
3.7.3	Short term PASA	105
3.7A	Congestion information resource	108
3.7B	Unconstrained intermittent generation forecast	111
3.7C	Energy Adequacy Assessment Projection.....	112
3.7D	Demand side participation information.....	115
3.8	Central Dispatch and Spot Market Operation.....	117
3.8.1	Central Dispatch.....	117
3.8.2	Participation in central dispatch.....	119
3.8.3	Bid and offer aggregation guidelines	120
3.8.3A	Ramp rates.....	122
3.8.4	Notification of scheduled capacity.....	125
3.8.5	Submission timing	126
3.8.6	Generating unit offers for dispatch	126
3.8.6A	Scheduled network service offers for dispatch	128
3.8.7	Bids for scheduled load.....	130
3.8.7A	Market ancillary services offers	132
3.8.8	Validation of dispatch bids and offers	133
3.8.9	Default offers and bids	134
3.8.10	Network constraints	135
3.8.11	Ancillary services constraints	136
3.8.12	System scheduled reserve constraints	137
3.8.13	Notification of constraints.....	137
3.8.14	Dispatch under conditions of supply scarcity	137
3.8.15	[Deleted].....	138
3.8.16	Equal priced dispatch bids and dispatch offers	138

3.8.17	Self-commitment.....	138
3.8.18	Self-decommitment.....	139
3.8.19	Dispatch inflexibilities.....	139
3.8.20	Pre-dispatch schedule.....	142
3.8.21	On-line dispatch process.....	144
3.8.22	Rebidding.....	145
3.8.22A	Variation of offer, bid or rebid.....	147
3.8.23	Failure to conform to dispatch instructions.....	147
3.8.24	Scheduling errors.....	150
3.9	Price Determination.....	150
3.9.1	Principles applicable to spot price determination.....	150
3.9.2	Determination of spot prices.....	152
3.9.2A	Determination of ancillary services prices.....	153
3.9.2B	Pricing where AEMO determines a manifestly incorrect input.....	154
3.9.3	Pricing in the event of intervention by AEMO.....	155
3.9.3A	Reliability standard and settings review.....	156
3.9.3B	Reliability standard and settings review report.....	158
3.9.3C	Reliability standard.....	158
3.9.3D	Implementation of the reliability standard.....	159
3.9.4	Market Price Cap.....	160
3.9.5	Application of the Market Price Cap.....	161
3.9.6	Market Floor Price.....	161
3.9.6A	Application of the Market Floor Price.....	162
3.9.7	Pricing for constrained-on scheduled generating units.....	162
3.10	[Deleted].....	163
3.11	Ancillary Services.....	163
3.11.1	Introduction.....	163
3.11.2	Market ancillary services.....	164
3.11.3	Acquisition of Network Support and Control Ancillary Service.....	165
3.11.4	Guidelines and objectives for acquisition of network support and control ancillary services.....	165
3.11.5	Tender process for network support and control ancillary services.....	166
3.11.6	Dispatch of network support and control ancillary services by AEMO.....	168
3.11.7	Guidelines and objectives for acquisition of system restart ancillary services by AEMO.....	169
3.11.8	Determination of electrical sub-network boundaries.....	170
3.11.9	Acquisition of system restart ancillary services by AEMO.....	171
3.11.10	Reporting.....	172
3.12	Market Intervention by AEMO.....	172
3.12.1	Intervention settlement timetable.....	172
3.12.2	Affected Participants and Market Customers entitlements to compensation in relation to AEMO intervention.....	173
3.12.3	Role of the Independent Expert in calculating payments in relation to intervention by AEMO.....	178
3.12A	Mandatory restrictions.....	180
3.12A.1	Restriction offers.....	180
3.12A.2	Mandatory restrictions schedule.....	182

3.12A.3	Acquisition of capacity	182
3.12A.4	Rebid of capacity under restriction offers	183
3.12A.5	Dispatch of restriction offers	183
3.12A.6	Pricing during a restriction price trading interval	184
3.12A.7	Determination of funding restriction shortfalls	184
3.12A.8	Cancellation of a mandatory restriction period	189
3.12A.9	Review by AEMC	189
3.13	Market Information	190
3.13.1	Provision of information	190
3.13.2	Systems and procedures	190
3.13.3	Standing data	192
3.13.4	Spot market	198
3.13.4A	Market ancillary services	203
3.13.5	Ancillary services contracting by AEMO	203
3.13.5A	Settlements residue auctions	204
3.13.6	[Deleted]	204
3.13.6A	Report by AEMO	204
3.13.7	Monitoring of significant variation between forecast and actual prices by AER	205
3.13.8	Public information	206
3.13.9	[Deleted]	207
3.13.10	Market auditor	207
3.13.11	[Deleted]	208
3.13.12	NMI Standing Data	208
3.13.12A	NMI Standing Data Schedule	212
3.13.13	Inter-network tests	212
3.13.14	Carbon Dioxide Equivalent Intensity Index	213
3.14	Administered Price Cap and Market Suspension	216
3.14.1	Cumulative Price Threshold and Administered Price Cap	216
3.14.2	Application of Administered Price Cap	217
3.14.3	Conditions for suspension of the spot market	219
3.14.4	Declaration of market suspension	220
3.14.5	Pricing during market suspension	221
3.14.6	Compensation due to the application of an administered price, market price cap or market floor price	224
3.15	Settlements	227
3.15.1	Settlements management by AEMO	227
3.15.2	Electronic funds transfer	227
3.15.3	Connection point and virtual transmission node responsibility	228
3.15.4	Adjusted energy amounts connection points	228
3.15.5	Adjusted energy - transmission network connection points	228
3.15.5A	Adjusted energy – virtual transmission nodes	229
3.15.6	Spot market transactions	229
3.15.6A	Ancillary service transactions	230
3.15.7	Payment to Directed Participants	243
3.15.7A	Payment to Directed Participants for services other than energy and market ancillary services	245
3.15.7B	Claim for additional compensation by Directed Participants	248
3.15.8	Funding of Compensation for directions	250

3.15.9	Reserve settlements.....	255
3.15.10	Administered price, market price cap or market floor price compensation payments	256
3.15.10A	Goods and services tax.....	257
3.15.10B	Restriction contract amounts.....	258
3.15.10C	Intervention Settlements	260
3.15.11	Reallocation transactions	263
3.15.11A	Reallocation procedures	265
3.15.12	Settlement amount.....	265
3.15.13	Payment of settlement amount	266
3.15.14	Preliminary statements	266
3.15.15	Final statements.....	266
3.15.15A	Use of estimated settlement amounts by AEMO	267
3.15.16	Payment by market participants	267
3.15.17	Payment to market participants.....	267
3.15.18	Disputes.....	267
3.15.19	Revised Statements and Adjustments	268
3.15.20	Payment of adjustments	270
3.15.21	Default procedure.....	271
3.15.22	Maximum total payment in respect of a billing period	273
3.15.23	Maximum total payment in respect of a financial year.....	275
3.15.24	Compensation for reductions under clause 3.15.23	276
3.15.25	Interest on overdue amounts	276
3.16	Participant compensation fund.....	277
3.16.1	Establishment of Participant compensation fund.....	277
3.16.2	Dispute resolution panel to determine compensation	278
3.17	[Deleted]	279
3.18	Settlements Residue Auctions	279
3.18.1	Settlements residue concepts	279
3.18.2	Auctions and eligible persons	280
3.18.3	Auction rules	281
3.18.4	Proceeds and fees	282
3.18.5	Settlement residue committee	283
3.19	Market Management Systems Access Procedures.....	285
3.20	Reliability and Emergency Reserve Trader	286
3.20.1	Expiry of reliability and emergency reserve trader.....	286
3.20.2	Reliability and emergency reserve trader.....	286
3.20.3	Reserve contracts	286
3.20.4	Dispatch pricing methodology for unscheduled reserve contracts	288
3.20.5	AEMO's risk management and accounts relating to the reliability safety net	288
3.20.6	Reporting on RERT by AEMO.....	288
3.20.7	AEMO's exercise of the RERT	289
3.20.8	RERT Guidelines	290
3.20.9	[Deleted]	291
Schedule 3.1	Bid and Offer Validation Data.....	291
	Scheduled Generating Unit Data:.....	292
	Semi-Scheduled Generating Unit Data:	292

Scheduled Load Data:	293
Scheduled Network Service Data:.....	294
Ancillary Service Generating Unit and Ancillary Service Load Data:	294
Dispatch Inflexibility Profile:.....	294
Aggregation Data:	295
Schedule 3.2 [Deleted]	295
Schedule 3.3 [Deleted]	295
 4. Power System Security	 299
4.1 Introduction	299
4.1.1 Purpose	299
4.2 Definitions and Principles	299
4.2.1 [Deleted].....	299
4.2.2 Satisfactory Operating State	299
4.2.3 Credible and non-credible contingency events	300
4.2.3A Re-classifying contingency events.....	301
4.2.3B Criteria for re-classifying contingency events	303
4.2.4 Secure operating state and power system security.....	303
4.2.5 Technical envelope	303
4.2.6 General principles for maintaining power system security.....	304
4.2.7 Reliable Operating State	305
4.2.8 Time for undertaking action.....	305
4.3 Power System Security Responsibilities and Obligations	305
4.3.1 Responsibility of AEMO for power system security	305
4.3.2 System security	308
4.3.3 The role of System Operators	310
4.3.4 Network Service Providers	312
4.3.5 Market Customer obligations.....	314
4.4 Power System Frequency Control	315
4.4.1 Power system frequency control responsibilities	315
4.4.2 Operational frequency control requirements.....	315
4.4.3 Generator protection requirements.....	316
4.5 Control of Power System Voltage.....	316
4.5.1 Power system voltage control	316
4.5.2 Reactive power reserve requirements	317
4.5.3 Audit and testing	317
4.6 Protection of Power System Equipment	318
4.6.1 Power system fault levels.....	318
4.6.2 Power system protection co-ordination	318
4.6.3 Audit and testing	318
4.6.4 Short-term thermal ratings of power system.....	318
4.6.5 Partial outage of power protection systems	318
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	320
4.8.1	Registered Participants' advice	320
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	321
4.8.5	Managing declarations of conditions	321
4.8.5A	Determination of the latest time for AEMO intervention	322
4.8.5B	Notifications of last time of AEMO intervention	323
4.8.6	[Deleted]	323
4.8.7	Managing a power system contingency event	323
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	326
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	335
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	337
4.9.5	Form of dispatch instructions	337
4.9.6	Commitment of scheduled generating units	338
4.9.7	De-commitment, or output reduction, by Scheduled Generators	339
4.9.8	General responsibilities of Registered Participants	340
4.9.9	Scheduled Generator plant changes	341
4.9.9A	Scheduled Network Service Provider plant changes	341
4.9.9B	Ancillary service plant changes	342
4.10	Power System Operating Procedures	342
4.10.1	Power system operating procedures	342
4.10.2	Transmission network operations	343
4.10.3	Operating interaction with distribution networks	344
4.10.4	Switching of a Distributor's high voltage networks	344
4.10.5	Switching of reactive power facilities	344
4.10.6	Automatic reclose	345
4.10.7	Inspection of facilities by AEMO	345
4.11	Power System Security Support	345
4.11.1	Remote control and monitoring devices	345
4.11.2	Operational control and indication communication facilities	347

4.11.3	Power system voice/data operational communication facilities	347
4.11.4	Records of power system operational communication	349
4.11.5	Agent communications	350
4.12	Nomenclature Standards	351
4.13	[Deleted]	352
4.14	Acceptance of Performance Standards	352
4.15	Compliance with Performance Standards	353
4.16	Transitioning arrangements for establishment of performance standards	357
4.16.1	Definitions	357
4.16.2	Exclusions	359
4.16.3	Notification and acceptance of performance standards	360
4.16.4	Actual capability	365
4.16.5	Criteria for, and negotiation of, performance standards	366
4.16.6	Consultation with and assistance by Network Service Providers	368
4.16.7	Referral to expert determination	369
4.16.8	Prior actions	370
4.16.9	Deemed performance standards	370
4.16.10	Modification of connection agreements	370
4.17	Expert determination.....	371
4.17.1	Performance standards committee and appointment of performance standards experts	371
4.17.2	Referral to performance standards expert	372
4.17.3	Determinations of performance standards experts	373
4.17.4	Other matters.....	374
5.	Network Connection, Planning and Expansion.....	377
Part A	Network Connection	377
5.1	Statement of Purpose	377
5.1.1	[Deleted].....	377
5.1.2	Purpose and Application	377
5.1.3	Principles.....	379
5.2	Obligations	380
5.2.1	Obligations of Registered Participants	380
5.2.2	Connection agreements	380
5.2.3	Obligations of network service providers	381
5.2.4	Obligations of customers	385
5.2.5	Obligations of Generators	386
5.2.6	Obligations of AEMO	387
5.3	Establishing or Modifying Connection	387
5.3.1	Process and procedures	387
5.3.1A	Application of rule to connection of embedded generating units	388
5.3.2	Connection enquiry	388
5.3.3	Response to connection enquiry	389
5.3.4	Application for connection.....	392

5.3.4A	Negotiated access standards.....	393
5.3.5	Preparation of offer to connect.....	395
5.3.6	Offer to connect	396
5.3.7	Finalisation of connection agreements.....	400
5.3.7A	Application for connection to declared shared network	401
5.3.8	Provision and use of information.....	402
5.3.9	Procedure to be followed by a Generator proposing to alter a generating system.....	403
5.3.10	Acceptance of performance standards for generating plant that is altered.....	405
5.3.11	Notification of request to change normal voltage	405
5.3A	Establishing or modifying connection - embedded generation.....	406
5.3A.1	Application of rule 5.3A	406
5.3A.2	Definitions and miscellaneous	406
5.3A.3	Publication of Information.....	407
5.3A.4	Fees	409
5.3A.5	Enquiry.....	410
5.3A.6	Response to Enquiry	411
5.3A.7	Preliminary Response to Enquiry	411
5.3A.8	Detailed Response to Enquiry.....	412
5.3A.9	Application for connection.....	413
5.3A.10	Preparation of offer to connect.....	414
5.3A.11	Technical Dispute	415
5.4	Design of Connected Equipment	415
5.4.1	Application.....	415
5.4.2	Advice of inconsistencies.....	415
5.4.3	Additional information.....	416
5.4.4	Advice on possible non-compliance	416
5.4.5	Register of completed embedded generation projects	416
5.4A	Access arrangements relating to Transmission Networks	417
5.4AA	Network support payments and functions.....	420
5.5	Access arrangements relating to Distribution Networks	420
5.5A	[Deleted].....	424
5.6	[Deleted].....	424
5.6A	[Deleted].....	424
5.7	Inspection and Testing.....	424
5.7.1	Right of entry and inspection.....	424
5.7.2	Right of testing.....	426
5.7.3	Tests to demonstrate compliance with connection requirements for generators.....	428
5.7.4	Routine testing of protection equipment.....	429
5.7.5	Testing by Registered Participants of their own plant requiring changes to normal operation	431
5.7.6	Tests of generating units requiring changes to normal operation	433
5.7.7	Inter-network power system tests	434
5.8	Commissioning	441

5.8.1	Requirement to inspect and test equipment	441
5.8.2	Co-ordination during commissioning	442
5.8.3	Control and protection settings for equipment.....	442
5.8.4	Commissioning program.....	443
5.8.5	Commissioning tests	444
5.9	Disconnection and Reconnection	445
5.9.1	Voluntary disconnection	445
5.9.2	Decommissioning procedures	445
5.9.3	Involuntary disconnection.....	446
5.9.4	Direction to disconnect	446
5.9.4A	Notification of disconnection.....	447
5.9.5	Disconnection during an emergency.....	447
5.9.6	Obligation to reconnect	448
Part B	Network Planning and Expansion.....	449
5.10	Network development generally	449
5.10.1	Content of Part B.....	449
5.10.2	Definitions.....	449
5.10.3	Interpretation.....	454
5.11	Forecasts of connection to transmission network and identification of system limitations	454
5.11.1	Forecasts for connection to transmission network	454
5.11.2	Identification of network limitations	454
5.12	Transmission annual planning process.....	455
5.12.1	Transmission annual planning review	455
5.12.2	Transmission Annual Planning Report	456
5.13	Distribution annual planning process	458
5.13.1	Distribution annual planning review.....	458
5.13.2	Distribution Annual Planning Report	460
5.13A	Distribution zone substation information.....	460
5.14	Joint planning	463
5.14.1	Joint planning obligations of Transmission Network Service Providers and Distribution Network Service Providers	463
5.14.2	Joint planning obligations of Distribution Network Service Providers and Distribution Network Service Providers	465
5.15	Regulatory investment tests generally	465
5.15.1	Interested parties	465
5.15.2	Identification of a credible option.....	465
5.15.3	Review of costs thresholds.....	466
5.15.4	Costs determinations	469
5.16	Regulatory investment test for trans mission.....	469
5.16.1	Principles.....	469
5.16.2	Regulatory investment test for transmission application guidelines.....	472
5.16.3	Investments subject to the regulatory investment test for transmission	473
5.16.4	Regulatory investment test for transmission procedures	475

5.16.5	Disputes in relation to application of regulatory investment test for transmission	481
5.16.6	Determination that preferred option satisfies the regulatory investment test for transmission.....	483
5.17	Regulatory investment test for distribution	484
5.17.1	Principles.....	484
5.17.2	Regulatory investment test for distribution application guidelines	486
5.17.3	Projects subject to the regulatory investment test for distribution.....	488
5.17.4	Regulatory investment test for distribution procedures	489
5.17.5	Disputes in relation to application of regulatory investment test for distribution	495
5.18	Construction of funded augmentations	497
5.19	SENE Design and Costing Study	497
5.19.1	Definitions.....	497
5.19.2	Interpretation.....	498
5.19.3	Request for SENE Design and Costing Study	498
5.19.4	Content of SENE Design and Costing Study.....	500
5.19.5	Co-operation of other Network Service Providers	501
5.19.6	Publication of SENE Design and Costing Study report.....	501
5.19.7	Provision and use of information	501
5.20	National transmission planning	502
5.20.1	Preliminary consultation	502
5.20.2	Publication of NTNDP.....	503
5.20.3	Development strategies for national transmission flow paths	505
5.20.4	NTNDP database.....	506
5.20.5	Jurisdictional planning bodies and jurisdictional planning representatives.....	507
5.20.6	NTP Functions	507
5.21	AEMO's obligation to publish information and guidelines and provide advice.....	507
5.22	Last resort planning power	509
Schedule 5.1a	System standards	512
S5.1a.1	Purpose.....	512
S5.1a.2	Frequency.....	513
S5.1a.3	System stability	513
S5.1a.4	Power frequency voltage.....	513
S5.1a.5	Voltage fluctuations	514
S5.1a.6	Voltage waveform distortion	515
S5.1a.7	Voltage unbalance.....	515
S5.1a.8	Fault clearance times.....	516
Schedule 5.1	Network Performance Requirements to be Provided or Co-ordinated by Network Service Providers	517
S5.1.1	Introduction.....	517
S5.1.2	Network reliability	518
S5.1.2.1	Credible contingency events	518
S5.1.2.2	Network service within a region	519

S5.1.2.3	Network service between regions	520
S5.1.3	Frequency variations	521
S5.1.4	Magnitude of power frequency voltage	521
S5.1.5	Voltage fluctuations	522
S5.1.6	Voltage harmonic or voltage notching distortion	523
S5.1.7	Voltage unbalance.....	524
S5.1.8	Stability	525
S5.1.9	Protection systems and fault clearance times.....	526
S5.1.10	Load and network control facilities	530
S5.1.10.1	General.....	530
S5.1.10.2	Distribution Network Service Providers.....	530
S5.1.10.3	Transmission Network Service Providers.....	531
S5.1.11	Automatic reclosure of transmission or distribution lines	531
S5.1.12	Rating of transmission lines and equipment	531
S5.1.13	Information to be provided	532
Schedule 5.2	Conditions for Connection of Generators.....	532
S5.2.1	Outline of requirements	532
S5.2.2	Application of Settings	533
S5.2.3	Technical matters to be coordinated	534
S5.2.4	Provision of information	535
S5.2.5	Technical requirements	537
S5.2.5.1	Reactive power capability.....	537
S5.2.5.2	Quality of electricity generated.....	539
S5.2.5.3	Generating unit response to frequency disturbances.....	540
S5.2.5.4	Generating system response to voltage disturbances	543
S5.2.5.5	Generating system response to disturbances following contingency events	545
S5.2.5.6	Quality of electricity generated and continuous uninterrupted operation.....	548
S5.2.5.7	Partial load rejection	548
S5.2.5.8	Protection of generating systems from power system disturbances	549
S5.2.5.9	Protection systems that impact on power system security	551
S5.2.5.10	Protection to trip plant for unstable operation	552
S5.2.5.11	Frequency control	553
S5.2.5.12	Impact on network capability.....	556
S5.2.5.13	Voltage and reactive power control	557
S5.2.5.14	Active power control.....	563
S5.2.6	Monitoring and control requirements	565
S5.2.6.1	Remote Monitoring	565
S5.2.6.2	Communications equipment	567
S5.2.7	Power station auxiliary supplies	568
S5.2.8	Fault current	568
Schedule 5.3	Conditions for Connection of Customers	570
S5.3.1a	Introduction to the schedule	570
S5.3.1	Information.....	571
S5.3.2	Design standards	572
S5.3.3	Protection systems and settings	572
S5.3.4	Settings of protection and control systems	573
S5.3.5	Power factor requirements	574

S5.3.6	Balancing of load currents	575
S5.3.7	Voltage fluctuations	576
S5.3.8	Harmonics and voltage notching.....	576
S5.3.9	Design requirements for Network Users' substations	577
S5.3.10	Load shedding facilities	577
Schedule 5.3a	Conditions for connection of Market Network Services	578
S5.3a.1a	Introduction to the schedule	578
S5.3a.1	Provision of Information.....	579
S5.3a.2	Application of settings	580
S5.3a.3	Technical matters to be co-ordinated	581
S5.3a.4	Monitoring and control requirements	581
S5.3a.4.1	Remote Monitoring	581
S5.3a.4.2	[Deleted].....	582
S5.3a.4.3	Communications equipment	582
S5.3a.5	Design standards	583
S5.3a.6	Protection systems and settings	583
S5.3a.7	[Deleted].....	585
S5.3a.8	Reactive power capability	585
S5.3a.9	Balancing of load currents	585
S5.3a.10	Voltage fluctuations	586
S5.3a.11	Harmonics and voltage notching.....	586
S5.3a.12	Design requirements for Market Network Service Providers' substations	587
S5.3a.13	Market network service response to disturbances in the power system.....	587
S5.3a.14	Protection of market network services from power system disturbances.....	588
Schedule 5.4	Information to be Provided with Preliminary Enquiry	589
Schedule 5.4A	Preliminary Response.....	589
Schedule 5.4B	Detailed Response to Enquiry	592
Schedule 5.5	Technical Details to Support Application for Connection and Connection Agreement	594
S5.5.1	Introduction to the schedule	594
S5.5.2	Categories of data.....	594
S5.5.3	Review, change and supply of data.....	595
S5.5.4	Data Requirements	595
S5.5.5	Asynchronous generating unit data.....	596
S5.5.6	Generating units equal to or smaller than 30MW data	596
S5.5.7	Generating System Design Data Sheet, Generating System Setting Data Sheet and Generating System Model Guidelines	596
Schedule 5.5.1	[Deleted].....	598
Schedule 5.5.2	[Deleted].....	598
Schedule 5.5.3	Network and plant technical data of equipment at or near connection point.....	598
Schedule 5.5.4	Network Plant and Apparatus Setting Data	601
Schedule 5.5.5	Load Characteristics at Connection Point	603
Schedule 5.6	Terms and Conditions of Connection agreements	604

Schedule 5.7	Annual Forecast Information for Planning Purposes	605
Schedule 5.8	Distribution Annual Planning Report.....	607
Schedule 5.9	Demand side engagement document (clause 5.13.1(h))	613
Chapter 5A	Electricity connection for retail customers	617
Part A	Preliminary	617
5A.A.1	Definitions	617
5A.A.2	Application of this Chapter	620
5A.A.3	Small Generation Aggregator deemed to be agent of a retail customer	621
Part B	Standardised offers to provide basic and standard connection services	621
Division 1	Basic connection services.....	621
5A.B.1	Obligation to have model standing offer to provide basic connection services	621
5A.B.2	Proposed model standing offer for basic connection services	622
Division 2	Standard connection services.....	624
5A.B.4	Standard connection services	624
5A.B.5	Approval of model standing offer to provide standard connection services.....	625
Division 3	Miscellaneous.....	625
5A.B.6	Amendment etc of model standing offer	625
5A.B.7	Publication of model standing offers	626
Part C	Negotiated connection.....	626
5A.C.1	Negotiation of connection	626
5A.C.2	Process of negotiation	627
5A.C.3	Negotiation frame work.....	627
5A.C.4	Fee to cover cost of negotiation	629
Part D	Application for connection service	630
Division 1	Information.....	630
5A.D.1	Publication of information	630
5A.D.1A	Register of completed embedded generation projects	630
Division 2	Preliminary enquiry.....	632
5A.D.2	Preliminary enquiry.....	632
Division 3	Applications	633
5A.D.3	Application process.....	633
5A.D.4	Site inspection.....	634
Part E	Connection charges	634
5A.E.1	Connection charge principles.....	634
5A.E.2	Itemised statement of connection charges	636

5A.E.3	Connection charge guidelines	636
5A.E.4	Payment of connection charges.....	638
Part F	Formation and integration of connection contracts	639
Division 1	Offer and acceptance – basic and standard connection services.....	639
5A.F.1	Distribution Network Service Provider’s response to application.....	639
5A.F.2	Acceptance of connection offer	639
5A.F.3	Offer and acceptance—application for expedited connection	639
Division 2	Offer and acceptance – negotiated connection.....	640
5A.F.4	Negotiated connection offer	640
Division 3	Formation of contract.....	641
5A.F.5	Acceptance of connection offer	641
Division 4	Contractual performance	641
5A.F.6	Carrying out connection work.....	641
5A.F.7	Retailer required for energisation where new connection	642
Part G	Dispute resolution between Distribution Network Service Providers and customers	642
5A.G.1	Relevant disputes	642
5A.G.2	Determination of dispute	642
5A.G.3	Termination of proceedings	643
SCHEDULE 5A.1 – Minimum content requirements for connection contract		643
Part A	Connection offer not involving embedded generation.....	643
Part B	Connection offer involving embedded generation.....	644
6	Economic Regulation of Distribution Services	649
Part A	Introduction.....	649
6.1	Introduction to Chapter 6	649
6.1.1	AER's regulatory responsibility	649
6.1.1A	[Deleted].....	649
6.1.2	Structure of this Chapter	649
6.1.3	Access to direct control services and negotiated distribution services.....	650
6.1.4	Prohibition of DUOS charges for the export of energy	650
Part B	Classification of Distribution Services and Distribution Determinations	651
6.2	Classification.....	651
6.2.1	Classification of distribution services	651
6.2.2	Classification of direct control services as standard control services or alternative control services	652
6.2.3	Term for which classification operates	653
6.2.4	Duty of AER to make distribution determinations	653
6.2.5	Control mechanisms for direct control services.....	653
6.2.6	Basis of control mechanisms for direct control services	654
6.2.7	Negotiated distribution services.....	655

6.2.8	Guidelines	655
Part C	Building Block Determinations for standard control services	656
6.3	Building block determinations	656
6.3.1	Introduction	656
6.3.2	Contents of building block determination	656
6.4	Post-tax revenue model	657
6.4.1	Preparation, publication and amendment of post-tax revenue model	657
6.4.2	Contents of post-tax revenue model	657
6.4.3	Building block approach	657
6.4.4	Shared assets	659
6.4.5	Expenditure Forecast Assessment Guidelines	660
6.4A	Capital expenditure incentive mechanisms	660
6.5	Matters relevant to the making of building block determinations	661
6.5.1	Regulatory asset base	661
6.5.2	Return on capital	662
6.5.3	Estimated cost of corporate income tax	665
6.5.4	[Deleted]	665
6.5.5	Depreciation	665
6.5.6	Forecast operating expenditure	666
6.5.7	Forecast capital expenditure	669
6.5.8	Efficiency benefit sharing scheme	673
6.5.8A	Capital expenditure sharing scheme	674
6.5.9	The X factor	675
6.5.10	Pass through events	676
6.6	Adjustments after making of building block determination	676
6.6.1	Cost pass through	676
6.6.1A	Reporting on jurisdictional schemes	683
6.6.2	Service target performance incentive scheme	684
6.6.3	Demand management and embedded generation connection incentive scheme	685
6.6.4	Small-scale incentive scheme	686
6.6.5	Reopening of distribution determination for capital expenditure	687
6.6A	Contingent Projects	690
6.6A.1	Acceptance of a contingent project in a distribution determination	690
6.6A.2	Amendment of distribution determination for contingent project	692
Part D	Negotiated distribution services	696
6.7	Negotiated distribution services	696
6.7.1	Principles relating to access to negotiated distribution services	696
6.7.2	Determination of terms and conditions of access for negotiated distribution services	698
6.7.3	Negotiating framework determination	699
6.7.4	Negotiated Distribution Service Criteria determination	699
6.7.5	Preparation of and requirements for negotiating framework for negotiated distribution services	700
6.7.6	Confidential information	702

Part DA	Connection policies	702
6.7A	Connection policy requirements	702
6.7A.1	Preparation of, and requirements for, connection policy	702
Part E	Regulatory proposal and proposed tariff structure statement	703
6.8	Regulatory proposal and proposed tariff structure statement	703
6.8.1	AER's framework and approach paper	703
6.8.1A	Notification of approach to forecasting expenditure	706
6.8.2	Submission of regulatory proposal and tariff structure statement	706
6.9	Preliminary examination and consultation	709
6.9.1	Preliminary examination	709
6.9.2	Resubmission of proposal	709
6.9.2A	Confidential information	709
6.9.3	Consultation	710
6.10	Draft distribution determination and further consultation	711
6.10.1	Making of draft distribution determination	711
6.10.2	Publication of draft determination and consultation	711
6.10.3	Submission of revised proposal	712
6.10.4	Submissions on specified matters	713
6.11	Distribution determination	713
6.11.1	Making of distribution determination	713
6.11.1A	Out of scope revised regulatory proposal or late submissions	713
6.11.2	Notice of distribution determination	714
6.11.3	Commencement of distribution determination	714
6.12	Requirements relating to draft and final distribution determinations	715
6.12.1	Constituent decisions	715
6.12.2	Reasons for decisions	718
6.12.3	Extent of AER's discretion in making distribution determinations	718
6.13	Revocation and substitution of distribution determination for wrong information or error	720
6.14	Miscellaneous	720
6.14A	Distribution Confidentiality Guidelines	721
Part F	Cost Allocation	721
6.15	Cost allocation	721
6.15.1	Duty to comply with Cost Allocation Method	721
6.15.2	Cost Allocation Principles	722
6.15.3	Cost Allocation Guidelines	722
6.15.4	Cost Allocation Method	723
Part G	Distribution consultation procedures	724
6.16	Distribution consultation procedures	724
Part H	Ring-Fencing Arrangements for Distribution Network Service Providers	726
6.17	Distribution Ring-Fencing Guidelines	726

6.17.1	Compliance with Distribution Ring-Fencing Guidelines	726
6.17.2	Development of Distribution Ring-Fencing Guidelines	726
Part I	Distribution Pricing Rules.....	727
6.18	Distribution Pricing Rules.....	727
6.18.1	Application of this Part	727
6.18.1A	Tariff structure statement.....	727
6.18.1B	Amending a tariff structure statement with the AER's approval	728
6.18.1C	Sub-threshold tariffs.....	730
6.18.2	Pricing proposals.....	731
6.18.3	Tariff classes	732
6.18.4	Principles governing assignment or re-assignment of retail customers to tariff classes and assessment and review of basis of charging.....	733
6.18.5	Pricing principles	733
6.18.6	Side constraints on tariffs for standard control services	735
6.18.7	Recovery of designated pricing proposal charges.....	736
6.18.7A	Recovery of jurisdictional scheme amounts	737
6.18.8	Approval of pricing proposal	741
6.18.9	Publication of information about tariffs and tariff classes	742
6.19.	Data Required for Distribution Service Pricing	743
6.19.1	Forecast use of networks by Distribution Customers and Embedded Generators	743
6.19.2	Confidentiality of distribution network pricing information	743
Part J	Billing and Settlements	743
6.20	Billing and Settlements Process	743
6.20.1	Billing for distribution services	743
6.20.2	Minimum information to be provided in distribution network service bills	745
6.20.3	Settlement between Distribution Network Service Providers	746
6.20.4	Obligation to pay.....	746
Part K	Prudential requirements, capital contributions and prepayments	746
6.21	Distribution Network Service Provider Prudential Requirements.....	746
6.21.1	Prudential requirements for distribution network service.....	746
6.21.2	Capital contributions, prepayments and financial guarantees.....	747
6.21.3	Treatment of past prepayments and capital contributions	747
Part L	Dispute resolution	748
6.22	Dispute Resolution	748
6.22.1	Dispute Resolution by the AER.....	748
6.22.2	Determination of dispute.....	748
6.22.3	Termination of access dispute without access determination	750
Part M	Separate disclosure of transmission and distribution charges	750
6.23	Separate disclosure of transmission and distribution charges	750
Part N	Dual Function Assets	751

6.24	Dual Function Assets	751
6.24.1	Application of this Part	751
6.24.2	Dual Function Assets	751
6.25	AER determination of applicable pricing regime for Dual Function Assets.....	752
6.26	Division of Distribution Network Service Provider's revenue.....	753
Part O	Annual Benchmarking Report.....	754
6.27	Annual Benchmarking Report.....	754
Part P	Distribution Reliability Measures Guidelines	754
6.28	Distribution Reliability Measures Guidelines	754
Schedule 6.1	Contents of building block proposals	755
S6.1.1	Information and matters relating to capital expenditure	755
S6.1.2	Information and matters relating to operating expenditure	756
S6.1.3	Additional information and matters	757
Schedule 6.2	Regulatory Asset Base	759
S6.2.1	Establishment of opening regulatory asset base for a regulatory control period	759
S6.2.2	Prudency and efficiency of capital expenditure	764
S6.2.2A	Reduction for inefficient past capital expenditure	765
S6.2.2B	Depreciation.....	767
S6.2.3	Roll forward of regulatory asset base within the same regulatory control period	767
6A.	Economic Regulation of Transmission Services	771
Part A	Introduction.....	771
6A.1	Introduction to Chapter 6A	771
6A.1.1	Economic regulation of transmission services generally	771
6A.1.2	Meaning of terms and conditions of access for transmission services.....	772
6A.1.3	Access to prescribed and negotiated transmission services	772
6A.1.4	National regulatory arrangements	773
6A.1.5	Application of Chapter 6A to Market Network Service Providers	773
6A.1.6	Application of Chapter 6A to AEMO and declared transmission system operators.....	774
Part B	Transmission Determinations Generally	774
6A.2	Transmission determinations	774
6A.2.1	Duty of AER to make transmission determinations	774
6A.2.2	Components of transmission determinations	774
6A.2.3	Guidelines	774
Part C	Regulation of Revenue - Prescribed Transmission Services	775
6A.3	Allowed revenue from prescribed transmission services	775
6A.3.1	Allowed revenue for regulatory year	775
6A.3.2	Adjustment of maximum allowed revenue	776

6A.4	Revenue determinations	776
6A.4.1	Introduction.....	776
6A.4.2	Contents of revenue determination	776
6A.5	Post-tax revenue model.....	777
6A.5.1	Introduction.....	777
6A.5.2	Preparation, publication and amendment of post-tax revenue model.....	778
6A.5.3	Contents of post-tax revenue model	778
6A.5.4	Building blocks approach.....	779
6A.5.5	Shared assets	780
6A.5.6	Expenditure Forecast Assessment Guidelines	781
6A.5A	Capital expenditure incentive mechanisms	782
6A.6	Matters relevant to the making of revenue determinations	782
6A.6.1	Regulatory asset base	782
6A.6.2	Return on capital	784
6A.6.3	Depreciation.....	786
6A.6.4	Estimated cost of corporate income tax	788
6A.6.5	Efficiency benefit sharing scheme	788
6A.6.5A	Capital expenditure sharing scheme	789
6A.6.6	Forecast operating expenditure	790
6A.6.7	Forecast capital expenditure	793
6A.6.8	The X factor	797
6A.6.9	Pass through events	798
6A.7	Matters relevant to the adjustment of revenue cap after making of revenue determination.....	798
6A.7.1	Reopening of revenue determination for capital expenditure	798
6A.7.2	Network support pass through	801
6A.7.3	Cost pass through.....	803
6A.7.4	Service target performance incentive scheme	809
6A.7.5	Small-scale incentive scheme	811
6A.8	Contingent Projects.....	812
6A.8.1	Acceptance of a Contingent Project in a revenue determination	812
6A.8.2	Amendment of revenue determination for contingent project	813
Part D	Negotiated Transmission Services	818
6A.9	Negotiated transmission services	818
6A.9.1	Principles relating to access to negotiated transmission services	818
6A.9.2	Determination of terms and conditions of access for negotiated transmission services.....	820
6A.9.3	Negotiating framework determination	820
6A.9.4	Negotiated transmission criteria determination	820
6A.9.5	Preparation of and requirements for negotiating framework	821
6A.9.6	Confidential information.....	823
6A.9.7	Commercial arbitration for negotiated transmission services.....	823
Part E	Procedure – Revenue determinations, negotiating frameworks and pricing methodologies	823
6A.10	Revenue Proposal, proposed negotiating framework and proposed pricing methodology	823

6A.10.1A	AER's framework and approach paper	823
6A.10.1B	Notification of approach to forecasting expenditure.....	825
6A.10.1	Submission of proposal, framework, pricing methodology and information.....	826
6A.10.2	[Deleted].....	827
6A.11	Preliminary examination and consultation	827
6A.11.1	Preliminary examination and determination of non-compliance with relevant requirements.....	827
6A.11.2	Resubmission of proposal, framework, pricing methodology or information.....	828
6A.11.2A	Confidential information.....	828
6A.11.3	Consultation	829
6A.12	Draft decision and further consultation.....	830
6A.12.1	Making of draft decision.....	830
6A.12.2	Publication of draft decision and consultation.....	830
6A.12.3	Submission of revised proposal, framework or pricing methodology	831
6A.12.4	Submissions on specified matters	832
6A.13	Final decision.....	833
6A.13.1	Making of final decision	833
6A.13.2	Refusal to approve amounts, values, framework or pricing methodology.....	833
6A.13.2A	Out of scope revised documents or late submissions.....	834
6A.13.3	Notice of final decision.....	835
6A.13.4	Making of transmission determination	835
6A.14	Requirements relating to draft and final decisions	835
6A.14.1	Contents of decisions	835
6A.14.2	Reasons for decisions.....	838
6A.14.3	Circumstances in which matters must be approved or accepted.....	838
6A.15	Revocation of revenue determination or amendment of pricing methodology for wrong information or error	841
6A.16	Miscellaneous.....	842
6A.16A	Transmission Confidentiality Guidelines	842
Part F	Information Disclosure	843
6A.17	Information disclosure by Transmission Network Service Providers	843
6A.17.1	Information to be provided to AER	843
6A.17.2	Information Guidelines	844
6A.18	[Deleted]	846
Part G	Cost Allocation	846
6A.19	Cost allocation	846
6A.19.1	Duty to comply with Cost Allocation Methodology.....	846
6A.19.2	Cost Allocation Principles	846
6A.19.3	Cost Allocation Guidelines	847
6A.19.4	Cost Allocation Methodology.....	848
Part H	Transmission Consultation Procedures	849

6A.20	Transmission consultation procedures	849
Part I	Ring-Fencing Arrangements for Transmission Network Service Providers	850
6A.21	Transmission Ring-Fencing Guidelines	850
6A.21.1	Compliance with Transmission Ring-Fencing Guidelines	850
6A.21.2	Development of Transmission Ring-Fencing Guidelines	851
Part J	Prescribed Transmission Services - Regulation of Pricing	852
6A.22	Terms used in Part J	852
6A.22.1	Aggregate annual revenue requirement (AARR).....	852
6A.22.2	Annual service revenue requirement (ASRR)	852
6A.22.3	Meaning of attributable cost share	852
6A.22.4	Meaning of attributable connection point cost share	853
6A.23	Pricing Principles for Prescribed Transmission Services	853
6A.23.1	Introduction.....	853
6A.23.2	Principles for the allocation of the aggregate annual revenue requirement	853
6A.23.3	Principles for the allocation of the annual service revenue requirement to connection points	854
6A.23.4	Principles for the recovery of the Annual Service Revenue Requirement as prices	857
6A.24	Pricing methodology	859
6A.24.1	Pricing methodologies generally.....	859
6A.24.2	Publication of pricing methodology and transmission network prices	860
6A.24.3	Basis for setting prices pending approval of pricing methodology	860
6A.24.4	Basis for setting prices pending approval of maximum allowed revenue	861
6A.25	Pricing methodology guidelines for prescribed transmission services	862
6A.25.1	Making and amending of pricing methodology guidelines	862
6A.25.2	Contents of pricing methodology guidelines	863
6A.26	Prudent discounts.....	864
6A.26.1	Agreements for prudent discounts for prescribed transmission services.....	864
6A.26.2	Application to AER for approval of proposed prudent discount amounts	865
6A.27	Billing Process	867
6A.27.1	Billing for prescribed transmission services	867
6A.27.1A	Billing of modified load export charges	867
6A.27.2	Minimum information to be provided in network service bills	867
6A.27.3	Obligation to pay charges for prescribed transmission services	868
6A.27.4	Payments between Transmission Network Service Providers in the same region	868
6A.27.5	Calculation of financial transfers between Transmission Network Service Providers in the same region.....	868
6A.28	Prudential Requirements	869

6A.28.1	Prudential Requirements for prescribed transmission services	869
6A.28.2	Capital contribution or prepayment for a specific asset.....	869
6A.28.3	Treatment of past capital contributions.....	869
6A.29	Multiple Transmission Network Service Providers	870
6A.29.1	Multiple Transmission Network Service Providers within a region.....	870
6A.29.2	Single Transmission Network Service Provider within a region	871
6A.29.3	Allocation over several regions.....	871
6A.29A	Modified load export charges	871
6A.29A.1	Single Transmission Network Service Provider in a Region.....	871
6A.29A.2	Calculation of the modified load export charges	871
6A.29A.3	Calculation of adjustments to the modified load export charge	872
6A.29A.4	Billing the modified load export charge	872
6A.29A.5	Allocation and billing process where multiple Transmission Network Service Providers in a Region.....	873
Part K	Commercial arbitration for disputes about terms and conditions of access for prescribed and negotiated transmission services	873
6A.30	Commercial arbitration for prescribed and negotiated transmission services	873
6A.30.1	Notification of transmission services dispute	874
6A.30.2	Appointment of commercial arbitrator	874
6A.30.3	Procedures of commercial arbitrator.....	875
6A.30.4	Powers of commercial arbitrator in determining transmission services access disputes	875
6A.30.5	Determination of transmission services access disputes.....	876
6A.30.6	Costs of dispute	877
6A.30.7	Enforcement of agreement or determination and requirement for reasons.....	878
6A.30.8	Miscellaneous.....	878
Part L	Annual Benchmarking Report.....	878
6A.31	Annual Benchmarking Report.....	878
Schedule 6A.1	Contents of Revenue Proposals.....	879
S6A.1.1	Information and matters relating to capital expenditure	879
S6A.1.2	Information and matters relating to operating expenditure.....	880
S6A.1.3	Additional information and matters	881
Schedule 6A.2	Regulatory Asset Base	884
S6A.2.1	Establishment of opening regulatory asset base for a regulatory control period	884
S6A.2.2	Prudency and efficiency of capital expenditure	889
S6A.2.2A	Reduction for inefficient past capital expenditure	889
S6A.2.2B	Depreciation.....	892
S6A.2.3	Removal of assets from regulatory asset base	892
S6A.2.4	Roll forward of regulatory asset base within the same regulatory control period	894
Schedule 6A.3	CRNP methodology and modified CRNP methodology	895
S6A.3.1	Meaning of optimised replacement cost	895

S6A.3.2	CRNP methodology	895
S6A.3.3	Modified CRNP methodology	896
Schedule 6A.4	Application of this Chapter to AEMO and declared transmission system operators	896
S6A.4.1	Application of this Chapter to AEMO etc	896
S6A.4.2	Exclusions, qualifications and modifications	896
Chapter 6B	Retail markets	907
Part A	Retail support	907
Division 1 – Application and definitions		907
6B.A1.1	Application of this Part	907
Division 2	Billing and payment rules	908
6B.A2.1	Obligation to pay.....	908
6B.A2.2	Direct customer billing and energy-only contracts.....	908
6B.A2.3	Calculating network charges	908
6B.A2.4	Statement of charges	908
6B.A2.5	Time and manner of payment	909
Division 3	Matters incidental to billing and payment.....	909
6B.A3.1	Adjustment of network charges	909
6B.A3.2	Tariff reassignment	910
6B.A3.3	Disputed statements of charges.....	911
6B.A3.4	Interest.....	912
6B.A3.5	Notification of changes to charges.....	912
Part B	Credit support regime	912
Division 1	Application and definitions	913
6B.B1.1	Application of Part B	913
6B.B1.2	Definitions.....	913
Division 2	Requirements for credit support	913
6B.B2.1	Distribution Network Service Provider may require credit support	913
6B.B2.2	Determining required credit support amount	913
Division 3	Determining credit allowance for a retailer	915
6B.B3.1	Calculating retailer credit allowance.....	915
6B.B3.2	Distribution Network Service Provider's maximum credit allowance	915
6B.B3.3	Credit rating for retailer	915
6B.B3.4	Calculating credit allowance where guarantor.....	916
6B.B3.5	When no credit allowance will be extended to a retailer	917
Division 4	Provision of credit support by retailers	917
6B.B4.1	Retailer to provide credit support.....	917
6B.B4.2	Acceptable form of credit support	918
6B.B4.3	Provision of credit support where dispute arises	918
Division 5	Other Rules relating to credit support	918
6B.B5.1	Top up of credit support.....	918
6B.B5.2	Reduction of credit support.....	919
6B.B5.3	Application of credit support	919

6B.B5.4	Return of credit support	919
6B.B5.5	Other retailer obligations	919
Schedule 6B.1	920	
7.	Metering	925
7.1	Introduction to the Metering Chapter	925
7.1.1	Contents	925
7.1.2	Obligations of Market Participants to establish metering installations	925
7.1.3	Obligation to establish, maintain and publish procedures	926
7.1.4	Amendment of procedures in the Metering Chapter	926
7.2	Responsibility for Metering Installation, Metering Data and Market Settlement and Transfer Solution Procedures	927
7.2.1	Responsibility of the responsible person	927
7.2.1A	Responsibility of AEMO for the collection, processing and delivery of metering data	928
7.2.1B	Responsibility for interconnectors	929
7.2.2	Responsibility of the Market Participant	929
7.2.3	Responsibility of the Local Network Service Provider	929
7.2.4	Joint metering installations	931
7.2.4A	Special site or technology related conditions	931
7.2.5	Role of the responsible person	933
7.2.6	[Deleted]	935
7.2.7	Registration of metering installations	935
7.2.8	Market Settlement and Transfer Solution Procedures	936
7.2A	B2B Arrangements	936
7.2A.1	B2B e-Hub	936
7.2A.2	Information Exchange Committee	937
7.2A.3	Method of making and changing B2B Procedures	940
7.2A.4	Content of the B2B Procedures	943
7.2A.5	[Deleted]	944
7.2A.6	Cost Recovery	944
7.3	Metering Installation Arrangements	945
7.3.1A	Metering Installation Requirements	945
7.3.1	Metering installation components	945
7.3.2	Connection and metering point	950
7.3.3	[Deleted]	950
7.3.4	Metering installation types, accuracy and meter churn	950
7.3.5	[Deleted]	952
7.3.6	[Deleted]	952
7.3.7	Meter installation malfunctions	952
7.3A	Payment for Metering Provision and Metering Data Services	952
7.4	Metering Providers and Metering Data Providers	954
7.4.1	Role of Metering Providers	954
7.4.1A	Role of Metering Data Providers	954
7.4.2	Qualifications and registration of Metering Providers	954

7.4.2A	Qualifications and registration of Metering Data Providers	955
7.4.3	Deregistration of Metering Providers and Metering Data Providers	956
7.5	Register of Metering Information	957
7.5.1	Metering register	957
7.5.2	Metering register discrepancy	957
7.5A	Disclosure of NMI information.....	957
7.5A.1	Application of this Rule	957
7.5A.2	NMI and NMI checksum	957
7.5A.3	NMI Standing Data	958
7.6	Inspection, Testing and Audit of Metering Installations.....	958
7.6.1	Responsibility for testing	958
7.6.2	Actions in event of non-compliance	960
7.6.3	Audits of information held in metering installations	960
7.6.4	Retention of test records and documents	961
7.7	Entitlement to metering data and access to metering installation.....	962
7.8	Security of Metering Installations and Data	964
7.8.1	Security of metering installations	964
7.8.2	Security controls	965
7.8.3	Changes to metering equipment, parameters and settings within a metering installation.....	967
7.8.4	Changes to energy data or to metering data	967
7.9	Processing of Metering Data for Settlements Purposes.....	968
7.9.1	Metering databases.....	968
7.9.2	[Deleted].....	969
7.9.3	[Deleted].....	969
7.9.4	Data validation, substitution and estimation.....	969
7.9.5	Errors found in metering tests, inspections or audits	969
7.10	Confidentiality	970
7.11	Metering Data Arrangements	970
7.11.1	Metering data performance standards	970
7.11.2	Metering Data Services	971
7.11.3	Data management and storage	972
7.11.4	Use of check metering data	974
7.11.5	Periodic energy metering	974
7.12	Time settings	975
7.13	Evolving Technologies and Processes and Development of the Market.....	976
7.14	Metrology and service level procedures.....	977
7.14.1	Requirements of the metrology procedure.....	977
7.14.1A	Requirements of the service level procedures.....	978
7.14.2	Jurisdictional metrology material in metrology procedure	980
7.14.3	Additional metrology procedure matters	981
7.14.4	[Deleted].....	982
7.15	Miscellaneous.....	982

7.16	Metering data provision to retail customers	983
Schedule 7.1	Responsibility for metering installation and metering data	984
Schedule 7.2	Types and Accuracy of Metering Installations	984
S7.2.1	General requirements	984
S7.2.2	Metering installations commissioned prior to 13 December 1998	984
S7.2.3	Accuracy requirements for metering installations	985
S7.2.4.	Check metering	991
S7.2.5.	Resolution and accuracy of displayed or captured data	992
S7.2.6.	General design standards	992
S7.2.6.1	Design requirements	992
S7.2.6.2	Design guidelines	993
Schedule 7.3	Inspection and Testing Requirements	994
S7.3.1.	General	994
S7.3.2.	Technical Guidelines.....	996
Schedule 7.4	Metering Provider.....	997
S7.4.1	General	997
S7.4.2	Categories of registration.....	997
S7.4.3	Capabilities of Metering Providers for metering installations types 1, 2, 3 and 4	999
S7.4.4	Capabilities of Metering Providers for metering installations types 5 and 6	1001
S7.4.5	Capabilities of the Accredited Service Provider category	1001
Schedule 7.5	Metering Register.....	1002
S7.5.1.	General	1002
S7.5.2.	Metering register information	1002
Schedule 7.6	Metering Data Provider.....	1004
S7.6.1	General	1004
S7.6.2	Categories of registration.....	1004
S7.6.3	Capabilities of Metering Data Providers.....	1004
8.	Administrative Functions	1009
Part A	Introductory	1009
8.1	Administrative functions	1009
8.1.1	[Deleted].....	1009
8.1.2	[Deleted].....	1009
8.1.3	Structure of this Chapter	1009
Part B	Disputes	1010
8.2	Dispute Resolution	1010
8.2.1	Application and guiding principles	1010
8.2.2	The Dispute Resolution Adviser	1013
8.2.3	Dispute management systems of Registered Participants and AEMO	1014
8.2.4	Stage 1 - dispute resolution through Registered Participants' DMS	1014
8.2.5	Stage 2 - dispute resolution process	1017
8.2.6A	Establishment of Dispute Resolution Panel	1017

8.2.6B	Parties to DRP Proceedings	1019
8.2.6C	Proceedings of the DRP	1020
8.2.6D	Decisions of the DRP	1020
8.2.6	[Deleted].....	1021
8.2.7	Legal representation.....	1021
8.2.8	Cost of dispute resolution	1021
8.2.9	Effect of resolution.....	1022
8.2.10	Recording and publication	1023
8.2.11	Appeals on questions of law	1023
8.2.12	[Deleted].....	1023
8.2A	B2B Determination Disputes.....	1023
8.2A.1	Application of rule 8.2	1023
8.2A.2	How rule 8.2 applies	1023
8.3	Power to make Electricity Procedures	1026
8.4	[Deleted]	1026
8.5	[Deleted].....	1026
Part C	Registered Participants' confidentiality obligations	1026
8.6	Confidentiality	1026
8.6.1	Confidentiality	1026
8.6.2	Exceptions	1028
8.6.3	Conditions	1029
8.6.4	[Deleted].....	1029
8.6.5	Indemnity to AER, AEMC and AEMO	1029
8.6.6	AEMO information.....	1030
8.6.7	Information on Rules Bodies	1030
Part D	Monitoring and reporting	1030
8.7	Monitoring and Reporting	1030
8.7.1	Monitoring	1030
8.7.2	Reporting requirements and monitoring standards for Registered Participants and AEMO	1031
8.7.3	Consultation required for making general regulatory information order (Section 28H of the NEL).....	1033
8.7.4	Preparation of network service provider performance report (Section 28V of the NEL)	1034
8.7.5	[Deleted].....	1035
8.7.6	Recovery of reporting costs	1035
Part E	Reliability panel	1035
8.8	Reliability Panel	1035
8.8.1	Purpose of Reliability Panel.....	1035
8.8.2	Constitution of the Reliability Panel.....	1037
8.8.3	Reliability Panel review process	1039
Part F	Rules consultation procedures	1041
8.9	Rules Consultation Procedures.....	1041
Part G	Consumer advocacy funding.....	1044

8.10	Consumer advocacy funding obligation.....	1044
Part H	Augmentations.....	1044
8.11	Augmentations.....	1044
8.11.1	Application.....	1044
8.11.2	Object.....	1044
8.11.3	Definitions.....	1045
8.11.4	Planning criteria	1046
8.11.5	Construction of augmentation that is not a contestable augmentation.....	1046
8.11.6	Contestable augmentations	1047
8.11.7	Construction and operation of contestable augmentation.....	1047
8.11.8	Funded augmentations that are not subject to the tender process	1049
8.11.9	Contractual requirements and principles.....	1050
8.11.10	Annual planning review	1050
Schedule 8.11	Principles to be reflected in agreements relating to contestable augmentations	1051
S8.11.1	Risk allocation.....	1051
S8.11.2	Minimum requirements for agreements relating to contestable augmentation.....	1052
S8.11.3	Matters to be dealt with in relevant agreements	1053
8A.	Participant Derogations.....	1057
Part 1	Derogations Granted to TransGrid.....	1057
8A.1	[Deleted]	1057
Part 2	Derogations Granted to EnergyAustralia.....	1057
8A.2	[Deleted]	1057
8A.2A	[Deleted]	1057
Part 3	[Deleted]	1057
Part 4	[Deleted]	1057
Part 5	[Deleted]	1057
Part 6	Derogations Granted to Victorian Market Participants	1057
Part 7	[Deleted]	1057
Part 8	[Deleted]	1057
Part 9	[Deleted]	1057
Part 10	[Deleted]	1057
Part 11	[Deleted]	1057
Part 12	[Deleted]	1057
Part 13	Derogation granted to Aurora Energy (Tamar Valley) Pty Ltd	1057
8A.13	[Deleted]	1057

9.	Jurisdictional Derogations and Transitional Arrangements	1061
9.1	Purpose and Application	1061
9.1.1	Purpose	1061
9.1.2	Jurisdictional Derogations	1061
Part A	Jurisdictional Derogations for Victoria	1061
9.2	[Deleted]	1061
9.3	Definitions	1061
9.3.1	General Definitions	1061
9.3.2	[Deleted]	1063
9.3A	Fault levels	1063
9.4	Transitional Arrangements for Chapter 2 - Registered Participants, Registration and Cross Border Networks	1064
9.4.1	[Deleted]	1064
9.4.2	Smelter Trader	1064
9.4.3	Smelter Trader: compliance	1065
9.4.4	Report from AER	1067
9.4.5	Cross Border Networks	1068
9.5	[Deleted]	1068
9.6	Transitional Arrangements for Chapter 4 - System Security	1068
9.6.1	Operating Procedures (clause 4.10.1)	1068
9.6.2	Nomenclature Standards (clause 4.12)	1068
9.7	Transitional Arrangements for Chapter 5 - Network Connection	1069
9.7.1	[Deleted]	1069
9.7.2	[Deleted]	1069
9.7.3	[Deleted]	1069
9.7.4	Regulation of Distribution Network Connection	1069
9.7.5	[Deleted]	1070
9.7.6	[Deleted]	1070
9.7.7	[Deleted]	1070
9.8	Transitional Arrangements for Chapter 6 - Network Pricing	1070
9.8.1	[Deleted]	1070
9.8.2	[Deleted]	1070
9.8.3	[Deleted]	1070
9.8.4	Transmission Network Pricing	1070
9.8.4A	[Deleted]	1072
9.8.4B	[Deleted]	1072
9.8.4C	[Deleted]	1072
9.8.4D	[Deleted]	1072
9.8.4E	[Deleted]	1072
9.8.4F	[Deleted]	1072
9.8.4G	[Deleted]	1072
9.8.5	[Deleted]	1072
9.8.6	[Deleted]	1072

9.8.7	Distribution network pricing – transitional application of former Chapter 6	1072
9.8.8	Exclusion of AER's power to aggregate distribution systems and parts of distribution systems	1073
9.9	Transitional Arrangements for Chapter 7 - Metering	1074
9.9.1	Metering Installations To Which This Schedule Applies	1074
9.9.2	[Deleted]	1074
9.9.3	[Deleted]	1074
9.9.4	[Deleted]	1074
9.9.5	[Deleted]	1074
9.9.6	[Deleted]	1074
9.9.7	[Deleted]	1074
9.9.8	[Deleted]	1074
9.9.9	Periodic Energy Metering (clause 7.9.3)	1074
9.9.10	Use of Alternate Technologies (clause 7.13)	1074
9.9A	[Deleted]	1075
9.9B	[Deleted]	1075
9.9C	Metering services for residential and small business customers	1075
9.9C.1	Definitions	1075
9.9C.2	Expiry Date	1076
9.9C.3	Designation as responsible person	1076
9.9C.4	Classification of relevant metering installations	1076
9.9C.5	Cost recovery of AMI rollout	1076
9.9C.6	Capability for remote acquisition of metering data	1076
Schedule 9A1.1	[Deleted]	1076
Schedule 9A1.2	[Deleted]	1076
Schedule 9A1.3	[Deleted]	1076
Schedule 9A2	[Deleted]	1076
Schedule 9A3	Jurisdictional Derogations Granted to Generators	1076
1.	Interpretation of tables	1076
2.	Continuing effect	1077
3.	Subsequent agreement	1077
4.	[Deleted]	1078
5.	Reactive Power Capability (clause S5.2.5.1 of schedule 5.2)	1078
6.	[Deleted]	1079
7.	[Deleted]	1079
8.	[Deleted]	1079
9.	[Deleted]	1079
10.	[Deleted]	1079
11.	[Deleted]	1079
12.	[Deleted]	1079
13.	Governor Systems (load control) (clause S5.2.5.11 of schedule 5.2)	1079
14.	[Deleted]	1079
15.	[Deleted]	1079
16.	Excitation Control System (clause S5.2.5.13 of schedule 5.2)	1079
Part B	Jurisdictional Derogations for New South Wales	1080

9.10	[Deleted]	1080
9.11	Definitions	1080
9.11.1	Definitions used in this Part B	1080
9.12	Transitional Arrangements for Chapter 2 - Generators, Registered Participants, Registration and Cross Border Networks	1081
9.12.1	[Deleted]	1081
9.12.2	Customers	1081
9.12.3	Power Traders	1081
9.12.4	Cross Border Networks	1084
9.13	[Deleted]	1085
9.14	Transitional Arrangements for Chapter 4 - System Security	1085
9.14.1	Power System Operating Procedures	1085
9.15	NSW contestable services for Chapter 5A	1085
9.15.1	Definitions	1085
9.15.2	Chapter 5A not to apply to certain contestable services	1086
9.16	Transitional Arrangements for Chapter 6 - Network Pricing	1086
9.16.1	NSW contestable services	1086
9.16.2	[Deleted]	1086
9.16.3	Jurisdictional Regulator	1086
9.16.4	Deemed Regulated Interconnector	1086
9.16.5	[Deleted]	1086
9.17	Transitional Arrangements for Chapter 7 - Metering	1086
9.17.1	Extent of Derogations	1086
9.17.2	Initial Registration (clause 7.1.2)	1087
9.17.3	Amendments to Schedule 9G1	1087
9.17.4	Compliance with AS/NZ ISO 9002 (clause S7.4.3(f) of schedule 7.4)	1087
9.17A	[Deleted]	1088
9.18	[Deleted]	1088
Part C	Jurisdictional Derogations for the Australian Capital Territory	1088
9.19	[Deleted]	1088
9.20	Definitions and Transitional Arrangements for Cross-Border Networks	1088
9.20.1	Definitions	1088
9.20.2	Cross Border Networks	1088
9.21	[Deleted]	1089
9.22	[Deleted]	1089
9.23	Transitional Arrangements for Chapter 6 - Network Pricing	1089
9.23.1	[Deleted]	1089
9.23.2	[Deleted]	1089
9.23.3	[Deleted]	1089
9.23.4	[Deleted]	1089

9.24	Transitional Arrangements	1089
9.24.1	Chapter 7 - Metering	1089
9.24.2	[Deleted]	1089
9.24A	[Deleted]	1089
Part D	Jurisdictional Derogations for South Australia	1089
9.25	Definitions	1089
9.25.1	[Deleted]	1089
9.25.2	Definitions	1089
9.26	Transitional Arrangements for Chapter 2 - Registered Participants, Registration And Cross Border Networks	1092
9.26.1	Registration as a Generator	1092
9.26.2	Registration as a Customer	1093
9.26.3	Cross Border Networks	1093
9.26.4	[Deleted]	1094
9.26.5	Registration as a Network Service Provider	1094
9.27	[Deleted]	1094
9.28	Transitional Arrangements for Chapter 5 - Network Connection	1094
9.28.1	Application of clause 5.2	1094
9.28.2	[Deleted]	1095
9.29	Transitional Arrangements for Chapter 6 - Economic Regulation of Distribution Services	1095
9.29.1	[Deleted]	1095
9.29.2	[Deleted]	1095
9.29.3	[Deleted]	1095
9.29.4	[Deleted]	1095
9.29.5	Distribution Network Pricing – South Australia	1095
9.29.6	Capital contributions, prepayments and financial guarantees	1096
9.29.7	Ring fencing	1097
9.29A	Monitoring and reporting	1097
9.30	Transitional Provisions	1098
9.30.1	Chapter 7 - Metering	1098
Part E	Jurisdictional Derogations for Queensland	1098
9.31	[Deleted]	1098
9.32	Definitions and Interpretation	1098
9.32.1	Definitions	1098
9.32.2	Interpretation	1100
9.33	Transitional Arrangements for Chapter 1	1101
9.33.1	[Deleted]	1101
9.34	Transitional Arrangements for Chapter 2 - Registered Participants and Registration	1101
9.34.1	Application of the Rules in Queensland (clauses 2.2 and 2.5)	1101
9.34.2	Stanwell Cross Border Leases (clause 2.2)	1101
9.34.3	[Deleted]	1101

9.34.4	Registration as a Customer (clause 2.3.1).....	1101
9.34.5	There is no clause 9.34.5.....	1102
9.34.6	Exempted generation agreements (clause 2.2).....	1102
9.35	[Deleted]	1107
9.36	[Deleted]	1107
9.37	Transitional Arrangements for Chapter 5 - Network Connection	1107
9.37.1	[Deleted].....	1107
9.37.2	Existing connection and access agreements (clause 5.2)	1107
9.37.3	[Deleted].....	1108
9.37.4	[Deleted].....	1108
9.37.5	Forecasts for connection points to transmission network (clause 5.11.1)	1108
9.37.6	There is no clause 9.37.6.....	1108
9.37.7	Cross Border Networks	1108
9.37.8	[Deleted].....	1108
9.37.9	Credible contingency events (clause S5.1.2.1 of schedule 5.1)	1108
9.37.10	Reactive power capability (clause S5.2.5.1 of schedule 5.2).....	1109
9.37.11	[Deleted].....	1109
9.37.12	Voltage fluctuations (clause S5.1.5 of schedule 5.1)	1109
9.37.13	[Deleted].....	1112
9.37.14	[Deleted].....	1112
9.37.15	[Deleted].....	1112
9.37.16	[Deleted].....	1112
9.37.17	[Deleted].....	1112
9.37.18	[Deleted].....	1112
9.37.19	Generating unit response to disturbances (clause S5.2.5.3 of schedule 5.2)	1112
9.37.20	[Deleted].....	1112
9.37.21	Excitation control system (clause S.5.2.5.13 of schedule 5.2)	1112
9.37.22	[Deleted].....	1113
9.37.23	Annual forecast information for planning purposes (schedule 5.7).....	1113
9.38	Transitional Arrangements for Chapter 6 - Network Pricing	1113
9.38.1	[Deleted].....	1113
9.38.2	[Deleted].....	1113
9.38.3	[Deleted].....	1113
9.38.4	Interconnectors between regions.....	1113
9.38.5	Transmission pricing for exempted generation agreements	1114
9.39	Transitional Arrangements for Chapter 7 - Metering	1114
9.39.1	Metering installations to which this clause applies.....	1114
9.39.2	[Deleted].....	1115
9.39.3	[Deleted].....	1115
9.39.4	[Deleted].....	1115
9.39.5	[Deleted].....	1115
9.40	Transitional Arrangements for Chapter 8 - Administration Functions	1115
9.40.1	[Deleted].....	1115
9.40.2	[Deleted].....	1115

9.40.3	[Deleted].....	1115
9.41	[Deleted].....	1115
Schedule 9E1	Exempted Generation Agreements	1115
Part F	Jurisdictional Derogations for Tasmania	1116
9.42	Definitions and interpretation	1116
9.42.1	Definitions.....	1116
9.42.2	Interpretation.....	1117
9.42.3	National grid, power system and related expressions	1118
9.43	[Deleted].....	1118
9.44	Transitional arrangements for Chapter 2 – Registered Participants and Registration - Customers (clause 2.3.1(e)).....	1118
9.45	Tasmanian Region (clause 3.5)	1118
9.47	Transitional arrangements for Chapter 5- Network Connection.....	1118
9.47.1	Existing Connection Agreements	1118
9.48	Transitional arrangements - Transmission and Distribution Pricing	1119
9.48.4A	Ring fencing.....	1119
9.48.4B	Uniformity of tariffs for small customers	1119
9.48.5	Transmission network	1119
9.48.6	Deemed regulated interconnector	1119
Part G	Schedules to Chapter 9	1120
Schedule 9G1	Metering Transitional Arrangements	1120
1.	Introduction.....	1120
2.	[Deleted].....	1120
3.	General Principle.....	1120
4.	[Deleted].....	1120
5.	Accuracy Requirements	1120
6.	[Deleted].....	1121
7.	[Deleted].....	1121
8.	[Deleted].....	1121
9.	[Deleted].....	1121
10.	[Deleted].....	1121
10.	Glossary.....	1125
11.	Savings and Transitional Rules	1239
Part A	Definitions	1239
Part B	System Restart Ancillary Services (2006 amendments)	1239
11.2	Rules consequent on making of the National Electricity Amendment (System Restart Ancillary Services and pricing under market suspension) Rule 2006	1239
11.2.1	Transitional provision for acquisition of non-market ancillary services.....	1239

11.3	[Deleted]	1240
Part C	Dispute Resolution for Regulatory Test (2006 amendments)	1240
11.4	Rules consequent on making of the National Electricity Amendment (Dispute Resolution for Regulatory Test) Rule 2006.....	1240
11.4.1	Continuation of things done under old clause 5.6.6.....	1240
Part D	Metrology (2006 amendments)	1241
11.5	Rules consequential on the making of the National Electricity Amendment (Metrology) Rule 2006	1241
11.5.1	Definitions.....	1241
11.5.2	Metrology procedures continues to apply until 31 December 2006	1241
11.5.3	Responsible person	1241
11.5.4	NEMMCO's responsibility to develop a metrology procedure	1241
11.5.5	Jurisdictional metrology material in the metrology procedure	1242
Part E	Economic Regulation of Transmission Services (2006 amendments).....	1243
11.6	Rules consequent on making of the National Electricity Amendment (Economic Regulation of Transmission Services) Rule 2006.....	1243
11.6.1	Definitions.....	1243
11.6.2	New Chapter 6A does not affect existing revenue determinations	1244
11.6.3	Old Part C and Schedules 6.2, 6.3, 6.4, 6.7 and 6.8 of old Chapter 6.....	1245
11.6.4	Old Part F of Chapter 6	1245
11.6.5	Application of new Chapter 6A to Transmission Network Service Providers	1245
11.6.6	Application of Chapter 6 to old distribution matters	1245
11.6.7	References to the old Chapter 6	1245
11.6.8	References to provisions of the old Chapter 6	1246
11.6.9	Roll forward of regulatory asset base for first regulatory control period	1246
11.6.10	Other adjustment carry-over mechanisms from current to first regulatory control period.....	1246
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	1246
11.6.12	Powerlink transitional provisions	1249
11.6.13	ElectraNet easements transitional provisions	1253
11.6.14	TransGrid contingent projects.....	1253
11.6.15	Transmission determination includes existing revenue determinations	1254
11.6.16	References to regulatory control period.....	1254
11.6.17	Consultation procedure for first proposed guidelines	1254
11.6.18	Reliance on proposed guidelines for SP AusNet, VENCorp and ElectraNet.....	1255
11.6.19	EnergyAustralia transitional provisions.....	1255
11.6.20	Basslink transitional provisions	1258
11.6.21	SPI Powernet savings and transitional provision.....	1259

11.6.22	Interim arrangements pricing-related information.....	1261
Part F	Reform of Regulatory Test Principles (2006 amendments)	1261
11.7	Rules consequent on making of the National Electricity Amendment (Reform of the Regulatory Test Principles) Rule 2006.....	1261
11.7.1	Definitions.....	1261
11.7.2	Amending Rule does not affect old clause 5.6.5A.....	1262
Part G	Pricing of Prescribed Transmission Services (2006 amendments).....	1262
11.8	Rules consequent on making the National Electricity Amendment (Pricing of Prescribed Transmission Services) Rule 2006.....	1262
11.8.1	Definitions.....	1262
11.8.2	Regulated interconnectors.....	1263
11.8.3	Application of new Part J of Chapter 6A to Transmission Network Service Providers	1263
11.8.4	Reliance on agreed interim guideline for ElectraNet, SPAusNet, and VenCorp	1263
11.8.5	Prudent discounts under existing agreements	1264
11.8.6	Application of prudent discounts regime under rule 6A.26.....	1264
11.8.7	Prudent discounts pending approval of pricing methodology	1264
Part H	Reallocations (2007 amendments)	1265
11.9	Rules consequent on the making of the National Electricity Amendment (Reallocations) Rule 2007.....	1265
11.9.1	Definitions.....	1265
11.9.2	Existing and transitional reallocations	1266
Part I	Technical Standards for Wind Generation (2007 amendments)	1266
11.10	Rules consequent on making of the National Electricity Amendment (Technical Standards for Wind Generation and other Generator Connections) Rule 2007	1266
11.10.1	Definitions.....	1266
11.10.2	Provision of information under S5.2.4 in registration application.....	1266
11.10.3	Access standards made under the old Chapter 5.....	1267
11.10.4	Modifications to plant by Generators	1267
11.10.5	Technical Details to Support Application for Connection and Connection Agreement	1267
11.10.6	Transitional arrangements for establishment of performance standards.....	1268
11.10.7	Jurisdictional Derogations for Queensland	1268
11.10A	Rules consequent on the making of the National Electricity Amendment (Central Dispatch and Integration of Wind and Other Intermittent Generation) Rule 2008.....	1268
11.10A.1	Definitions.....	1268
11.10A.2	Registration and reclassification of classified generating units	1269
11.10A.3	Registered generating unit	1270
11.10A.4	Classification of potential semi-scheduled generating unit	1270

11.10A.5	Participant fees	1270
11.10A.6	Timetable	1271
11.10A.7	Procedure for contribution factors for ancillary service transactions	1271
11.10A.8	Guidelines for energy conversion model information	1271
Part J	Cost Recovery of Localised Regulation Services (2007 amendments).....	1272
11.11	Rules consequent on making of the National Electricity Amendment (Cost Recovery of Localised Regulation Services) Rule 2007.....	1272
11.11.1	Definitions.....	1272
11.11.2	Action taken by NEMMCO for the purposes of Amending Rule	1272
11.12	[Deleted].....	1272
Part L	[Deleted].....	1272
Division 1	General Provisions	1276
11.14	General provisions	1276
11.14.1	Application of this Division.....	1276
11.14.2	Definitions.....	1276
11.14.3	Preservation of old regulatory regime.....	1277
11.14.4	Transfer of regulatory responsibility.....	1278
11.14.5	Special requirements with regard to ring fencing	1278
11.14.6	Additional requirements with regard to cost allocation.....	1279
11.14.7	Construction of documents	1279
Part M	Economic Regulation of Distribution Services (2007 amendments).....	1276
Division 1	General Provisions	1276
11.14	General provisions	1276
Division 2	[Deleted].....	1280
Division 3	Transitional arrangements for first distribution determination for Queensland Distribution Network Service Providers	1280
11.16	Transitional arrangements for first distribution determination for Queensland Distribution Network Service Providers	1280
Division 4	Transitional provisions of specific application to Victoria	1283
11.17	Transitional provisions of specific application to Victoria	1283
Part N	Registration of Foreign Based Persons and Corporations as Trader Class Participants (2007 amendments).....	1286
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.....	1286
11.18.1	Definitions.....	1286
11.18.2	Auction rules	1286
Part O	Process for Region Change (2007 amendments).....	1286
11.19	Rules consequent on making of the National Electricity Amendment (Process for Region Change) Rule 2007.....	1286
11.19.1	Definitions.....	1286
11.19.2	Regions Publication	1286

Part P	Integration of NEM Metrology Requirements	1287
11.20	Rules consequential on the making of the National Electricity Amendment (Integration of NEM Metrology Requirements) Rule 2008.....	1287
11.20.1	Definitions.....	1287
11.20.2	Metering installations for non-market generating units immediately prior to 30 June 2008	1287
11.20.3	First-tier load metering installations	1288
11.20.4	First-tier load metering installations in Victoria	1288
11.20.5	Minimalist Transitioning Approach in Queensland	1288
11.20.6	First-tier jurisdictional requirements publication.....	1288
11.20.7	Metrology procedure.....	1289
Part PA	Reliability Settings: Information Safety Net and Directions	1289
11.21	Rules consequential on the making of the National Electricity Amendment (NEM Reliability Settings: Information Safety Net and Directions) Rule 2008	1289
Part Q	Regulatory Test Thresholds and Information Disclosure on Network Replacements	1290
11.22	Rules consequential on the making of the National Electricity Amendment (Regulatory Test Thresholds and Information Disclosure on Network Replacements) Rule 2008.....	1290
11.22.1	Definitions.....	1290
11.22.2	Amending Rule does not affect existing regulatory test	1291
Part R	Performance Standard Compliance of Generators	1291
11.23	Rules consequential on the making of the National Electricity Amendment (Performance Standards Compliance of Generators) Rule 2008.....	1291
11.23.1	Definitions.....	1291
11.23.2	Application of rule 11.23 for compliance programs implemented immediately after the commencement of the Amending Rule	1291
11.23.3	Application of rule 11.23 for compliance programs implemented immediately prior to the commencement of the Amending Rule	1292
11.23.4	Application of rule 11.23 for compliance programs not implemented immediately prior to the commencement of the Amending Rule	1292
Part S	[Deleted]	1292
Part U	Confidentiality Arrangements concerning Information required for Power System Studies	1292
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.....	1292
11.25.1	Definitions.....	1292
11.25.2	Transitional arrangements for the provision of information	1292
Part V	WACC Reviews: Extension of Time	1294

11.26	Rule consequential on the making of the National Electricity Amendment (WACC Reviews: Extension of Time) Rule 2009.....	1294
11.26.1	Definitions.....	1294
11.26.2	Extension of time to submit a regulatory proposal for the regulatory control period 2010-2015.....	1294
Part W	National Transmission Statement	1294
11.27	Rules consequent on the making of the National Electricity Amendment (National Transmission Statement) Rule 2009.....	1294
11.27.1	Definitions.....	1294
11.27.2	Purpose.....	1295
11.27.3	Application of rule 11.27	1295
11.27.4	National Transmission Statement	1295
11.27.5	Scope and Content of National Transmission Network Development Plan.....	1297
11.27.6	Energy Adequacy Assessment Projection	1297
11.27.7	Amendment to Last Resort Power	1298
11.27.8	Actions taken prior to commencement of Rule	1298
Part X	National Transmission Planning	1298
11.28	Rules consequential on the making of the National Electricity (Australian Energy Market Operator) Amendment Rules 2009.....	1298
11.28.1	Definitions.....	1298
11.28.2	Jurisdictional planning bodies and representatives	1298
11.28.3	Criteria and guidelines published by Inter-regional Planning Committee	1299
11.28.4	Augmentation technical reports	1299
11.28.5	Last Resort Planning Power	1299
11.28.6	Inter-network power system tests	1300
11.28.7	Control and protection settings for equipment.....	1300
11.28.8	Revenue Proposals	1300
Part Y	Regulatory Investment Test for Transmission.....	1300
11.29	Rules consequent on making of the National Electricity Amendment (Regulatory Investment Test for Transmission) Rule 2009.....	1300
11.29.1	Definitions.....	1300
11.29.2	Period when Amending Rule applies to transmission investment.....	1301
Part Z	Congestion Information Resource	1302
11.30	Rules consequent on the making of the National Electricity Amendment (Congestion Information Resource) Rule 2009	1302
11.30.1	Definitions.....	1302
11.30.2	Interim congestion Information resource	1302
Part ZA	Reliability and emergency reserve trader (2009 amendments)	1304
11.31	Rules consequent on the making of the National Electricity Amendment (Improved RERT Flexibility and Short-notice Reserve Contracts) Rule 2009.....	1304
Part ZB	Early Application of Market Impact Parameters	1306

11.32	Rules consequent on the making of the National Electricity Amendment (Early Implementation of Market Impact Parameters) Rule 2010.....	1306
11.32.1	Definitions.....	1306
11.32.2	Purpose.....	1307
11.32.3	Early application of the market impact component of the service target performance incentive scheme	1307
Part ZC	Transparency of operating data	1310
11.33	Rules consequential on the making of National Electricity Amendment (Transparency of Operating Data) Rule 2010.....	1310
11.33.1	Definitions	1310
11.33.2	Spot market operations timetable	1310
Part ZD	Cost Recovery for Other Services Directions	1312
11.34	Rules consequent on making of the National Electricity Amendment (Cost Recovery for Other Services Directions) Rule 2010.....	1312
11.34.1	Definitions.....	1312
11.34.2	Period when Amending Rules applies to funding of compensation	1313
Part ZE	Payments under Feed-in Schemes and Climate Change Funds	1313
11.35	Rules consequential on the making of the National Electricity Amendment (Payments under Feed-in Schemes and Climate Change Funds) Rule 2010	1313
11.35.1	Definitions.....	1313
11.35.2	Application of recovery of jurisdictional scheme Rules	1314
11.35.3	Reporting on jurisdictional schemes	1315
11.35.4	Revocation and substitution of distribution determination for jurisdictional scheme recovery.....	1316
Part ZF	Transitional Arrangements for Ministerial Smart Meter Roll Out Determinations.....	1317
11.36	Ministerial Smart Meter Roll Out Determinations	1317
11.36.1	Definitions.....	1317
11.36.2	Meaning of relevant metering installation	1317
11.36.3	Period of application of rule to relevant metering installation	1318
11.36.4	Designation of responsible person	1318
11.36.5	[Deleted].....	1318
11.36.6	[Deleted].....	1318
Part ZG	Provision of Metering Data Services and Clarification of Existing Metrology Requirements	1318
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	1318
11.37.1	Definitions.....	1318
11.37.2	Commencement of special site or technology related conditions.....	1318
11.37.3	Initial service level procedures	1319

Part ZH	Spot Market Operations Timetable	1319
11.38	Rules consequential on the making of National Electricity Amendment (Amendments to PASA-related Rules) Rule 2010	1319
11.38.1	Definitions.....	1319
11.38.2	Spot market operations timetable.....	1320
Part ZI	DNSP Recovery of Transmission-related Charges.....	1320
11.39	Rules consequential on the making of the National Electricity Amendment (DNSP Recovery of Transmission-related Charges) Rule 2011.....	1320
11.39.1	Definitions.....	1320
11.39.2	Recovery by Victorian distribution network service providers during current regulatory control period	1321
11.39.3	Recovery by Victorian distribution network service providers for shared network augmentations.....	1322
11.39.4	Bairnsdale network support agreement.....	1322
11.39.5	Approval of pricing proposal	1322
11.39.6	Ergon Energy transitional charges	1322
11.39.7	Energex transitional charges	1322
Part ZJ	Network Support and Control Ancillary Services	1322
11.40	Rules consequential on the making of the National Electricity Amendment (Network Support and Control Ancillary Services) Rule 2011.....	1322
11.40.1	Definitions.....	1322
11.40.2	Purpose.....	1323
11.40.3	Existing NCAS contracts to continue	1323
11.40.4	Amendments to existing guidelines	1323
11.40.5	New procedures.....	1324
11.40.6	Decisions and actions taken prior to Amending Rule.....	1324
Part ZK	Application of Dual Marginal Loss Factors	1324
11.41	Rules consequential on the making of the National Electricity Amendment (Application of Dual Marginal Loss Factors) Rule 2011.....	1324
11.41.1	Definitions.....	1324
11.41.2	Amendments to loss factor methodology	1325
11.41.3	Procedure applying dual intra-regional loss factors in central dispatch and spot market transactions.....	1325
11.41.4	Publication of intra-regional loss factors	1325
Part ZL	Tasmania Tranche 5a Procedure Changes.....	1325
11.42	Rules consequential on the making of the National Electricity Amendment (Tasmania Tranche 5a Procedure Changes) Rule 2011.....	1325
11.42.1	Definitions.....	1325
11.42.2	AEMO may amend Relevant Procedures	1326
Part ZM	Application and Operation of Administered Price Periods	1326

11.43	Rules consequential on the making of National Electricity Amendment (Application and Operation of Administered Price Periods) Rule 2011	1326
11.43.1	Definitions.....	1326
11.43.2	Administered Price Cap Schedule.....	1327
Part ZO	Negative Intra-regional Settlements Residue	1327
11.45	Rules consequential on the making of National Electricity Amendment (Negative Intra-regional Settlements Residue) Rule 2012.....	1327
11.45.1	Definitions.....	1327
11.45.2	Recovery of negative settlements residue prior to consultation under the Amending Rule	1328
11.45.3	First consultation on negative intra-regional settlements residue procedure.....	1328
Part ZP	Interim Connection Charging Rules	1329
11.46	Rules consequential to the insertion of Chapter 5A by the National Electricity (National Energy Retail Law) Amendment Rule 2012.....	1329
Division 1	Preliminary.....	1329
Division 2	Jurisdictional differences	1332
Division 3	General provisions	1339
Part ZQ	NSW transitional retail support and credit support rules	1340
11.47	Rules consequential on the insertion of Chapter 6B by the National Electricity (National Energy Retail Law) Amendment Rule 2012.....	1340
Division 1	Preliminary.....	1340
Part ZR	Miscellaneous transitional rules—NERL.....	1346
11.48	Rules consequential on the making of the National Electricity (National Energy Retail Law) Amendment Rule 2012.....	1346
11.48.1	Extension of time period for AER to consider certain pass through applications	1346
Part ZS	Cost pass through arrangements for Network Service Providers	1346
11.49	Rules consequential on the making of National Electricity Amendment (Cost pass through arrangements for Network Service Providers) Rule 2012	1346
11.49.1	Definitions	1346
11.49.2	Terrorism event is a cost pass through event in the current regulatory control period	1347
11.49.3	Transitional arrangement for Powerlink.....	1347
11.49.4	Transitional arrangements for ElectraNet and Murraylink	1348
Part ZT	Distribution Network Planning and Expansion	1348

11.50	Rules consequential on the making of the National Electricity Amendment (Distribution Network Planning and Expansion) Rule 2012.....	1348
11.50.1	Interpretation.....	1348
11.50.2	Definitions.....	1348
11.50.3	Timing for first Distribution Annual Planning Report	1349
11.50.4	Contents of Distribution Annual Planning Report	1349
11.50.5	Transition from the regulatory test to the regulatory investment test for distribution.....	1350
Part ZU	New Prudential Standard and Framework in the NEM	1351
11.51	Rules consequential on the making of the National Electricity Amendment (New Prudential Standard and Framework in the NEM) Rule 2012.....	1351
11.51.1	Definitions.....	1351
11.51.2	AEMO's responsibility to develop and publish the credit limit procedures	1352
11.51.3	Transition to the framework for determining prudential settings	1352
11.51.4	Prior consultation, step, decision or action taken by AEMO	1352
Part ZV	Small Generation Aggregator Framework.....	1352
11.52	Rules consequential on the making of the National Electricity Amendment (Small Generation Aggregator Framework) Rule 2012.....	1352
11.52.1	Definitions.....	1352
11.52.2	Commencement of participant fees as well as transactions, funding and settlements under Chapter 3 for Market Small Generation Aggregators	1353
11.52.3	Participant fees for Market Small Generation Aggregators	1354
11.52.4	Ancillary service transactions, funding of compensation for directions and intervention settlements for directions for Market Small Generation Aggregators.....	1354
11.52.5	Amendments to the carbon dioxide equivalent intensity index procedures	1355
11.52.6	Amendments of the metrology procedures	1355
11.52.7	Amendments to the Market Settlement and Transfer Solution Procedures	1355
Part ZW	Economic Regulation of Network Service Providers (2012 amendments).....	1356
Division 1	Miscellaneous transitional provisions	1356
11.53	Publication of Chapter 6 Guidelines	1356
11.54	Publication of Chapter 6A Guidelines	1358
Division 2	Transitional provisions for NSW/ACT Distribution Network Service Providers.....	1359
11.55	General provisions	1359
11.56	Special provisions applying to affected DNSPs	1362
Division 3	Transitional provisions for NSW and Tasmanian Transmission Network Service Providers and Directlink	1374
11.57	General provisions	1374

11.58	Special provisions applying to affected TNSPs.....	1377
Division 4	Transitional provisions for the Victorian TNSP	1387
11.59	Special provisions applying to the Victorian TNSP	1387
Division 5	Transitional provisions for Qld/SA and Victorian Distribution Network Service Providers.....	1388
11.60	Special provisions applying to the Qld/SA and Victorian Distribution Network Service Providers	1388
Division 6	Review of past capital expenditure	1394
11.61	Definitions and application	1394
11.62	Review of past capital expenditure under Chapter 6	1395
11.63	Review of past capital expenditure under Chapter 6A	1395
Part ZX	Inter-regional Transmission Charging	1396
11.64	Rules consequent on the making of the National Electricity Amendment (Inter-regional Transmission Charging) Rule 2013	1396
11.64.1	Definitions.....	1396
11.64.2	Amendments to the pricing methodology guidelines	1396
11.64.3	Amendments to the pricing methodologies of Transmission Network Service Providers	1397
11.64.4	Commencement of clause 6A.23.3(f) for further adjustments	1398
Part ZY	Network Service Provider Expenditure Objectives.....	1398
11.65	Rules consequent on the making of the National Electricity Amendment (Network Service Provider Expenditure Objectives) Rule 2013	1398
11.65.1	Definitions.....	1398
11.65.2	Application of rule 11.65	1398
Part ZZ	Access to NMI Standing Data	1398
11.66	Rules consequent on the making of the National Electricity Amendment (Access to NMI Standing Data) Rule 2013	1398
11.66.1	Definitions.....	1398
11.66.2	Minor amendment of the Market Settlement and Transfer Solution Procedures	1399
Part ZZA	Publication of Zone Substation Data.....	1399
11.67	Rules consequent on the making of the National Electricity Amendment (Publication of Zone Substation Data) Rule 2014	1399
11.67.1	Definitions.....	1399
11.67.2	Distribution Network Service Providers' obligations to commence on the next DAPR date	1400
Part ZZB	Connecting Embedded Generators	1400
11.68	Rules consequential on the making of the National Electricity Amendment (Connecting embedded generators) Rule 2014	1400
11.68.1	Definitions.....	1400
11.68.2	Continuation of enquiries lodged	1400
Part ZZC	Customer access to information about their energy consumption.....	1400

11.69	Rules consequential on the making of the National Electricity Amendment (Customer access to information about their energy consumption) Rule 2014.....	1400
11.69.1	Definitions.....	1400
11.69.2	AEMO to develop and publish the metering data provision procedure.....	1401
Part ZZD	National Electricity Amendment (Distribution Network Pricing Arrangements) Rule 2014.....	1401
Division 1	Miscellaneous transitional provisions	1401
11.70	General provisions	1401
11.70.1	Definitions.....	1401
Division 2	Transitional provisions for NSW/ACT and Qld/SA Distribution Network Service Providers.....	1403
11.72	General provisions	1403
11.772.1	Definitions.....	1403
Division 3	Transitional provisions for Tasmanian Distribution Network Service Provider	1410
11.74	Application of former Chapter 6	1410
Division 4	Transitional provisions for Victorian Distribution Network Service Providers.....	1410
11.75	General provisions	1410
11.75.1	Definitions.....	1410
11.76	Special provisions applying to affected DNSPs	1410
11.76.1	Distribution determination and pricing proposals.....	1410
11.76.2	Tariff structure statement	1411
Part ZZE	Early Application of Network Capability Component (STPIS)	1418
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	1418
11.77.1	Definitions.....	1418
11.77.2	Purpose.....	1418
11.77.3	Earlier application of the network capability component of the service target performance incentive scheme	1418
Part ZZF	National Electricity Amendment (Governance arrangements and implementation of the reliability standard and settings) Rule 2015.....	1421
11.78	Rules consequent on the making of the National Electricity Amendment (Governance arrangements and implementation of the reliability standards and settings) Rule 2015	1421
11.78.1	Definitions.....	1421
11.78.2	Existing power system security and reliability standards	1422
11.78.3	Reliability standard and settings guidelines.....	1422
11.78.4	Reliability standard implementation guidelines.....	1422
Part ZZG	Improving demand side participation information provided to AEMO by registered participants	1425

11.79	Rules consequential on making of the National Electricity Amendment (Improving demand side participation information provided to AEMO by registered participants) Rule 2015.....	1425
11.79.1	AEMO to develop and publish the demand side participation information guidelines.....	1425
Part ZZH	Transitional Arrangements for Aligning TasNetworks' regulatory control periods	1425
11.80	National Electricity Amendment (Aligning TasNetworks' regulatory control periods) Rule 2015	1425
11.80.1	Definitions.....	1425
11.80.2	Application of rule 11.80	1426
11.80.3	Next regulatory control period	1426
11.80.4	Subsequent regulatory control period	1426
Part ZZI	System Restart Ancillary Services.....	1426
11.81	Rules consequential on the making of the National Electricity Amendment (System Restart Ancillary Services) Rule 2015.....	1426
11.81.1	Definitions.....	1426
11.81.2	System restart standard	1426
11.81.3	SRAS Guideline	1426
11.81.4	Regional Benefit Ancillary Services Procedures	1427
11.81.5	Consultation prior to the Commencement Date.....	1427
11.81.6	Existing SRAS Contract	1427
Part ZZJ	Demand management incentive scheme	1427
11.82	Rules consequential on making of the National Electricity Amendment (Demand management incentive scheme) Rule 2015.....	1427
11.82.1	Definitions.....	1427
11.82.2	AER to develop and publish the demand management incentive scheme and demand management innovation allowance mechanism	1428
Part ZZK	AEMO access to demand forecasting information	1428
11.83	Rules consequential on the making of the National Electricity Amendment (AEMO access to demand forecasting information) Rule 2015.....	1428
11.83.1	AEMO to include supporting information in NTNDP database.....	1428
Part ZZL	Compensation arrangements following application of an Administered Price Cap or Administered Floor Price	1428
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	1428
11.84.1	Definitions.....	1428
11.84.2	Compensation Guidelines.....	1429
Part ZZM	Common definitions of distribution reliability measures.....	1429

11.85	Rules consequential on the making of the National Electricity Amendment (Common definitions of distribution reliability measures) Rule 2015	1429
11.85.1	Definitions.....	1429
11.85.2	Distribution reliability measures guidelines	1429
11.85.3	Amended STPIS.....	1429
Part ZZN	Expanding competition in metering and metering related services	1429
11.86	Rules consequent on making of the National Electricity Amendment (Expanding competition in metering and related services) Rule 2015.....	1429
11.86.1	Definitions.....	1429
11.86.2	References to old Chapter 7	1430
11.86.3	References to provisions of the old Chapter 7	1430
11.86.4	References to responsible person.....	1430
11.86.5	Continued operation of old Rules until the effective date	1430
11.86.6	New and amended procedures	1430
11.86.7	Metering Coordinator for type 5 or 6 metering installation from effective date	1432
11.86.8	Distribution Ring Fencing Guidelines	1434
11.86.9	B2B Arrangements.....	1434
Part ZZO	Embedded Networks	1435
11.87	Rules consequential on the making of the National Electricity Amendment (Embedded Networks) Rule 2015.....	1435
11.87.1	Definitions.....	1435
11.87.2	Amended Procedures and NMI Standing Data Schedule	1435
11.87.3	ENM service level procedures and guide to embedded networks and list of Embedded Network Managers.....	1436
11.87.4	Exemptions under section 13 of the National Electricity Law	1436
Part ZZP	Meter Replacement Processes.....	1437
11.88	Rules consequential on the making of the National Electricity Amendment (Meter Replacement Processes) Rule 2016.....	1437
11.88.1	Definitions.....	1437
11.88.2	Amended Procedures	1437
Part ZZQ	Energy Adequacy Assessment Projection.....	1438
11.89	Rules consequential to the National Electricity Amendment (Energy Adequacy Assessment Projection timeframes) Rule 2016.....	1438
11.89.1	Amended guideline and timetable.....	1438
Appendix 1	[Deleted]	1438