

National Electricity Rules Version 134

Historical Information

This version of the National Electricity Rules was current from 12 March 2020 to 18 March 2020.

National Electricity Rules

Version 134

Status Information

This is the latest electronically available version of the National Electricity Rules as at 12 March 2020.

This consolidated version of the National Electricity Rules was last updated on 12 March 2020 as a result of the commencement of the following amendments:

Schedule 2 of the National Electricity Amendment (Victorian jurisdictional derogation - RERT contracting) Rule 2020 No. 4

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

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

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

Application of the National Energy Customer Framework related Rule

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

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

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

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

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

Provisions in force

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

Schedule 1 of the National Electricity Amendment (Minor changes) Rule 2020 No. 3 will commence operation on 19 March 2020.

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

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

Schedule 1 of the National Electricity Amendment (Victorian jurisdictional derogation - RERT contracting) Rule 2020 No. 4 will commence operation on 16 April 2020.

Schedule 1 of the National Electricity Amendment (Improving transparency and extending duration of MT PASA) Rule 2020 No. 1 will commence on 20 May 2020.

Schedule 2 of the National Electricity Amendment (Improving transparency and extending duration of MT PASA) Rule 2020 No. 1 will commence on 20 August 2020.

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

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

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

Schedule 2 of the National Electricity Amendment (Five minute settlement and global settlement implementation amendments) Rule 2019 No. 7 will commence operation on 1 July 2021, immediately after the commencement of Schedules 1 to 6 of the National Electricity Amendment (Five Minute Settlement) Rule 2017 No. 15.

Schedule 2 the National Electricity Amendment (Application of the regional reference node test to the Reliability and Emergency Reserve Trader) Rule 2019 No. 11 will commence operation on 1 July 2021 immediately after the commencement of Schedule 2 of the National Electricity Amendment (Intervention compensation and settlement processes) Rule 2019 No 5.

Schedule 2 of the National Electricity Amendment (Application of compensation in relation to AEMO interventions) Rule 2019 No. 13 will commence operation on 1 July 2021 immediately after the commencement of Schedule 2 of the National Electricity Amendment (Application of the regional reference node test to the Reliability and Emergency Reserve Trader) Rule 2019 No. 11.

Schedule 2 of the National Electricity Amendment (Transmission loss factors) Rule 2020 No. 2 will commence operation on 1 July 2021, immediately after commencement of Schedule 2 of the National Electricity Amendment (Five minute settlement and global settlement implementation amendments) Rule 2019 No. 7.

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

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

Schedule 2 of the National Electricity Amendment (Minor changes) Rule 2020 No. 3 will commence operation on 6 February 2022, immediately after the commencement of Schedules 3 to 5 of the National Electricity Amendment (Five minute settlement and global settlement implementation amendments) Rule 2019 No. 7.

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	6
1.8.3	Counting of days.....	7
1.8.4	Reference to addressee	7
1.9	Retention of Records and Documents.....	7
1.10	[Deleted]	7
1.11	AEMO Rule Funds	7
2.	Registered Participants and Registration	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.....	16
2.2.6	Ancillary services generating unit	17
2.2.7	Semi-Scheduled Generator	18
2.3	Customer	20
2.3.1	Registration as a Customer	20
2.3.2	First-Tier Customer	21
2.3.3	Second-Tier Customer	21
2.3.4	Market Customer	21

2.3.5	Ancillary services load	22
2.3A	Small Generation Aggregator	24
2.3A.1	Registration	24
2.3AA	Market Ancillary Service Provider	25
2.3AA.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
2.5.1A	Dedicated Connection Asset Service Provider	29
2.5.2	Market Network Service	30
2.5.3	Scheduled Network Service	31
2.5A	Trader	32
2.5B	Reallocator	33
2.6	Special Participant	33
2.7	Intention to Commence Activities or Functions	33
2.8	Registered Participant Rights and Obligations	34
2.8.1	Rights and obligations	34
2.9	Application to be Registered as a Registered Participant	34
2.9.1	Applications for Registration	34
2.9.2	Registration as a Registered Participant	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	41
2.10.3	Liability after cessation	41
2.11	Participant Fees	41
2.11.1A	Application	41
2.11.1	Development of Participant fee structure	41
2.11.2	Payment of Participant fees	44
2.11.3	Budgeted revenue requirements	44
2.12	Interpretation of References to Various Registered Participants	45
2A.	Regional Structure	51

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

2A.10.2	Application of Part 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	63
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.....	71
3.2.3	Power system operations	72
3.2.4	Non-market ancillary services function.....	72
3.2.5	[Deleted]	72
3.2.6	Settlements.....	72
3.3	Prudential Requirements	72
3.3.1	Market Participant criteria	72
3.3.2	Credit support	72
3.3.3	Acceptable credit criteria	73
3.3.4	Acceptable credit rating	74
3.3.4A	Prudential standard	74
3.3.5	Amount of credit support.....	74
3.3.6	Changes to credit support	74
3.3.7	Drawings on credit support.....	75
3.3.8	Credit limit procedures and prudential settings	75
3.3.8A	Security Deposits	77
3.3.9	Outstandings	77
3.3.10	Trading limit	78
3.3.11	Call notices	78
3.3.12	Typical accrual.....	79
3.3.13	Response to Call Notices	79
3.3.13A	Application of monies in the security deposit fund	80
3.3.14	Potential value of a transaction	81
3.3.15	Trading margin	82

3.3.16	Limitation on entry of transactions	82
3.3.17	Scheduled prices	82
3.3.18	Additional credit support	83
3.3.19	Consideration of other Market Participant transactions	83
3.4	Spot Market.....	83
3.4.1	Establishment of spot market.....	83
3.4.2	Trading day and trading interval.....	84
3.4.3	Spot market operations timetable	84
3.5	Regions.....	84
3.5.1	[Deleted]	84
3.5.2	[Deleted]	84
3.5.3	[Deleted]	84
3.5.4	[Deleted]	84
3.5.5	[Deleted]	84
3.5.6	[Deleted]	84
3.6	Network Losses and Constraints.....	84
3.6.1	Inter-regional losses	84
3.6.2	Intra-regional losses	86
3.6.2A	Load and generation data used to determine inter-regional loss factor equations and intra-regional loss factors	89
3.6.3	Distribution losses	90
3.6.4	Network constraints	95
3.6.5	Settlements residue due to network losses and constraints	95
3.7	Projected Assessment of System Adequacy.....	97
3.7.1	Administration of PASA.....	97
3.7.2	Medium term PASA	98
3.7.3	Short term PASA	100
3.7A	Congestion information resource	103
3.7B	Unconstrained intermittent generation forecast.....	105
3.7C	Energy Adequacy Assessment Projection	106
3.7D	Demand side participation information.....	109
3.7E	Register of DER information	111
3.7F	Generation information page.....	115
3.8	Central Dispatch and Spot Market Operation	116
3.8.1	Central Dispatch	116
3.8.2	Participation in central dispatch.....	118
3.8.3	Bid and offer aggregation guidelines.....	119
3.8.3A	Ramp rates	120
3.8.4	Notification of scheduled capacity	122
3.8.5	Submission timing	123
3.8.6	Generating unit offers for dispatch	124
3.8.6A	Scheduled network service offers for dispatch	126
3.8.7	Bids for scheduled load	127
3.8.7A	Market ancillary services offers.....	129
3.8.8	Validation of dispatch bids and offers	130

3.8.9	Default offers and bids.....	131
3.8.10	Network constraints	131
3.8.11	Ancillary services constraints	133
3.8.12	System scheduled reserve constraints.....	133
3.8.13	Notification of constraints	133
3.8.14	Dispatch under conditions of supply scarcity	133
3.8.15	[Deleted]	134
3.8.16	Equal priced dispatch bids and dispatch offers.....	134
3.8.17	Self-commitment	134
3.8.18	Self-decommitment.....	135
3.8.19	Dispatch inflexibilities	135
3.8.20	Pre-dispatch schedule	138
3.8.21	On-line dispatch process.....	140
3.8.22	Rebidding.....	141
3.8.22A	Offers, bids and rebids must not be false or misleading.....	143
3.8.23	Failure to conform to dispatch instructions	144
3.8.24	Scheduling errors.....	146
3.9	Price Determination.....	146
3.9.1	Principles applicable to spot price determination	146
3.9.2	Determination of spot prices.....	148
3.9.2A	Determination of ancillary services prices.....	149
3.9.2B	Pricing where AEMO determines a manifestly incorrect input.....	150
3.9.3	Pricing in the event of intervention by AEMO.....	151
3.9.3A	Reliability standard and settings review	153
3.9.3B	Reliability standard and settings review report	155
3.9.3C	Reliability standard.....	155
3.9.3D	Implementation of the reliability standard.....	156
3.9.4	Market Price Cap	156
3.9.5	Application of the Market Price Cap	157
3.9.6	Market Floor Price.....	158
3.9.6A	Application of the Market Floor Price.....	158
3.9.7	Pricing for constrained-on scheduled generating units.....	158
3.10	[Deleted].....	159
3.11	Ancillary Services	159
3.11.1	Introduction.....	159
3.11.2	Market ancillary services.....	160
3.11.2A	AER reporting on market ancillary services markets	161
3.11.3	Acquisition of Network Support and Control Ancillary Service.....	162
3.11.4	Guidelines and objectives for acquisition of network support and control ancillary services	162
3.11.5	Tender process for network support and control ancillary services	163
3.11.6	Dispatch of network support and control ancillary services by AEMO.....	165
3.11.7	Guidelines and objectives for acquisition of system restart ancillary services by AEMO.....	166
3.11.8	Determination of electrical sub-network boundaries.....	167
3.11.9	Acquisition of system restart ancillary services by AEMO.....	167
3.11.10	Reporting	168
3.12	Market Intervention by AEMO	168

3.12.1	Intervention settlement timetable	168
3.12.2	Affected Participants and Market Customers entitlements to compensation in relation to AEMO intervention.....	169
3.12.3	Role of the Independent Expert in calculating payments in relation to intervention by AEMO and market suspension pricing schedule periods.....	173
3.12A	Mandatory restrictions.....	175
3.12A.1	Restriction offers	175
3.12A.2	Mandatory restrictions schedule	177
3.12A.3	Acquisition of capacity	177
3.12A.4	Rebid of capacity under restriction offers.....	178
3.12A.5	Dispatch of restriction offers	178
3.12A.6	Pricing during a restriction price trading interval.....	178
3.12A.7	Determination of funding restriction shortfalls	179
3.12A.8	Cancellation of a mandatory restriction period.....	183
3.12A.9	Review by AEMC.....	183
3.13	Market Information.....	184
3.13.1	Provision of information.....	184
3.13.2	Systems and procedures.....	184
3.13.3	Standing data	185
3.13.3AA	Standing data: Project developers.....	191
3.13.3A	Statement of opportunities	191
3.13.4	Spot market.....	193
3.13.4A	Market ancillary services.....	197
3.13.5	Ancillary services contracting by AEMO.....	198
3.13.5A	Settlements residue auctions.....	198
3.13.6	[Deleted]	198
3.13.6A	Report by AEMO.....	198
3.13.7	Monitoring of significant variation between forecast and actual prices by AER.....	199
3.13.8	Public information	200
3.13.9	[Deleted]	201
3.13.10	Market auditor	201
3.13.11	[Deleted]	201
3.13.12	NMI Standing Data.....	201
3.13.12A	NMI Standing Data Schedule	205
3.13.13	Inter-network tests	206
3.13.14	Carbon Dioxide Equivalent Intensity Index	206
3.14	Administered Price Cap and Market Suspension.....	209
3.14.1	Cumulative Price Threshold and Administered Price Cap	209
3.14.2	Application of Administered Price Cap.....	210
3.14.3	Conditions for suspension of the spot market.....	211
3.14.4	Declaration of market suspension.....	213
3.14.5	Pricing during market suspension.....	213
3.14.5A	Payment of compensation due to market suspension pricing schedule periods.....	215
3.14.5B	Claims for additional compensation due to market suspension pricing schedule periods	218

3.14.6	Compensation due to the application of an administered price cap or administered floor price.....	219
3.15	Settlements.....	224
3.15.1	Settlements management by AEMO	224
3.15.2	Electronic funds transfer.....	224
3.15.3	Connection point and virtual transmission node responsibility.....	224
3.15.4	Adjusted energy amounts connection points	225
3.15.5	Adjusted energy - transmission network connection points	225
3.15.5A	Adjusted energy - virtual transmission nodes.....	225
3.15.6	Spot market transactions.....	226
3.15.6A	Ancillary service transactions.....	227
3.15.7	Payment to Directed Participants.....	238
3.15.7A	Payment to Directed Participants for services other than energy and market ancillary services	240
3.15.7B	Claim for additional compensation by Directed Participants	243
3.15.8	Funding of Compensation for directions	245
3.15.8A	Funding of compensation for market suspension pricing schedule periods.....	249
3.15.9	Reserve settlements	251
3.15.10	Administered price cap or administered floor price compensation payments	252
3.15.10A	Goods and services tax	253
3.15.10B	Restriction contract amounts	254
3.15.10C	Intervention and Market Suspension Pricing Schedule Period Settlements.....	255
3.15.11	Reallocation transactions	259
3.15.11A	Reallocation procedures.....	260
3.15.12	Settlement amount	261
3.15.13	Payment of settlement amount.....	261
3.15.14	Preliminary statements.....	261
3.15.15	Final statements	262
3.15.15A	Use of estimated settlement amounts by AEMO.....	262
3.15.16	Payment by market participants.....	262
3.15.17	Payment to market participants	263
3.15.18	Disputes	263
3.15.19	Revised Statements and Adjustments	263
3.15.20	Payment of adjustments.....	265
3.15.21	Default procedure	265
3.15.22	Maximum total payment in respect of a billing period.....	270
3.15.23	Maximum total payment in respect of a financial year	271
3.15.24	Compensation for reductions under clause 3.15.23	272
3.15.25	Interest on overdue amounts	272
3.16	Participant compensation fund	273
3.16.1	Establishment of Participant compensation fund	273
3.16.2	Dispute resolution panel to determine compensation.....	274
3.17	[Deleted].....	275
3.18	Settlements Residue Auctions	275
3.18.1	Settlements residue concepts	275
3.18.2	Auctions and eligible persons	276

3.18.3	Auction rules.....	277
3.18.3A	Secondary trading of SRD units	278
3.18.4	Proceeds and fees.....	278
3.18.4A	Secondary trading proceeds and margin.....	280
3.18.5	Settlement residue committee.....	280
3.19	Market Management Systems Access Procedures.....	282
3.20	Reliability and Emergency Reserve Trader	282
3.20.1	[Deleted]	282
3.20.2	Reliability and emergency reserve trader	282
3.20.3	Reserve contracts	283
3.20.4	Dispatch pricing methodology for unscheduled reserve contracts	284
3.20.5	AEMO's risk management and accounts relating to the reliability safety net.....	284
3.20.6	Reporting on RERT by AEMO	285
3.20.7	AEMO's exercise of the RERT	287
3.20.8	RERT Guidelines.....	288
3.20.9	[Deleted]	289
Schedule 3.1	Bid and Offer Validation Data	289
Schedule 3.2	[Deleted].....	293
Schedule 3.3	[Deleted].....	293
4.	Power System Security	297
4.1	Introduction.....	297
4.1.1	Purpose	297
4.2	Definitions and Principles	297
4.2.1	[Deleted]	297
4.2.2	Satisfactory Operating State	297
4.2.3	Credible and non-credible contingency events and protected events	298
4.2.3A	Re-classifying contingency events	299
4.2.3B	Criteria for re-classifying contingency events	300
4.2.4	Secure operating state and power system security.....	301
4.2.5	Technical envelope	301
4.2.6	General principles for maintaining power system security	302
4.2.7	Reliable Operating State	303
4.2.8	Time for undertaking action	303
4.3	Power System Security Responsibilities and Obligations	303
4.3.1	Responsibility of AEMO for power system security.....	303
4.3.2	System security	305
4.3.3	The role of System Operators	308
4.3.4	Network Service Providers	309
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	315
4.4.4	Instructions to enable inertia network services.....	316

4.4.5	Instructions to enable system strength services	317
4.5	Control of Power System Voltage	318
4.5.1	Power system voltage control	318
4.5.2	Reactive power reserve requirements	319
4.5.3	Audit and testing	319
4.6	Protection of Power System Equipment	319
4.6.1	Power system fault levels	319
4.6.2	Power system protection co-ordination	320
4.6.3	Audit and testing	320
4.6.4	Short-term thermal ratings of power system	320
4.6.5	Partial outage of power protection systems	320
4.6.6	System strength impact assessment guidelines	321
4.7	Power System Stability Co-ordination	322
4.7.1	Stability analysis co-ordination	322
4.7.2	Audit and testing	323
4.8	Power System Security Operations	323
4.8.1	Registered Participants' advice	323
4.8.2	Protection or control system abnormality	323
4.8.3	AEMO's advice on power system emergency conditions	323
4.8.4	Declaration of conditions	324
4.8.4A	Reserve level declaration guidelines	324
4.8.4B	Lack of reserve framework reporting	325
4.8.5	Managing declarations of conditions	325
4.8.5A	Determination of the latest time for AEMO intervention	326
4.8.5B	Notifications of last time of AEMO intervention	327
4.8.6	[Deleted]	327
4.8.7	Managing a power system contingency event	327
4.8.8	[Deleted]	328
4.8.9	Power to issue directions and clause 4.8.9 instructions	328
4.8.9A	System security directions	329
4.8.10	Disconnection of generating units and market network services	330
4.8.11	[Deleted]	330
4.8.12	System restart plan and local black system procedures	330
4.8.13	[Deleted]	332
4.8.14	Power system restoration	332
4.8.15	Review of operating incidents	332
4.8.16	AEMO reporting on frequency performance	334
4.9	Power System Security Related Market Operations	335
4.9.1	Load forecasting	335
4.9.2	Instructions to Scheduled Generators and Semi-Scheduled Generators	336
4.9.2A	Dispatch Instructions to Scheduled Network Service Providers	337
4.9.3	Instructions to Registered Participants	337
4.9.3A	Ancillary services instructions	338
4.9.3B	Compliance with dispatch instructions	338
4.9.4	Dispatch related limitations on Scheduled Generators and Semi- Scheduled Generators	339

4.9.4A	Dispatch related limitations on Scheduled Network Service Providers	340
4.9.5	Form of dispatch instructions	340
4.9.6	Commitment of scheduled generating units	341
4.9.7	De-commitment, or output reduction, by Scheduled Generators	342
4.9.8	General responsibilities of Registered Participants	343
4.9.9	Scheduled Generator plant changes	344
4.9.9A	Scheduled Network Service Provider plant changes	344
4.9.9B	Ancillary service plant changes	344
4.9.9C	Inertia network service availability changes	345
4.9.9D	System strength service availability changes	345
4.10	Power System Operating Procedures	345
4.10.1	Power system operating procedures	345
4.10.2	Transmission network operations	346
4.10.3	Operating interaction with distribution networks	347
4.10.4	Switching of a Distributor's high voltage networks	347
4.10.5	Switching of reactive power facilities	347
4.10.6	Automatic reclose	348
4.10.7	Inspection of facilities by AEMO	348
4.11	Power System Security Support	348
4.11.1	Remote control and monitoring devices	348
4.11.2	Operational control and indication communication facilities	349
4.11.3	Power system voice/data operational communication facilities	350
4.11.4	Records of power system operational communication	351
4.11.5	Agent communications	352
4.12	Nomenclature Standards.....	353
4.13	[Deleted]	354
4.14	Acceptance of Performance Standards.....	354
4.15	Compliance with Performance Standards.....	355
4.16	Transitioning arrangements for establishment of performance standards	359
4.16.1	Definitions	359
4.16.2	Exclusions	361
4.16.3	Notification and acceptance of performance standards	361
4.16.4	Actual capability	366
4.16.5	Criteria for, and negotiation of, performance standards	366
4.16.6	Consultation with and assistance by Network Service Providers	369
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	371
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

4A	Retailer Reliability Obligation	377
Part A	Introduction.....	377
4A.A	Definitions.....	377
4A.A.1	Definitions	377
4A.A.2	Forecast reliability gap materiality	380
4A.A.3	One-in-two year peak demand forecast	380
4A.A.4	Peak demand	380
Part B	Reliability Forecasts	381
4A.B.1	Reliability forecast.....	381
4A.B.2	Reliability forecast components	381
4A.B.3	Supporting materials	382
4A.B.4	Reliability Forecast Guidelines.....	382
4A.B.5	AER Forecasting Best Practice Guidelines	383
Part C	Reliability Instruments.....	384
Division 1	AEMO request for a reliability instrument.....	384
4A.C.1	AEMO request for a reliability instrument	384
4A.C.2	AEMO request for a T-3 reliability instrument	384
4A.C.3	AEMO request for a T-1 reliability instrument	384
4A.C.4	Related T-3 reliability instrument.....	385
4A.C.5	Notification of a closed forecast reliability gap at T-1	385
4A.C.6	Corrections to a request	385
4A.C.7	Withdrawing a request	386
Division 2	AER making of a reliability instrument	386
4A.C.8	AER making of a reliability instrument.....	386
4A.C.9	When a decision by the AER must be made.....	386
4A.C.10	T-1 reliability instrument components.....	387
4A.C.11	AER decision making criteria.....	387
4A.C.12	Reliability Instrument Guidelines	387
Part D	Liable Entities	388
4A.D.1	Application	388
4A.D.2	Liable entities.....	388
4A.D.3	New entrants	388
4A.D.4	Application to register as large opt-in customer	389
4A.D.5	Application to register as prescribed opt-in customer	390
4A.D.6	Thresholds.....	390
4A.D.7	Opt-in cut-off day	391
4A.D.8	AER approval of applications.....	391
4A.D.9	AER opt-in register.....	391
4A.D.10	Changes to register	392
4A.D.11	AER register taken to be correct.....	392
4A.D.12	AEMO Opt-In Procedures	393
4A.D.13	AER Opt-In Guidelines	393
Part E	Qualifying Contracts and Net Contract Position.....	394
Division 1	Key concepts.....	394
4A.E.1	Qualifying contracts.....	394
4A.E.2	Net contract position.....	395

Division 2	Firmness methodologies	395
4A.E.3	Firmness methodology	395
4A.E.4	Types of methodologies.....	396
4A.E.5	Approval of a bespoke firmness methodology	396
Division 3	Reporting net contract position	397
4A.E.6	Reporting requirements	397
Division 4	Adjustment of net contract position.....	398
4A.E.7	Adjustment of net contract position.....	398
Division 5	Contracts and Firmness Guidelines	399
4A.E.8	Contracts and Firmness Guidelines	399
Part F	Compliance with the Retailer Reliability Obligation	400
Division 1	Application	400
4A.F.1	Application	400
Division 2	Key concepts.....	400
4A.F.2	Compliance TI	400
4A.F.3	Share of one-in-two year peak demand forecast.....	400
Division 3	AEMO notifications to AER.....	402
4A.F.4	AEMO notification of compliance trading intervals	402
4A.F.5	AEMO compliance report.....	402
Division 4	AER assessment of compliance.....	402
4A.F.6	Reliability Compliance Procedures and Guidelines	402
4A.F.7	AER assessment.....	403
4A.F.8	AER notification to AEMO for PoLR costs	403
Division 5	Miscellaneous	404
4A.F.9	Demand response information	404
4A.F.10	PoLR cost procedures	404
Part G	Market Liquidity Obligation	404
Division 1	Preliminary.....	404
4A.G.1	Overview of Part G	404
4A.G.2	Purpose and application.....	405
Division 2	Market Generators and trading right holders	405
4A.G.3	Market Generators and generator capacity	405
4A.G.4	Trading rights and trading right holders	405
Division 3	Trading groups.....	406
4A.G.5	Trading group	406
4A.G.6	Controlling entity.....	406
Division 4	Traced capacity and trading group capacity	408
4A.G.7	Traced capacity	408
4A.G.8	Tracing capacity to trading groups	408
4A.G.9	Trading group capacity	409
Division 5	MLO generators and MLO groups.....	409
4A.G.10	MLO group	409
4A.G.11	MLO generator	409

Division 6	Market Generator information	409
4A.G.12	MLO register	409
4A.G.13	Market Generator information	411
4A.G.14	Applications to the AER	412
Division 7	Liquidity period	412
4A.G.15	Notices prior to a liquidity period	412
4A.G.16	Duration of liquidity period	413
Division 8	Liquidity obligation	413
4A.G.17	Liquidity obligation	413
4A.G.18	Performing a liquidity obligation	413
4A.G.19	Volume limits	415
4A.G.20	Appointment of MLO nominee	416
4A.G.21	Exemptions	416
Division 9	MLO products and MLO exchange	417
4A.G.22	MLO products	417
4A.G.23	MLO exchange	418
Division 10	Miscellaneous	419
4A.G.24	MLO compliance and reporting	419
4A.G.25	MLO Guidelines	419
Part H	Voluntary Book Build.....	420
4A.H.1	Purpose and application	420
4A.H.2	Book Build Procedures	420
4A.H.3	Commencement of voluntary book build	421
4A.H.4	Participation in the voluntary book build	421
4A.H.5	Book build fees	422
4A.H.6	Reporting	422
5.	Network Connection Access, Planning and Expansion	425
Part A	Introduction.....	425
5.1	Introduction to Chapter 5.....	425
5.1.1	Structure of this Chapter	425
5.1.2	Overview of Part B and connection and access under the Rules	425
Part B	Network Connection and Access	428
5.1A	Introduction to Part B.....	428
5.1A.1	Purpose and Application	428
5.1A.2	Principles	430
5.2	Obligations.....	431
5.2.1	Obligations of Registered Participants	431
5.2.2	Connection agreements.....	431
5.2.3	Obligations of network service providers	432
5.2.3A	Obligations of Market Network Service Providers	437
5.2.4	Obligations of customers	437
5.2.5	Obligations of Generators	439
5.2.6	Obligations of AEMO	440
5.2.6A	AEMO review of technical requirements for connection	440

5.2.7	Obligations of Dedicated Connection Asset Service Providers	441
5.2A	Transmission network connection and access.....	442
5.2A.1	Application	442
5.2A.2	Relevant assets.....	442
5.2A.3	Connection and access to transmission services.....	443
5.2A.4	Transmission services related to connection	444
5.2A.5	Publication and provision of information	448
5.2A.6	Negotiating principles.....	448
5.2A.7	Third party IUSAs	449
5.2A.8	Access framework for large dedicated connection assets.....	450
5.3	Establishing or Modifying Connection	452
5.3.1	Process and procedures.....	452
5.3.1A	Application of rule to connection of embedded generating units.....	452
5.3.2	Connection enquiry.....	453
5.3.3	Response to connection enquiry	454
5.3.4	Application for connection	457
5.3.4A	Negotiated access standards	459
5.3.4B	System strength remediation for new connections	462
5.3.5	Preparation of offer to connect	465
5.3.6	Offer to connect.....	466
5.3.7	Finalisation of connection agreements and network operating agreements.....	469
5.3.8	Provision and use of information.....	471
5.3.9	Procedure to be followed by a Generator proposing to alter a generating system	472
5.3.10	Acceptance of performance standards for generating plant that is altered	474
5.3.11	Notification of request to change normal voltage.....	475
5.3A	Establishing or modifying connection - embedded generation.....	475
5.3A.1	Application of rule 5.3A	475
5.3A.2	Definitions and miscellaneous	476
5.3A.3	Publication of Information.....	476
5.3A.4	Fees	478
5.3A.5	Enquiry	479
5.3A.6	Response to Enquiry	480
5.3A.7	Preliminary Response to Enquiry	480
5.3A.8	Detailed Response to Enquiry	481
5.3A.9	Application for connection	482
5.3A.10	Preparation of offer to connect	483
5.3A.11	Technical Dispute	484
5.3A.12	Network support payments and functions	484
5.3AA	Access arrangements relating to Distribution Networks	484
5.3B	Application for connection to declared shared network.....	488
5.4	Independent Engineer	488
5.4.1	Application	488
5.4.2	Establishment of a pool	489
5.4.3	Initiating the Independent Engineer process.....	489
5.4.4	Referral to the Adviser.....	490

5.4.5	Proceedings and decisions of the Independent Engineer	490
5.4.6	Costs of the Independent Engineer	491
5.4A	[Deleted]	491
5.4AA	[Deleted]	491
5.5	Commercial arbitration for prescribed and negotiated transmission services and large DCA services	491
5.5.1	Application	491
5.5.2	Notification of dispute	492
5.5.3	Appointment of commercial arbitrator	492
5.5.4	Procedures of commercial arbitrator	493
5.5.5	Powers of commercial arbitrator in determining disputes	494
5.5.6	Determination of disputes	495
5.5.7	Costs of dispute	496
5.5.8	Enforcement of agreement or determination and requirement for reasons	496
5.5.9	Miscellaneous	496
5.5A	[Deleted]	497
Part C	Post-Connection Agreement matters	497
5.6	Design of Connected Equipment	497
5.6.1	Application	497
5.6.2	Advice of inconsistencies	497
5.6.3	Additional information	498
5.6.4	Advice on possible non-compliance	498
5.6A	[Deleted]	498
5.7	Inspection and Testing	498
5.7.1	Right of entry and inspection	498
5.7.2	Right of testing	500
5.7.3	Tests to demonstrate compliance with connection requirements for generators	501
5.7.3A	Tests to demonstrate compliance with system strength remediation schemes	503
5.7.4	Routine testing of protection equipment	504
5.7.5	Testing by Registered Participants of their own plant requiring changes to normal operation	505
5.7.6	Tests of generating units requiring changes to normal operation	507
5.7.7	Inter-network power system tests	508
5.7.8	Contestable IUSA components	515
5.8	Commissioning	515
5.8.1	Requirement to inspect and test equipment	515
5.8.2	Co-ordination during commissioning	515
5.8.3	Control and protection settings for equipment	516
5.8.4	Commissioning program	516
5.8.5	Commissioning tests	517
5.9	Disconnection and Reconnection	518
5.9.1	Voluntary disconnection	518
5.9.2	Decommissioning procedures	518

5.9.3	Involuntary disconnection	519
5.9.4	Direction to disconnect	519
5.9.4A	Notification of disconnection	520
5.9.5	Disconnection during an emergency	520
5.9.6	Obligation to reconnect.....	521
Part D	Network Planning and Expansion.....	522
5.10	Network development generally	522
5.10.1	Content of Part D	522
5.10.2	Definitions	523
5.10.3	Interpretation.....	526
5.11	Forecasts of connection to transmission network and identification of system limitations.....	526
5.11.1	Forecasts for connection to transmission network.....	526
5.11.2	Identification of network limitations	527
5.12	Transmission annual planning process.....	527
5.12.1	Transmission annual planning review	527
5.12.2	Transmission Annual Planning Report.....	528
5.13	Distribution annual planning process.....	532
5.13.1	Distribution annual planning review	532
5.13.2	Distribution Annual Planning Report	534
5.13.3	Distribution system limitation template.....	534
5.13A	Distribution zone substation information.....	535
5.14	Joint planning.....	538
5.14.1	Joint planning obligations of Transmission Network Service Providers and Distribution Network Service Providers.....	538
5.14.2	Joint planning obligations of Distribution Network Service Providers and Distribution Network Service Providers.....	539
5.14.3	Joint planning obligations of Transmission Network Service Providers	539
5.14A	Joint planning in relation to retirement or de-ratings of network assets forming part of the Declared Shared Network	540
5.14B	TAPR Guidelines	540
5.14B.1	Development of TAPR Guidelines	540
5.15	Regulatory investment tests generally	540
5.15.1	Interested parties	540
5.15.2	Identification of a credible option.....	540
5.15.3	Review of costs thresholds	541
5.15.4	Costs determinations.....	543
5.16	Regulatory investment test for transmission.....	544
5.16.1	Principles	544
5.16.2	Regulatory investment test for transmission application guidelines	546
5.16.3	Investments subject to the regulatory investment test for transmission	548
5.16.4	Regulatory investment test for transmission procedures	550

5.16.5	Disputes in relation to application of regulatory investment test for transmission	556
5.16.6	Determination that preferred option satisfies the regulatory investment test for transmission	558
5.17	Regulatory investment test for distribution	559
5.17.1	Principles	559
5.17.2	Regulatory investment test for distribution application guidelines	561
5.17.3	Projects subject to the regulatory investment test for distribution	562
5.17.4	Regulatory investment test for distribution procedures	564
5.17.5	Disputes in relation to application of regulatory investment test for distribution	568
5.18	Construction of funded augmentations	570
5.18A	Large generator connections	571
5.18A.1	Definitions	571
5.18A.2	Register of large generator connections	571
5.18A.3	Impact assessment of large generator connections	572
5.18B	Completed embedded generation projects	573
5.18B.1	Definitions	573
5.18B.2	Register of completed embedded generation projects	573
5.19	SENE Design and Costing Study	574
5.19.1	Definitions	574
5.19.2	Interpretation	575
5.19.3	Request for SENE Design and Costing Study	575
5.19.4	Content of SENE Design and Costing Study	576
5.19.5	Co-operation of other Network Service Providers	577
5.19.6	Publication of SENE Design and Costing Study report	577
5.19.7	Provision and use of information	577
5.20	National transmission planning	578
5.20.1	Preliminary consultation	578
5.20.2	Publication of NTNDP	579
5.20.3	Development strategies for national transmission flow paths	581
5.20.4	NTNDP database	582
5.20.5	Jurisdictional planning bodies and jurisdictional planning representatives	583
5.20.6	NTP Functions	583
5.20.7	Inertia and system strength requirements methodologies	583
5.20A	Frequency management planning	584
5.20A.1	Power system frequency risk review	584
5.20A.2	Power system frequency risk review process	585
5.20A.3	Power system frequency risk review report	586
5.20A.4	Request for protected event declaration	586
5.20A.5	Request to revoke a protected event declaration	587
5.20B	Inertia sub-networks and requirements	587
5.20B.1	Boundaries of inertia sub-networks	587
5.20B.2	Inertia requirements	588
5.20B.3	Inertia shortfalls	588
5.20B.4	Inertia Service Provider to make available inertia services	589

5.20B.5	Inertia support activities	591
5.20B.6	Inertia network services information and approvals.....	593
5.20C	System strength requirements	594
5.20C.1	System strength requirements	594
5.20C.2	Fault level shortfalls	595
5.20C.3	System Strength Service Provider to make available system strength services.....	596
5.20C.4	System strength services information and approvals.....	597
5.21	AEMO's obligation to publish information and guidelines and provide advice	599
5.22	Last resort planning power	601
Schedule 5.1a	System standards	604
S5.1a.1	Purpose	604
S5.1a.2	Frequency	604
S5.1a.3	System stability.....	604
S5.1a.4	Power frequency voltage	605
S5.1a.5	Voltage fluctuations.....	605
S5.1a.6	Voltage waveform distortion	606
S5.1a.7	Voltage unbalance	606
S5.1a.8	Fault clearance times	607
Schedule 5.1	Network Performance Requirements to be Provided or Co- ordinated by Network Service Providers	608
S5.1.1	Introduction.....	608
S5.1.2	Network reliability	609
S5.1.2.1	Credible contingency events	609
S5.1.2.2	Network service within a region	610
S5.1.2.3	Network service between regions	611
S5.1.3	Frequency variations.....	611
S5.1.4	Magnitude of power frequency voltage	612
S5.1.5	Voltage fluctuations.....	613
S5.1.6	Voltage harmonic or voltage notching distortion	614
S5.1.7	Voltage unbalance	615
S5.1.8	Stability	615
S5.1.9	Protection systems and fault clearance times	617
S5.1.10	Load, generation and network control facilities	619
S5.1.10.1	General.....	619
S5.1.10.1a	Emergency frequency control schemes	620
S5.1.10.2	Distribution Network Service Providers.....	621
S5.1.10.3	Transmission Network Service Providers	622
S5.1.11	Automatic reclosure of transmission or distribution lines	622
S5.1.12	Rating of transmission lines and equipment.....	622
S5.1.13	Information to be provided	623
Schedule 5.2	Conditions for Connection of Generators	623
S5.2.1	Outline of requirements	623
S5.2.2	Application of Settings	624
S5.2.3	Technical matters to be coordinated	625
S5.2.4	Provision of information.....	625
S5.2.5	Technical requirements.....	628

S5.2.5.1	Reactive power capability.....	628
S5.2.5.2	Quality of electricity generated.....	629
S5.2.5.3	Generating system response to frequency disturbances	630
S5.2.5.4	Generating system response to voltage disturbances.....	633
S5.2.5.5	Generating system response to disturbances following contingency events	635
S5.2.5.6	Quality of electricity generated and continuous uninterrupted operation	643
S5.2.5.7	Partial load rejection	643
S5.2.5.8	Protection of generating systems from power system disturbances	644
S5.2.5.9	Protection systems that impact on power system security.....	645
S5.2.5.10	Protection to trip plant for unstable operation	647
S5.2.5.11	Frequency control	648
S5.2.5.12	Impact on network capability	650
S5.2.5.13	Voltage and reactive power control	652
S5.2.5.14	Active power control	658
S5.2.6	Monitoring and control requirements	660
S5.2.6.1	Remote Monitoring.....	660
S5.2.6.2	Communications equipment	662
S5.2.7	Power station auxiliary supplies	663
S5.2.8	Fault current.....	663
Schedule 5.3	Conditions for Connection of Customers	665
S5.3.1a	Introduction to the schedule.....	665
S5.3.1	Information	666
S5.3.2	Design standards.....	667
S5.3.3	Protection systems and settings	668
S5.3.4	Settings of protection and control systems	669
S5.3.5	Power factor requirements.....	670
S5.3.6	Balancing of load currents	671
S5.3.7	Voltage fluctuations.....	671
S5.3.8	Harmonics and voltage notching	671
S5.3.9	Design requirements for Network Users' substations.....	672
S5.3.10	Load shedding facilities.....	672
Schedule 5.3a	Conditions for connection of Market Network Services	673
S5.3a.1a	Introduction to the schedule.....	673
S5.3a.1	Provision of Information.....	674
S5.3a.2	Application of settings.....	675
S5.3a.3	Technical matters to be co-ordinated.....	676
S5.3a.4	Monitoring and control requirements	677
S5.3a.4.1	Remote Monitoring.....	677
S5.3a.4.2	[Deleted]	677
S5.3a.4.3	Communications equipment	677
S5.3a.5	Design standards.....	678
S5.3a.6	Protection systems and settings	678
S5.3a.7	[Deleted]	680
S5.3a.8	Reactive power capability.....	680
S5.3a.9	Balancing of load currents	680
S5.3a.10	Voltage fluctuations.....	681
S5.3a.11	Harmonics and voltage notching	681

S5.3a.12	Design requirements for Market Network Service Providers' substations.....	681
S5.3a.13	Market network service response to disturbances in the power system	682
S5.3a.14	Protection of market network services from power system disturbances	682
Schedule 5.4	Information to be Provided with Preliminary Enquiry	683
Schedule 5.4A	Preliminary Response.....	684
Schedule 5.4B	Detailed Response to Enquiry.....	686
Schedule 5.5	Technical Details to Support Application for Connection and Connection Agreement.....	688
S5.5.1	Introduction to the schedule.....	688
S5.5.2	Categories of data	688
S5.5.3	Review, change and supply of data	689
S5.5.4	Data Requirements.....	689
S5.5.5	Asynchronous generating unit data	690
S5.5.6	Generating units smaller than 30MW data	690
S5.5.7	Power System Design Data Sheet, Power System Setting Data Sheet and Power System Model Guidelines.....	690
Schedule 5.5.1	[Deleted]	693
Schedule 5.5.2	[Deleted]	693
Schedule 5.5.3	Network and plant technical data of equipment at or near connection point.....	693
Schedule 5.5.4	Network Plant and Apparatus Setting Data	696
Schedule 5.5.5	Load Characteristics at Connection Point.....	698
Schedule 5.6	Terms and Conditions of Connection agreements and network operating agreements	699
Part A	Connection agreements	699
Part B	Network Operating Agreements	701
Schedule 5.7	Annual Forecast Information for Planning Purposes	701
Schedule 5.8	Distribution Annual Planning Report	703
Schedule 5.9	Demand side engagement document (clause 5.13.1(h)).....	709
Schedule 5.10	Information requirements for Primary Transmission Network Service Providers (clause 5.2A.5)	710
Schedule 5.11	Negotiating principles for negotiated transmission services (clause 5.2A.6)	714
Schedule 5.12	Negotiating principles for large DCA services	715
5A.	Electricity connection for retail customers	719
Part A	Preliminary.....	719
5A.A.1	Definitions	719
5A.A.2	Application of this Chapter.....	722
5A.A.3	Small Generation Aggregator deemed to be agent of a retail customer.....	722

Part B	Standardised offers to provide basic and standard connection services	723
Division 1	Basic connection services	723
5A.B.1	Obligation to have model standing offer to provide basic connection services	723
5A.B.2	Proposed model standing offer for basic connection services	723
5A.B.3	Approval of terms and conditions of model standing offer to provide basic connection services	724
Division 2	Standard connection services.....	725
5A.B.4	Standard connection services.....	725
5A.B.5	Approval of model standing offer to provide standard connection services	726
Division 3	Miscellaneous	726
5A.B.6	Amendment etc of model standing offer	726
5A.B.7	Publication of model standing offers	727
Part C	Negotiated connection	727
5A.C.1	Negotiation of connection.....	727
5A.C.2	Process of negotiation.....	728
5A.C.3	Negotiation framework.....	728
5A.C.4	Fee to cover cost of negotiation.....	730
Part D	Application for connection service	730
Division 1	Information	730
5A.D.1	Publication of information.....	730
5A.D.1A	Register of completed embedded generation projects	731
Division 2	Preliminary enquiry	732
5A.D.2	Preliminary enquiry	732
Division 3	Applications.....	733
5A.D.3	Application process	733
5A.D.4	Site inspection.....	734
Part E	Connection charges.....	734
5A.E.1	Connection charge principles	734
5A.E.2	Itemised statement of connection charges	736
5A.E.3	Connection charge guidelines.....	736
5A.E.4	Payment of connection charges	738
Part F	Formation and integration of connection contracts	738
Division 1	Offer and acceptance – basic and standard connection services.....	738
5A.F.1	Distribution Network Service Provider's response to application	738
5A.F.2	Acceptance of connection offer	739
5A.F.3	Offer and acceptance—application for expedited connection	739
Division 2	Offer and acceptance – negotiated connection.....	739
5A.F.4	Negotiated connection offer	739
Division 3	Formation of contract.....	740
5A.F.5	Acceptance of connection offer	740
Division 4	Contractual performance.....	740

5A.F.6	Carrying out connection work	740
5A.F.7	Retailer required for energisation where new connection	741
Part G	Dispute resolution between Distribution Network Service Providers and customers	741
5A.G.1	Relevant disputes	741
5A.G.2	Determination of dispute	741
5A.G.3	Termination of proceedings	742
SCHEDULE 5A.1 – Minimum content requirements for connection contract		742
Part A	Connection offer not involving embedded generation	742
Part B	Connection offer involving embedded generation	743
6.	Economic Regulation of Distribution Services	747
Part A	Introduction.....	747
6.1	Introduction to Chapter 6.....	747
6.1.1	AER's regulatory responsibility	747
6.1.1A	[Deleted]	747
6.1.2	Structure of this Chapter	747
6.1.3	Access to direct control services and negotiated distribution services	748
6.1.4	Prohibition of DUOS charges for the export of energy	748
Part B	Classification of Distribution Services and Distribution Determinations.....	748
6.2	Classification	748
6.2.1	Classification of distribution services.....	748
6.2.2	Classification of direct control services as standard control services or alternative control services	749
6.2.3	Term for which classification operates	750
6.2.3A	Distribution Service Classification Guidelines.....	750
6.2.4	Duty of AER to make distribution determinations	751
6.2.5	Control mechanisms for direct control services	751
6.2.6	Basis of control mechanisms for direct control services	752
6.2.7	Negotiated distribution services	752
6.2.8	Guidelines	752
Part C	Building Block Determinations for standard control services	753
6.3	Building block determinations.....	753
6.3.1	Introduction.....	753
6.3.2	Contents of building block determination	753
6.4	Post-tax revenue model	754
6.4.1	Preparation, publication and amendment of post-tax revenue model.....	754
6.4.2	Contents of post-tax revenue model	754
6.4.3	Building block approach.....	754
6.4.4	Shared assets	756
6.4.5	Expenditure Forecast Assessment Guidelines	757
6.4A	Capital expenditure incentive mechanisms	757

6.4B	Asset exemptions	758
6.4B.1	Asset exemption decisions and Asset Exemption Guidelines	758
6.4B.2	Exemption applications	759
6.5	Matters relevant to the making of building block determinations.....	759
6.5.1	Regulatory asset base.....	759
6.5.2	Return on capital.....	760
6.5.3	Estimated cost of corporate income tax	761
6.5.4	[Deleted]	761
6.5.5	Depreciation.....	761
6.5.6	Forecast operating expenditure	762
6.5.7	Forecast capital expenditure	764
6.5.8	Efficiency benefit sharing scheme	768
6.5.8A	Capital expenditure sharing scheme	769
6.5.9	The X factor.....	770
6.5.10	Pass through events.....	771
6.6	Adjustments after making of building block determination.	771
6.6.1	Cost pass through.....	771
6.6.1A	Reporting on jurisdictional schemes.....	778
6.6.2	Service target performance incentive scheme	779
6.6.3	Demand management incentive scheme.....	780
6.6.3A	Demand management innovation allowance mechanism.....	781
6.6.4	Small-scale incentive scheme	782
6.6.5	Reopening of distribution determination for capital expenditure.....	783
6.6A	Contingent Projects	786
6.6A.1	Acceptance of a contingent project in a distribution determination	786
6.6A.2	Amendment of distribution determination for contingent project	788
Part D	Negotiated distribution services	793
6.7	Negotiated distribution services	793
6.7.1	Principles relating to access to negotiated distribution services.....	793
6.7.2	Determination of terms and conditions of access for negotiated distribution services	794
6.7.3	Negotiating framework determination.....	795
6.7.4	Negotiated Distribution Service Criteria determination	795
6.7.5	Preparation of and requirements for negotiating framework for negotiated distribution services	796
6.7.6	Confidential information	798
Part DA	Connection policies	798
6.7A	Connection policy requirements.....	798
6.7A.1	Preparation of, and requirements for, connection policy	798
Part E	Regulatory proposal and proposed tariff structure statement.....	799
6.8	Regulatory proposal and proposed tariff structure statement.....	799
6.8.1	AER's framework and approach paper	799
6.8.1A	Notification of approach to forecasting expenditure	801
6.8.2	Submission of regulatory proposal, tariff structure statement and exemption application.....	802

6.9	Preliminary examination and consultation	804
6.9.1	Preliminary examination.....	804
6.9.2	Resubmission of proposal.....	804
6.9.2A	Confidential information	804
6.9.3	Consultation.....	805
6.10	Draft distribution determination and further consultation.....	806
6.10.1	Making of draft distribution determination	806
6.10.2	Publication of draft determination and consultation.....	806
6.10.3	Submission of revised proposal	807
6.10.4	Submissions on specified matters	807
6.11	Distribution determination	808
6.11.1	Making of distribution determination	808
6.11.1A	Out of scope revised regulatory proposal or late submissions	808
6.11.2	Notice of distribution determination.....	809
6.11.3	Commencement of distribution determination	809
6.12	Requirements relating to draft and final distribution determinations.....	809
6.12.1	Constituent decisions	809
6.12.2	Reasons for decisions	813
6.12.3	Extent of AER's discretion in making distribution determinations	813
6.13	Revocation and substitution of distribution determination for wrong information or error	815
6.14	Miscellaneous	815
6.14A	Distribution Confidentiality Guidelines	816
Part F	Cost Allocation	816
6.15	Cost allocation	816
6.15.1	Duty to comply with Cost Allocation Method	816
6.15.2	Cost Allocation Principles	816
6.15.3	Cost Allocation Guidelines.....	817
6.15.4	Cost Allocation Method.....	818
Part G	Distribution consultation procedures	819
6.16	Distribution consultation procedures	819
Part H	Ring-Fencing Arrangements for Distribution Network Service Providers.....	820
6.17	Distribution Ring-Fencing Guidelines	820
6.17.1	Compliance with Distribution Ring-Fencing Guidelines	820
6.17.2	Development of Distribution Ring-Fencing Guidelines.....	820
Part I	Distribution Pricing Rules	821
6.18	Distribution Pricing Rules	821
6.18.1	Application of this Part.....	821
6.18.1A	Tariff structure statement.....	821
6.18.1B	Amending a tariff structure statement with the AER's approval	822
6.18.1C	Sub-threshold tariffs	823
6.18.2	Pricing proposals	824

6.18.3	Tariff classes	826
6.18.4	Principles governing assignment or re-assignment of retail customers to tariff classes and assessment and review of basis of charging	826
6.18.5	Pricing principles	827
6.18.6	Side constraints on tariffs for standard control services	828
6.18.7	Recovery of designated pricing proposal charges	829
6.18.7A	Recovery of jurisdictional scheme amounts	830
6.18.8	Approval of pricing proposal	833
6.18.9	Publication of information about tariffs and tariff classes	834
6.19.	Data Required for Distribution Service Pricing	835
6.19.1	Forecast use of networks by Distribution Customers and Embedded Generators	835
6.19.2	Confidentiality of distribution network pricing information	835
Part J	Billing and Settlements	835
6.20	Billing and Settlements Process	835
6.20.1	Billing for distribution services	835
6.20.2	Minimum information to be provided in distribution network service bills	837
6.20.3	Settlement between Distribution Network Service Providers	837
6.20.4	Obligation to pay	837
Part K	Prudential requirements, capital contributions and prepayments	838
6.21	Distribution Network Service Provider Prudential Requirements	838
6.21.1	Prudential requirements for distribution network service	838
6.21.2	Capital contributions, prepayments and financial guarantees	839
6.21.3	Treatment of past prepayments and capital contributions	839
Part L	Dispute resolution	839
6.22	Dispute Resolution	839
6.22.1	Dispute Resolution by the AER	839
6.22.2	Determination of dispute	840
6.22.3	Termination of access dispute without access determination	841
Part M	Separate disclosure of transmission and distribution charges	841
6.23	Separate disclosure of transmission and distribution charges	841
Part N	Dual Function Assets	842
6.24	Dual Function Assets	842
6.24.1	Application of this Part	842
6.24.2	Dual Function Assets	842
6.25	AER determination of applicable pricing regime for Dual Function Assets	843
6.26	Division of Distribution Network Service Provider's revenue	844
Part O	Annual Benchmarking Report	845
6.27	Annual Benchmarking Report	845

Part P	Distribution Reliability Measures Guidelines	845
6.28	Distribution Reliability Measures Guidelines	845
Schedule 6.1	Contents of building block proposals.....	846
S6.1.1	Information and matters relating to capital expenditure	846
S6.1.2	Information and matters relating to operating expenditure	846
S6.1.3	Additional information and matters	847
Schedule 6.2	Regulatory Asset Base	850
S6.2.1	Establishment of opening regulatory asset base for a regulatory control period.....	850
S6.2.2	Prudency and efficiency of capital expenditure.....	854
S6.2.2A	Reduction for inefficient past capital expenditure.....	855
S6.2.2B	Depreciation.....	857
S6.2.3	Roll forward of regulatory asset base within the same regulatory control period.....	857
6A.	Economic Regulation of Transmission Services.....	861
Part A	Introduction.....	861
6A.1	Introduction to Chapter 6A	861
6A.1.1	Economic regulation of transmission services generally.....	861
6A.1.2	[Deleted]	862
6A.1.3	[Deleted]	862
6A.1.4	National regulatory arrangements.....	862
6A.1.5	Application of Chapter 6A to Market Network Service Providers.....	862
6A.1.6	Application of Chapter 6A to AEMO and declared transmission system operators	862
Part B	Transmission Determinations Generally	863
6A.2	Transmission determinations	863
6A.2.1	Duty of AER to make transmission determinations	863
6A.2.2	Components of transmission determinations	863
6A.2.3	Guidelines	863
Part C	Regulation of Revenue - Prescribed Transmission Services.....	864
6A.3	Allowed revenue from prescribed transmission services	864
6A.3.1	Allowed revenue for regulatory year	864
6A.3.2	Adjustment of maximum allowed revenue	864
6A.4	Revenue determinations	864
6A.4.1	Introduction.....	864
6A.4.2	Contents of revenue determination	864
6A.5	Post-tax revenue model	865
6A.5.1	Introduction.....	865
6A.5.2	Preparation, publication and amendment of post-tax revenue model.....	866
6A.5.3	Contents of post-tax revenue model	866
6A.5.4	Building blocks approach	867
6A.5.5	Shared assets.....	868
6A.5.6	Expenditure Forecast Assessment Guidelines	869
6A.5A	Capital expenditure incentive mechanisms	869

6A.6	Matters relevant to the making of revenue determinations.....	870
6A.6.1	Regulatory asset base.....	870
6A.6.2	Return on capital.....	871
6A.6.3	Depreciation.....	871
6A.6.4	Estimated cost of corporate income tax.....	873
6A.6.5	Efficiency benefit sharing scheme.....	873
6A.6.5A	Capital expenditure sharing scheme.....	874
6A.6.6	Forecast operating expenditure.....	875
6A.6.7	Forecast capital expenditure.....	878
6A.6.8	The X factor.....	881
6A.6.9	Pass through events.....	882
6A.7	Matters relevant to the adjustment of revenue cap after making of revenue determination	882
6A.7.1	Reopening of revenue determination for capital expenditure.....	882
6A.7.2	Network support pass through.....	885
6A.7.3	Cost pass through.....	887
6A.7.4	Service target performance incentive scheme.....	892
6A.7.5	Small-scale incentive scheme.....	893
6A.7.6	Demand management innovation allowance mechanism	894
6A.8	Contingent Projects	895
6A.8.1	Acceptance of a Contingent Project in a revenue determination.....	895
6A.8.2	Amendment of revenue determination for contingent project.....	897
Part D	[Deleted].....	901
Part E	Procedure - Revenue determinations and pricing methodologies.....	901
6A.10	Revenue Proposal and proposed pricing methodology	901
6A.10.1A	AER's framework and approach paper.....	901
6A.10.1B	Notification of approach to forecasting expenditure.....	903
6A.10.1	Submission of proposal, pricing methodology and information.....	903
6A.10.2	[Deleted].....	904
6A.11	Preliminary examination and consultation	904
6A.11.1	Preliminary examination and determination of non-compliance with relevant requirements	904
6A.11.2	Resubmission of proposal, framework, pricing methodology or information	905
6A.11.2A	Confidential information	905
6A.11.3	Consultation.....	906
6A.12	Draft decision and further consultation	907
6A.12.1	Making of draft decision.....	907
6A.12.2	Publication of draft decision and consultation.....	907
6A.12.3	Submission of revised proposal or pricing methodology.....	908
6A.12.4	Submissions on specified matters.....	909
6A.13	Final decision.....	909
6A.13.1	Making of final decision.....	909
6A.13.2	Refusal to approve amounts, values, framework or pricing methodology	909

6A.13.2A	Out of scope revised documents or late submissions	910
6A.13.3	Notice of final decision.....	911
6A.13.4	Making of transmission determination	911
6A.14	Requirements relating to draft and final decisions	911
6A.14.1	Contents of decisions	911
6A.14.2	Reasons for decisions	913
6A.14.3	Circumstances in which matters must be approved or accepted	914
6A.15	Revocation of revenue determination or amendment of pricing methodology for wrong information or error	916
6A.16	Miscellaneous	917
6A.16A	Transmission Confidentiality Guidelines	917
Part F	Information Disclosure.....	918
6A.17	Information disclosure by Transmission Network Service Providers.....	918
6A.17.1	Information to be provided to AER	918
6A.17.2	Information Guidelines	919
6A.18	[Deleted]	920
Part G	Cost Allocation	920
6A.19	Cost allocation	920
6A.19.1	Duty to comply with Cost Allocation Methodology	920
6A.19.2	Cost Allocation Principles	920
6A.19.3	Cost Allocation Guidelines.....	921
6A.19.4	Cost Allocation Methodology.....	922
Part H	Transmission Consultation Procedures	923
6A.20	Transmission consultation procedures	923
Part I	Ring-Fencing Arrangements for Transmission Network Service Providers.....	924
6A.21	Transmission Ring-Fencing Guidelines	924
6A.21.1	Compliance with Transmission Ring-Fencing Guidelines	924
6A.21.2	Development of Transmission Ring-Fencing Guidelines.....	924
Part J	Prescribed Transmission Services - Regulation of Pricing	926
6A.22	Terms used in Part J.....	926
6A.22.1	Aggregate annual revenue requirement (AARR)	926
6A.22.2	Annual service revenue requirement (ASRR)	926
6A.22.3	Meaning of attributable cost share.....	926
6A.22.4	Meaning of attributable connection point cost share	926
6A.23	Pricing Principles for Prescribed Transmission Services	927
6A.23.1	Introduction.....	927
6A.23.2	Principles for the allocation of the aggregate annual revenue requirement.....	927
6A.23.3	Principles for the allocation of the annual service revenue requirement to connection points.....	928

6A.23.4	Principles for the recovery of the Annual Service Revenue Requirement as prices.....	930
6A.24	Pricing methodology	932
6A.24.1	Pricing methodologies generally	932
6A.24.2	Publication of pricing methodology and transmission network prices.....	933
6A.24.3	Basis for setting prices pending approval of pricing methodology	933
6A.24.4	Basis for setting prices pending approval of maximum allowed revenue.....	934
6A.25	Pricing methodology guidelines for prescribed transmission services	935
6A.25.1	Making and amending of pricing methodology guidelines	935
6A.25.2	Contents of pricing methodology guidelines	935
6A.26	Prudent discounts	936
6A.26.1	Agreements for prudent discounts for prescribed transmission services	936
6A.26.2	Application to AER for approval of proposed prudent discount amounts.....	938
6A.27	Billing Process	939
6A.27.1	Billing for prescribed transmission services.....	939
6A.27.1A	Billing of modified load export charges	939
6A.27.2	Minimum information to be provided in network service bills	939
6A.27.3	Obligation to pay charges for prescribed transmission services.....	940
6A.27.4	Payments between Transmission Network Service Providers in the same region.....	940
6A.27.5	Calculation of financial transfers between Transmission Network Service Providers in the same region.....	940
6A.28	Prudential Requirements	941
6A.28.1	Prudential Requirements for prescribed transmission services	941
6A.28.2	Capital contribution or prepayment for a specific asset	941
6A.28.3	Treatment of past capital contributions	941
6A.29	Multiple Transmission Network Service Providers.....	941
6A.29.1	Multiple Transmission Network Service Providers within a region	941
6A.29.2	Single Transmission Network Service Provider within a region.....	942
6A.29.3	Allocation over several regions	943
6A.29A	Modified load export charges	943
6A.29A.1	Single Transmission Network Service Provider in a Region	943
6A.29A.2	Calculation of the modified load export charges	943
6A.29A.3	Calculation of adjustments to the modified load export charge	944
6A.29A.4	Billing the modified load export charge	944
6A.29A.5	Allocation and billing process where multiple Transmission Network Service Providers in a Region.....	944
Part K	Commercial arbitration for disputes about terms and conditions of access for prescribed and negotiated transmission services	945
[Deleted]	945	

Part L	Annual Benchmarking Report	945
6A.31	Annual Benchmarking Report	945
Schedule 6A.1	Contents of Revenue Proposals	945
S6A.1.1	Information and matters relating to capital expenditure	945
S6A.1.2	Information and matters relating to operating expenditure	946
S6A.1.3	Additional information and matters	947
Schedule 6A.2	Regulatory Asset Base	950
S6A.2.1	Establishment of opening regulatory asset base for a regulatory control period	950
S6A.2.2	Prudency and efficiency of capital expenditure	954
S6A.2.2A	Reduction for inefficient past capital expenditure	955
S6A.2.2B	Depreciation	957
S6A.2.3	Removal of assets from regulatory asset base	957
S6A.2.4	Roll forward of regulatory asset base within the same regulatory control period	958
Schedule 6A.3	CRNP methodology and modified CRNP methodology	959
S6A.3.1	Meaning of optimised replacement cost	959
S6A.3.2	CRNP methodology	959
S6A.3.3	Modified CRNP methodology	960
Schedule 6A.4	Application of this Chapter to AEMO and declared transmission system operators	961
S6A.4.1	Application of this Chapter to AEMO etc	961
S6A.4.2	Exclusions, qualifications and modifications	961
6B.	Retail markets	971
Part A	Retail support	971
Division 1	Application and definitions	971
6B.A1.1	Application of this Part	971
6B.A1.2	Definitions	971
Division 2	Billing and payment rules	971
6B.A2.1	Obligation to pay	971
6B.A2.2	Direct customer billing and energy-only contracts	972
6B.A2.3	Calculating network charges	972
6B.A2.4	Statement of charges	972
6B.A2.5	Time and manner of payment	973
Division 3	Matters incidental to billing and payment	973
6B.A3.1	Adjustment of network charges	973
6B.A3.2	Tariff reassignment	973
6B.A3.3	Disputed statements of charges	974
6B.A3.4	Interest	975
6B.A3.5	Notification of changes to charges	975
Part B	Credit support required for late payment	976
Division 1	Application and definitions	976
6B.B1.1	Application of Part B	976
6B.B1.2	Definitions	976

Division 2	Requirements for credit support.....	976
6B.B2.1	Distribution Network Service Provider may require credit support in limited circumstances	976
Division 3	Provision of credit support by retailers	977
6B.B3.1	Retailer to provide credit support	977
6B.B3.2	Acceptable form of credit support	977
Division 4	Other Rules relating to credit support.....	978
6B.B4.1	Application of credit support	978
6B.B4.2	Return of credit support	978
6B.B4.3	Other retailer obligations	978
Schedule 6B.1	Prescribed form of unconditional undertaking for credit support.....	978
7.	Metering	983
Part A	Introduction.....	983
7.1	Introduction to the Metering Chapter	983
7.1.1	Contents	983
Part B	Roles and Responsibilities	983
7.2	Role and Responsibility of financially responsible Market Participant	983
7.2.1	Obligations of financially responsible Market Participants to establish metering installations.....	983
7.2.2	[Not used]	984
7.2.3	Agreements with Local Network Service Provider	984
7.2.4	[Not used]	984
7.2.5	Agreements with Metering Provider	984
7.3	Role and Responsibility of Metering Coordinator	984
7.3.1	Responsibility of the Metering Coordinator	984
7.3.2	Role of the Metering Coordinator.....	985
7.4	Qualification and Registration of Metering Providers, Metering Data Providers and Embedded Network Managers.....	988
7.4.1	Qualifications and registration of Metering Providers	988
7.4.2	Qualifications and registration of Metering Data Providers	989
7.4.2A	Qualifications and registration of Embedded Network Managers.....	989
7.4.2B	List of Embedded Network Managers	990
7.4.3	Nature of appointment of Metering Provider or Metering Data Provider.....	990
7.4.4	Deregistration of Metering Providers, Metering Data Providers and Embedded Network Managers	990
7.5	Role and Responsibility of AEMO	992
7.5.1	Responsibility of AEMO for the collection, processing and delivery of metering data	992
7.5.2	AEMO's costs in connection with metering installation	993
7.5A	Role and Responsibility of Embedded Network Managers	993

7.5A.1	Responsibility of Embedded Network Managers for management services	993
7.5A.2	EN information	993
Part C	Appointment of Metering Coordinator	994
7.6	Appointment of Metering Coordinator	994
7.6.1	Commercial nature of the Metering Coordinator appointment and service provision	994
7.6.2	Persons who may appoint Metering Coordinators	994
7.6.3	Appointment with respect to transmission network connection	995
7.6.4	Type 7 metering installations	995
7.7	Metering Coordinator default arrangements	996
7.7.1	Obligations of financially responsible Market Participants on Metering Coordinator default event and end of contract term	996
7.7.2	Notices to be provided by Metering Coordinator	997
7.7.3	AEMO may issue breach notice	997
Part D	Metering installation	998
7.8	Metering installation arrangements	998
7.8.1	Metering installation requirements	998
7.8.2	Metering installation components	999
7.8.3	Small customer metering installations	1003
7.8.4	Type 4A metering installation	1003
7.8.5	Emergency management	1005
7.8.6	Network devices	1006
7.8.7	Metering point	1009
7.8.8	Metering installation types and accuracy	1009
7.8.9	Meter churn	1010
7.8.10	Metering installation malfunctions	1010
7.8.10A	Timeframes for meters to be installed – new connection	1011
7.8.10B	Timeframes for meters to be installed – where a connection service is not required	1012
7.8.10C	Timeframes for meters to be installed – where a connection alteration is required	1013
7.8.11	Changes to metering equipment, parameters and settings within a metering installation	1015
7.8.12	Special site or technology related conditions	1015
7.8.13	Joint metering installations	1016
7.9	Inspection, Testing and Audit of Metering installations	1017
7.9.1	Responsibility for testing	1017
7.9.2	Actions in event of non-compliance	1019
7.9.3	Audits of information held in metering installations	1019
7.9.4	Errors found in metering tests, inspections or audits	1020
7.9.5	Retention of test records and documents	1021
7.9.6	Metering installation registration process	1022
Part E	Metering Data	1022
7.10	Metering Data Services	1022
7.10.1	Metering Data Services	1022
7.10.2	Data management and storage	1023

7.10.3	Provision of metering data to certain persons.....	1024
7.10.4	Use of check metering data.....	1024
7.10.5	Periodic energy metering.....	1025
7.10.6	Time settings.....	1026
7.10.7	Metering data performance standards.....	1026
7.11	Metering data and database	1027
7.11.1	Metering database	1027
7.11.2	Data validation, substitution and estimation.....	1028
7.11.3	Changes to energy data or to metering data.....	1029
7.12	Register of Metering Information	1029
7.12.1	Metering register.....	1029
7.12.2	Metering register discrepancy.....	1030
7.13	Disclosure of NMI information.....	1030
7.13.1	Application of this Rule.....	1030
7.13.2	NMI and NMI checksum	1030
7.13.3	NMI Standing Data.....	1030
7.14	Metering data provision to retail customers	1030
Part F	Security of metering installation and energy data.....	1031
7.15	Security of metering installation and energy data.....	1031
7.15.1	Confidentiality	1031
7.15.2	Security of metering installations	1032
7.15.3	Security controls for energy data	1033
7.15.4	Additional security controls for small customer metering installations	1034
7.15.5	Access to data	1035
Part G	Procedures	1037
7.16	Procedures	1037
7.16.1	Obligation to establish, maintain and publish procedures	1037
7.16.2	Market Settlement and Transfer Solution Procedures	1037
7.16.3	Requirements of the metrology procedure	1038
7.16.4	Jurisdictional metrology material in metrology procedure.....	1039
7.16.5	Additional metrology procedure matters	1040
7.16.6	Requirements of the service level procedures	1041
7.16.6A	Requirements of the ENM service level procedures	1042
7.16.6B	Guide to embedded networks	1043
7.16.7	Amendment of procedures in the Metering Chapter	1044
7.16.8	National Measurement Act	1045
Part H	B2B Requirements	1045
7.17	B2B Arrangements	1045
7.17.1	B2B e-Hub	1045
7.17.2	B2B e-Hub Participants	1046
7.17.3	Content of the B2B Procedures	1046
7.17.4	Changing B2B Procedures.....	1047
7.17.5	B2B Decision.....	1049
7.17.6	Establishment of Information Exchange Committee.....	1050
7.17.7	Functions and powers of Information Exchange Committee	1051

7.17.8	Obligations of Members	1052
7.17.9	Meetings of Information Exchange Committee	1053
7.17.10	Nomination, election and appointment of Members	1053
7.17.11	Qualifications of Members	1054
7.17.12	Information Exchange Committee Election Procedures and Information Exchange Committee Operating Manual.....	1055
7.17.13	Cost Recovery.....	1056
Schedule 7.1	Metering register	1056
S7.1.1	General.....	1056
S7.1.2	Metering register information.....	1056
Schedule 7.2	Metering Provider	1058
S7.2.1	General.....	1058
S7.2.2	Categories of registration.....	1058
S7.2.3	Capabilities of Metering Providers for metering installations types 1, 2, 3, 4 and 4A.....	1060
S7.2.4	Capabilities of Metering Providers for metering installations types 5 and 6.....	1062
S7.2.5	Capabilities of Metering Providers for small customer metering installations	1062
S7.2.6	Capabilities of the Accredited Service Provider category	1062
Schedule 7.3	Metering Data Provider	1063
S7.3.1	General.....	1063
S7.3.2	Categories of registration.....	1063
S7.3.3	Capabilities of Metering Data Providers	1063
S7.3.4	Capabilities of Metering Data Providers for small customer metering installations.....	1065
Schedule 7.4	Types and Accuracy of Metering installations.....	1065
S7.4.1	General requirements.....	1065
S7.4.2	Metering installations commissioned prior to 13 December 1998	1065
S7.4.3	Accuracy requirements for metering installations	1066
S7.4.4	Check metering.....	1072
S7.4.5	Resolution and accuracy of displayed or captured data.....	1072
S7.4.6	General design standards	1073
S7.4.6.1	Design requirements	1073
S7.4.6.2	Design guidelines.....	1074
Schedule 7.5	Requirements of minimum services specification.....	1074
S7.5.1	Minimum services specification	1074
Schedule 7.6	Inspection and Testing Requirements	1077
S7.6.1	General.....	1077
S7.6.2	Technical Guidelines	1079
Schedule 7.7	Embedded Network Managers.....	1080
S7.7.1	General.....	1080
S7.7.2	Capabilities of Embedded Network Managers	1080
8.	Administrative Functions	1085
Part A	Introductory	1085

8.1	Administrative functions.....	1085
8.1.1	[Deleted]	1085
8.1.2	[Deleted]	1085
8.1.3	Structure of this Chapter	1085
Part B	Disputes.....	1085
8.2	Dispute Resolution	1085
8.2.1	Application and guiding principles.....	1085
8.2.2	The Dispute Resolution Adviser.....	1088
8.2.3	Dispute management systems of Registered Participants and AEMO.....	1089
8.2.4	Stage 1 - dispute resolution through Registered Participants' DMS.....	1090
8.2.5	Stage 2 - dispute resolution process.....	1092
8.2.6A	Establishment of Dispute Resolution Panel.....	1092
8.2.6B	Parties to DRP Proceedings	1093
8.2.6C	Proceedings of the DRP.....	1094
8.2.6D	Decisions of the DRP.....	1095
8.2.6	[Deleted]	1095
8.2.7	Legal representation.....	1095
8.2.8	Cost of dispute resolution	1096
8.2.9	Effect of resolution	1096
8.2.10	Recording and publication.....	1097
8.2.11	Appeals on questions of law	1097
8.2.12	[Deleted]	1097
8.2A	B2B Determination Disputes	1097
8.2A.1	Application of rule 8.2	1097
8.2A.2	How rule 8.2 applies	1097
8.3	Power to make Electricity Procedures.....	1100
8.4	[Deleted].....	1100
8.5	[Deleted].....	1100
Part C	Registered Participants' confidentiality obligations.....	1100
8.6	Confidentiality.....	1100
8.6.1	Confidentiality	1100
8.6.1A	Application	1101
8.6.2	Exceptions.....	1101
8.6.3	Conditions.....	1103
8.6.4	[Deleted]	1103
8.6.5	Indemnity to AER, AEMC and AEMO.....	1103
8.6.6	AEMO information.....	1103
8.6.7	Information on Rules Bodies	1103
Part D	Monitoring and reporting	1104
8.7	Monitoring and Reporting	1104
8.7.1	Monitoring.....	1104
8.7.2	Reporting requirements and monitoring standards for Registered Participants and AEMO.....	1104
8.7.3	Consultation required for making general regulatory information order (Section 28H of the NEL)	1106

8.7.4	Preparation of network service provider performance report (Section 28V of the NEL).....	1107
8.7.5	[Deleted]	1108
8.7.6	Recovery of reporting costs	1108
Part E	Reliability panel	1108
8.8	Reliability Panel	1108
8.8.1	Purpose of Reliability Panel	1108
8.8.2	Constitution of the Reliability Panel.....	1110
8.8.3	Reliability Panel review process.....	1112
8.8.4	Determination of protected events	1114
Part F	Rules consultation procedures	1116
8.9	Rules Consultation Procedures	1116
Part G	Consumer advocacy funding	1118
8.10	Consumer advocacy funding obligation	1118
Part H	Augmentations	1118
8.11	Augmentations	1118
8.11.1	Application	1118
8.11.2	Object.....	1118
8.11.3	Definitions	1119
8.11.4	Planning criteria.....	1119
8.11.5	Construction of augmentation that is not a contestable augmentation.....	1120
8.11.6	Contestable augmentations	1120
8.11.7	Construction and operation of contestable augmentation.....	1121
8.11.8	Funded augmentations that are not subject to the tender process.....	1123
8.11.9	Contractual requirements and principles	1123
8.11.10	Annual planning review.....	1124
Schedule 8.11	Principles to be reflected in agreements relating to contestable augmentations	1124
S8.11.1	Risk allocation	1124
S8.11.2	Minimum requirements for agreements relating to contestable augmentation.....	1125
S8.11.3	Matters to be dealt with in relevant agreements	1126
Part I	Values of customer reliability	1126
8.12	Development of methodology and publication of values of customer reliability	1126
8A.	Participant Derogations	1131
Part 1	Derogations Granted to TransGrid	1131
8A.1	[Deleted]	1131
Part 2	Derogations Granted to EnergyAustralia	1131
8A.2	[Deleted]	1131
8A.2A	[Deleted]	1131

Part 3	[Deleted]	1131
Part 4	[Deleted]	1131
Part 5	[Deleted]	1131
Part 6	Derogations Granted to Victorian Market Participants	1131
Part 7	[Deleted]	1132
Part 8	[Deleted]	1132
Part 9	[Deleted]	1132
Part 10	[Deleted]	1132
Part 11	[Deleted]	1132
Part 12	[Deleted]	1132
Part 13	Derogation granted to Aurora Energy (Tamar Valley) Pty Ltd	1132
8A.13	[Deleted]	1132
Part 14	Derogations granted to Ausgrid, Endeavour Energy and Essential Energy	1132
8A.14	Derogations from Chapter 6 for the current regulatory control period and subsequent regulatory control period	1132
8A.14.1	Definitions	1132
8A.14.2	Expiry date	1136
8A.14.3	Application of Rule 8A.14	1136
8A.14.4	Recovery of revenue across the current regulatory control period and subsequent regulatory control period	1137
8A.14.5	Recovery of revenue in subsequent regulatory control period only and no reopening of subsequent distribution determination required	1138
8A.14.6	Recovery of revenue in subsequent regulatory control period only and reopening of distribution determination is required	1139
8A.14.7	Requirements for adjustment determination	1140
8A.14.8	Application of Chapter 6 under participant derogation	1141
Part 15	Derogations granted to ActewAGL	1142
8A.15	Derogations from Chapter 6 for the current regulatory control period and subsequent regulatory control period	1142
8A.15.1	Definitions	1142
8A.15.2	Expiry date	1146
8A.15.3	Application of Rule 8A.15	1146
8A.15.4	Recovery of revenue across the current regulatory control period and subsequent regulatory control period	1146
8A.15.5	Recovery of revenue in subsequent regulatory control period only and no reopening of subsequent distribution determination required	1148
8A.15.6	Recovery of revenue in subsequent regulatory control period only and reopening of distribution determination is required	1149
8A.15.7	Requirements for adjustment determination	1151
8A.15.8	Application of Chapter 6 under participant derogation	1151

9.	Jurisdictional Derogations and Transitional Arrangements	1157
9.1	Purpose and Application	1157
9.1.1	Purpose	1157
9.1.2	Jurisdictional Derogations	1157
Part A	Jurisdictional Derogations for Victoria	1157
9.2	[Deleted]	1157
9.3	Definitions.....	1157
9.3.1	General Definitions.....	1157
9.3.2	[Deleted]	1159
9.3A	Fault levels.....	1159
9.4	Transitional Arrangements for Chapter 2 - Registered Participants, Registration and Cross Border Networks	1160
9.4.1	[Deleted]	1160
9.4.2	Smelter Trader	1160
9.4.3	Smelter Trader: compliance.....	1160
9.4.4	Report from AER.....	1163
9.4.5	Cross Border Networks.....	1163
9.5	[Deleted]	1164
9.6	Transitional Arrangements for Chapter 4 - System Security	1164
9.6.1	Operating Procedures (clause 4.10.1)	1164
9.6.2	Nomenclature Standards (clause 4.12)	1164
9.7	Transitional Arrangements for Chapter 5 - Network Connection.....	1164
9.7.1	[Deleted]	1164
9.7.2	[Deleted]	1164
9.7.3	[Deleted]	1164
9.7.4	Regulation of Distribution Network Connection.....	1164
9.7.5	[Deleted]	1165
9.7.6	[Deleted]	1165
9.7.7	[Deleted]	1165
9.8	Transitional Arrangements for Chapter 6 - Network Pricing.....	1165
9.8.1	[Deleted]	1165
9.8.2	[Deleted]	1165
9.8.3	[Deleted]	1165
9.8.4	Transmission Network Pricing	1165
9.8.4A	[Deleted]	1167
9.8.4B	[Deleted]	1167
9.8.4C	[Deleted]	1167
9.8.4D	[Deleted]	1167
9.8.4E	[Deleted]	1167
9.8.4F	[Deleted]	1167
9.8.4G	[Deleted]	1167
9.8.5	[Deleted]	1167
9.8.6	[Deleted]	1167

9.8.7	Distribution network pricing – transitional application of former Chapter 6.....	1167
9.8.8	Exclusion of AER's power to aggregate distribution systems and parts of distribution systems	1168
9.9	Transitional Arrangements for Chapter 7 - Metering	1168
9.9.1	Metering Installations To Which This Schedule Applies.....	1168
9.9.2	[Deleted]	1169
9.9.3	[Deleted]	1169
9.9.4	[Deleted]	1169
9.9.5	[Deleted]	1169
9.9.6	[Deleted]	1169
9.9.7	[Deleted]	1169
9.9.8	[Deleted]	1169
9.9.9	Periodic Energy Metering (clause 7.9.3)	1169
9.9.10	Use of Alternate Technologies (clause 7.13).....	1169
9.9A	[Deleted]	1170
9.9B	[Deleted]	1170
9.9C	[Deleted]	1170
1.	Interpretation of tables	1170
2.	Continuing effect	1170
3.	Subsequent agreement	1171
4.	[Deleted]	1171
5.	Reactive Power Capability (clause S5.2.5.1 of schedule 5.2)	1171
6.	[Deleted]	1172
7.	[Deleted]	1172
8.	[Deleted]	1172
9.	[Deleted]	1172
10.	[Deleted]	1172
11.	[Deleted]	1172
12.	[Deleted]	1172
13.	Governor Systems (load control) (clause S5.2.5.11 of schedule 5.2).....	1172
14.	[Deleted]	1172
15.	[Deleted]	1172
16.	Excitation Control System (clause S5.2.5.13 of schedule 5.2).....	1172
Part B	Jurisdictional Derogations for New South Wales	1173
9.10	[Deleted]	1173
9.11	Definitions.....	1173
9.11.1	Definitions used in this Part B	1173
9.12	Transitional Arrangements for Chapter 2 - Generators, Registered Participants, Registration and Cross Border Networks.....	1174
9.12.1	[Deleted]	1174
9.12.2	Customers	1174
9.12.3	Power Traders.....	1174
9.12.4	Cross Border Networks.....	1177
9.13	[Deleted]	1178

9.14	Transitional Arrangements for Chapter 4 - System Security	1178
9.14.1	Power System Operating Procedures.....	1178
9.15	NSW contestable services for Chapter 5A.....	1178
9.15.1	Definitions	1178
9.15.2	Chapter 5A not to apply to certain contestable services	1178
9.16	Transitional Arrangements for Chapter 6 - Network Pricing.....	1178
9.16.1	NSW contestable services.....	1178
9.16.2	[Deleted]	1178
9.16.3	Jurisdictional Regulator	1178
9.16.4	Deemed Regulated Interconnector.....	1179
9.16.5	[Deleted]	1179
9.17	Transitional Arrangements for Chapter 7 - Metering	1179
9.17.1	Extent of Derogations	1179
9.17.2	Initial Registration (clause 7.1.2).....	1179
9.17.3	Amendments to Schedule 9G1	1179
9.17.4	Compliance with AS/NZ ISO 9002 (clause S7.4.3(f) of schedule 7.4).....	1180
9.17A	[Deleted].....	1180
9.18	[Deleted].....	1180
Part C	Jurisdictional Derogations for the Australian Capital Territory.....	1180
9.19	[Deleted].....	1180
9.20	Definitions and Transitional Arrangements for Cross-Border Networks.....	1180
9.20.1	Definitions	1180
9.20.2	Cross Border Networks.....	1180
9.21	[Deleted].....	1181
9.22	[Deleted].....	1181
9.23	Transitional Arrangements for Chapter 6 - Network Pricing.....	1181
9.23.1	[Deleted]	1181
9.23.2	[Deleted]	1181
9.23.3	[Deleted].....	1181
9.23.4	[Deleted]	1181
9.24	Transitional Arrangements.....	1181
9.24.1	Chapter 7 - Metering.....	1181
9.24.2	[Deleted]	1181
9.24A	[Deleted].....	1181
Part D	Jurisdictional Derogations for South Australia	1181
9.25	Definitions.....	1181
9.25.1	[Deleted]	1181
9.25.2	Definitions	1181
9.26	Transitional Arrangements for Chapter 2 - Registered Participants, Registration And Cross Border Networks.....	1184
9.26.1	Registration as a Generator.....	1184

9.26.2	Registration as a Customer	1185
9.26.3	Cross Border Networks.....	1185
9.26.4	[Deleted]	1185
9.26.5	Registration as a Network Service Provider	1185
9.27	[Deleted]	1186
9.28	Transitional Arrangements for Chapter 5 - Network Connection	1186
9.28.1	Application of clause 5.2	1186
9.28.2	[Deleted]	1187
9.29	Transitional Arrangements for Chapter 6 - Economic Regulation of Distribution Services	1187
9.29.1	[Deleted]	1187
9.29.2	[Deleted]	1187
9.29.3	[Deleted]	1187
9.29.4	[Deleted]	1187
9.29.5	Distribution Network Pricing – South Australia	1187
9.29.6	Capital contributions, prepayments and financial guarantees	1188
9.29.7	Ring fencing.....	1188
9.29A	Monitoring and reporting	1188
9.30	Transitional Provisions	1189
9.30.1	Chapter 7 - Metering.....	1189
Part E	Jurisdictional Derogations for Queensland.....	1189
9.31	[Deleted]	1189
9.32	Definitions and Interpretation.....	1189
9.32.1	Definitions	1189
9.32.2	Interpretation.....	1192
9.33	Transitional Arrangements for Chapter 1	1192
9.33.1	[Deleted]	1192
9.34	Transitional Arrangements for Chapter 2 - Registered Participants and Registration.....	1192
9.34.1	Application of the Rules in Queensland (clauses 2.2 and 2.5)	1192
9.34.2	Stanwell Cross Border Leases (clause 2.2).....	1192
9.34.3	[Deleted]	1192
9.34.4	Registration as a Customer (clause 2.3.1)	1192
9.34.5	There is no clause 9.34.5	1193
9.34.6	Exempted generation agreements (clause 2.2)	1193
9.35	[Deleted]	1197
9.36	[Deleted]	1197
9.37	Transitional Arrangements for Chapter 5 - Network Connection.....	1197
9.37.1	[Deleted]	1197
9.37.2	Existing connection and access agreements (clause 5.2).....	1197
9.37.3	[Deleted]	1198
9.37.4	[Deleted]	1198

9.37.5	Forecasts for connection points to transmission network (clause 5.11.1).....	1198
9.37.6	There is no clause 9.37.6	1198
9.37.7	Cross Border Networks.....	1198
9.37.8	[Deleted]	1199
9.37.9	Credible contingency events (clause S5.1.2.1 of schedule 5.1).....	1199
9.37.10	Reactive power capability (clause S5.2.5.1 of schedule 5.2)	1199
9.37.11	[Deleted]	1200
9.37.12	Voltage fluctuations (clause S5.1.5 of schedule 5.1).....	1200
9.37.13	[Deleted]	1202
9.37.14	[Deleted]	1202
9.37.15	[Deleted]	1202
9.37.16	[Deleted]	1202
9.37.17	[Deleted]	1202
9.37.18	[Deleted]	1202
9.37.19	Generating unit response to disturbances (clause S5.2.5.3 of schedule 5.2)	1202
9.37.20	[Deleted]	1202
9.37.21	Excitation control system (clause S.5.2.5.13 of schedule 5.2)	1202
9.37.22	[Deleted]	1203
9.37.23	Annual forecast information for planning purposes (schedule 5.7).....	1203
9.38	Transitional Arrangements for Chapter 6 - Network Pricing.....	1203
9.38.1	[Deleted]	1203
9.38.2	[Deleted]	1203
9.38.3	[Deleted]	1203
9.38.4	Interconnectors between regions	1203
9.38.5	Transmission pricing for exempted generation agreements	1203
9.39	Transitional Arrangements for Chapter 7 - Metering	1204
9.39.1	Metering installations to which this clause applies	1204
9.39.2	[Deleted]	1205
9.39.3	[Deleted]	1205
9.39.4	[Deleted]	1205
9.39.5	[Deleted]	1205
9.40	Transitional Arrangements for Chapter 8 - Administration Functions	1205
9.40.1	[Deleted]	1205
9.40.2	[Deleted]	1205
9.40.3	[Deleted]	1205
9.41	[Deleted].....	1205
Part F	Jurisdictional Derogations for Tasmania	1206
9.42	Definitions and interpretation	1206
9.42.1	Definitions	1206
9.42.2	Interpretation.....	1207
9.42.3	National grid, power system and related expressions.....	1207
9.43	[Deleted].....	1208
9.44	Transitional arrangements for Chapter 2 – Registered Participants and Registration - Customers (clause 2.3.1(e)).....	1208

9.45	Tasmanian Region (clause 3.5)	1208
9.47	Transitional arrangements for Chapter 5- Network Connection	1208
9.47.1	Existing Connection Agreements	1208
9.48	Transitional arrangements - Transmission and Distribution Pricing.....	1208
9.48.4A	Ring fencing.....	1208
9.48.4B	Uniformity of tariffs for small customers	1209
9.48.5	Transmission network.....	1209
9.48.6	Deemed regulated interconnector	1209
Part G	Schedules to Chapter 9	1209
1.	Introduction.....	1209
2.	[Deleted]	1209
3.	General Principle	1209
4.	[Deleted]	1210
5.	Accuracy Requirements.....	1210
6.	[Deleted]	1210
7.	[Deleted]	1210
8.	[Deleted]	1210
9.	[Deleted]	1210
10.	[Deleted]	1210
10.	Glossary.....	1213
11.	Savings and Transitional Rules.....	1331
Part A	Definitions.....	1331
Part B	System Restart Ancillary Services (2006 amendments)	1331
11.2	Rules consequent on making of the National Electricity Amendment (System Restart Ancillary Services and pricing under market suspension) Rule 2006.....	1331
11.2.1	Transitional provision for acquisition of non-market ancillary services	1331
11.3	[Deleted].....	1332
Part C	Dispute Resolution for Regulatory Test (2006 amendments)	1332
11.4	Rules consequent on making of the National Electricity Amendment (Dispute Resolution for Regulatory Test) Rule 2006	1332
11.4.1	Continuation of things done under old clause 5.6.6	1332
Part D	Metrology (2006 amendments)	1333
11.5	Rules consequential on the making of the National Electricity Amendment (Metrology) Rule 2006.....	1333
11.5.1	Definitions	1333
11.5.2	Metrology procedures continues to apply until 31 December 2006.....	1333
11.5.3	Responsible person	1333
11.5.4	NEMMCO's responsibility to develop a metrology procedure	1333
11.5.5	Jurisdictional metrology material in the metrology procedure.....	1334

Part E	Economic Regulation of Transmission Services (2006 amendments)	1334
11.6	Rules consequent on making of the National Electricity Amendment (Economic Regulation of Transmission Services) Rule 2006	1334
11.6.1	Definitions	1334
11.6.2	New Chapter 6A does not affect existing revenue determinations.....	1335
11.6.3	Old Part C and Schedules 6.2, 6.3, 6.4, 6.7 and 6.8 of old Chapter 6	1336
11.6.4	Old Part F of Chapter 6.....	1336
11.6.5	Application of new Chapter 6A to Transmission Network Service Providers	1336
11.6.6	Application of Chapter 6 to old distribution matters	1336
11.6.7	References to the old Chapter 6.....	1336
11.6.8	References to provisions of the old Chapter 6.....	1337
11.6.9	Roll forward of regulatory asset base for first regulatory control period	1337
11.6.10	Other adjustment carry-over mechanisms from current to first regulatory control period	1337
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	1337
11.6.12	Powerlink transitional provisions	1340
11.6.13	ElectraNet easements transitional provisions	1343
11.6.14	TransGrid contingent projects	1343
11.6.15	Transmission determination includes existing revenue determinations.....	1344
11.6.16	References to regulatory control period.....	1344
11.6.17	Consultation procedure for first proposed guidelines.....	1344
11.6.18	Reliance on proposed guidelines for SP AusNet, VENCORP and ElectraNet	1345
11.6.19	EnergyAustralia transitional provisions	1345
11.6.20	Basslink transitional provisions	1347
11.6.21	SPI Powernet savings and transitional provision.....	1349
11.6.22	Interim arrangements pricing-related information.....	1350
Part F	Reform of Regulatory Test Principles (2006 amendments)	1351
11.7	Rules consequent on making of the National Electricity Amendment (Reform of the Regulatory Test Principles) Rule 2006	1351
11.7.1	Definitions	1351
11.7.2	Amending Rule does not affect old clause 5.6.5A	1351
Part G	Pricing of Prescribed Transmission Services (2006 amendments)	1351
11.8	Rules consequent on making the National Electricity Amendment (Pricing of Prescribed Transmission Services) Rule 2006	1351
11.8.1	Definitions	1351
11.8.2	Regulated interconnectors	1352

11.8.3	Application of new Part J of Chapter 6A to Transmission Network Service Providers	1352
11.8.4	Reliance on agreed interim guideline for ElectraNet, SPAusNet, and VenCorp	1353
11.8.5	Prudent discounts under existing agreements	1353
11.8.6	Application of prudent discounts regime under rule 6A.26	1353
11.8.7	Prudent discounts pending approval of pricing methodology	1353
Part H	Reallocations (2007 amendments)	1354
11.9	Rules consequent on the making of the National Electricity Amendment (Reallocations) Rule 2007	1354
11.9.1	Definitions	1354
11.9.2	Existing and transitional reallocations	1354
Part I	Technical Standards for Wind Generation (2007 amendments)	1355
11.10	Rules consequent on making of the National Electricity Amendment (Technical Standards for Wind Generation and other Generator Connections) Rule 2007	1355
11.10.1	Definitions	1355
11.10.2	Provision of information under S5.2.4 in registration application	1355
11.10.3	Access standards made under the old Chapter 5	1356
11.10.4	Modifications to plant by Generators	1356
11.10.5	Technical Details to Support Application for Connection and Connection Agreement	1356
11.10.6	Transitional arrangements for establishment of performance standards	1356
11.10.7	Jurisdictional Derogations for Queensland	1356
11.10A	Rules consequent on the making of the National Electricity Amendment (Central Dispatch and Integration of Wind and Other Intermittent Generation) Rule 2008	1357
11.10A.1	Definitions	1357
11.10A.2	Registration and reclassification of classified generating units	1358
11.10A.3	Registered generating unit	1358
11.10A.4	Classification of potential semi-scheduled generating unit	1358
11.10A.5	Participant fees	1359
11.10A.6	Timetable	1359
11.10A.7	Procedure for contribution factors for ancillary service transactions	1359
11.10A.8	Guidelines for energy conversion model information	1359
Part J	Cost Recovery of Localised Regulation Services (2007 amendments)	1360
11.11	Rules consequent on making of the National Electricity Amendment (Cost Recovery of Localised Regulation Services) Rule 2007	1360
11.11.1	Definitions	1360
11.11.2	Action taken by NEMMCO for the purposes of Amending Rule	1360
11.12	[Deleted]	1360
Part L	[Deleted]	1360

Part M	Economic Regulation of Distribution Services (2007 amendments)	1360
Division 1	General Provisions.....	1360
11.14	General provisions	1360
11.14.1	Application of this Division.....	1360
11.14.2	Definitions	1360
11.14.3	Preservation of old regulatory regime	1361
11.14.4	Transfer of regulatory responsibility	1362
11.14.5	Special requirements with regard to ring fencing.....	1362
11.14.6	Additional requirements with regard to cost allocation.....	1363
11.14.7	Construction of documents	1363
Division 2	[Deleted].....	1364
Division 3	Transitional arrangements for first distribution determination for Queensland Distribution Network Service Providers	1364
11.16	Transitional arrangements for first distribution determination for Queensland Distribution Network Service Providers	1364
11.16.1	Definitions	1364
11.16.2	Application of Part to Queensland 2010 distribution determinations	1364
11.16.3	Treatment of the regulatory asset base	1364
11.16.4	Efficiency Benefit Sharing Scheme	1365
11.16.5	Service Target Performance Incentive Scheme	1365
11.16.6	Framework and approach	1365
11.16.7	Regulatory Proposal.....	1365
11.16.8	Side constraints	1366
11.16.9	Cost pass throughs	1366
11.16.10	Capital Contributions Policy.....	1366
Division 4	Transitional provisions of specific application to Victoria	1367
11.17	Transitional provisions of specific application to Victoria	1367
11.17.1	Definitions	1367
11.17.2	Calculation of estimated cost of corporate income tax.....	1367
11.17.3	Decisions made in the absence of a statement of regulatory intent	1367
11.17.4	Cost allocation guidelines.....	1368
11.17.5	Modification of requirements related to cost allocation method	1368
11.17.6	AMI Order in Council	1369
Part N	Registration of Foreign Based Persons and Corporations as Trader Class Participants (2007 amendments).....	1369
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	1369
11.18.1	Definitions	1369
11.18.2	Auction rules.....	1369
Part O	Process for Region Change (2007 amendments).....	1370
11.19	Rules consequent on making of the National Electricity Amendment (Process for Region Change) Rule 2007	1370
11.19.1	Definitions	1370

11.19.2	Regions Publication	1370
Part P	Integration of NEM Metrology Requirements.....	1370
11.20	Rules consequential on the making of the National Electricity Amendment (Integration of NEM Metrology Requirements) Rule 2008	1370
11.20.1	Definitions	1370
11.20.2	Metering installations for non-market generating units immediately prior to 30 June 2008	1370
11.20.3	First-tier load metering installations	1371
11.20.4	First-tier load metering installations in Victoria.....	1371
11.20.5	Minimalist Transitioning Approach in Queensland	1371
11.20.6	First-tier jurisdictional requirements publication	1372
11.20.7	Metrology procedure	1372
Part PA	Reliability Settings: Information Safety Net and Directions	1372
11.21	Rules consequential on the making of the National Electricity Amendment (NEM Reliability Settings: Information Safety Net and Directions) Rule 2008	1372
11.21.1	Definitions	1372
11.21.2	EAAP guidelines	1372
11.21.3	[Deleted]	1372
11.21.4	[Deleted]	1372
11.21.5	Timetable	1372
11.21.6	Power system security and reliability standards	1373
11.21.7	Report on statement of opportunities	1373
11.21.8	Methodology for dispatch prices and ancillary services prices	1373
Part Q	Regulatory Test Thresholds and Information Disclosure on Network Replacements.....	1373
11.22	Rules consequential on the making of the National Electricity Amendment (Regulatory Test Thresholds and Information Disclosure on Network Replacements) Rule 2008	1373
11.22.1	Definitions	1373
11.22.2	Amending Rule does not affect existing regulatory test.....	1374
Part R	Performance Standard Compliance of Generators	1374
11.23	Rules consequential on the making of the National Electricity Amendment (Performance Standards Compliance of Generators) Rule 2008.....	1374
11.23.1	Definitions	1374
11.23.2	Application of rule 11.23 for compliance programs implemented immediately after the commencement of the Amending Rule	1374
11.23.3	Application of rule 11.23 for compliance programs implemented immediately prior to the commencement of the Amending Rule.....	1374
11.23.4	Application of rule 11.23 for compliance programs not implemented immediately prior to the commencement of the Amending Rule	1375
Part S	[Deleted].....	1375

Part U	Confidentiality Arrangements concerning Information required for Power System Studies.....	1375
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	1375
11.25.1	Definitions	1375
11.25.2	Transitional arrangements for the provision of information.....	1375
Part V	WACC Reviews: Extension of Time	1377
11.26	Rule consequential on the making of the National Electricity Amendment (WACC Reviews: Extension of Time) Rule 2009	1377
11.26.1	Definitions	1377
11.26.2	Extension of time to submit a regulatory proposal for the regulatory control period 2010-2015	1377
Part W	National Transmission Statement	1377
11.27	Rules consequent on the making of the National Electricity Amendment (National Transmission Statement) Rule 2009	1377
11.27.1	Definitions	1377
11.27.2	Purpose	1377
11.27.3	Application of rule 11.27	1378
11.27.4	National Transmission Statement	1378
11.27.5	Scope and Content of National Transmission Network Development Plan.....	1379
11.27.6	Energy Adequacy Assessment Projection	1380
11.27.7	Amendment to Last Resort Power	1380
11.27.8	Actions taken prior to commencement of Rule	1380
Part X	National Transmission Planning	1380
11.28	Rules consequential on the making of the National Electricity (Australian Energy Market Operator) Amendment Rules 2009	1380
11.28.1	Definitions	1380
11.28.2	Jurisdictional planning bodies and representatives.....	1380
11.28.3	Criteria and guidelines published by Inter-regional Planning Committee.....	1381
11.28.4	Augmentation technical reports	1381
11.28.5	Last Resort Planning Power.....	1381
11.28.6	Inter-network power system tests	1381
11.28.7	Control and protection settings for equipment	1382
11.28.8	Revenue Proposals.....	1382
Part Y	Regulatory Investment Test for Transmission.....	1382
11.29	Rules consequent on making of the National Electricity Amendment (Regulatory Investment Test for Transmission) Rule 2009	1382
11.29.1	Definitions	1382
11.29.2	Period when Amending Rule applies to transmission investment.....	1383
Part Z	Congestion Information Resource.....	1383

11.30	Rules consequent on the making of the National Electricity Amendment (Congestion Information Resource) Rule 2009.....	1383
11.30.1	Definitions	1383
11.30.2	Interim congestion Information resource.....	1384
Part ZA	Reliability and emergency reserve trader (2009 amendments).....	1386
11.31	Rules consequent on the making of the National Electricity Amendment (Improved RERT Flexibility and Short-notice Reserve Contracts) Rule 2009.....	1386
11.31.1	Definitions	1386
11.31.2	Purpose	1386
11.31.3	Amendments to Reliability Panel's RERT Guidelines	1386
11.31.4	Amendments to AEMO's RERT procedures for exercising the RERT	1387
Part ZB	Early Application of Market Impact Parameters.....	1387
11.32	Rules consequent on the making of the National Electricity Amendment (Early Implementation of Market Impact Parameters) Rule 2010	1387
11.32.1	Definitions	1387
11.32.2	Purpose	1388
11.32.3	Early application of the market impact component of the service target performance incentive scheme	1388
Part ZC	Transparency of operating data	1391
11.33	Rules consequential on the making of National Electricity Amendment (Transparency of Operating Data) Rule 2010	1391
11.33.1	Definitions	1391
11.33.2	Spot market operations timetable	1391
Part ZD	Cost Recovery for Other Services Directions.....	1393
11.34	Rules consequent on making of the National Electricity Amendment (Cost Recovery for Other Services Directions) Rule 2010	1393
11.34.1	Definitions	1393
11.34.2	Period when Amending Rules applies to funding of compensation.....	1393
Part ZE	Payments under Feed-in Schemes and Climate Change Funds	1393
11.35	Rules consequential on the making of the National Electricity Amendment (Payments under Feed-in Schemes and Climate Change Funds) Rule 2010	1393
11.35.1	Definitions	1393
11.35.2	Application of recovery of jurisdictional scheme Rules.....	1394
11.35.3	Reporting on jurisdictional schemes.....	1395
11.35.4	Revocation and substitution of distribution determination for jurisdictional scheme recovery	1396
Part ZF	Transitional Arrangements for Ministerial Smart Meter Roll Out Determinations	1397
11.36	Ministerial Smart Meter Roll Out Determinations	1397
11.36.1	Definitions	1397

11.36.2	Meaning of relevant metering installation	1397
11.36.3	Period of application of rule to relevant metering installation	1397
11.36.4	Designation of responsible person	1398
11.36.5	[Deleted]	1398
11.36.6	[Deleted]	1398
Part ZG	Provision of Metering Data Services and Clarification of Existing Metrology Requirements.....	1398
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	1398
11.37.1	Definitions	1398
11.37.2	Commencement of special site or technology related conditions.....	1398
11.37.3	Initial service level procedures	1398
Part ZH	Spot Market Operations Timetable	1399
11.38	Rules consequential on the making of National Electricity Amendment (Amendments to PASA-related Rules) Rule 2010	1399
11.38.1	Definitions	1399
11.38.2	Spot market operations timetable	1399
Part ZI	DNSP Recovery of Transmission-related Charges	1400
11.39	Rules consequential on the making of the National Electricity Amendment (DNSP Recovery of Transmission-related Charges) Rule 2011	1400
11.39.1	Definitions	1400
11.39.2	Recovery by Victorian distribution network service providers during current regulatory control period.....	1401
11.39.3	Recovery by Victorian distribution network service providers for shared network augmentations	1401
11.39.4	Bairnsdale network support agreement	1401
11.39.5	Approval of pricing proposal	1401
11.39.6	Ergon Energy transitional charges	1402
11.39.7	Energex transitional charges	1402
Part ZJ	Network Support and Control Ancillary Services.....	1402
11.40	Rules consequential on the making of the National Electricity Amendment (Network Support and Control Ancillary Services) Rule 2011	1402
11.40.1	Definitions	1402
11.40.2	Purpose	1402
11.40.3	Existing NCAS contracts to continue	1402
11.40.4	Amendments to existing guidelines	1403
11.40.5	New procedures	1403
11.40.6	Decisions and actions taken prior to Amending Rule	1403
Part ZK	Application of Dual Marginal Loss Factors	1403
11.41	Rules consequential on the making of the National Electricity Amendment (Application of Dual Marginal Loss Factors) Rule 2011	1403
11.41.1	Definitions	1403

11.41.2	Amendments to loss factor methodology	1404
11.41.3	Procedure applying dual intra-regional loss factors in central dispatch and spot market transactions	1404
11.41.4	Publication of intra-regional loss factors	1404
Part ZL	Tasmania Tranche 5a Procedure Changes.....	1404
11.42	Rules consequential on the making of the National Electricity Amendment (Tasmania Tranche 5a Procedure Changes) Rule 2011	1404
11.42.1	Definitions	1404
11.42.2	AEMO may amend Relevant Procedures	1405
Part ZM	Application and Operation of Administered Price Periods.....	1405
11.43	Rules consequential on the making of National Electricity Amendment (Application and Operation of Administered Price Periods) Rule 2011	1405
11.43.1	Definitions	1405
11.43.2	Administered Price Cap Schedule	1405
Part ZO	Negative Intra-regional Settlements Residue.....	1406
11.45	Rules consequential on the making of National Electricity Amendment (Negative Intra-regional Settlements Residue) Rule 2012	1406
11.45.1	Definitions	1406
11.45.2	Recovery of negative settlements residue prior to consultation under the Amending Rule.....	1406
11.45.3	First consultation on negative intra-regional settlements residue procedure	1407
Part ZP	Interim Connection Charging Rules.....	1407
11.46	Rules consequential to the insertion of Chapter 5A by the National Electricity (National Energy Retail Law) Amendment Rule 2012	1407
Division 1	Preliminary.....	1407
11.46.1	Definitions	1407
11.46.2	Extended meaning of some terms	1409
11.46.3	Transitional operation of relevant provisions	1409
Division 2	Jurisdictional differences	1410
11.46.4	Exclusions, qualifications and modifications for ACT.....	1410
11.46.5	Exclusions, qualifications and modifications for NSW.....	1411
11.46.6	Exclusions, qualifications and modifications for Queensland.....	1412
11.46.7	Exclusions, qualifications and modifications for SA	1413
11.46.8	Exclusions, qualifications and modifications for Tasmania	1414
11.46.9	Exclusions, qualifications and modifications for Victoria.....	1415
Division 3	General provisions	1416
11.46.10	Connection charges.....	1416
11.46.11	References.....	1417
Part ZQ	NSW transitional retail support and credit support rules.....	1417

11.47	Rules consequential on the insertion of Chapter 6B by the National Electricity (National Energy Retail Law) Amendment Rule 2012	1417
Division 1	Preliminary.....	1417
11.47.1	Definitions	1417
11.47.2	Application	1419
11.47.3	Obligation to pay	1419
11.47.4	Charging and billing	1419
11.47.5	Interest on unpaid amounts	1420
11.47.6	Circumstances where NSW DNSP may request credit support	1420
11.47.7	Credit support	1420
11.47.8	Credit support providers	1421
11.47.9	NSW DNSP to determine required credit support amount.....	1421
11.47.10	NSW Retailer to ensure credit support available.....	1421
11.47.11	Drawing on credit support	1422
11.47.12	Specific transitional arrangements.....	1422
Part ZR	Miscellaneous transitional rules—NERL	1422
11.48	Rules consequential on the making of the National Electricity (National Energy Retail Law) Amendment Rule 2012.....	1422
11.48.1	Extension of time period for AER to consider certain pass through applications	1422
Part ZS	Cost pass through arrangements for Network Service Providers.....	1423
11.49	Rules consequential on the making of National Electricity Amendment (Cost pass through arrangements for Network Service Providers) Rule 2012	1423
11.49.1	Definitions	1423
11.49.2	Terrorism event is a cost pass through event in the current regulatory control period	1423
11.49.3	Transitional arrangement for Powerlink	1423
11.49.4	Transitional arrangements for ElectraNet and Murraylink.....	1424
Part ZT	Distribution Network Planning and Expansion.....	1424
11.50	Rules consequential on the making of the National Electricity Amendment (Distribution Network Planning and Expansion) Rule 2012	1424
11.50.1	Interpretation.....	1424
11.50.2	Definitions	1424
11.50.3	Timing for first Distribution Annual Planning Report	1425
11.50.4	Contents of Distribution Annual Planning Report.....	1425
11.50.5	Transition from the regulatory test to the regulatory investment test for distribution	1426
Part ZU	New Prudential Standard and Framework in the NEM.....	1427
11.51	Rules consequential on the making of the National Electricity Amendment (New Prudential Standard and Framework in the NEM) Rule 2012.....	1427
11.51.1	Definitions	1427

11.51.2	AEMO's responsibility to develop and publish the credit limit procedures.....	1427
11.51.3	Transition to the framework for determining prudential settings	1428
11.51.4	Prior consultation, step, decision or action taken by AEMO	1428
Part ZV	Small Generation Aggregator Framework	1428
11.52	Rules consequential on the making of the National Electricity Amendment (Small Generation Aggregator Framework) Rule 2012	1428
11.52.1	Definitions	1428
11.52.2	Commencement of participant fees as well as transactions, funding and settlements under Chapter 3 for Market Small Generation Aggregators.....	1429
11.52.3	Participant fees for Market Small Generation Aggregators.....	1429
11.52.4	Ancillary service transactions, funding of compensation for directions and intervention settlements for directions for Market Small Generation Aggregators	1429
11.52.5	Amendments to the carbon dioxide equivalent intensity index procedures.....	1430
11.52.6	Amendments of the metrology procedures.....	1431
11.52.7	Amendments to the Market Settlement and Transfer Solution Procedures.....	1431
Part ZW	Economic Regulation of Network Service Providers (2012 amendments)	1431
Division 1	Miscellaneous transitional provisions	1431
11.53	Publication of Chapter 6 Guidelines	1431
11.53.1	Shared Asset Guidelines	1431
11.53.2	Capital Expenditure Incentive Guidelines	1432
11.53.3	Rate of Return Guidelines	1432
11.53.4	Expenditure Forecast Assessment Guidelines	1432
11.53.5	Distribution Confidentiality Guidelines	1432
11.53.6	Consultation procedure paper	1433
11.54	Publication of Chapter 6A Guidelines	1433
11.54.1	Shared Asset Guidelines	1433
11.54.2	Capital Expenditure Incentive Guidelines	1433
11.54.3	Rate of Return Guidelines	1433
11.54.4	Expenditure Forecast Assessment Guidelines	1434
11.54.5	Transmission Confidentiality Guidelines	1434
11.54.6	Consultation paper procedure	1434
Division 2	Transitional provisions for NSW/ACT Distribution Network Service Providers	1434
11.55	General provisions	1434
11.55.1	Definitions	1434
11.55.2	Transitional Chapter 6	1435
11.55.3	Application of rule 11.56.....	1437
11.56	Special provisions applying to affected DNSPs.....	1437
11.56.1	Requirement to make distribution determination	1437

11.56.2	Transitional regulatory proposal.....	1437
11.56.3	Distribution determination for a transitional regulatory control period.....	1438
11.56.4	Subsequent regulatory control period.....	1443
11.56.5	Review of past capital expenditure.....	1448
Division 3	Transitional provisions for NSW and Tasmanian Transmission Network Service Providers and Directlink.....	1448
11.57	General provisions	1448
11.57.1	Definitions	1448
11.57.2	Transitional Chapter 6A	1449
11.57.3	Application of rule 11.58	1450
11.58	Special provisions applying to affected TNSPs	1451
11.58.1	Requirement to make transmission determination	1451
11.58.2	Requirement to submit a transitional Revenue Proposal	1451
11.58.3	Transmission determination for a transitional regulatory control period.....	1452
11.58.4	Subsequent regulatory control period.....	1454
11.58.5	Review of past capital expenditure.....	1459
Division 4	Transitional provisions for the Victorian TNSP.....	1459
11.59	Special provisions applying to the Victorian TNSP.....	1459
11.59.1	Definitions	1459
11.59.2	Application of rule 11.59	1460
11.59.3	Former Chapter 6A/10 applies.....	1460
11.59.4	Review of past capital expenditure.....	1460
Division 5	Transitional provisions for Qld/SA and Victorian Distribution Network Service Providers	1461
11.60	Special provisions applying to the Qld/SA and Victorian Distribution Network Service Providers	1461
11.60.1	Definitions	1461
11.60.2	Application of rule 11.60.....	1462
11.60.3	Distribution determination for next regulatory control period	1462
11.60.4	Re-opening of distribution determination for next regulatory control period.....	1464
11.60.5	Review of past capital expenditure.....	1466
Division 6	Review of past capital expenditure	1466
11.61	Definitions and application	1466
11.62	Review of past capital expenditure under Chapter 6	1467
11.63	Review of past capital expenditure under Chapter 6A	1467
Part ZX	Inter-regional Transmission Charging	1468
11.64	Rules consequent on the making of the National Electricity Amendment (Inter-regional Transmission Charging) Rule 2013	1468
11.64.1	Definitions	1468
11.64.2	Amendments to the pricing methodology guidelines	1468
11.64.3	Amendments to the pricing methodologies of Transmission Network Service Providers	1468

11.64.4	Commencement of clause 6A.23.3(f) for further adjustments	1469
Part ZY	Network Service Provider Expenditure Objectives.....	1469
11.65	Rules consequent on the making of the National Electricity Amendment (Network Service Provider Expenditure Objectives) Rule 2013	1469
11.65.1	Definitions	1469
11.65.2	Application of rule 11.65	1469
Part ZZ	Access to NMI Standing Data	1470
11.66	Rules consequent on the making of the National Electricity Amendment (Access to NMI Standing Data) Rule 2013	1470
11.66.1	Definitions	1470
11.66.2	Minor amendment of the Market Settlement and Transfer Solution Procedures.....	1470
Part ZZA	Publication of Zone Substation Data	1471
11.67	Rules consequent on the making of the National Electricity Amendment (Publication of Zone Substation Data) Rule 2014.....	1471
11.67.1	Definitions	1471
11.67.2	Distribution Network Service Providers' obligations to commence on the next DAPR date	1471
Part ZZB	Connecting Embedded Generators	1471
11.68	Rules consequential on the making of the National Electricity Amendment (Connecting embedded generators) Rule 2014	1471
11.68.1	Definitions	1471
11.68.2	Continuation of enquiries lodged.....	1471
Part ZZC	Customer access to information about their energy consumption	1472
11.69	Rules consequential on the making of the National Electricity Amendment (Customer access to information about their energy consumption) Rule 2014	1472
11.69.1	Definitions	1472
11.69.2	AEMO to develop and publish the metering data provision procedure	1472
Part ZZD	National Electricity Amendment (Distribution Network Pricing Arrangements) Rule 2014	1472
Division 1	Miscellaneous transitional provisions	1472
11.70	General provisions	1472
11.70.1	Definitions	1472
11.70.2	Application of Part ZZB	1473
11.71	Special provisions applying to SA TNSP	1473
Division 2	Transitional provisions for NSW/ACT and Qld/SA Distribution Network Service Providers	1474
11.72	General provisions	1474
11.72.1	Definitions	1474

11.73	Special provisions applying to affected DNSPs.....	1474
11.73.1	Distribution determination and pricing proposals	1474
11.73.2	Tariff structure statement.....	1475
11.73.3	Dispute resolution.....	1481
Division 3	Transitional provisions for Tasmanian Distribution Network Service Provider.....	1481
11.74	Application of former Chapter 6.....	1481
Division 4	Transitional provisions for Victorian Distribution Network Service Providers	1481
11.75	General provisions	1481
11.75.1	Definitions	1481
11.76	Special provisions applying to affected DNSPs.....	1481
11.76.1	Distribution determination and pricing proposals	1481
11.76.2	Tariff structure statement.....	1482
11.76.3	Dispute resolution.....	1488
Part ZZE	Early Application of Network Capability Component (STPIS).....	1488
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	1488
11.77.1	Definitions	1488
11.77.2	Purpose	1488
11.77.3	Earlier application of the network capability component of the service target performance incentive scheme	1489
Part ZZF	National Electricity Amendment (Governance arrangements and implementation of the reliability standard and settings) Rule 2015	1491
11.78	Rules consequent on the making of the National Electricity Amendment (Governance arrangements and implementation of the reliability standards and settings) Rule 2015.....	1491
11.78.1	Definitions	1491
11.78.2	Existing power system security and reliability standards.....	1491
11.78.3	Reliability standard and settings guidelines	1492
11.78.4	Reliability standard implementation guidelines	1492
Part ZZG	Improving demand side participation information provided to AEMO by registered participants.....	1494
11.79	Rules consequential on making of the National Electricity Amendment (Improving demand side participation information provided to AEMO by registered participants) Rule 2015	1494
11.79.1	AEMO to develop and publish the demand side participation information guidelines	1494
Part ZZH	Transitional Arrangements for Aligning TasNetworks' regulatory control periods	1495

11.80	National Electricity Amendment (Aligning TasNetworks' regulatory control periods) Rule 2015	1495
11.80.1	Definitions	1495
11.80.2	Application of rule 11.80	1495
11.80.3	Next regulatory control period	1495
11.80.4	Subsequent regulatory control period	1495
Part ZZI	System Restart Ancillary Services	1496
11.81	Rules consequential on the making of the National Electricity Amendment (System Restart Ancillary Services) Rule 2015.....	1496
11.81.1	Definitions	1496
11.81.2	System restart standard	1496
11.81.3	SRAS Guideline.....	1496
11.81.4	Regional Benefit Ancillary Services Procedures.....	1496
11.81.5	Consultation prior to the Commencement Date	1496
11.81.6	Existing SRAS Contract	1496
Part ZZJ	Demand management incentive scheme	1497
11.82	Rules consequential on making of the National Electricity Amendment (Demand management incentive scheme) Rule 2015	1497
11.82.1	Definitions	1497
11.82.2	AER to develop and publish the demand management incentive scheme and demand management innovation allowance mechanism	1497
Part ZZK	AEMO access to demand forecasting information	1497
11.83	Rules consequential on the making of the National Electricity Amendment (AEMO access to demand forecasting information) Rule 2015.....	1497
11.83.1	AEMO to include supporting information in NTNDP database	1497
Part ZZL	Compensation arrangements following application of an Administered Price Cap or Administered Floor Price.....	1498
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.....	1498
11.84.1	Definitions	1498
11.84.2	Compensation Guidelines	1498
Part ZZM	Common definitions of distribution reliability measures	1498
11.85	Rules consequential on the making of the National Electricity Amendment (Common definitions of distribution reliability measures) Rule 2015	1498
11.85.1	Definitions	1498
11.85.2	Distribution reliability measures guidelines	1498
11.85.3	Amended STPIS	1498
Part ZZN	Expanding competition in metering and metering related services	1499

11.86	Rules consequent on making of the National Electricity Amendment (Expanding competition in metering and related services) Rule 2015.....	1499
11.86.1	Definitions	1499
11.86.2	References to old Chapter 7	1499
11.86.3	References to provisions of the old Chapter 7	1499
11.86.4	References to responsible person.....	1499
11.86.5	Continued operation of old Rules until the effective date	1499
11.86.6	New and amended procedures	1500
11.86.7	Metering Coordinator for type 5 or 6 metering installation from effective date.....	1501
11.86.8	Distribution Ring Fencing Guidelines	1503
11.86.9	[Deleted]	1503
Part ZZO	Embedded Networks	1503
11.87	Rules consequential on the making of the National Electricity Amendment (Embedded Networks) Rule 2015.....	1503
11.87.1	Definitions	1503
11.87.2	Amended Procedures and NMI Standing Data Schedule	1504
11.87.3	ENM service level procedures and guide to embedded networks and list of Embedded Network Managers	1504
11.87.4	Exemptions under section 13 of the National Electricity Law	1504
Part ZZP	Meter Replacement Processes.....	1505
11.88	Rules consequential on the making of the National Electricity Amendment (Meter Replacement Processes) Rule 2016.....	1505
11.88.1	Definitions	1505
11.88.2	Amended Procedures	1505
Part ZZQ	Energy Adequacy Assessment Projection	1505
11.89	Rules consequential to the National Electricity Amendment (Energy Adequacy Assessment Projection timeframes) Rule 2016	1505
11.89.1	Amended guideline and timetable	1505
Part ZZR	Reliability and emergency reserve trader (2016 amendments).....	1506
11.90	Rules consequent on the making of the National Electricity Amendment (Extension of the Reliability and Emergency Reserve Trader) Rule 2016	1506
11.90.1	Definitions	1506
11.90.2	Amendments to Reliability Panel's RERT Guidelines	1506
11.90.3	Amendments to AEMO's RERT procedures	1506
11.90.4	Reserve contracts entered into before Schedule 2 commencement date.....	1506
Part ZZS	Updating the electricity B2B framework.....	1506
11.91	Rules consequential on the making of the National Electricity Amendment (Updating the electricity B2B framework) rule 2016	1506
11.91.1	Definitions	1506
11.91.2	B2B Procedures	1507

11.91.3	Information Exchange Committee Election Procedures and Information Exchange Committee Operating Manual.....	1507
11.91.4	The New IEC	1508
11.91.5	Amended Procedures	1509
11.91.6	B2B e-Hub Participant accreditation process	1510
11.91.7	New IEC Budget and 2016 Annual Report	1510
11.91.8	Cost recovery	1510
Part ZZT	Application of Offsets in the Prudential Margin Calculation	1511
11.92	Rules consequential on the making of the National Electricity Amendment (Application of Offsets in the Prudential Margin Calculation) Rule 2016	1511
11.92.1	Definitions	1511
11.92.2	Amended procedures	1511
Part ZZU	Rate of Return Guidelines Review	1511
11.93	Rules consequential on the making of the National Electricity Amendment (Rate of Return Guidelines Review) Rule 2016	1511
11.93.1	Definitions	1511
11.93.2	Application of current rate of return guidelines to making of a distribution determination for the subsequent regulatory control period	1513
Part ZZV	Demand Response Mechanism and Ancillary Services Unbundling.....	1513
11.94	Rules consequential on the making of the National Electricity Amendment (Demand Response Management and Ancillary Services Unbundling) rule 2016.....	1513
11.94.1	Definitions	1513
11.94.2	Participant fees for Market Ancillary Service Providers	1513
Part ZZW	Local Generation Network Credits	1513
11.95	Rules consequential on the making of the National Electricity Amendment (Local Generation Network Credits) Rule 2016	1513
11.95.1	Definitions	1513
11.95.2	System limitation template	1514
Part ZZX	Retailer-Distributor Credit Support Requirements.....	1514
11.96	Rules consequent on the making of the National Electricity Amendment (Retailer Distributor Credit Support Requirements) Rule 2017 No. 1	1514
11.96.1	Definitions	1514
11.96.2	Continued operation of old Chapter 6B	1514
11.96.3	Interaction with Chapter 6	1514
11.96.4	Application of new Chapter 6B	1514
Part ZZY	Emergency Frequency Control Schemes.....	1515
11.97	Rules consequent on the making of the National Electricity Amendment (Emergency frequency control schemes) Rule 2017	1515
11.97.1	Definitions	1515
11.97.2	Interim frequency operating standards for protected events.....	1515

11.97.3	First power system frequency risk review	1516
11.97.4	AEMO must review existing load shedding procedures	1516
11.97.5	Load shedding procedures	1516
Part ZZZ	Transmission Connection and Planning Arrangements	1517
11.98	Rules consequential on the making of the National Electricity Amendment (Transmission Connection and Planning Arrangements) Rule 2017	1517
11.98.1	Definitions	1517
11.98.2	Grandfathering of existing dedicated connection assets.....	1518
11.98.3	Preparatory steps for registration changes under the Amending Rule.....	1518
11.98.4	Participant fees for Dedicated Connection Asset Service Providers	1519
11.98.5	Existing Connection Agreements	1519
11.98.6	Connection process	1519
11.98.7	Transmission Annual Planning Report.....	1520
11.98.8	Preservation for adoptive jurisdictions	1520
Part ZZZA	Replacement expenditure planning arrangements.....	1520
11.99	Rules consequential on the making of the National Electricity Amendment (Replacement expenditure planning arrangements) Rule 2017	1520
11.99.1	Definitions	1520
11.99.2	Interpretation.....	1521
11.99.3	Transitional arrangements for affected DNSPs	1522
11.99.4	Amendments to RIT documentation.....	1522
11.99.5	Transitional arrangements relating to excluded projects	1522
11.99.6	Transitional arrangements relating to Victorian bushfire mitigation projects.....	1522
11.99.7	Transitional arrangements relating to review of costs thresholds.....	1523
Part ZZZB	Managing the rate of change of power system frequency.....	1523
11.100	Rules consequential on the making of the National Electricity Amendment (Managing the rate of change of power system frequency) Rule 2017.....	1523
11.100.1	Definitions	1523
11.100.2	Inertia sub-networks	1524
11.100.3	Inertia requirements methodology	1524
11.100.4	Inertia requirements	1524
11.100.5	NSCAS not to be used to meet an inertia shortfall after 1 July 2019	1525
11.100.6	Inertia network services may be used to meet an NSCAS gap declared in the NSCAS transition period.....	1525
11.100.7	Inertia network services made available before the commencement date.....	1526
Part ZZZC	Managing power system fault levels	1526
11.101	Rules consequential on the making of the National Electricity Amendment (Managing power system fault levels) Rule 2017.....	1526
11.101.1	Definitions	1526
11.101.2	System strength impact assessment guidelines.....	1528
11.101.3	System strength requirements methodology.....	1528

11.101.4	System strength requirements.....	1528
11.101.5	NSCAS not to be used to meet a fault level shortfall after 1 July 2019	1529
11.101.6	System strength services may be used to meet an NSCAS gap declared in the NSCAS transition period.....	1529
11.101.7	Withdrawal of a system strength-related NSCAS gap already declared.....	1530
11.101.8	System strength services made available before the commencement date.....	1530
Part ZZZD	Generating System Model Guidelines.....	1530
11.102	Making of Power System Model Guidelines	1530
Part ZZZE	Five Minute Settlement	1530
11.103	Rules consequential on the making of the National Electricity Amendment (Five Minute Settlement) Rule 2017.....	1530
11.103.1	Definitions	1530
11.103.2	Amendments to procedures	1531
11.103.3	Exemption for certain metering installations.....	1532
11.103.4	New or replacement meters	1532
11.103.5	Metering installations exempt from metering data provision requirements	1533
11.103.6	Exemption from meter data storage requirements.....	1533
11.103.7	Default offers and bids submitted prior to the commencement date	1533
Part ZZZF	Contestability of energy services	1533
11.104	Rules consequential on the making of the National Electricity Amendment (Contestability of energy services) Rule 2017	1533
11.104.1	Definitions	1533
11.104.2	New guidelines	1535
11.104.3	Transitional arrangements for application of Distribution Service Classification Guidelines and service classification provisions	1535
11.104.4	Transitional arrangements for application of Asset Exemption Guidelines, exemption applications and asset exemption decisions.....	1535
11.104.5	Transitional arrangements for adjustment in value of regulatory asset base	1537
Part ZZZG	Declaration of lack of reserve conditions.....	1537
11.105	Making of lack of reserve declaration guidelines	1537
11.105.1	Definitions	1537
11.105.2	Making of lack of reserve declaration guidelines.....	1537
Part ZZZH	Implementation of demand management incentive scheme	1537
11.106	Implementation of demand management incentive scheme	1537
11.106.1	Definitions	1537
11.106.2	Purpose	1538
11.106.3	Early application of revised demand management incentive scheme	1538
Part ZZZI	Reinstatement of long notice Reliability and Emergency Reserve Trader.....	1539

11.107	Rules consequential on the making of the National Electricity Amendment (Reinstatement of long notice Reliability and Emergency Reserve Trader) Rule 2018.....	1539
11.107.1	Definitions	1539
11.107.2	New RERT guidelines	1540
11.107.3	Amendments to RERT procedures	1543
11.107.4	Reserve contracts entered into before the commencement date	1543
Part ZZZJ	Register of distributed energy resources	1543
11.108	Rules consequential on the making of the National Electricity Amendment (Register of distributed energy resources) Rule 2018	1543
11.108.1	Definitions	1543
11.108.2	AEMO to develop and publish DER register information guidelines	1544
11.108.3	NSPs to provide AEMO with existing DER generation information	1544
Part ZZZK	Generator technical performance standards	1544
11.109	Rules consequential on the making of the National Electricity Amendment (Generator technical performance standards) Rule 2018	1544
11.109.1	Definitions	1544
11.109.2	Application of the Amending Rule to existing connection enquiries	1545
11.109.3	Application of the Amending Rule to existing applications to connect.....	1546
11.109.4	Application of the Amending Rule to existing offers to connect	1548
11.109.5	Application of the Amending Rule to Existing Connection Agreements	1548
Part ZZZL	Generator three year notice of closure	1549
11.110	Rules consequential on the making of the National Electricity Amendment (Generator three year notice of closure) Rule 2018.....	1549
11.110.1	Definitions	1549
11.110.2	AER to develop and publish notice of closure exemption guideline.....	1549
11.110.3	Application of Amending Rule to AEMO	1549
11.110.4	Application of Amending Rule to Generators	1549
Part ZZZM	Participant compensation following market suspension.....	1550
11.111	Rules consequential on the making of the National Electricity Amendment (Participant compensation following market suspension) Rule 2018.....	1550
11.111.1	Definitions	1550
11.111.2	Market suspension compensation methodology and schedule of benchmark values	1550
Part ZZZN	Global settlement and market reconciliation	1550
11.112	Rules consequential on the making of the National Electricity Amendment (Global settlement and market reconciliation) Rule 2018	1550
11.112.1	Definitions	1550
11.112.2	Amendments to AEMO procedures.....	1551
11.112.3	AEMO to publish report on unaccounted for energy trends.....	1551

11.112.4	Continuation of registration for non-market generators	1551
11.112.5	Publication of UFE data by AEMO	1551
11.112.6	Publication of UFE reporting guidelines	1552
Part ZZZO	Metering installation timeframes	1552
11.113	Rules consequential on making of the National Electricity Amendment (Metering installation timeframes) Rule 2018	1552
11.113.1	Definitions	1552
11.113.2	Timeframes for meters to be installed	1552
Part ZZZP	Early implementation of ISP priority projects	1553
11.114	National Electricity Amendment (Early implementation of ISP priority projects) Rule 2019	1553
11.114.1	Definitions	1553
11.114.2	Modifications to clause 5.16.6 for ISP VNI and QNI projects.....	1554
11.114.3	Modifications to clause 6A.8.2 for ISP projects.....	1555
Part ZZZQ	Enhancement to the Reliability and Emergency Reserve Trader	1557
11.115	Rules consequential on the making of the National Electricity Amendment (Enhancement to the reliability and emergency reserve trader) Rule 2019	1557
11.115.1	Definitions	1557
11.115.2	New RERT guidelines	1558
11.115.3	Amendments to RERT procedures	1558
11.115.4	Reserve contracts entered into before the commencement date	1558
11.115.5	Clause 3.20.6 (Reporting on RERT by AEMO).....	1558
Part ZZZR	Retailer Reliability Obligation.....	1558
11.116	Rules consequential on the making of the National Electricity Amendment (Retailer Reliability Obligation) Rule 2019.....	1558
11.116.1	Application	1558
11.116.2	Reliability Instrument Guidelines	1559
11.116.3	Forecasting Best Practice Guidelines	1559
11.116.4	Reliability Forecast Guidelines.....	1559
11.116.5	AER Opt-in Guidelines.....	1560
11.116.6	Contracts and Firmness Guidelines	1560
11.116.7	Qualifying contracts under interim Contracts and Firmness Guidelines	1560
11.116.8	Grandfathering arrangements	1560
11.116.9	Reliability Compliance Procedures and Guidelines	1561
11.116.10	MLO Guidelines	1562
11.116.11	Application of Part G, Divisions 2 – 6 (inclusive)	1562
11.116.12	Interim deeming of MLO generators and MLO groups	1563
11.116.13	MLO information template.....	1569
11.116.14	Initial MLO register.....	1570
11.116.15	Approved MLO products list.....	1570
11.116.16	Designated MLO exchange	1570
11.116.17	Five minute settlement intervals	1570
11.116.18	Review by AEMC.....	1570
Part ZZZS	Transparency of new projects	1571

11.117	Rules consequential on the making of the National Electricity Amendment (Transparency of new projects) Rule 2019.....	1571
11.117.1	Definitions	1571
11.117.2	Generation information page	1571
11.117.3	Generation information guidelines	1571
11.117.4	Provision and use of information.....	1572
Part ZZZT	Demand management incentive scheme and innovation allowance for TNSPs.....	1572
11.118	Rules consequential on the making of the National Electricity Amendment (Demand management incentive scheme and innovation allowance for TNSPs) Rule 2019	1572
11.118.1	Definitions	1572
11.118.2	AER to develop and publish the demand management innovation allowance mechanism.....	1572
Part ZZZU	Application of the regional reference node test to the Reliability and Emergency Reserve Trader.....	1573
11.119	Rules consequential on the making of the National Electricity Amendment (Application of the regional reference node test to the Reliability and Emergency Reserve Trader) Rule 2019	1573
11.119.1	Definitions	1573
11.119.2	AEMO intervention event in effect on commencement date	1573
Part ZZZV	Improving Transparency and Extending Duration of MT PASA.....	1573
11.120	Rules consequential on the making of the National Electricity Amendment (Improving transparency and extending duration of MT PASA) Rule 2020.....	1573
11.120.1	AEMO to update spot market operations timetable	1573
Part ZZZW	Victorian jurisdictional derogation – RERT contracting	1573
11.121	Rules consequential on the making of the National Electricity Amendment (Victorian jurisdictional derogation - RERT contracting) Rule 2020	1573
11.121.1	Definitions	1573
11.121.2	Procedures.....	1574