

National Electricity Rules Version 148

Historical Information

This version of the National Electricity Rules was current from 21 August 2020 to 26 August 2020.

National Electricity Rules

Version 148

Status Information

This is the latest electronically available version of the National Electricity Rules as at 21 August 2020.

This consolidated version of the National Electricity Rules was last updated on 21 August 2020 as a result of the commencement of the following amendments:

National Electricity Amendment (Interim Reliability Measure) Rule 2020

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 90F of the NEL;
and

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

Application of the National Energy Customer Framework related Rule

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

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

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

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

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

Provisions in force

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

National Electricity Amendment (Minor changes 3) Rule 2020 No. 12 will commence operation on 27 August 2020.

Schedule 1 of the National Electricity Amendment (System restart services, standards and testing) Rule 2020 No. 6 will commence operation on 2 November 2020.

Schedule 2 of the National Electricity Amendment (Wholesale demand response mechanism) Rule 2020 No. 9 will commence operation on 31 March 2021.

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

Schedule 2 of the National Electricity Amendment (Participant compensation following market suspension) Rule 2018 No. 13 will commence operation on 1 October 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 October 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 October 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 October 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 October 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 October 2021, immediately after commencement of Schedule 2 of the National Electricity Amendment (Five minute settlement and global settlement implementation amendments) Rule 2019 No. 7.

Schedule 2 of the National Electricity Amendment (Introduction of metering coordinator planned interruptions) Rule 2020 No. 7 will commence operation on 1 July 2021.

Schedules 1, 3, 4 and 5 of the National Electricity Amendment (Wholesale demand response mechanism) Rule 2020 No. 9 will commence operation on 24 October 2021.

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

Schedule 2 of the National Electricity Amendment (Mandatory primary frequency response) Rule 2020 No. 5 will commence operation on 4 June 2023.

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.....	106
3.7C	Energy Adequacy Assessment Projection	107
3.7D	Demand side participation information.....	110
3.7E	Register of DER information	112
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	121
3.8.4	Notification of scheduled capacity	123
3.8.5	Submission timing	124
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	128
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	132
3.8.11	Ancillary services constraints	133
3.8.12	System scheduled reserve constraints.....	134
3.8.13	Notification of constraints	134
3.8.14	Dispatch under conditions of supply scarcity	134
3.8.15	[Deleted]	135
3.8.16	Equal priced dispatch bids and dispatch offers.....	135
3.8.17	Self-commitment	135
3.8.18	Self-decommitment.....	135
3.8.19	Dispatch inflexibilities	136
3.8.20	Pre-dispatch schedule	139
3.8.21	On-line dispatch process.....	140
3.8.22	Rebidding.....	142
3.8.22A	Offers, bids and rebids must not be false or misleading.....	143
3.8.23	Failure to conform to dispatch instructions	145
3.8.24	Scheduling errors.....	147
3.9	Price Determination.....	147
3.9.1	Principles applicable to spot price determination	147
3.9.2	Determination of spot prices.....	149
3.9.2A	Determination of ancillary services prices.....	150
3.9.2B	Pricing where AEMO determines a manifestly incorrect input.....	151
3.9.3	Pricing in the event of intervention by AEMO.....	152
3.9.3A	Reliability standard and settings review	154
3.9.3B	Reliability standard and settings review report	155
3.9.3C	Reliability standard and interim reliability measure.....	156
3.9.3D	Implementation of the reliability standard.....	157
3.9.4	Market Price Cap	157
3.9.5	Application of the Market Price Cap	158
3.9.6	Market Floor Price.....	159
3.9.6A	Application of the Market Floor Price.....	159
3.9.7	Pricing for constrained-on scheduled generating units.....	159
3.10	[Deleted].....	160
3.11	Ancillary Services	160
3.11.1	Introduction.....	160
3.11.2	Market ancillary services.....	161
3.11.2A	AER reporting on market ancillary services markets	162
3.11.3	Acquisition of Network Support and Control Ancillary Service.....	162
3.11.4	[Not used]	163
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	169
3.12.1	Intervention settlement timetable	169

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.....	176
3.12A.1	Restriction offers	176
3.12A.2	Mandatory restrictions schedule	177
3.12A.3	Acquisition of capacity	178
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.....	179
3.12A.7	Determination of funding restriction shortfalls	179
3.12A.8	Cancellation of a mandatory restriction period.....	184
3.12A.9	Review by AEMC.....	184
3.13	Market Information.....	184
3.13.1	Provision of information.....	184
3.13.2	Systems and procedures.....	185
3.13.3	Standing data	186
3.13.3AA	Standing data: Project developers.....	191
3.13.3A	Statement of opportunities	192
3.13.4	Spot market.....	194
3.13.4A	Market ancillary services.....	198
3.13.5	Ancillary services contracting by AEMO.....	198
3.13.5A	Settlements residue auctions.....	198
3.13.6	[Deleted]	199
3.13.6A	Report by AEMO.....	199
3.13.7	Monitoring of significant variation between forecast and actual prices by AER.....	199
3.13.8	Public information	201
3.13.9	[Deleted]	201
3.13.10	Market auditor	201
3.13.11	[Deleted]	202
3.13.12	NMI Standing Data.....	202
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.....	212
3.14.4	Declaration of market suspension.....	213
3.14.5	Pricing during market suspension.....	214
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.....	220

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	225
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	226
3.15.6	Spot market transactions	226
3.15.6A	Ancillary service transactions	227
3.15.7	Payment to Directed Participants	239
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
3.15.9A	Procurer of last resort cost allocation	253
3.15.10	Administered price cap or administered floor price compensation payments	257
3.15.10A	Goods and services tax	258
3.15.10B	Restriction contract amounts	259
3.15.10C	Intervention and Market Suspension Pricing Schedule Period Settlements	260
3.15.11	Reallocation transactions	264
3.15.11A	Reallocation procedures	265
3.15.12	Settlement amount	266
3.15.13	Payment of settlement amount	266
3.15.14	Preliminary statements	267
3.15.15	Final statements	267
3.15.15A	Use of estimated settlement amounts by AEMO	267
3.15.16	Payment by market participants	267
3.15.17	Payment to market participants	268
3.15.18	Disputes	268
3.15.19	Revised Statements and Adjustments	268
3.15.20	Payment of adjustments	270
3.15.21	Default procedure	271
3.15.22	Maximum total payment in respect of a billing period	275
3.15.23	Maximum total payment in respect of a financial year	276
3.15.24	Compensation for reductions under clause 3.15.23	277
3.15.25	Interest on overdue amounts	278
3.16	Participant compensation fund	278
3.16.1	Establishment of Participant compensation fund	278
3.16.2	Dispute resolution panel to determine compensation	279
3.17	[Deleted]	280
3.18	Settlements Residue Auctions	280
3.18.1	Settlements residue concepts	280
3.18.2	Auctions and eligible persons	281
3.18.3	Auction rules	282

3.18.3A	Secondary trading of SRD units	283
3.18.4	Proceeds and fees.....	284
3.18.4A	Secondary trading proceeds and margin.....	285
3.18.5	Settlement residue committee.....	285
3.19	Market Management Systems Access Procedures.....	287
3.20	Reliability and Emergency Reserve Trader	288
3.20.1	Definitions	288
3.20.2	Reliability and emergency reserve trader	288
3.20.3	Reserve contracts	289
3.20.4	Dispatch pricing methodology for unscheduled reserve contracts	291
3.20.5	AEMO's risk management and accounts relating to the reliability safety net.....	291
3.20.6	Reporting on RERT by AEMO	291
3.20.7	AEMO's exercise of the RERT	294
3.20.8	RERT Guidelines.....	295
3.20.9	[Deleted]	296
Schedule 3.1	Bid and Offer Validation Data	296
Schedule 3.2	[Deleted].....	300
Schedule 3.3	[Deleted].....	300
4.	Power System Security	303
4.1	Introduction.....	303
4.1.1	Purpose	303
4.2	Definitions and Principles	303
4.2.1	[Deleted]	303
4.2.2	Satisfactory Operating State	303
4.2.3	Credible and non-credible contingency events and protected events	304
4.2.3A	Re-classifying contingency events	305
4.2.3B	Criteria for re-classifying contingency events	306
4.2.4	Secure operating state and power system security.....	307
4.2.5	Technical envelope	307
4.2.6	General principles for maintaining power system security	308
4.2.7	Reliable Operating State	309
4.2.8	Time for undertaking action	309
4.3	Power System Security Responsibilities and Obligations	309
4.3.1	Responsibility of AEMO for power system security	309
4.3.2	System security	311
4.3.3	The role of System Operators	314
4.3.4	Network Service Providers	315
4.3.5	Market Customer obligations	320
4.4	Power System Frequency Control.....	321
4.4.1	Power system frequency control responsibilities	321
4.4.2	Operational frequency control requirements	321
4.4.2A	Primary Frequency Response Requirements	321
4.4.2B	Approval of variations or exemptions	323
4.4.3	Generator protection requirements	323

4.4.4	Instructions to enable inertia network services.....	324
4.4.5	Instructions to enable system strength services	325
4.5	Control of Power System Voltage	326
4.5.1	Power system voltage control	326
4.5.2	Reactive power reserve requirements	327
4.5.3	Audit and testing.....	327
4.6	Protection of Power System Equipment.....	328
4.6.1	Power system fault levels	328
4.6.2	Power system protection co-ordination	328
4.6.3	Audit and testing.....	328
4.6.4	Short-term thermal ratings of power system	328
4.6.5	Partial outage of power protection systems	328
4.6.6	System strength impact assessment guidelines.....	329
4.7	Power System Stability Co-ordination.....	330
4.7.1	Stability analysis co-ordination	330
4.7.2	Audit and testing.....	331
4.8	Power System Security Operations	331
4.8.1	Registered Participants' advice	331
4.8.2	Protection or control system abnormality	331
4.8.3	AEMO's advice on power system emergency conditions.....	331
4.8.4	Declaration of conditions.....	332
4.8.4A	Reserve level declaration guidelines.....	332
4.8.4B	Lack of reserve framework reporting	333
4.8.5	Managing declarations of conditions.....	334
4.8.5A	Determination of the latest time for AEMO intervention.....	334
4.8.5B	Notifications of last time of AEMO intervention	335
4.8.6	[Deleted]	335
4.8.7	Managing a power system contingency event	335
4.8.8	[Deleted]	336
4.8.9	Power to issue directions and clause 4.8.9 instructions	336
4.8.9A	System security directions	338
4.8.10	Disconnection of generating units and market network services	338
4.8.11	[Deleted]	338
4.8.12	System restart plan and local black system procedures	338
4.8.13	[Deleted]	340
4.8.14	Power system restoration.....	340
4.8.15	Review of operating incidents	340
4.8.16	AEMO reporting on frequency performance.....	342
4.9	Power System Security Related Market Operations	343
4.9.1	Load forecasting	343
4.9.2	Instructions to Scheduled Generators and Semi-Scheduled Generators.....	344
4.9.2A	Dispatch Instructions to Scheduled Network Service Providers	345
4.9.3	Instructions to Registered Participants	345
4.9.3A	Ancillary services instructions.....	346
4.9.3B	Compliance with dispatch instructions.....	347
4.9.4	Dispatch related limitations on Scheduled Generators and Semi- Scheduled Generators	347

4.9.4A	Dispatch related limitations on Scheduled Network Service Providers	348
4.9.5	Form of dispatch instructions	349
4.9.6	Commitment of scheduled generating units	349
4.9.7	De-commitment, or output reduction, by Scheduled Generators	350
4.9.8	General responsibilities of Registered Participants	351
4.9.9	Scheduled Generator plant changes	352
4.9.9A	Scheduled Network Service Provider plant changes	353
4.9.9B	Ancillary service plant changes	353
4.9.9C	Inertia network service availability changes	353
4.9.9D	System strength service availability changes	353
4.10	Power System Operating Procedures	353
4.10.1	Power system operating procedures	353
4.10.2	Transmission network operations	354
4.10.3	Operating interaction with distribution networks	355
4.10.4	Switching of a Distributor's high voltage networks	355
4.10.5	Switching of reactive power facilities	356
4.10.6	Automatic reclose	356
4.10.7	Inspection of facilities by AEMO	356
4.11	Power System Security Support	356
4.11.1	Remote control and monitoring devices	356
4.11.2	Operational control and indication communication facilities	358
4.11.3	Power system voice/data operational communication facilities	358
4.11.4	Records of power system operational communication	360
4.11.5	Agent communications	360
4.12	Nomenclature Standards.....	361
4.13	[Deleted]	362
4.14	Acceptance of Performance Standards.....	362
4.15	Compliance with Performance Standards.....	364
4.16	Transitioning arrangements for establishment of performance standards	367
4.16.1	Definitions	367
4.16.2	Exclusions	369
4.16.3	Notification and acceptance of performance standards	369
4.16.4	Actual capability	374
4.16.5	Criteria for, and negotiation of, performance standards	375
4.16.6	Consultation with and assistance by Network Service Providers	377
4.16.7	Referral to expert determination	378
4.16.8	Prior actions	378
4.16.9	Deemed performance standards	379
4.16.10	Modification of connection agreements	379
4.17	Expert determination	379
4.17.1	Performance standards committee and appointment of performance standards experts	379
4.17.2	Referral to performance standards expert	381
4.17.3	Determinations of performance standards experts	381
4.17.4	Other matters	382

4A.	Retailer Reliability Obligation	387
Part A	Introduction.....	387
4A.A	Definitions.....	387
4A.A.1	Definitions	387
4A.A.2	Forecast reliability gap materiality	390
4A.A.3	One-in-two year peak demand forecast	390
4A.A.4	Peak demand	390
Part B	Reliability Forecasts	391
4A.B.1	Reliability forecast.....	391
4A.B.2	Reliability forecast components	391
4A.B.3	Supporting materials	392
4A.B.4	Reliability Forecast Guidelines.....	392
4A.B.5	AER Forecasting Best Practice Guidelines	393
Part C	Reliability Instruments.....	394
Division 1	AEMO request for a reliability instrument.....	394
4A.C.1	AEMO request for a reliability instrument	394
4A.C.2	AEMO request for a T-3 reliability instrument	394
4A.C.3	AEMO request for a T-1 reliability instrument	395
4A.C.4	Related T-3 reliability instrument.....	395
4A.C.5	Notification of a closed forecast reliability gap at T-1	395
4A.C.6	Corrections to a request	396
4A.C.7	Withdrawing a request	396
Division 2	AER making of a reliability instrument	396
4A.C.8	AER making of a reliability instrument.....	396
4A.C.9	When a decision by the AER must be made.....	396
4A.C.10	T-1 reliability instrument components.....	397
4A.C.11	AER decision making criteria.....	397
4A.C.12	Reliability Instrument Guidelines	397
Part D	Liable Entities	398
4A.D.1	Application	398
4A.D.2	Liable entities.....	398
4A.D.3	New entrants	399
4A.D.4	Application to register as large opt-in customer	399
4A.D.5	Application to register as prescribed opt-in customer	400
4A.D.6	Thresholds.....	400
4A.D.7	Opt-in cut-off day	401
4A.D.8	AER approval of applications.....	401
4A.D.9	AER opt-in register.....	402
4A.D.10	Changes to register	402
4A.D.11	AER register taken to be correct.....	402
4A.D.12	AEMO Opt-In Procedures	403
4A.D.13	AER Opt-In Guidelines	403
Part E	Qualifying Contracts and Net Contract Position.....	404
Division 1	Key concepts.....	404
4A.E.1	Qualifying contracts.....	404
4A.E.2	Net contract position.....	405

Division 2	Firmness methodologies	405
4A.E.3	Firmness methodology	405
4A.E.4	Types of methodologies.....	406
4A.E.5	Approval of a bespoke firmness methodology	406
Division 3	Reporting net contract position	407
4A.E.6	Reporting requirements	407
Division 4	Adjustment of net contract position.....	408
4A.E.7	Adjustment of net contract position.....	408
Division 5	Contracts and Firmness Guidelines	409
4A.E.8	Contracts and Firmness Guidelines	409
Part F	Compliance with the Retailer Reliability Obligation	410
Division 1	Application	410
4A.F.1	Application	410
Division 2	Key concepts.....	410
4A.F.2	Compliance TI	410
4A.F.3	Share of one-in-two year peak demand forecast.....	410
Division 3	AEMO notifications to AER.....	412
4A.F.4	AEMO notification of compliance trading intervals	412
4A.F.5	AEMO compliance report.....	412
Division 4	AER assessment of compliance.....	412
4A.F.6	Reliability Compliance Procedures and Guidelines	412
4A.F.7	AER assessment.....	413
4A.F.8	AER notification to AEMO for PoLR costs	413
Division 5	Miscellaneous	414
4A.F.9	Demand response information	414
4A.F.10	PoLR cost procedures	414
Part G	Market Liquidity Obligation	414
Division 1	Preliminary.....	414
4A.G.1	Overview of Part G	414
4A.G.2	Purpose and application.....	415
Division 2	Market Generators and trading right holders	415
4A.G.3	Market Generators and generator capacity	415
4A.G.4	Trading rights and trading right holders	416
Division 3	Trading groups.....	416
4A.G.5	Trading group	416
4A.G.6	Controlling entity.....	417
Division 4	Traced capacity and trading group capacity	418
4A.G.7	Traced capacity	418
4A.G.8	Tracing capacity to trading groups	418
4A.G.9	Trading group capacity	419
Division 5	MLO generators and MLO groups.....	419
4A.G.10	MLO group	419
4A.G.11	MLO generator	419

Division 6	Market Generator information	420
4A.G.12	MLO register	420
4A.G.13	Market Generator information	421
4A.G.14	Applications to the AER	422
Division 7	Liquidity period	423
4A.G.15	Notices prior to a liquidity period	423
4A.G.16	Duration of liquidity period	423
Division 8	Liquidity obligation	424
4A.G.17	Liquidity obligation	424
4A.G.18	Performing a liquidity obligation	424
4A.G.19	Volume limits	425
4A.G.20	Appointment of MLO nominee	426
4A.G.21	Exemptions	427
Division 9	MLO products and MLO exchange	427
4A.G.22	MLO products	427
4A.G.23	MLO exchange	428
Division 10	Miscellaneous	429
4A.G.24	MLO compliance and reporting	429
4A.G.25	MLO Guidelines	429
Part H	Voluntary Book Build.....	430
4A.H.1	Purpose and application	430
4A.H.2	Book Build Procedures	430
4A.H.3	Commencement of voluntary book build	431
4A.H.4	Participation in the voluntary book build	432
4A.H.5	Book build fees	432
4A.H.6	Reporting	432
5.	Network Connection Access, Planning and Expansion	435
Part A	Introduction.....	435
5.1	Introduction to Chapter 5.....	435
5.1.1	Structure of this Chapter	435
5.1.2	Overview of Part B and connection and access under the Rules	435
Part B	Network Connection and Access	438
5.1A	Introduction to Part B.....	438
5.1A.1	Purpose and Application	438
5.1A.2	Principles	440
5.2	Obligations.....	441
5.2.1	Obligations of Registered Participants	441
5.2.2	Connection agreements.....	441
5.2.3	Obligations of network service providers	442
5.2.3A	Obligations of Market Network Service Providers	447
5.2.4	Obligations of customers	447
5.2.5	Obligations of Generators	449
5.2.6	Obligations of AEMO	450
5.2.6A	AEMO review of technical requirements for connection	450

5.2.7	Obligations of Dedicated Connection Asset Service Providers	451
5.2A	Transmission network connection and access.....	452
5.2A.1	Application	452
5.2A.2	Relevant assets.....	452
5.2A.3	Connection and access to transmission services.....	453
5.2A.4	Transmission services related to connection	454
5.2A.5	Publication and provision of information	458
5.2A.6	Negotiating principles.....	458
5.2A.7	Third party IUSAs	459
5.2A.8	Access framework for large dedicated connection assets.....	460
5.3	Establishing or Modifying Connection	462
5.3.1	Process and procedures.....	462
5.3.1A	Application of rule to connection of embedded generating units.....	462
5.3.2	Connection enquiry.....	463
5.3.3	Response to connection enquiry	464
5.3.4	Application for connection	467
5.3.4A	Negotiated access standards	469
5.3.4B	System strength remediation for new connections	472
5.3.5	Preparation of offer to connect	475
5.3.6	Offer to connect.....	476
5.3.7	Finalisation of connection agreements and network operating agreements.....	479
5.3.8	Provision and use of information.....	481
5.3.9	Procedure to be followed by a Generator proposing to alter a generating system	482
5.3.10	Acceptance of performance standards for generating plant that is altered	484
5.3.11	Notification of request to change normal voltage.....	485
5.3A	Establishing or modifying connection - embedded generation.....	485
5.3A.1	Application of rule 5.3A	485
5.3A.2	Definitions and miscellaneous	486
5.3A.3	Publication of Information.....	487
5.3A.4	Fees	488
5.3A.5	Enquiry	489
5.3A.6	Response to Enquiry	490
5.3A.7	Preliminary Response to Enquiry	490
5.3A.8	Detailed Response to Enquiry	491
5.3A.9	Application for connection	492
5.3A.10	Preparation of offer to connect	493
5.3A.11	Technical Dispute	494
5.3A.12	Network support payments and functions	494
5.3AA	Access arrangements relating to Distribution Networks	494
5.3B	Application for connection to declared shared network.....	498
5.4	Independent Engineer	498
5.4.1	Application	498
5.4.2	Establishment of a pool	499
5.4.3	Initiating the Independent Engineer process.....	499
5.4.4	Referral to the Adviser.....	500

5.4.5	Proceedings and decisions of the Independent Engineer.....	501
5.4.6	Costs of the Independent Engineer	501
5.4A	[Deleted]	502
5.4AA	[Deleted]	502
5.5	Commercial arbitration for prescribed and negotiated transmission services and large DCA services	502
5.5.1	Application	502
5.5.2	Notification of dispute	502
5.5.3	Appointment of commercial arbitrator	503
5.5.4	Procedures of commercial arbitrator.....	504
5.5.5	Powers of commercial arbitrator in determining disputes.....	504
5.5.6	Determination of disputes.....	505
5.5.7	Costs of dispute.....	506
5.5.8	Enforcement of agreement or determination and requirement for reasons	506
5.5.9	Miscellaneous	507
5.5A	[Deleted]	507
Part C	Post-Connection Agreement matters	507
5.6	Design of Connected Equipment	507
5.6.1	Application	507
5.6.2	Advice of inconsistencies	507
5.6.3	Additional information	508
5.6.4	Advice on possible non-compliance	508
5.6A	[Deleted]	509
5.7	Inspection and Testing	509
5.7.1	Right of entry and inspection.....	509
5.7.2	Right of testing	511
5.7.3	Tests to demonstrate compliance with connection requirements for generators.....	512
5.7.3A	Tests to demonstrate compliance with system strength remediation schemes.....	513
5.7.4	Routine testing of protection equipment.....	515
5.7.5	Testing by Registered Participants of their own plant requiring changes to normal operation.....	516
5.7.6	Tests of generating units requiring changes to normal operation.....	518
5.7.7	Inter-network power system tests	519
5.7.8	Contestable IUSA components.....	525
5.8	Commissioning	525
5.8.1	Requirement to inspect and test equipment	525
5.8.2	Co-ordination during commissioning	526
5.8.3	Control and protection settings for equipment	526
5.8.4	Commissioning program	527
5.8.5	Commissioning tests	528
5.9	Disconnection and Reconnection	528
5.9.1	Voluntary disconnection	528
5.9.2	Decommissioning procedures.....	529

5.9.3	Involuntary disconnection	529
5.9.4	Direction to disconnect	530
5.9.4A	Notification of disconnection	530
5.9.5	Disconnection during an emergency	531
5.9.6	Obligation to reconnect.....	531
Part D	Network Planning and Expansion.....	532
5.10	Network development generally	532
5.10.1	Content of Part D	532
5.10.2	Definitions	533
5.10.3	Interpretation.....	538
5.11	Forecasts of connection to transmission network and identification of system limitations.....	538
5.11.1	Forecasts for connection to transmission network.....	538
5.11.2	Identification of network limitations	539
5.12	Transmission annual planning process.....	539
5.12.1	Transmission annual planning review	539
5.12.2	Transmission Annual Planning Report.....	540
5.13	Distribution annual planning process.....	544
5.13.1	Distribution annual planning review	544
5.13.2	Distribution Annual Planning Report	545
5.13.3	Distribution system limitation template.....	546
5.13A	Distribution zone substation information.....	547
5.14	Joint planning.....	549
5.14.1	Joint planning obligations of Transmission Network Service Providers and Distribution Network Service Providers.....	549
5.14.2	Joint planning obligations of Distribution Network Service Providers and Distribution Network Service Providers.....	550
5.14.3	Joint planning obligations of Transmission Network Service Providers	551
5.14.4	Joint planning by Transmission Network Service Providers and AEMO.....	551
5.14A	Joint planning in relation to retirement or de-ratings of network assets forming part of the Declared Shared Network	552
5.14B	TAPR Guidelines	552
5.14B.1	Development of TAPR Guidelines	552
5.15	Regulatory investment tests generally	552
5.15.1	Interested parties	552
5.15.2	Identification of a credible option.....	552
5.15.3	Review of costs thresholds	554
5.15.4	Costs determinations.....	556
5.15A	Regulatory investment test for transmission.....	556
5.15A.1	General principles and application	556
5.15A.2	Principles for RIT-T projects which are not actionable ISP projects	557
5.15A.3	Principles for actionable ISP projects	559

5.16	Application of RIT-T to RIT-T projects which are not actionable ISP projects.....	561
5.16.1	Application	561
5.16.2	Regulatory investment test for transmission application guidelines	561
5.16.3	Investments subject to the regulatory investment test for transmission	562
5.16.4	Regulatory investment test for transmission procedures	565
5.16.5	[Deleted]	571
5.16B	Disputes in relation to application of regulatory investment test for transmission	571
5.16.6	[Deleted]	573
5.16A	Application of the RIT-T to actionable ISP Projects	573
5.16A.1	Application	573
5.16A.2	Cost Benefit Analysis Guidelines	573
5.16A.3	Actionable ISP projects subject to the RIT-T	574
5.16A.4	Regulatory investment test for transmission procedures	574
5.16A.5	Actionable ISP project trigger event.....	577
5.17	Regulatory investment test for distribution	578
5.17.1	Principles	578
5.17.2	Regulatory investment test for distribution application guidelines	580
5.17.3	Projects subject to the regulatory investment test for distribution	581
5.17.4	Regulatory investment test for distribution procedures	583
5.17.5	Disputes in relation to application of regulatory investment test for distribution.....	587
5.18	Construction of funded augmentations	589
5.18A	Large generator connections	590
5.18A.1	Definitions	590
5.18A.2	Register of large generator connections.....	590
5.18A.3	Impact assessment of large generator connections	591
5.18B	Completed embedded generation projects	592
5.18B.1	Definitions	592
5.18B.2	Register of completed embedded generation projects	592
5.19	SENE Design and Costing Study.....	593
5.19.1	Definitions	593
5.19.2	Interpretation.....	593
5.19.3	Request for SENE Design and Costing Study	594
5.19.4	Content of SENE Design and Costing Study	595
5.19.5	Co-operation of other Network Service Providers	596
5.19.6	Publication of SENE Design and Costing Study report	596
5.19.7	Provision and use of information.....	596
5.20	System security reports	597
5.20.1	Definitions	597
5.20.2	Publication of NSCAS methodology	597
5.20.3	Publication of NSCAS Report	598
5.20.4	Inertia requirements methodology	598
5.20.5	Publication of Inertia Report	599
5.20.6	Publication of system strength requirements methodologies	599

5.20.7	Publication of System Strength Report.....	600
5.20A	Frequency management planning	600
5.20A.1	Power system frequency risk review	600
5.20A.2	Power system frequency risk review process	601
5.20A.3	Power system frequency risk review report.....	601
5.20A.4	Request for protected event declaration.....	602
5.20A.5	Request to revoke a protected event declaration	603
5.20B	Inertia sub-networks and requirements	603
5.20B.1	Boundaries of inertia sub-networks	603
5.20B.2	Inertia requirements	604
5.20B.3	Inertia shortfalls	604
5.20B.4	Inertia Service Provider to make available inertia services	605
5.20B.5	Inertia support activities	607
5.20B.6	Inertia network services information and approvals.....	608
5.20C	System strength requirements	610
5.20C.1	System strength requirements.....	610
5.20C.2	Fault level shortfalls	611
5.20C.3	System Strength Service Provider to make available system strength services.....	611
5.20C.4	System strength services information and approvals.....	613
5.21	AEMO's obligation to publish information and guidelines and provide advice	615
5.22	Integrated System Plan	617
5.22.1	Duty of AEMO to make Integrated System Plan	617
5.22.2	Purpose of the ISP	617
5.22.3	Power system needs.....	617
5.22.4	ISP timetable.....	617
5.22.5	Guidelines relevant to the ISP	618
5.22.6	Content of Integrated System Plan	619
5.22.7	ISP consumer panel	621
5.22.8	Preliminary consultations	621
5.22.9	AER transparency review on Inputs, Assumptions and Scenarios Report	622
5.22.10	Preparation of ISP	623
5.22.11	Draft Integrated System Plan.....	625
5.22.12	Non-network options	626
5.22.13	AER transparency review of draft Integrated System Plan	627
5.22.14	Final Integrated System Plan	627
5.22.15	ISP updates	627
5.22.16	ISP database.....	629
5.22.17	Jurisdictional planning bodies and jurisdictional planning representatives	629
5.22.18	NTP Functions	629
5.23	Disputes in relation to an ISP	630
5.23.1	Disputing party	630
5.23.2	Initial AER review	630
5.23.3	Provision of further information	631
5.23.4	AER determination	631

Schedule 5.1a	System standards	632
S5.1a.1	Purpose	632
S5.1a.2	Frequency	632
S5.1a.3	System stability	632
S5.1a.4	Power frequency voltage	633
S5.1a.5	Voltage fluctuations	634
S5.1a.6	Voltage waveform distortion	634
S5.1a.7	Voltage unbalance	635
S5.1a.8	Fault clearance times	636
Schedule 5.1	Network Performance Requirements to be Provided or Co-ordinated by Network Service Providers	637
S5.1.1	Introduction	637
S5.1.2	Network reliability	638
S5.1.2.1	Credible contingency events	638
S5.1.2.2	Network service within a region	639
S5.1.2.3	Network service between regions	640
S5.1.3	Frequency variations	640
S5.1.4	Magnitude of power frequency voltage	640
S5.1.5	Voltage fluctuations	641
S5.1.6	Voltage harmonic or voltage notching distortion	642
S5.1.7	Voltage unbalance	643
S5.1.8	Stability	644
S5.1.9	Protection systems and fault clearance times	645
S5.1.10	Load, generation and network control facilities	648
S5.1.10.1	General	648
S5.1.10.1a	Emergency frequency control schemes	649
S5.1.10.2	Distribution Network Service Providers	650
S5.1.10.3	Transmission Network Service Providers	650
S5.1.11	Automatic reclosure of transmission or distribution lines	651
S5.1.12	Rating of transmission lines and equipment	651
S5.1.13	Information to be provided	652
Schedule 5.2	Conditions for Connection of Generators	652
S5.2.1	Outline of requirements	652
S5.2.2	Application of Settings	653
S5.2.3	Technical matters to be coordinated	653
S5.2.4	Provision of information	654
S5.2.5	Technical requirements	657
S5.2.5.1	Reactive power capability	657
S5.2.5.2	Quality of electricity generated	658
S5.2.5.3	Generating system response to frequency disturbances	659
S5.2.5.4	Generating system response to voltage disturbances	662
S5.2.5.5	Generating system response to disturbances following contingency events	664
S5.2.5.6	Quality of electricity generated and continuous uninterrupted operation	672
S5.2.5.7	Partial load rejection	672
S5.2.5.8	Protection of generating systems from power system disturbances	672
S5.2.5.9	Protection systems that impact on power system security	674
S5.2.5.10	Protection to trip plant for unstable operation	675

S5.2.5.11	Frequency control	676
S5.2.5.12	Impact on network capability	679
S5.2.5.13	Voltage and reactive power control	680
S5.2.5.14	Active power control	687
S5.2.6	Monitoring and control requirements	689
S5.2.6.1	Remote Monitoring.....	689
S5.2.6.2	Communications equipment	691
S5.2.7	Power station auxiliary supplies	692
S5.2.8	Fault current.....	692
Schedule 5.3	Conditions for Connection of Customers	694
S5.3.1a	Introduction to the schedule.....	694
S5.3.1	Information	695
S5.3.2	Design standards.....	696
S5.3.3	Protection systems and settings	697
S5.3.4	Settings of protection and control systems	698
S5.3.5	Power factor requirements.....	699
S5.3.6	Balancing of load currents	699
S5.3.7	Voltage fluctuations.....	700
S5.3.8	Harmonics and voltage notching	700
S5.3.9	Design requirements for Network Users' substations.....	701
S5.3.10	Load shedding facilities	701
Schedule 5.3a	Conditions for connection of Market Network Services	702
S5.3a.1a	Introduction to the schedule.....	702
S5.3a.1	Provision of Information.....	703
S5.3a.2	Application of settings.....	704
S5.3a.3	Technical matters to be co-ordinated.....	705
S5.3a.4	Monitoring and control requirements	706
S5.3a.4.1	Remote Monitoring.....	706
S5.3a.4.2	[Deleted]	706
S5.3a.4.3	Communications equipment	706
S5.3a.5	Design standards.....	707
S5.3a.6	Protection systems and settings	707
S5.3a.7	[Deleted]	709
S5.3a.8	Reactive power capability.....	709
S5.3a.9	Balancing of load currents	709
S5.3a.10	Voltage fluctuations.....	710
S5.3a.11	Harmonics and voltage notching	710
S5.3a.12	Design requirements for Market Network Service Providers' substations.....	710
S5.3a.13	Market network service response to disturbances in the power system	711
S5.3a.14	Protection of market network services from power system disturbances	711
Schedule 5.4	Information to be Provided with Preliminary Enquiry	712
Schedule 5.4A	Preliminary Response.....	713
Schedule 5.4B	Detailed Response to Enquiry.....	715
Schedule 5.5	Technical Details to Support Application for Connection and Connection Agreement.....	717

S5.5.1	Introduction to the schedule.....	717
S5.5.2	Categories of data	717
S5.5.3	Review, change and supply of data	718
S5.5.4	Data Requirements.....	718
S5.5.5	Asynchronous generating unit data	719
S5.5.6	Generating units smaller than 30MW data	719
S5.5.7	Power System Design Data Sheet, Power System Setting Data Sheet and Power System Model Guidelines	719
Schedule 5.5.1	[Deleted]	722
Schedule 5.5.2	[Deleted]	722
Schedule 5.5.3	Network and plant technical data of equipment at or near connection point.....	722
Schedule 5.5.4	Network Plant and Apparatus Setting Data	725
Schedule 5.5.5	Load Characteristics at Connection Point.....	727
Schedule 5.6	Terms and Conditions of Connection agreements and network operating agreements	728
Part A	Connection agreements	728
Part B	Network Operating Agreements	729
Schedule 5.7	Annual Forecast Information for Planning Purposes	730
Schedule 5.8	Distribution Annual Planning Report	732
Schedule 5.9	Demand side engagement document (clause 5.13.1(h)).....	738
Schedule 5.10	Information requirements for Primary Transmission Network Service Providers (clause 5.2A.5)	739
Schedule 5.11	Negotiating principles for negotiated transmission services (clause 5.2A.6)	743
Schedule 5.12	Negotiating principles for large DCA services.....	744
5A.	Electricity connection for retail customers.....	749
Part A	Preliminary.....	749
5A.A.1	Definitions	749
5A.A.2	Application of this Chapter.....	752
5A.A.3	Small Generation Aggregator deemed to be agent of a retail customer.....	752
Part B	Standardised offers to provide basic and standard connection services	753
Division 1	Basic connection services	753
5A.B.1	Obligation to have model standing offer to provide basic connection services	753
5A.B.2	Proposed model standing offer for basic connection services.....	753
5A.B.3	Approval of terms and conditions of model standing offer to provide basic connection services	754
Division 2	Standard connection services.....	755
5A.B.4	Standard connection services.....	755

5A.B.5	Approval of model standing offer to provide standard connection services	756
Division 3	Miscellaneous	756
5A.B.6	Amendment etc of model standing offer	756
5A.B.7	Publication of model standing offers	757
Part C	Negotiated connection	757
5A.C.1	Negotiation of connection.....	757
5A.C.2	Process of negotiation.....	758
5A.C.3	Negotiation framework.....	758
5A.C.4	Fee to cover cost of negotiation.....	760
Part D	Application for connection service	760
Division 1	Information	760
5A.D.1	Publication of information.....	760
5A.D.1A	Register of completed embedded generation projects	761
Division 2	Preliminary enquiry	762
5A.D.2	Preliminary enquiry	762
Division 3	Applications.....	763
5A.D.3	Application process	763
5A.D.4	Site inspection.....	764
Part E	Connection charges.....	764
5A.E.1	Connection charge principles	764
5A.E.2	Itemised statement of connection charges	766
5A.E.3	Connection charge guidelines.....	766
5A.E.4	Payment of connection charges	768
Part F	Formation and integration of connection contracts	768
Division 1	Offer and acceptance – basic and standard connection services.....	768
5A.F.1	Distribution Network Service Provider's response to application	768
5A.F.2	Acceptance of connection offer	769
5A.F.3	Offer and acceptance—application for expedited connection.....	769
Division 2	Offer and acceptance – negotiated connection.....	769
5A.F.4	Negotiated connection offer	769
Division 3	Formation of contract.....	770
5A.F.5	Acceptance of connection offer	770
Division 4	Contractual performance.....	770
5A.F.6	Carrying out connection work	770
5A.F.7	Retailer required for energisation where new connection	771
Part G	Dispute resolution between Distribution Network Service Providers and customers	771
5A.G.1	Relevant disputes	771
5A.G.2	Determination of dispute	771
5A.G.3	Termination of proceedings.....	772
SCHEDULE 5A.1 – Minimum content requirements for connection contract		772
Part A	Connection offer not involving embedded generation	772

Part B	Connection offer involving embedded generation	773
6.	Economic Regulation of Distribution Services	777
Part A	Introduction.....	777
6.1	Introduction to Chapter 6.....	777
6.1.1	AER's regulatory responsibility	777
6.1.1A	[Deleted]	777
6.1.2	Structure of this Chapter	777
6.1.3	Access to direct control services and negotiated distribution services	778
6.1.4	Prohibition of DUOS charges for the export of energy	778
Part B	Classification of Distribution Services and Distribution Determinations.....	778
6.2	Classification	778
6.2.1	Classification of distribution services.....	778
6.2.2	Classification of direct control services as standard control services or alternative control services	779
6.2.3	Term for which classification operates	780
6.2.3A	Distribution Service Classification Guidelines.....	780
6.2.4	Duty of AER to make distribution determinations	781
6.2.5	Control mechanisms for direct control services	781
6.2.6	Basis of control mechanisms for direct control services	782
6.2.7	Negotiated distribution services	782
6.2.8	Guidelines	782
Part C	Building Block Determinations for standard control services	783
6.3	Building block determinations.....	783
6.3.1	Introduction.....	783
6.3.2	Contents of building block determination	783
6.4	Post-tax revenue model	784
6.4.1	Preparation, publication and amendment of post-tax revenue model.....	784
6.4.2	Contents of post-tax revenue model	784
6.4.3	Building block approach.....	784
6.4.4	Shared assets	786
6.4.5	Expenditure Forecast Assessment Guidelines	787
6.4A	Capital expenditure incentive mechanisms	787
6.4B	Asset exemptions.....	788
6.4B.1	Asset exemption decisions and Asset Exemption Guidelines	788
6.4B.2	Exemption applications	789
6.5	Matters relevant to the making of building block determinations.....	789
6.5.1	Regulatory asset base.....	789
6.5.2	Return on capital.....	790
6.5.3	Estimated cost of corporate income tax	791
6.5.4	[Deleted]	791
6.5.5	Depreciation.....	791

6.5.6	Forecast operating expenditure	792
6.5.7	Forecast capital expenditure	794
6.5.8	Efficiency benefit sharing scheme	798
6.5.8A	Capital expenditure sharing scheme	799
6.5.9	The X factor	800
6.5.10	Pass through events	801
6.6	Adjustments after making of building block determination.	801
6.6.1	Cost pass through	801
6.6.1A	Reporting on jurisdictional schemes	808
6.6.2	Service target performance incentive scheme	809
6.6.3	Demand management incentive scheme	810
6.6.3A	Demand management innovation allowance mechanism	811
6.6.4	Small-scale incentive scheme	812
6.6.5	Reopening of distribution determination for capital expenditure	813
6.6A	Contingent Projects	816
6.6A.1	Acceptance of a contingent project in a distribution determination	816
6.6A.2	Amendment of distribution determination for contingent project	818
Part D	Negotiated distribution services	823
6.7	Negotiated distribution services	823
6.7.1	Principles relating to access to negotiated distribution services	823
6.7.2	Determination of terms and conditions of access for negotiated distribution services	824
6.7.3	Negotiating framework determination	825
6.7.4	Negotiated Distribution Service Criteria determination	825
6.7.5	Preparation of and requirements for negotiating framework for negotiated distribution services	826
6.7.6	Confidential information	828
Part DA	Connection policies	828
6.7A	Connection policy requirements	828
6.7A.1	Preparation of, and requirements for, connection policy	828
Part E	Regulatory proposal and proposed tariff structure statement	829
6.8	Regulatory proposal and proposed tariff structure statement	829
6.8.1	AER's framework and approach paper	829
6.8.1A	Notification of approach to forecasting expenditure	831
6.8.2	Submission of regulatory proposal, tariff structure statement and exemption application	832
6.9	Preliminary examination and consultation	834
6.9.1	Preliminary examination	834
6.9.2	Resubmission of proposal	834
6.9.2A	Confidential information	834
6.9.3	Consultation	835
6.10	Draft distribution determination and further consultation	836
6.10.1	Making of draft distribution determination	836
6.10.2	Publication of draft determination and consultation	836
6.10.3	Submission of revised proposal	837
6.10.4	Submissions on specified matters	837

6.11	Distribution determination	838
6.11.1	Making of distribution determination	838
6.11.1A	Out of scope revised regulatory proposal or late submissions	838
6.11.2	Notice of distribution determination	839
6.11.3	Commencement of distribution determination	839
6.12	Requirements relating to draft and final distribution determinations.....	839
6.12.1	Constituent decisions	839
6.12.2	Reasons for decisions	843
6.12.3	Extent of AER's discretion in making distribution determinations	843
6.13	Revocation and substitution of distribution determination for wrong information or error	845
6.14	Miscellaneous	845
6.14A	Distribution Confidentiality Guidelines	846
Part F	Cost Allocation	846
6.15	Cost allocation	846
6.15.1	Duty to comply with Cost Allocation Method	846
6.15.2	Cost Allocation Principles	846
6.15.3	Cost Allocation Guidelines	847
6.15.4	Cost Allocation Method	848
Part G	Distribution consultation procedures	849
6.16	Distribution consultation procedures	849
Part H	Ring-Fencing Arrangements for Distribution Network Service Providers.....	850
6.17	Distribution Ring-Fencing Guidelines	850
6.17.1	Compliance with Distribution Ring-Fencing Guidelines	850
6.17.2	Development of Distribution Ring-Fencing Guidelines	850
Part I	Distribution Pricing Rules	851
6.18	Distribution Pricing Rules	851
6.18.1	Application of this Part	851
6.18.1A	Tariff structure statement	851
6.18.1B	Amending a tariff structure statement with the AER's approval	852
6.18.1C	Sub-threshold tariffs	854
6.18.2	Pricing proposals	854
6.18.3	Tariff classes	856
6.18.4	Principles governing assignment or re-assignment of retail customers to tariff classes and assessment and review of basis of charging	856
6.18.5	Pricing principles	857
6.18.6	Side constraints on tariffs for standard control services	859
6.18.7	Recovery of designated pricing proposal charges	859
6.18.7A	Recovery of jurisdictional scheme amounts	860
6.18.8	Approval of pricing proposal	863
6.18.9	Publication of information about tariffs and tariff classes	864
6.19.	Data Required for Distribution Service Pricing	865

6.19.1	Forecast use of networks by Distribution Customers and Embedded Generators	865
6.19.2	Confidentiality of distribution network pricing information	865
Part J	Billing and Settlements	865
6.20	Billing and Settlements Process	865
6.20.1	Billing for distribution services	865
6.20.2	Minimum information to be provided in distribution network service bills	867
6.20.3	Settlement between Distribution Network Service Providers	867
6.20.4	Obligation to pay	868
Part K	Prudential requirements, capital contributions and prepayments	868
6.21	Distribution Network Service Provider Prudential Requirements	868
6.21.1	Prudential requirements for distribution network service	868
6.21.2	Capital contributions, prepayments and financial guarantees	869
6.21.3	Treatment of past prepayments and capital contributions	869
Part L	Dispute resolution	869
6.22	Dispute Resolution	869
6.22.1	Dispute Resolution by the AER	869
6.22.2	Determination of dispute	870
6.22.3	Termination of access dispute without access determination	871
Part M	Separate disclosure of transmission and distribution charges	871
6.23	Separate disclosure of transmission and distribution charges	871
Part N	Dual Function Assets	872
6.24	Dual Function Assets	872
6.24.1	Application of this Part	872
6.24.2	Dual Function Assets	872
6.25	AER determination of applicable pricing regime for Dual Function Assets	873
6.26	Division of Distribution Network Service Provider's revenue	874
Part O	Annual Benchmarking Report	875
6.27	Annual Benchmarking Report	875
Part P	Distribution Reliability Measures Guidelines	875
6.28	Distribution Reliability Measures Guidelines	875
Schedule 6.1	Contents of building block proposals	876
S6.1.1	Information and matters relating to capital expenditure	876
S6.1.2	Information and matters relating to operating expenditure	877
S6.1.3	Additional information and matters	877
Schedule 6.2	Regulatory Asset Base	880
S6.2.1	Establishment of opening regulatory asset base for a regulatory control period	880

S6.2.2	Prudency and efficiency of capital expenditure.....	884
S6.2.2A	Reduction for inefficient past capital expenditure.....	885
S6.2.2B	Depreciation.....	887
S6.2.3	Roll forward of regulatory asset base within the same regulatory control period.....	887
6A.	Economic Regulation of Transmission Services.....	891
Part A	Introduction.....	891
6A.1	Introduction to Chapter 6A	891
6A.1.1	Economic regulation of transmission services generally.....	891
6A.1.2	[Deleted]	892
6A.1.3	[Deleted]	892
6A.1.4	National regulatory arrangements.....	892
6A.1.5	Application of Chapter 6A to Market Network Service Providers.....	892
6A.1.6	Application of Chapter 6A to AEMO and declared transmission system operators	892
Part B	Transmission Determinations Generally	893
6A.2	Transmission determinations	893
6A.2.1	Duty of AER to make transmission determinations	893
6A.2.2	Components of transmission determinations.....	893
6A.2.3	Guidelines	893
Part C	Regulation of Revenue - Prescribed Transmission Services.....	894
6A.3	Allowed revenue from prescribed transmission services	894
6A.3.1	Allowed revenue for regulatory year	894
6A.3.2	Adjustment of maximum allowed revenue.....	894
6A.4	Revenue determinations	894
6A.4.1	Introduction.....	894
6A.4.2	Contents of revenue determination	894
6A.5	Post-tax revenue model	895
6A.5.1	Introduction.....	895
6A.5.2	Preparation, publication and amendment of post-tax revenue model.....	896
6A.5.3	Contents of post-tax revenue model	896
6A.5.4	Building blocks approach	897
6A.5.5	Shared assets	898
6A.5.6	Expenditure Forecast Assessment Guidelines	899
6A.5A	Capital expenditure incentive mechanisms	899
6A.6	Matters relevant to the making of revenue determinations.....	900
6A.6.1	Regulatory asset base.....	900
6A.6.2	Return on capital.....	901
6A.6.3	Depreciation.....	901
6A.6.4	Estimated cost of corporate income tax	902
6A.6.5	Efficiency benefit sharing scheme	903
6A.6.5A	Capital expenditure sharing scheme	904
6A.6.6	Forecast operating expenditure	905
6A.6.7	Forecast capital expenditure	907

6A.6.8	The X factor.....	911
6A.6.9	Pass through events.....	912
6A.7	Matters relevant to the adjustment of revenue cap after making of revenue determination	912
6A.7.1	Reopening of revenue determination for capital expenditure.....	912
6A.7.2	Network support pass through	915
6A.7.3	Cost pass through.....	916
6A.7.4	Service target performance incentive scheme	922
6A.7.5	Small-scale incentive scheme	923
6A.7.6	Demand management innovation allowance mechanism	924
6A.8	Contingent Projects	925
6A.8.A1	Eligibility for consideration as a contingent project.....	925
6A.8.1	Acceptance of a Contingent Project in a revenue determination.....	926
6A.8.2	Amendment of revenue determination for contingent project.....	927
Part D	[Deleted]	932
Part E	Procedure - Revenue determinations and pricing methodologies.....	932
6A.10	Revenue Proposal and proposed pricing methodology	932
6A.10.1A	AER's framework and approach paper	932
6A.10.1B	Notification of approach to forecasting expenditure	934
6A.10.1	Submission of proposal, pricing methodology and information	934
6A.10.2	[Deleted]	935
6A.11	Preliminary examination and consultation	935
6A.11.1	Preliminary examination and determination of non-compliance with relevant requirements	935
6A.11.2	Resubmission of proposal, framework, pricing methodology or information	936
6A.11.2A	Confidential information	936
6A.11.3	Consultation.....	937
6A.12	Draft decision and further consultation	937
6A.12.1	Making of draft decision.....	937
6A.12.2	Publication of draft decision and consultation.....	938
6A.12.3	Submission of revised proposal or pricing methodology	938
6A.12.4	Submissions on specified matters	940
6A.13	Final decision.....	940
6A.13.1	Making of final decision.....	940
6A.13.2	Refusal to approve amounts, values, framework or pricing methodology	940
6A.13.2A	Out of scope revised documents or late submissions	941
6A.13.3	Notice of final decision.....	942
6A.13.4	Making of transmission determination	942
6A.14	Requirements relating to draft and final decisions	942
6A.14.1	Contents of decisions.....	942
6A.14.2	Reasons for decisions	944
6A.14.3	Circumstances in which matters must be approved or accepted	944

6A.15	Revocation of revenue determination or amendment of pricing methodology for wrong information or error	947
6A.16	Miscellaneous	947
6A.16A	Transmission Confidentiality Guidelines	948
Part F	Information Disclosure.....	948
6A.17	Information disclosure by Transmission Network Service Providers.....	948
6A.17.1	Information to be provided to AER	948
6A.17.2	Information Guidelines	949
6A.18	[Deleted]	951
Part G	Cost Allocation	951
6A.19	Cost allocation	951
6A.19.1	Duty to comply with Cost Allocation Methodology	951
6A.19.2	Cost Allocation Principles	951
6A.19.3	Cost Allocation Guidelines	952
6A.19.4	Cost Allocation Methodology.....	952
Part H	Transmission Consultation Procedures	953
6A.20	Transmission consultation procedures	953
Part I	Ring-Fencing Arrangements for Transmission Network Service Providers.....	955
6A.21	Transmission Ring-Fencing Guidelines	955
6A.21.1	Compliance with Transmission Ring-Fencing Guidelines	955
6A.21.2	Development of Transmission Ring-Fencing Guidelines.....	955
Part J	Prescribed Transmission Services - Regulation of Pricing	956
6A.22	Terms used in Part J.....	956
6A.22.1	Aggregate annual revenue requirement (AARR)	956
6A.22.2	Annual service revenue requirement (ASRR)	957
6A.22.3	Meaning of attributable cost share.....	957
6A.22.4	Meaning of attributable connection point cost share	957
6A.23	Pricing Principles for Prescribed Transmission Services	957
6A.23.1	Introduction.....	957
6A.23.2	Principles for the allocation of the aggregate annual revenue requirement.....	958
6A.23.3	Principles for the allocation of the annual service revenue requirement to connection points.....	958
6A.23.4	Principles for the recovery of the Annual Service Revenue Requirement as prices.....	961
6A.24	Pricing methodology	962
6A.24.1	Pricing methodologies generally	962
6A.24.2	Publication of pricing methodology and transmission network prices.....	964
6A.24.3	Basis for setting prices pending approval of pricing methodology	964
6A.24.4	Basis for setting prices pending approval of maximum allowed revenue.....	965

6A.25	Pricing methodology guidelines for prescribed transmission services	966
6A.25.1	Making and amending of pricing methodology guidelines	966
6A.25.2	Contents of pricing methodology guidelines	966
6A.26	Prudent discounts	967
6A.26.1	Agreements for prudent discounts for prescribed transmission services	967
6A.26.2	Application to AER for approval of proposed prudent discount amounts	968
6A.27	Billing Process	970
6A.27.1	Billing for prescribed transmission services	970
6A.27.1A	Billing of modified load export charges	970
6A.27.2	Minimum information to be provided in network service bills	970
6A.27.3	Obligation to pay charges for prescribed transmission services	971
6A.27.4	Payments between Transmission Network Service Providers in the same region	971
6A.27.5	Calculation of financial transfers between Transmission Network Service Providers in the same region	971
6A.28	Prudential Requirements	972
6A.28.1	Prudential Requirements for prescribed transmission services	972
6A.28.2	Capital contribution or prepayment for a specific asset	972
6A.28.3	Treatment of past capital contributions	972
6A.29	Multiple Transmission Network Service Providers	972
6A.29.1	Multiple Transmission Network Service Providers within a region	972
6A.29.2	Single Transmission Network Service Provider within a region	973
6A.29.3	Allocation over several regions	973
6A.29A	Modified load export charges	974
6A.29A.1	Single Transmission Network Service Provider in a Region	974
6A.29A.2	Calculation of the modified load export charges	974
6A.29A.3	Calculation of adjustments to the modified load export charge	974
6A.29A.4	Billing the modified load export charge	975
6A.29A.5	Allocation and billing process where multiple Transmission Network Service Providers in a Region	975
Part K	Commercial arbitration for disputes about terms and conditions of access for prescribed and negotiated transmission services	976
[Deleted]	976	
Part L	Annual Benchmarking Report	976
6A.31	Annual Benchmarking Report	976
Schedule 6A.1	Contents of Revenue Proposals	976
S6A.1.1	Information and matters relating to capital expenditure	976
S6A.1.2	Information and matters relating to operating expenditure	977
S6A.1.3	Additional information and matters	978
Schedule 6A.2	Regulatory Asset Base	980

S6A.2.1	Establishment of opening regulatory asset base for a regulatory control period.....	980
S6A.2.2	Prudency and efficiency of capital expenditure.....	985
S6A.2.2A	Reduction for inefficient past capital expenditure.....	985
S6A.2.2B	Depreciation.....	987
S6A.2.3	Removal of assets from regulatory asset base	988
S6A.2.4	Roll forward of regulatory asset base within the same regulatory control period.....	989
Schedule 6A.3	CRNP methodology and modified CRNP methodology.....	990
S6A.3.1	Meaning of optimised replacement cost	990
S6A.3.2	CRNP methodology	990
S6A.3.3	Modified CRNP methodology	991
Schedule 6A.4	Application of this Chapter to AEMO and declared transmission system operators.....	991
S6A.4.1	Application of this Chapter to AEMO etc	991
S6A.4.2	Exclusions, qualifications and modifications	992
6B.	Retail markets.....	1001
Part A	Retail support.....	1001
Division 1	Application and definitions.....	1001
6B.A1.1	Application of this Part.....	1001
6B.A1.2	Definitions	1001
Division 2	Billing and payment rules	1001
6B.A2.1	Obligation to pay	1001
6B.A2.2	Direct customer billing and energy-only contracts.....	1002
6B.A2.3	Calculating network charges.....	1002
6B.A2.4	Statement of charges.....	1002
6B.A2.5	Time and manner of payment	1003
Division 3	Matters incidental to billing and payment	1003
6B.A3.1	Adjustment of network charges	1003
6B.A3.2	Tariff reassignment.....	1003
6B.A3.3	Disputed statements of charges	1004
6B.A3.4	Interest	1005
6B.A3.5	Notification of changes to charges	1005
Part B	Credit support required for late payment.....	1006
Division 1	Application and definitions.....	1006
6B.B1.1	Application of Part B	1006
6B.B1.2	Definitions	1006
Division 2	Requirements for credit support.....	1006
6B.B2.1	Distribution Network Service Provider may require credit support in limited circumstances	1006
Division 3	Provision of credit support by retailers	1007
6B.B3.1	Retailer to provide credit support	1007
6B.B3.2	Acceptable form of credit support	1007
Division 4	Other Rules relating to credit support.....	1008

6B.B4.1	Application of credit support	1008
6B.B4.2	Return of credit support	1008
6B.B4.3	Other retailer obligations	1008
Schedule 6B.1	Prescribed form of unconditional undertaking for credit support	1008
7.	Metering	1013
Part A	Introduction	1013
7.1	Introduction to the Metering Chapter	1013
7.1.1	Contents	1013
Part B	Roles and Responsibilities	1013
7.2	Role and Responsibility of financially responsible Market Participant	1013
7.2.1	Obligations of financially responsible Market Participants to establish metering installations	1013
7.2.2	[Not used]	1014
7.2.3	Agreements with Local Network Service Provider	1014
7.2.4	[Not used]	1014
7.2.5	Agreements with Metering Provider	1014
7.3	Role and Responsibility of Metering Coordinator	1014
7.3.1	Responsibility of the Metering Coordinator	1014
7.3.2	Role of the Metering Coordinator	1015
7.4	Qualification and Registration of Metering Providers, Metering Data Providers and Embedded Network Managers	1018
7.4.1	Qualifications and registration of Metering Providers	1018
7.4.2	Qualifications and registration of Metering Data Providers	1019
7.4.2A	Qualifications and registration of Embedded Network Managers	1019
7.4.2B	List of Embedded Network Managers	1020
7.4.3	Nature of appointment of Metering Provider or Metering Data Provider	1020
7.4.4	Deregistration of Metering Providers, Metering Data Providers and Embedded Network Managers	1020
7.5	Role and Responsibility of AEMO	1022
7.5.1	Responsibility of AEMO for the collection, processing and delivery of metering data	1022
7.5.2	AEMO's costs in connection with metering installation	1023
7.5A	Role and Responsibility of Embedded Network Managers	1023
7.5A.1	Responsibility of Embedded Network Managers for management services	1023
7.5A.2	EN information	1023
Part C	Appointment of Metering Coordinator	1024
7.6	Appointment of Metering Coordinator	1024
7.6.1	Commercial nature of the Metering Coordinator appointment and service provision	1024

7.6.2	Persons who may appoint Metering Coordinators.....	1024
7.6.3	Appointment with respect to transmission network connection.....	1025
7.6.4	Type 7 metering installations.....	1025
7.7	Metering Coordinator default arrangements	1026
7.7.1	Obligations of financially responsible Market Participants on Metering Coordinator default event and end of contract term.....	1026
7.7.2	Notices to be provided by Metering Coordinator	1027
7.7.3	AEMO may issue breach notice	1027
Part D	Metering installation	1028
7.8	Metering installation arrangements.....	1028
7.8.1	Metering installation requirements	1028
7.8.2	Metering installation components.....	1029
7.8.3	Small customer metering installations	1033
7.8.4	Type 4A metering installation	1033
7.8.5	Emergency management.....	1036
7.8.6	Network devices	1036
7.8.7	Metering point	1039
7.8.8	Metering installation types and accuracy.....	1039
7.8.9	Meter churn.....	1040
7.8.10	Metering installation malfunctions	1040
7.8.10A	Timeframes for meters to be installed – new connection	1042
7.8.10B	Timeframes for meters to be installed – where a connection service is not required	1043
7.8.10C	Timeframes for meters to be installed – where a connection alteration is required	1044
7.8.11	Changes to metering equipment, parameters and settings within a metering installation	1046
7.8.12	Special site or technology related conditions	1046
7.8.13	Joint metering installations	1047
7.9	Inspection, Testing and Audit of Metering installations.....	1048
7.9.1	Responsibility for testing	1048
7.9.2	Actions in event of non-compliance	1050
7.9.3	Audits of information held in metering installations	1050
7.9.4	Errors found in metering tests, inspections or audits.....	1051
7.9.5	Retention of test records and documents	1052
7.9.6	Metering installation registration process.....	1053
Part E	Metering Data	1053
7.10	Metering Data Services	1053
7.10.1	Metering Data Services.....	1053
7.10.2	Data management and storage	1054
7.10.3	Provision of metering data to certain persons.....	1055
7.10.4	Use of check metering data.....	1055
7.10.5	Periodic energy metering	1056
7.10.6	Time settings.....	1056
7.10.7	Metering data performance standards.....	1057
7.11	Metering data and database	1058
7.11.1	Metering database	1058

7.11.2	Data validation, substitution and estimation.....	1059
7.11.3	Changes to energy data or to metering data.....	1060
7.12	Register of Metering Information	1060
7.12.1	Metering register.....	1060
7.12.2	Metering register discrepancy.....	1060
7.13	Disclosure of NMI information.....	1061
7.13.1	Application of this Rule.....	1061
7.13.2	NMI and NMI checksum	1061
7.13.3	NMI Standing Data.....	1061
7.14	Metering data provision to retail customers	1061
Part F	Security of metering installation and energy data.....	1062
7.15	Security of metering installation and energy data.....	1062
7.15.1	Confidentiality	1062
7.15.2	Security of metering installations	1063
7.15.3	Security controls for energy data	1063
7.15.4	Additional security controls for small customer metering installations	1065
7.15.5	Access to data	1066
Part G	Procedures	1067
7.16	Procedures	1067
7.16.1	Obligation to establish, maintain and publish procedures	1067
7.16.2	Market Settlement and Transfer Solution Procedures	1068
7.16.3	Requirements of the metrology procedure	1068
7.16.4	Jurisdictional metrology material in metrology procedure.....	1070
7.16.5	Additional metrology procedure matters	1071
7.16.6	Requirements of the service level procedures	1072
7.16.6A	Requirements of the ENM service level procedures	1073
7.16.6B	Guide to embedded networks	1074
7.16.7	Amendment of procedures in the Metering Chapter	1074
7.16.8	National Measurement Act	1075
Part H	B2B Requirements	1076
7.17	B2B Arrangements	1076
7.17.1	B2B e-Hub	1076
7.17.2	B2B e-Hub Participants	1076
7.17.3	Content of the B2B Procedures	1077
7.17.4	Changing B2B Procedures.....	1078
7.17.5	B2B Decision.....	1080
7.17.6	Establishment of Information Exchange Committee.....	1081
7.17.7	Functions and powers of Information Exchange Committee	1082
7.17.8	Obligations of Members	1083
7.17.9	Meetings of Information Exchange Committee	1084
7.17.10	Nomination, election and appointment of Members	1084
7.17.11	Qualifications of Members	1085
7.17.12	Information Exchange Committee Election Procedures and Information Exchange Committee Operating Manual.....	1086
7.17.13	Cost Recovery.....	1087

Schedule 7.1	Metering register	1087
S7.1.1	General.....	1087
S7.1.2	Metering register information.....	1087
Schedule 7.2	Metering Provider	1088
S7.2.1	General.....	1088
S7.2.2	Categories of registration.....	1089
S7.2.3	Capabilities of Metering Providers for metering installations types 1, 2, 3, 4 and 4A.....	1090
S7.2.4	Capabilities of Metering Providers for metering installations types 5 and 6.....	1092
S7.2.5	Capabilities of Metering Providers for small customer metering installations	1093
S7.2.6	Capabilities of the Accredited Service Provider category	1093
Schedule 7.3	Metering Data Provider	1093
S7.3.1	General.....	1093
S7.3.2	Categories of registration.....	1093
S7.3.3	Capabilities of Metering Data Providers	1094
S7.3.4	Capabilities of Metering Data Providers for small customer metering installations.....	1096
Schedule 7.4	Types and Accuracy of Metering installations.....	1096
S7.4.1	General requirements.....	1096
S7.4.2	Metering installations commissioned prior to 13 December 1998	1096
S7.4.3	Accuracy requirements for metering installations	1097
S7.4.4	Check metering.....	1102
S7.4.5	Resolution and accuracy of displayed or captured data.....	1103
S7.4.6	General design standards	1103
S7.4.6.1	Design requirements	1103
S7.4.6.2	Design guidelines.....	1104
Schedule 7.5	Requirements of minimum services specification.....	1105
S7.5.1	Minimum services specification	1105
Schedule 7.6	Inspection and Testing Requirements	1108
S7.6.1	General.....	1108
S7.6.2	Technical Guidelines	1110
Schedule 7.7	Embedded Network Managers.....	1111
S7.7.1	General.....	1111
S7.7.2	Capabilities of Embedded Network Managers	1111
8.	Administrative Functions	1115
Part A	Introductory	1115
8.1	Administrative functions.....	1115
8.1.1	[Deleted]	1115
8.1.2	[Deleted]	1115
8.1.3	Structure of this Chapter.....	1115
Part B	Disputes.....	1115
8.2	Dispute Resolution	1115

8.2.1	Application and guiding principles.....	1115
8.2.2	The Dispute Resolution Adviser.....	1118
8.2.3	Dispute management systems of Registered Participants and AEMO.....	1119
8.2.4	Stage 1 - dispute resolution through Registered Participants' DMS.....	1120
8.2.5	Stage 2 - dispute resolution process.....	1122
8.2.6A	Establishment of Dispute Resolution Panel.....	1122
8.2.6B	Parties to DRP Proceedings.....	1123
8.2.6C	Proceedings of the DRP.....	1124
8.2.6D	Decisions of the DRP.....	1125
8.2.6	[Deleted].....	1125
8.2.7	Legal representation.....	1125
8.2.8	Cost of dispute resolution.....	1126
8.2.9	Effect of resolution.....	1126
8.2.10	Recording and publication.....	1127
8.2.11	Appeals on questions of law.....	1127
8.2.12	[Deleted].....	1127
8.2A	B2B Determination Disputes	1127
8.2A.1	Application of rule 8.2.....	1127
8.2A.2	How rule 8.2 applies.....	1127
8.3	Power to make Electricity Procedures.....	1130
8.4	[Deleted].....	1130
8.5	[Deleted].....	1130
Part C	Registered Participants' confidentiality obligations.....	1130
8.6	Confidentiality.....	1130
8.6.1	Confidentiality.....	1130
8.6.1A	Application.....	1131
8.6.2	Exceptions.....	1131
8.6.3	Conditions.....	1133
8.6.4	[Deleted].....	1133
8.6.5	Indemnity to AER, AEMC and AEMO.....	1133
8.6.6	AEMO information.....	1133
8.6.7	Information on Rules Bodies.....	1133
Part D	Monitoring and reporting.....	1134
8.7	Monitoring and Reporting.....	1134
8.7.1	Monitoring.....	1134
8.7.2	Reporting requirements and monitoring standards for Registered Participants and AEMO.....	1134
8.7.3	Consultation required for making general regulatory information order (Section 28H of the NEL).....	1136
8.7.4	Preparation of network service provider performance report (Section 28V of the NEL).....	1137
8.7.5	[Deleted].....	1138
8.7.6	Recovery of reporting costs.....	1138
Part E	Reliability panel.....	1138
8.8	Reliability Panel.....	1138

8.8.1	Purpose of Reliability Panel	1138
8.8.2	Constitution of the Reliability Panel.....	1140
8.8.3	Reliability Panel review process.....	1142
8.8.4	Determination of protected events	1144
Part F	Rules consultation procedures.....	1146
8.9	Rules Consultation Procedures	1146
Part G	Consumer advocacy funding	1148
8.10	Consumer advocacy funding obligation	1148
Part H	Augmentations	1148
8.11	Augmentations	1148
8.11.1	Application	1148
8.11.2	Object.....	1148
8.11.3	Definitions	1149
8.11.4	Planning criteria.....	1149
8.11.5	Construction of augmentation that is not a contestable augmentation.....	1150
8.11.6	Contestable augmentations	1150
8.11.7	Construction and operation of contestable augmentation.....	1151
8.11.8	Funded augmentations that are not subject to the tender process.....	1153
8.11.9	Contractual requirements and principles	1153
8.11.10	Annual planning review.....	1154
Schedule 8.11	Principles to be reflected in agreements relating to contestable augmentations	1154
S8.11.1	Risk allocation	1154
S8.11.2	Minimum requirements for agreements relating to contestable augmentation.....	1155
S8.11.3	Matters to be dealt with in relevant agreements	1156
Part I	Values of customer reliability	1156
8.12	Development of methodology and publication of values of customer reliability	1156
8A.	Participant Derogations.....	1161
Part 1	Derogations Granted to TransGrid	1161
8A.1	[Deleted].....	1161
Part 2	Derogations Granted to EnergyAustralia	1161
8A.2	[Deleted].....	1161
8A.2A	[Deleted].....	1161
Part 3	[Deleted].....	1161
Part 4	[Deleted].....	1161
Part 5	[Deleted].....	1161
Part 6	Derogations Granted to Victorian Market Participants	1161
Part 7	[Deleted].....	1162

Part 8	[Deleted]	1162
Part 9	[Deleted]	1162
Part 10	[Deleted]	1162
Part 11	[Deleted]	1162
Part 12	[Deleted]	1162
Part 13	Derogation granted to Aurora Energy (Tamar Valley) Pty Ltd	1162
8A.13	[Deleted]	1162
Part 14	Derogations granted to Ausgrid, Endeavour Energy and Essential Energy	1162
8A.14	Derogations from Chapter 6 for the current regulatory control period and subsequent regulatory control period	1162
8A.14.1	Definitions	1162
8A.14.2	Expiry date	1166
8A.14.3	Application of Rule 8A.14	1166
8A.14.4	Recovery of revenue across the current regulatory control period and subsequent regulatory control period	1167
8A.14.5	Recovery of revenue in subsequent regulatory control period only and no reopening of subsequent distribution determination required	1168
8A.14.6	Recovery of revenue in subsequent regulatory control period only and reopening of distribution determination is required	1169
8A.14.7	Requirements for adjustment determination	1170
8A.14.8	Application of Chapter 6 under participant derogation	1171
Part 15	Derogations granted to ActewAGL	1172
8A.15	Derogations from Chapter 6 for the current regulatory control period and subsequent regulatory control period	1172
8A.15.1	Definitions	1172
8A.15.2	Expiry date	1176
8A.15.3	Application of Rule 8A.15	1176
8A.15.4	Recovery of revenue across the current regulatory control period and subsequent regulatory control period	1176
8A.15.5	Recovery of revenue in subsequent regulatory control period only and no reopening of subsequent distribution determination required	1178
8A.15.6	Recovery of revenue in subsequent regulatory control period only and reopening of distribution determination is required	1179
8A.15.7	Requirements for adjustment determination	1181
8A.15.8	Application of Chapter 6 under participant derogation	1181
9.	Jurisdictional Derogations and Transitional Arrangements	1187
9.1	Purpose and Application	1187
9.1.1	Purpose	1187
9.1.2	Jurisdictional Derogations	1187
Part A	Jurisdictional Derogations for Victoria	1187
9.2	[Deleted]	1187

9.3	Definitions.....	1187
9.3.1	General Definitions.....	1187
9.3.2	[Deleted]	1189
9.3A	Fault levels.....	1189
9.4	Transitional Arrangements for Chapter 2 - Registered Participants, Registration and Cross Border Networks	1190
9.4.1	[Deleted]	1190
9.4.2	Smelter Trader	1190
9.4.3	Smelter Trader: compliance.....	1190
9.4.4	Report from AER.....	1193
9.4.5	Cross Border Networks.....	1193
9.5	[Deleted].....	1194
9.6	Transitional Arrangements for Chapter 4 - System Security	1194
9.6.1	Operating Procedures (clause 4.10.1)	1194
9.6.2	Nomenclature Standards (clause 4.12)	1194
9.7	Transitional Arrangements for Chapter 5 - Network Connection.....	1194
9.7.1	[Deleted]	1194
9.7.2	[Deleted]	1194
9.7.3	[Deleted]	1194
9.7.4	Regulation of Distribution Network Connection.....	1194
9.7.5	[Deleted]	1195
9.7.6	[Deleted]	1195
9.7.7	[Deleted]	1195
9.8	Transitional Arrangements for Chapter 6 - Network Pricing.....	1195
9.8.1	[Deleted]	1195
9.8.2	[Deleted]	1195
9.8.3	[Deleted]	1195
9.8.4	Transmission Network Pricing	1195
9.8.4A	[Deleted]	1197
9.8.4B	[Deleted]	1197
9.8.4C	[Deleted]	1197
9.8.4D	[Deleted]	1197
9.8.4E	[Deleted]	1197
9.8.4F	[Deleted]	1197
9.8.4G	[Deleted]	1197
9.8.5	[Deleted]	1197
9.8.6	[Deleted]	1197
9.8.7	Distribution network pricing – transitional application of former Chapter 6.....	1197
9.8.8	Exclusion of AER's power to aggregate distribution systems and parts of distribution systems	1198
9.9	Transitional Arrangements for Chapter 7 - Metering	1198
9.9.1	Metering Installations To Which This Schedule Applies.....	1198
9.9.2	[Deleted]	1199
9.9.3	[Deleted]	1199
9.9.4	[Deleted]	1199

9.9.5	[Deleted]	1199
9.9.6	[Deleted]	1199
9.9.7	[Deleted]	1199
9.9.8	[Deleted]	1199
9.9.9	Periodic Energy Metering (clause 7.9.3)	1199
9.9.10	Use of Alternate Technologies (clause 7.13)	1199
9.9A	[Deleted]	1200
9.9B	[Deleted]	1200
9.9C	[Deleted]	1200
1.	Interpretation of tables	1200
2.	Continuing effect	1200
3.	Subsequent agreement	1201
4.	[Deleted]	1201
5.	Reactive Power Capability (clause S5.2.5.1 of schedule 5.2)	1201
6.	[Deleted]	1202
7.	[Deleted]	1202
8.	[Deleted]	1202
9.	[Deleted]	1202
10.	[Deleted]	1202
11.	[Deleted]	1202
12.	[Deleted]	1202
13.	Governor Systems (load control) (clause S5.2.5.11 of schedule 5.2)	1202
14.	[Deleted]	1202
15.	[Deleted]	1202
16.	Excitation Control System (clause S5.2.5.13 of schedule 5.2)	1202
Part B	Jurisdictional Derogations for New South Wales	1203
9.10	[Deleted]	1203
9.11	Definitions	1203
9.11.1	Definitions used in this Part B	1203
9.12	Transitional Arrangements for Chapter 2 - Generators, Registered Participants, Registration and Cross Border Networks	1204
9.12.1	[Deleted]	1204
9.12.2	Customers	1204
9.12.3	Power Traders	1204
9.12.4	Cross Border Networks	1207
9.13	[Deleted]	1208
9.14	Transitional Arrangements for Chapter 4 - System Security	1208
9.14.1	Power System Operating Procedures	1208
9.15	NSW contestable services for Chapter 5A	1208
9.15.1	Definitions	1208
9.15.2	Chapter 5A not to apply to certain contestable services	1208
9.16	Transitional Arrangements for Chapter 6 - Network Pricing	1208
9.16.1	NSW contestable services	1208
9.16.2	[Deleted]	1208

9.16.3	Jurisdictional Regulator	1208
9.16.4	Deemed Regulated Interconnector	1209
9.16.5	[Deleted]	1209
9.17	Transitional Arrangements for Chapter 7 - Metering	1209
9.17.1	Extent of Derogations	1209
9.17.2	Initial Registration (clause 7.1.2)	1209
9.17.3	Amendments to Schedule 9G1	1209
9.17.4	Compliance with AS/NZ ISO 9002 (clause S7.4.3(f) of schedule 7.4)	1210
9.17A	[Deleted]	1210
9.18	[Deleted]	1210
Part C	Jurisdictional Derogations for the Australian Capital Territory	1210
9.19	[Deleted]	1210
9.20	Definitions and Transitional Arrangements for Cross-Border Networks	1210
9.20.1	Definitions	1210
9.20.2	Cross Border Networks	1210
9.21	[Deleted]	1211
9.22	[Deleted]	1211
9.23	Transitional Arrangements for Chapter 6 - Network Pricing	1211
9.23.1	[Deleted]	1211
9.23.2	[Deleted]	1211
9.23.3	[Deleted]	1211
9.23.4	[Deleted]	1211
9.24	Transitional Arrangements	1211
9.24.1	Chapter 7 - Metering	1211
9.24.2	[Deleted]	1211
9.24A	[Deleted]	1211
Part D	Jurisdictional Derogations for South Australia	1211
9.25	Definitions	1211
9.25.1	[Deleted]	1211
9.25.2	Definitions	1211
9.26	Transitional Arrangements for Chapter 2 - Registered Participants, Registration And Cross Border Networks	1214
9.26.1	Registration as a Generator	1214
9.26.2	Registration as a Customer	1215
9.26.3	Cross Border Networks	1215
9.26.4	[Deleted]	1215
9.26.5	Registration as a Network Service Provider	1215
9.27	[Deleted]	1216
9.28	Transitional Arrangements for Chapter 5 - Network Connection	1216
9.28.1	Application of clause 5.2	1216

9.28.2	[Deleted]	1217
9.29	Transitional Arrangements for Chapter 6 - Economic Regulation of Distribution Services	1217
9.29.1	[Deleted]	1217
9.29.2	[Deleted]	1217
9.29.3	[Deleted]	1217
9.29.4	[Deleted]	1217
9.29.5	Distribution Network Pricing – South Australia	1217
9.29.6	Capital contributions, prepayments and financial guarantees	1218
9.29.7	Ring fencing.....	1218
9.29A	Monitoring and reporting	1218
9.30	Transitional Provisions	1219
9.30.1	Chapter 7 - Metering.....	1219
Part E	Jurisdictional Derogations for Queensland.....	1219
9.31	[Deleted]	1219
9.32	Definitions and Interpretation.....	1219
9.32.1	Definitions	1219
9.32.2	Interpretation.....	1222
9.33	Transitional Arrangements for Chapter 1	1222
9.33.1	[Deleted]	1222
9.34	Transitional Arrangements for Chapter 2 - Registered Participants and Registration.....	1222
9.34.1	Application of the Rules in Queensland (clauses 2.2 and 2.5)	1222
9.34.2	Stanwell Cross Border Leases (clause 2.2).....	1222
9.34.3	[Deleted]	1222
9.34.4	Registration as a Customer (clause 2.3.1)	1222
9.34.5	There is no clause 9.34.5	1223
9.34.6	Exempted generation agreements (clause 2.2)	1223
9.35	[Deleted]	1227
9.36	[Deleted]	1227
9.37	Transitional Arrangements for Chapter 5 - Network Connection	1227
9.37.1	[Deleted]	1227
9.37.2	Existing connection and access agreements (clause 5.2).....	1227
9.37.3	[Deleted]	1228
9.37.4	[Deleted]	1228
9.37.5	Forecasts for connection points to transmission network (clause 5.11.1)	1228
9.37.6	There is no clause 9.37.6	1228
9.37.7	Cross Border Networks.....	1228
9.37.8	[Deleted]	1229
9.37.9	Credible contingency events (clause S5.1.2.1 of schedule 5.1).....	1229
9.37.10	Reactive power capability (clause S5.2.5.1 of schedule 5.2)	1229
9.37.11	[Deleted]	1230
9.37.12	Voltage fluctuations (clause S5.1.5 of schedule 5.1).....	1230

9.37.13	[Deleted]	1232
9.37.14	[Deleted]	1232
9.37.15	[Deleted]	1232
9.37.16	[Deleted]	1232
9.37.17	[Deleted]	1232
9.37.18	[Deleted]	1232
9.37.19	Generating unit response to disturbances (clause S5.2.5.3 of schedule 5.2)	1232
9.37.20	[Deleted]	1232
9.37.21	Excitation control system (clause S.5.2.5.13 of schedule 5.2)	1232
9.37.22	[Deleted]	1233
9.37.23	Annual forecast information for planning purposes (schedule 5.7).....	1233
9.38	Transitional Arrangements for Chapter 6 - Network Pricing.....	1233
9.38.1	[Deleted]	1233
9.38.2	[Deleted]	1233
9.38.3	[Deleted]	1233
9.38.4	Interconnectors between regions	1233
9.38.5	Transmission pricing for exempted generation agreements	1233
9.39	Transitional Arrangements for Chapter 7 - Metering	1234
9.39.1	Metering installations to which this clause applies	1234
9.39.2	[Deleted]	1235
9.39.3	[Deleted]	1235
9.39.4	[Deleted]	1235
9.39.5	[Deleted]	1235
9.40	Transitional Arrangements for Chapter 8 - Administration Functions	1235
9.40.1	[Deleted]	1235
9.40.2	[Deleted]	1235
9.40.3	[Deleted]	1235
9.41	[Deleted]	1235
Part F	Jurisdictional Derogations for Tasmania	1236
9.42	Definitions and interpretation	1236
9.42.1	Definitions	1236
9.42.2	Interpretation.....	1237
9.42.3	National grid, power system and related expressions.....	1237
9.43	[Deleted]	1238
9.44	Transitional arrangements for Chapter 2 – Registered Participants and Registration - Customers (clause 2.3.1(e)).....	1238
9.45	Tasmanian Region (clause 3.5)	1238
9.47	Transitional arrangements for Chapter 5- Network Connection	1238
9.47.1	Existing Connection Agreements	1238
9.48	Transitional arrangements - Transmission and Distribution Pricing.....	1238
9.48.4A	Ring fencing.....	1238
9.48.4B	Uniformity of tariffs for small customers	1239

9.48.5	Transmission network.....	1239
9.48.6	Deemed regulated interconnector	1239
Part G	Schedules to Chapter 9	1239
1.	Introduction.....	1239
2.	[Deleted]	1239
3.	General Principle	1239
4.	[Deleted]	1240
5.	Accuracy Requirements.....	1240
6.	[Deleted]	1240
7.	[Deleted]	1240
8.	[Deleted]	1240
9.	[Deleted]	1240
10.	[Deleted]	1240
10.	Glossary.....	1243
11.	Savings and Transitional Rules.....	1361
Part A	Definitions.....	1361
Part B	System Restart Ancillary Services (2006 amendments)	1361
11.2	Rules consequent on making of the National Electricity Amendment (System Restart Ancillary Services and pricing under market suspension) Rule 2006.....	1361
11.2.1	Transitional provision for acquisition of non-market ancillary services	1361
11.3	[Deleted].....	1362
Part C	Dispute Resolution for Regulatory Test (2006 amendments)	1362
11.4	Rules consequent on making of the National Electricity Amendment (Dispute Resolution for Regulatory Test) Rule 2006	1362
11.4.1	Continuation of things done under old clause 5.6.6	1362
Part D	Metrology (2006 amendments)	1363
11.5	Rules consequential on the making of the National Electricity Amendment (Metrology) Rule 2006.....	1363
11.5.1	Definitions	1363
11.5.2	Metrology procedures continues to apply until 31 December 2006	1363
11.5.3	Responsible person	1363
11.5.4	NEMMCO's responsibility to develop a metrology procedure	1363
11.5.5	Jurisdictional metrology material in the metrology procedure.....	1364
Part E	Economic Regulation of Transmission Services (2006 amendments)	1364
11.6	Rules consequent on making of the National Electricity Amendment (Economic Regulation of Transmission Services) Rule 2006	1364
11.6.1	Definitions	1364
11.6.2	New Chapter 6A does not affect existing revenue determinations.....	1365

11.6.3	Old Part C and Schedules 6.2, 6.3, 6.4, 6.7 and 6.8 of old Chapter 6	1366
11.6.4	Old Part F of Chapter 6.....	1366
11.6.5	Application of new Chapter 6A to Transmission Network Service Providers	1366
11.6.6	Application of Chapter 6 to old distribution matters	1366
11.6.7	References to the old Chapter 6.....	1366
11.6.8	References to provisions of the old Chapter 6.....	1367
11.6.9	Roll forward of regulatory asset base for first regulatory control period	1367
11.6.10	Other adjustment carry-over mechanisms from current to first regulatory control period	1367
11.6.11	Clause consequent upon making National Electricity Amendment (Cost Allocation Arrangements for Transmission Services) Rule No 2009 No 3 - Transition to new Chapter 6A: existing prescribed connection services	1367
11.6.12	Powerlink transitional provisions	1370
11.6.13	ElectraNet easements transitional provisions	1373
11.6.14	TransGrid contingent projects	1373
11.6.15	Transmission determination includes existing revenue determinations.....	1374
11.6.16	References to regulatory control period.....	1374
11.6.17	Consultation procedure for first proposed guidelines.....	1374
11.6.18	Reliance on proposed guidelines for SP AusNet, VENCORP and ElectraNet	1375
11.6.19	EnergyAustralia transitional provisions	1375
11.6.20	Basslink transitional provisions	1377
11.6.21	SPI Powernet savings and transitional provision.....	1379
11.6.22	Interim arrangements pricing-related information.....	1380
Part F	Reform of Regulatory Test Principles (2006 amendments).....	1381
11.7	Rules consequent on making of the National Electricity Amendment (Reform of the Regulatory Test Principles) Rule 2006	1381
11.7.1	Definitions	1381
11.7.2	Amending Rule does not affect old clause 5.6.5A	1381
Part G	Pricing of Prescribed Transmission Services (2006 amendments)	1381
11.8	Rules consequent on making the National Electricity Amendment (Pricing of Prescribed Transmission Services) Rule 2006	1381
11.8.1	Definitions	1381
11.8.2	Regulated interconnectors	1382
11.8.3	Application of new Part J of Chapter 6A to Transmission Network Service Providers.....	1382
11.8.4	Reliance on agreed interim guideline for ElectraNet, SPAusNet, and VenCorp.....	1383
11.8.5	Prudent discounts under existing agreements.....	1383
11.8.6	Application of prudent discounts regime under rule 6A.26.....	1383
11.8.7	Prudent discounts pending approval of pricing methodology	1383

Part H	Reallocations (2007 amendments)	1384
11.9	Rules consequent on the making of the National Electricity Amendment (Reallocations) Rule 2007	1384
11.9.1	Definitions	1384
11.9.2	Existing and transitional reallocations	1384
Part I	Technical Standards for Wind Generation (2007 amendments).....	1385
11.10	Rules consequent on making of the National Electricity Amendment (Technical Standards for Wind Generation and other Generator Connections) Rule 2007	1385
11.10.1	Definitions	1385
11.10.2	Provision of information under S5.2.4 in registration application	1385
11.10.3	Access standards made under the old Chapter 5.....	1386
11.10.4	Modifications to plant by Generators	1386
11.10.5	Technical Details to Support Application for Connection and Connection Agreement	1386
11.10.6	Transitional arrangements for establishment of performance standards	1386
11.10.7	Jurisdictional Derogations for Queensland.....	1386
11.10A	Rules consequent on the making of the National Electricity Amendment (Central Dispatch and Integration of Wind and Other Intermittent Generation) Rule 2008	1387
11.10A.1	Definitions	1387
11.10A.2	Registration and reclassification of classified generating units.....	1388
11.10A.3	Registered generating unit	1388
11.10A.4	Classification of potential semi-scheduled generating unit	1388
11.10A.5	Participant fees.....	1389
11.10A.6	Timetable	1389
11.10A.7	Procedure for contribution factors for ancillary service transactions	1389
11.10A.8	Guidelines for energy conversion model information	1389
Part J	Cost Recovery of Localised Regulation Services (2007 amendments)	1390
11.11	Rules consequent on making of the National Electricity Amendment (Cost Recovery of Localised Regulation Services) Rule 2007	1390
11.11.1	Definitions	1390
11.11.2	Action taken by NEMMCO for the purposes of Amending Rule	1390
11.12	[Deleted]	1390
Part L	[Deleted].....	1390
Part M	Economic Regulation of Distribution Services (2007 amendments)	1390
Division 1	General Provisions.....	1390
11.14	General provisions	1390
11.14.1	Application of this Division.....	1390
11.14.2	Definitions	1390
11.14.3	Preservation of old regulatory regime	1391

11.14.4	Transfer of regulatory responsibility	1392
11.14.5	Special requirements with regard to ring fencing.....	1392
11.14.6	Additional requirements with regard to cost allocation.....	1393
11.14.7	Construction of documents	1393
Division 2	[Deleted].....	1394
Division 3	Transitional arrangements for first distribution determination for Queensland Distribution Network Service Providers	1394
11.16	Transitional arrangements for first distribution determination for Queensland Distribution Network Service Providers	1394
11.16.1	Definitions	1394
11.16.2	Application of Part to Queensland 2010 distribution determinations	1394
11.16.3	Treatment of the regulatory asset base	1394
11.16.4	Efficiency Benefit Sharing Scheme	1395
11.16.5	Service Target Performance Incentive Scheme	1395
11.16.6	Framework and approach	1395
11.16.7	Regulatory Proposal.....	1395
11.16.8	Side constraints	1396
11.16.9	Cost pass throughs	1396
11.16.10	Capital Contributions Policy.....	1396
Division 4	Transitional provisions of specific application to Victoria	1397
11.17	Transitional provisions of specific application to Victoria	1397
11.17.1	Definitions	1397
11.17.2	Calculation of estimated cost of corporate income tax.....	1397
11.17.3	Decisions made in the absence of a statement of regulatory intent	1397
11.17.4	Cost allocation guidelines.....	1398
11.17.5	Modification of requirements related to cost allocation method	1398
11.17.6	AMI Order in Council	1399
Part N	Registration of Foreign Based Persons and Corporations as Trader Class Participants (2007 amendments).....	1399
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	1399
11.18.1	Definitions	1399
11.18.2	Auction rules.....	1399
Part O	Process for Region Change (2007 amendments).....	1400
11.19	Rules consequent on making of the National Electricity Amendment (Process for Region Change) Rule 2007	1400
11.19.1	Definitions	1400
11.19.2	Regions Publication	1400
Part P	Integration of NEM Metrology Requirements.....	1400
11.20	Rules consequential on the making of the National Electricity Amendment (Integration of NEM Metrology Requirements) Rule 2008	1400
11.20.1	Definitions	1400

11.20.2	Metering installations for non-market generating units immediately prior to 30 June 2008	1400
11.20.3	First-tier load metering installations	1401
11.20.4	First-tier load metering installations in Victoria	1401
11.20.5	Minimalist Transitioning Approach in Queensland	1401
11.20.6	First-tier jurisdictional requirements publication	1402
11.20.7	Metrology procedure	1402
Part PA	Reliability Settings: Information Safety Net and Directions	1402
11.21	Rules consequential on the making of the National Electricity Amendment (NEM Reliability Settings: Information Safety Net and Directions) Rule 2008	1402
11.21.1	Definitions	1402
11.21.2	EAAP guidelines	1402
11.21.3	[Deleted]	1402
11.21.4	[Deleted]	1402
11.21.5	Timetable	1402
11.21.6	Power system security and reliability standards	1403
11.21.7	Report on statement of opportunities	1403
11.21.8	Methodology for dispatch prices and ancillary services prices	1403
Part Q	Regulatory Test Thresholds and Information Disclosure on Network Replacements	1403
11.22	Rules consequential on the making of the National Electricity Amendment (Regulatory Test Thresholds and Information Disclosure on Network Replacements) Rule 2008	1403
11.22.1	Definitions	1403
11.22.2	Amending Rule does not affect existing regulatory test	1404
Part R	Performance Standard Compliance of Generators	1404
11.23	Rules consequential on the making of the National Electricity Amendment (Performance Standards Compliance of Generators) Rule 2008	1404
11.23.1	Definitions	1404
11.23.2	Application of rule 11.23 for compliance programs implemented immediately after the commencement of the Amending Rule	1404
11.23.3	Application of rule 11.23 for compliance programs implemented immediately prior to the commencement of the Amending Rule	1404
11.23.4	Application of rule 11.23 for compliance programs not implemented immediately prior to the commencement of the Amending Rule	1405
Part S	[Deleted]	1405
Part U	Confidentiality Arrangements concerning Information required for Power System Studies	1405
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	1405
11.25.1	Definitions	1405
11.25.2	Transitional arrangements for the provision of information	1405

Part V	WACC Reviews: Extension of Time	1407
11.26	Rule consequential on the making of the National Electricity Amendment (WACC Reviews: Extension of Time) Rule 2009	1407
11.26.1	Definitions	1407
11.26.2	Extension of time to submit a regulatory proposal for the regulatory control period 2010-2015	1407
Part W	National Transmission Statement	1407
11.27	Rules consequent on the making of the National Electricity Amendment (National Transmission Statement) Rule 2009	1407
11.27.1	Definitions	1407
11.27.2	Purpose	1407
11.27.3	Application of rule 11.27	1408
11.27.4	National Transmission Statement	1408
11.27.5	Scope and Content of National Transmission Network Development Plan	1409
11.27.6	Energy Adequacy Assessment Projection	1410
11.27.7	Amendment to Last Resort Power	1410
11.27.8	Actions taken prior to commencement of Rule	1410
Part X	National Transmission Planning	1410
11.28	Rules consequential on the making of the National Electricity (Australian Energy Market Operator) Amendment Rules 2009	1410
11.28.1	Definitions	1410
11.28.2	Jurisdictional planning bodies and representatives	1410
11.28.3	Criteria and guidelines published by Inter-regional Planning Committee	1411
11.28.4	Augmentation technical reports	1411
11.28.5	Last Resort Planning Power	1411
11.28.6	Inter-network power system tests	1411
11.28.7	Control and protection settings for equipment	1412
11.28.8	Revenue Proposals	1412
Part Y	Regulatory Investment Test for Transmission	1412
11.29	Rules consequent on making of the National Electricity Amendment (Regulatory Investment Test for Transmission) Rule 2009	1412
11.29.1	Definitions	1412
11.29.2	Period when Amending Rule applies to transmission investment	1413
Part Z	Congestion Information Resource	1413
11.30	Rules consequent on the making of the National Electricity Amendment (Congestion Information Resource) Rule 2009	1413
11.30.1	Definitions	1413
11.30.2	Interim congestion Information resource	1414
Part ZA	Reliability and emergency reserve trader (2009 amendments)	1416
11.31	Rules consequent on the making of the National Electricity Amendment (Improved RERT Flexibility and Short-notice Reserve Contracts) Rule 2009	1416

11.31.1	Definitions	1416
11.31.2	Purpose	1416
11.31.3	Amendments to Reliability Panel's RERT Guidelines	1416
11.31.4	Amendments to AEMO's RERT procedures for exercising the RERT	1417
Part ZB	Early Application of Market Impact Parameters.....	1417
11.32	Rules consequent on the making of the National Electricity Amendment (Early Implementation of Market Impact Parameters) Rule 2010	1417
11.32.1	Definitions	1417
11.32.2	Purpose	1418
11.32.3	Early application of the market impact component of the service target performance incentive scheme	1418
Part ZC	Transparency of operating data	1421
11.33	Rules consequential on the making of National Electricity Amendment (Transparency of Operating Data) Rule 2010	1421
11.33.1	Definitions	1421
11.33.2	Spot market operations timetable	1421
Part ZD	Cost Recovery for Other Services Directions.....	1423
11.34	Rules consequent on making of the National Electricity Amendment (Cost Recovery for Other Services Directions) Rule 2010	1423
11.34.1	Definitions	1423
11.34.2	Period when Amending Rules applies to funding of compensation.....	1423
Part ZE	Payments under Feed-in Schemes and Climate Change Funds	1423
11.35	Rules consequential on the making of the National Electricity Amendment (Payments under Feed-in Schemes and Climate Change Funds) Rule 2010	1423
11.35.1	Definitions	1423
11.35.2	Application of recovery of jurisdictional scheme Rules.....	1424
11.35.3	Reporting on jurisdictional schemes.....	1425
11.35.4	Revocation and substitution of distribution determination for jurisdictional scheme recovery	1426
Part ZF	Transitional Arrangements for Ministerial Smart Meter Roll Out Determinations	1427
11.36	Ministerial Smart Meter Roll Out Determinations	1427
11.36.1	Definitions	1427
11.36.2	Meaning of relevant metering installation	1427
11.36.3	Period of application of rule to relevant metering installation	1427
11.36.4	Designation of responsible person.....	1428
11.36.5	[Deleted]	1428
11.36.6	[Deleted]	1428
Part ZG	Provision of Metering Data Services and Clarification of Existing Metrology Requirements.....	1428

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	1428
11.37.1	Definitions	1428
11.37.2	Commencement of special site or technology related conditions.....	1428
11.37.3	Initial service level procedures	1428
Part ZH	Spot Market Operations Timetable	1429
11.38	Rules consequential on the making of National Electricity Amendment (Amendments to PASA-related Rules) Rule 2010	1429
11.38.1	Definitions	1429
11.38.2	Spot market operations timetable	1429
Part ZI	DNSP Recovery of Transmission-related Charges	1430
11.39	Rules consequential on the making of the National Electricity Amendment (DNSP Recovery of Transmission-related Charges) Rule 2011	1430
11.39.1	Definitions	1430
11.39.2	Recovery by Victorian distribution network service providers during current regulatory control period.....	1431
11.39.3	Recovery by Victorian distribution network service providers for shared network augmentations	1431
11.39.4	Bairnsdale network support agreement	1431
11.39.5	Approval of pricing proposal	1431
11.39.6	Ergon Energy transitional charges	1432
11.39.7	Energex transitional charges	1432
Part ZJ	Network Support and Control Ancillary Services.....	1432
11.40	Rules consequential on the making of the National Electricity Amendment (Network Support and Control Ancillary Services) Rule 2011	1432
11.40.1	Definitions	1432
11.40.2	Purpose	1432
11.40.3	Existing NCAS contracts to continue	1432
11.40.4	Amendments to existing guidelines	1433
11.40.5	New procedures	1433
11.40.6	Decisions and actions taken prior to Amending Rule	1433
Part ZK	Application of Dual Marginal Loss Factors	1433
11.41	Rules consequential on the making of the National Electricity Amendment (Application of Dual Marginal Loss Factors) Rule 2011	1433
11.41.1	Definitions	1433
11.41.2	Amendments to loss factor methodology	1434
11.41.3	Procedure applying dual intra-regional loss factors in central dispatch and spot market transactions	1434
11.41.4	Publication of intra-regional loss factors	1434
Part ZL	Tasmania Tranche 5a Procedure Changes.....	1434

11.42	Rules consequential on the making of the National Electricity Amendment (Tasmania Tranche 5a Procedure Changes) Rule 2011	1434
11.42.1	Definitions	1434
11.42.2	AEMO may amend Relevant Procedures	1435
Part ZM	Application and Operation of Administered Price Periods.....	1435
11.43	Rules consequential on the making of National Electricity Amendment (Application and Operation of Administered Price Periods) Rule 2011	1435
11.43.1	Definitions	1435
11.43.2	Administered Price Cap Schedule	1435
Part ZO	Negative Intra-regional Settlements Residue.....	1436
11.45	Rules consequential on the making of National Electricity Amendment (Negative Intra-regional Settlements Residue) Rule 2012	1436
11.45.1	Definitions	1436
11.45.2	Recovery of negative settlements residue prior to consultation under the Amending Rule	1436
11.45.3	First consultation on negative intra-regional settlements residue procedure	1437
Part ZP	Interim Connection Charging Rules.....	1437
11.46	Rules consequential to the insertion of Chapter 5A by the National Electricity (National Energy Retail Law) Amendment Rule 2012	1437
Division 1	Preliminary.....	1437
11.46.1	Definitions	1437
11.46.2	Extended meaning of some terms	1439
11.46.3	Transitional operation of relevant provisions	1439
Division 2	Jurisdictional differences	1440
11.46.4	Exclusions, qualifications and modifications for ACT.....	1440
11.46.5	Exclusions, qualifications and modifications for NSW.....	1441
11.46.6	Exclusions, qualifications and modifications for Queensland.....	1442
11.46.7	Exclusions, qualifications and modifications for SA	1443
11.46.8	Exclusions, qualifications and modifications for Tasmania	1444
11.46.9	Exclusions, qualifications and modifications for Victoria.....	1445
Division 3	General provisions	1446
11.46.10	Connection charges.....	1446
11.46.11	References.....	1447
Part ZQ	NSW transitional retail support and credit support rules.....	1447
11.47	Rules consequential on the insertion of Chapter 6B by the National Electricity (National Energy Retail Law) Amendment Rule 2012	1447
Division 1	Preliminary.....	1447
11.47.1	Definitions	1447
11.47.2	Application	1449

11.47.3	Obligation to pay	1449
11.47.4	Charging and billing	1449
11.47.5	Interest on unpaid amounts	1450
11.47.6	Circumstances where NSW DNSP may request credit support	1450
11.47.7	Credit support	1450
11.47.8	Credit support providers	1451
11.47.9	NSW DNSP to determine required credit support amount.....	1451
11.47.10	NSW Retailer to ensure credit support available.....	1451
11.47.11	Drawing on credit support	1452
11.47.12	Specific transitional arrangements.....	1452
Part ZR	Miscellaneous transitional rules—NERL	1452
11.48	Rules consequential on the making of the National Electricity (National Energy Retail Law) Amendment Rule 2012.....	1452
11.48.1	Extension of time period for AER to consider certain pass through applications	1452
Part ZS	Cost pass through arrangements for Network Service Providers.....	1453
11.49	Rules consequential on the making of National Electricity Amendment (Cost pass through arrangements for Network Service Providers) Rule 2012	1453
11.49.1	Definitions	1453
11.49.2	Terrorism event is a cost pass through event in the current regulatory control period	1453
11.49.3	Transitional arrangement for Powerlink.....	1453
11.49.4	Transitional arrangements for ElectraNet and Murraylink.....	1454
Part ZT	Distribution Network Planning and Expansion.....	1454
11.50	Rules consequential on the making of the National Electricity Amendment (Distribution Network Planning and Expansion) Rule 2012	1454
11.50.1	Interpretation.....	1454
11.50.2	Definitions	1454
11.50.3	Timing for first Distribution Annual Planning Report	1455
11.50.4	Contents of Distribution Annual Planning Report.....	1455
11.50.5	Transition from the regulatory test to the regulatory investment test for distribution	1456
Part ZU	New Prudential Standard and Framework in the NEM.....	1457
11.51	Rules consequential on the making of the National Electricity Amendment (New Prudential Standard and Framework in the NEM) Rule 2012.....	1457
11.51.1	Definitions	1457
11.51.2	AEMO's responsibility to develop and publish the credit limit procedures.....	1457
11.51.3	Transition to the framework for determining prudential settings	1458
11.51.4	Prior consultation, step, decision or action taken by AEMO	1458
Part ZV	Small Generation Aggregator Framework	1458

11.52	Rules consequential on the making of the National Electricity Amendment (Small Generation Aggregator Framework) Rule 2012	1458
11.52.1	Definitions	1458
11.52.2	Commencement of participant fees as well as transactions, funding and settlements under Chapter 3 for Market Small Generation Aggregators.....	1459
11.52.3	Participant fees for Market Small Generation Aggregators.....	1459
11.52.4	Ancillary service transactions, funding of compensation for directions and intervention settlements for directions for Market Small Generation Aggregators	1459
11.52.5	Amendments to the carbon dioxide equivalent intensity index procedures.....	1460
11.52.6	Amendments of the metrology procedures.....	1461
11.52.7	Amendments to the Market Settlement and Transfer Solution Procedures.....	1461
Part ZW	Economic Regulation of Network Service Providers (2012 amendments)	1461
Division 1	Miscellaneous transitional provisions	1461
11.53	Publication of Chapter 6 Guidelines	1461
11.53.1	Shared Asset Guidelines	1461
11.53.2	Capital Expenditure Incentive Guidelines	1462
11.53.3	Rate of Return Guidelines	1462
11.53.4	Expenditure Forecast Assessment Guidelines	1462
11.53.5	Distribution Confidentiality Guidelines	1462
11.53.6	Consultation procedure paper	1463
11.54	Publication of Chapter 6A Guidelines	1463
11.54.1	Shared Asset Guidelines	1463
11.54.2	Capital Expenditure Incentive Guidelines	1463
11.54.3	Rate of Return Guidelines	1463
11.54.4	Expenditure Forecast Assessment Guidelines	1464
11.54.5	Transmission Confidentiality Guidelines	1464
11.54.6	Consultation paper procedure	1464
Division 2	Transitional provisions for NSW/ACT Distribution Network Service Providers	1464
11.55	General provisions	1464
11.55.1	Definitions	1464
11.55.2	Transitional Chapter 6	1465
11.55.3	Application of rule 11.56	1467
11.56	Special provisions applying to affected DNSPs.....	1467
11.56.1	Requirement to make distribution determination	1467
11.56.2	Transitional regulatory proposal.....	1467
11.56.3	Distribution determination for a transitional regulatory control period	1468
11.56.4	Subsequent regulatory control period	1473
11.56.5	Review of past capital expenditure	1478

Division 3	Transitional provisions for NSW and Tasmanian Transmission Network Service Providers and Directlink.....	1478
11.57	General provisions	1478
11.57.1	Definitions	1478
11.57.2	Transitional Chapter 6A	1479
11.57.3	Application of rule 11.58	1480
11.58	Special provisions applying to affected TNSPs	1481
11.58.1	Requirement to make transmission determination	1481
11.58.2	Requirement to submit a transitional Revenue Proposal	1481
11.58.3	Transmission determination for a transitional regulatory control period	1482
11.58.4	Subsequent regulatory control period	1484
11.58.5	Review of past capital expenditure	1489
Division 4	Transitional provisions for the Victorian TNSP	1489
11.59	Special provisions applying to the Victorian TNSP	1489
11.59.1	Definitions	1489
11.59.2	Application of rule 11.59	1490
11.59.3	Former Chapter 6A/10 applies	1490
11.59.4	Review of past capital expenditure	1490
Division 5	Transitional provisions for Qld/SA and Victorian Distribution Network Service Providers	1491
11.60	Special provisions applying to the Qld/SA and Victorian Distribution Network Service Providers	1491
11.60.1	Definitions	1491
11.60.2	Application of rule 11.60	1492
11.60.3	Distribution determination for next regulatory control period	1492
11.60.4	Re-opening of distribution determination for next regulatory control period	1494
11.60.5	Review of past capital expenditure	1496
Division 6	Review of past capital expenditure	1496
11.61	Definitions and application	1496
11.62	Review of past capital expenditure under Chapter 6	1497
11.63	Review of past capital expenditure under Chapter 6A	1497
Part ZX	Inter-regional Transmission Charging	1498
11.64	Rules consequent on the making of the National Electricity Amendment (Inter-regional Transmission Charging) Rule 2013	1498
11.64.1	Definitions	1498
11.64.2	Amendments to the pricing methodology guidelines	1498
11.64.3	Amendments to the pricing methodologies of Transmission Network Service Providers	1498
11.64.4	Commencement of clause 6A.23.3(f) for further adjustments	1499
Part ZY	Network Service Provider Expenditure Objectives.....	1499

11.65	Rules consequent on the making of the National Electricity Amendment (Network Service Provider Expenditure Objectives) Rule 2013	1499
11.65.1	Definitions	1499
11.65.2	Application of rule 11.65	1499
Part ZZ	Access to NMI Standing Data	1500
11.66	Rules consequent on the making of the National Electricity Amendment (Access to NMI Standing Data) Rule 2013	1500
11.66.1	Definitions	1500
11.66.2	Minor amendment of the Market Settlement and Transfer Solution Procedures.....	1500
Part ZZA	Publication of Zone Substation Data	1501
11.67	Rules consequent on the making of the National Electricity Amendment (Publication of Zone Substation Data) Rule 2014.....	1501
11.67.1	Definitions	1501
11.67.2	Distribution Network Service Providers' obligations to commence on the next DAPR date	1501
Part ZZB	Connecting Embedded Generators	1501
11.68	Rules consequential on the making of the National Electricity Amendment (Connecting embedded generators) Rule 2014	1501
11.68.1	Definitions	1501
11.68.2	Continuation of enquiries lodged.....	1501
Part ZZC	Customer access to information about their energy consumption	1502
11.69	Rules consequential on the making of the National Electricity Amendment (Customer access to information about their energy consumption) Rule 2014	1502
11.69.1	Definitions	1502
11.69.2	AEMO to develop and publish the metering data provision procedure	1502
Part ZZD	National Electricity Amendment (Distribution Network Pricing Arrangements) Rule 2014	1502
Division 1	Miscellaneous transitional provisions	1502
11.70	General provisions	1502
11.70.1	Definitions	1502
11.70.2	Application of Part ZZB	1503
11.71	Special provisions applying to SA TNSP	1503
Division 2	Transitional provisions for NSW/ACT and Qld/SA Distribution Network Service Providers	1504
11.72	General provisions	1504
11.72.1	Definitions	1504
11.73	Special provisions applying to affected DNSPs.....	1504
11.73.1	Distribution determination and pricing proposals	1504
11.73.2	Tariff structure statement.....	1505

11.73.3	Dispute resolution	1511
Division 3	Transitional provisions for Tasmanian Distribution Network Service Provider.....	1511
11.74	Application of former Chapter 6.....	1511
Division 4	Transitional provisions for Victorian Distribution Network Service Providers	1511
11.75	General provisions	1511
11.75.1	Definitions	1511
11.76	Special provisions applying to affected DNSPs.....	1511
11.76.1	Distribution determination and pricing proposals	1511
11.76.2	Tariff structure statement.....	1512
11.76.3	Dispute resolution.....	1518
Part ZZE	Early Application of Network Capability Component (STPIS).....	1518
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	1518
11.77.1	Definitions	1518
11.77.2	Purpose	1518
11.77.3	Earlier application of the network capability component of the service target performance incentive scheme	1519
Part ZZF	National Electricity Amendment (Governance arrangements and implementation of the reliability standard and settings) Rule 2015	1521
11.78	Rules consequent on the making of the National Electricity Amendment (Governance arrangements and implementation of the reliability standards and settings) Rule 2015.....	1521
11.78.1	Definitions	1521
11.78.2	Existing power system security and reliability standards.....	1521
11.78.3	Reliability standard and settings guidelines	1522
11.78.4	Reliability standard implementation guidelines	1522
Part ZZG	Improving demand side participation information provided to AEMO by registered participants.....	1524
11.79	Rules consequential on making of the National Electricity Amendment (Improving demand side participation information provided to AEMO by registered participants) Rule 2015	1524
11.79.1	AEMO to develop and publish the demand side participation information guidelines	1524
Part ZZH	Transitional Arrangements for Aligning TasNetworks' regulatory control periods	1525
11.80	National Electricity Amendment (Aligning TasNetworks' regulatory control periods) Rule 2015	1525
11.80.1	Definitions	1525
11.80.2	Application of rule 11.80.....	1525

11.80.3	Next regulatory control period.....	1525
11.80.4	Subsequent regulatory control period.....	1525
Part ZZI	System Restart Ancillary Services	1526
11.81	Rules consequential on the making of the National Electricity Amendment (System Restart Ancillary Services) Rule 2015.....	1526
11.81.1	Definitions	1526
11.81.2	System restart standard	1526
11.81.3	SRAS Guideline.....	1526
11.81.4	Regional Benefit Ancillary Services Procedures.....	1526
11.81.5	Consultation prior to the Commencement Date	1526
11.81.6	Existing SRAS Contract	1526
Part ZZJ	Demand management incentive scheme	1527
11.82	Rules consequential on making of the National Electricity Amendment (Demand management incentive scheme) Rule 2015	1527
11.82.1	Definitions	1527
11.82.2	AER to develop and publish the demand management incentive scheme and demand management innovation allowance mechanism	1527
Part ZZK	AEMO access to demand forecasting information	1527
11.83	Rules consequential on the making of the National Electricity Amendment (AEMO access to demand forecasting information) Rule 2015.....	1527
11.83.1	AEMO to include supporting information in NTNDP database	1527
Part ZZL	Compensation arrangements following application of an Administered Price Cap or Administered Floor Price.....	1528
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.....	1528
11.84.1	Definitions	1528
11.84.2	Compensation Guidelines	1528
Part ZZM	Common definitions of distribution reliability measures	1528
11.85	Rules consequential on the making of the National Electricity Amendment (Common definitions of distribution reliability measures) Rule 2015	1528
11.85.1	Definitions	1528
11.85.2	Distribution reliability measures guidelines	1528
11.85.3	Amended STPIS	1528
Part ZZN	Expanding competition in metering and metering related services	1529
11.86	Rules consequent on making of the National Electricity Amendment (Expanding competition in metering and related services) Rule 2015.....	1529
11.86.1	Definitions	1529
11.86.2	References to old Chapter 7	1529

11.86.3	References to provisions of the old Chapter 7	1529
11.86.4	References to responsible person	1529
11.86.5	Continued operation of old Rules until the effective date	1529
11.86.6	New and amended procedures	1530
11.86.7	Metering Coordinator for type 5 or 6 metering installation from effective date	1531
11.86.8	Distribution Ring Fencing Guidelines	1533
11.86.9	[Deleted]	1533
Part ZZO	Embedded Networks	1533
11.87	Rules consequential on the making of the National Electricity Amendment (Embedded Networks) Rule 2015	1533
11.87.1	Definitions	1533
11.87.2	Amended Procedures and NMI Standing Data Schedule	1534
11.87.3	ENM service level procedures and guide to embedded networks and list of Embedded Network Managers	1534
11.87.4	Exemptions under section 13 of the National Electricity Law	1534
Part ZZP	Meter Replacement Processes	1535
11.88	Rules consequential on the making of the National Electricity Amendment (Meter Replacement Processes) Rule 2016	1535
11.88.1	Definitions	1535
11.88.2	Amended Procedures	1535
Part ZZQ	Energy Adequacy Assessment Projection	1535
11.89	Rules consequential to the National Electricity Amendment (Energy Adequacy Assessment Projection timeframes) Rule 2016	1535
11.89.1	Amended guideline and timetable	1535
Part ZZR	Reliability and emergency reserve trader (2016 amendments)	1536
11.90	Rules consequent on the making of the National Electricity Amendment (Extension of the Reliability and Emergency Reserve Trader) Rule 2016	1536
11.90.1	Definitions	1536
11.90.2	Amendments to Reliability Panel's RERT Guidelines	1536
11.90.3	Amendments to AEMO's RERT procedures	1536
11.90.4	Reserve contracts entered into before Schedule 2 commencement date	1536
Part ZZS	Updating the electricity B2B framework	1536
11.91	Rules consequential on the making of the National Electricity Amendment (Updating the electricity B2B framework) rule 2016	1536
11.91.1	Definitions	1536
11.91.2	B2B Procedures	1537
11.91.3	Information Exchange Committee Election Procedures and Information Exchange Committee Operating Manual	1537
11.91.4	The New IEC	1538
11.91.5	Amended Procedures	1539
11.91.6	B2B e-Hub Participant accreditation process	1540

11.91.7	New IEC Budget and 2016 Annual Report	1540
11.91.8	Cost recovery	1540
Part ZZT	Application of Offsets in the Prudential Margin Calculation	1541
11.92	Rules consequential on the making of the National Electricity Amendment (Application of Offsets in the Prudential Margin Calculation) Rule 2016	1541
11.92.1	Definitions	1541
11.92.2	Amended procedures	1541
Part ZZU	Rate of Return Guidelines Review	1541
11.93	Rules consequential on the making of the National Electricity Amendment (Rate of Return Guidelines Review) Rule 2016	1541
11.93.1	Definitions	1541
11.93.2	Application of current rate of return guidelines to making of a distribution determination for the subsequent regulatory control period	1543
Part ZZV	Demand Response Mechanism and Ancillary Services Unbundling.....	1543
11.94	Rules consequential on the making of the National Electricity Amendment (Demand Response Management and Ancillary Services Unbundling) rule 2016.....	1543
11.94.1	Definitions	1543
11.94.2	Participant fees for Market Ancillary Service Providers	1543
Part ZZW	Local Generation Network Credits	1543
11.95	Rules consequential on the making of the National Electricity Amendment (Local Generation Network Credits) Rule 2016	1543
11.95.1	Definitions	1543
11.95.2	System limitation template	1544
Part ZZX	Retailer-Distributor Credit Support Requirements.....	1544
11.96	Rules consequent on the making of the National Electricity Amendment (Retailer Distributor Credit Support Requirements) Rule 2017 No. 1	1544
11.96.1	Definitions	1544
11.96.2	Continued operation of old Chapter 6B	1544
11.96.3	Interaction with Chapter 6	1544
11.96.4	Application of new Chapter 6B	1544
Part ZZY	Emergency Frequency Control Schemes.....	1545
11.97	Rules consequent on the making of the National Electricity Amendment (Emergency frequency control schemes) Rule 2017	1545
11.97.1	Definitions	1545
11.97.2	Interim frequency operating standards for protected events.....	1545
11.97.3	First power system frequency risk review	1546
11.97.4	AEMO must review existing load shedding procedures	1546
11.97.5	Load shedding procedures	1546
Part ZZZ	Transmission Connection and Planning Arrangements	1547

11.98	Rules consequential on the making of the National Electricity Amendment (Transmission Connection and Planning Arrangements) Rule 2017	1547
11.98.1	Definitions	1547
11.98.2	Grandfathering of existing dedicated connection assets.....	1548
11.98.3	Preparatory steps for registration changes under the Amending Rule.....	1548
11.98.4	Participant fees for Dedicated Connection Asset Service Providers	1549
11.98.5	Existing Connection Agreements	1549
11.98.6	Connection process	1549
11.98.7	Transmission Annual Planning Report.....	1550
11.98.8	Preservation for adoptive jurisdictions	1550
Part ZZZA	Replacement expenditure planning arrangements.....	1550
11.99	Rules consequential on the making of the National Electricity Amendment (Replacement expenditure planning arrangements) Rule 2017	1550
11.99.1	Definitions	1550
11.99.2	Interpretation.....	1551
11.99.3	Transitional arrangements for affected DNSPs	1552
11.99.4	Amendments to RIT documentation.....	1552
11.99.5	Transitional arrangements relating to excluded projects	1552
11.99.6	Transitional arrangements relating to Victorian bushfire mitigation projects.....	1552
11.99.7	Transitional arrangements relating to review of costs thresholds.....	1553
Part ZZZB	Managing the rate of change of power system frequency.....	1553
11.100	Rules consequential on the making of the National Electricity Amendment (Managing the rate of change of power system frequency) Rule 2017	1553
11.100.1	Definitions	1553
11.100.2	Inertia sub-networks	1554
11.100.3	Inertia requirements methodology	1554
11.100.4	Inertia requirements	1554
11.100.5	NSCAS not to be used to meet an inertia shortfall after 1 July 2019	1555
11.100.6	Inertia network services may be used to meet an NSCAS gap declared in the NSCAS transition period.....	1555
11.100.7	Inertia network services made available before the commencement date.....	1556
Part ZZZC	Managing power system fault levels	1556
11.101	Rules consequential on the making of the National Electricity Amendment (Managing power system fault levels) Rule 2017.....	1556
11.101.1	Definitions	1556
11.101.2	System strength impact assessment guidelines.....	1558
11.101.3	System strength requirements methodology.....	1558
11.101.4	System strength requirements.....	1558
11.101.5	NSCAS not to be used to meet a fault level shortfall after 1 July 2019	1559
11.101.6	System strength services may be used to meet an NSCAS gap declared in the NSCAS transition period.....	1559

11.101.7	Withdrawal of a system strength-related NSCAS gap already declared.....	1560
11.101.8	System strength services made available before the commencement date.....	1560
Part ZZZD	Generating System Model Guidelines.....	1560
11.102	Making of Power System Model Guidelines	1560
Part ZZZE	Five Minute Settlement	1560
11.103	Rules consequential on the making of the National Electricity Amendment (Five Minute Settlement) Rule 2017 and the National Electricity Amendment (Delayed implementation of five minute and global settlement) Rule 2020	1560
11.103.1	Definitions	1560
11.103.2	Amendments to procedures	1561
11.103.3.	Exemption for certain metering installations.....	1562
11.103.4	New or replacement meters	1562
11.103.5	Metering installations exempt from metering data provision requirements	1563
11.103.6	Exemption from meter data storage requirements.....	1563
11.103.7	Default offers and bids submitted prior to the commencement date	1563
Part ZZZF	Contestability of energy services	1563
11.104	Rules consequential on the making of the National Electricity Amendment (Contestability of energy services) Rule 2017	1563
11.104.1	Definitions	1563
11.104.2	New guidelines	1565
11.104.3	Transitional arrangements for application of Distribution Service Classification Guidelines and service classification provisions	1565
11.104.4	Transitional arrangements for application of Asset Exemption Guidelines, exemption applications and asset exemption decisions.....	1565
11.104.5	Transitional arrangements for adjustment in value of regulatory asset base	1567
Part ZZZG	Declaration of lack of reserve conditions.....	1567
11.105	Making of lack of reserve declaration guidelines	1567
11.105.1	Definitions	1567
11.105.2	Making of lack of reserve declaration guidelines.....	1567
Part ZZZH	Implementation of demand management incentive scheme	1567
11.106	Implementation of demand management incentive scheme	1567
11.106.1	Definitions	1567
11.106.2	Purpose	1568
11.106.3	Early application of revised demand management incentive scheme	1568
Part ZZZI	Reinstatement of long notice Reliability and Emergency Reserve Trader.....	1569
11.107	Rules consequential on the making of the National Electricity Amendment (Reinstatement of long notice Reliability and Emergency Reserve Trader) Rule 2018.....	1569
11.107.1	Definitions	1569

11.107.2	New RERT guidelines	1570
11.107.3	Amendments to RERT procedures	1573
11.107.4	Reserve contracts entered into before the commencement date	1573
Part ZZZJ	Register of distributed energy resources	1573
11.108	Rules consequential on the making of the National Electricity Amendment (Register of distributed energy resources) Rule 2018	1573
11.108.1	Definitions	1573
11.108.2	AEMO to develop and publish DER register information guidelines	1574
11.108.3	NSPs to provide AEMO with existing DER generation information	1574
Part ZZZK	Generator technical performance standards	1574
11.109	Rules consequential on the making of the National Electricity Amendment (Generator technical performance standards) Rule 2018	1574
11.109.1	Definitions	1574
11.109.2	Application of the Amending Rule to existing connection enquiries	1575
11.109.3	Application of the Amending Rule to existing applications to connect	1576
11.109.4	Application of the Amending Rule to existing offers to connect	1578
11.109.5	Application of the Amending Rule to Existing Connection Agreements	1578
Part ZZZL	Generator three year notice of closure	1579
11.110	Rules consequential on the making of the National Electricity Amendment (Generator three year notice of closure) Rule 2018	1579
11.110.1	Definitions	1579
11.110.2	AER to develop and publish notice of closure exemption guideline	1579
11.110.3	Application of Amending Rule to AEMO	1579
11.110.4	Application of Amending Rule to Generators	1579
Part ZZZM	Participant compensation following market suspension	1580
11.111	Rules consequential on the making of the National Electricity Amendment (Participant compensation following market suspension) Rule 2018	1580
11.111.1	Definitions	1580
11.111.2	Market suspension compensation methodology and schedule of benchmark values	1580
Part ZZZN	Global settlement and market reconciliation	1580
11.112	Rules consequential on the making of the National Electricity Amendment (Global settlement and market reconciliation) Rule 2018 and the National Electricity Amendment (Delayed implementation of five minute and global settlement) Rule 2020	1580
11.112.1	Definitions	1580
11.112.2	Amendments to AEMO procedures	1581
11.112.3	AEMO to publish report on unaccounted for energy trends	1581
11.112.4	Continuation of registration for non-market generators	1581
11.112.5	Publication of UFE data by AEMO	1581
11.112.6	Publication of UFE reporting guidelines	1582

Part ZZZO	Metering installation timeframes1582
11.113	Rules consequential on making of the National Electricity Amendment (Metering installation timeframes) Rule 20181582
11.113.1	Definitions1582
11.113.2	Timeframes for meters to be installed1582
Part ZZZP	Early implementation of ISP priority projects1583
11.114	National Electricity Amendment (Early implementation of ISP priority projects) Rule 20191583
11.114.1	Definitions1583
11.114.2	Modifications to clause 5.16.6 for ISP VNI and QNI projects.....1584
11.114.3	Modifications to clause 6A.8.2 for ISP projects.....1585
Part ZZZQ	Enhancement to the Reliability and Emergency Reserve Trader1587
11.115	Rules consequential on the making of the National Electricity Amendment (Enhancement to the reliability and emergency reserve trader) Rule 20191587
11.115.1	Definitions1587
11.115.2	New RERT guidelines1588
11.115.3	Amendments to RERT procedures1588
11.115.4	Reserve contracts entered into before the commencement date1588
11.115.5	Clause 3.20.6 (Reporting on RERT by AEMO).....1588
Part ZZZR	Retailer Reliability Obligation.....1588
11.116	Rules consequential on the making of the National Electricity Amendment (Retailer Reliability Obligation) Rule 2019.....1588
11.116.1	Application1588
11.116.2	Reliability Instrument Guidelines1589
11.116.3	Forecasting Best Practice Guidelines1589
11.116.4	Reliability Forecast Guidelines.....1589
11.116.5	AER Opt-in Guidelines.....1590
11.116.6	Contracts and Firmness Guidelines1590
11.116.7	Qualifying contracts under interim Contracts and Firmness Guidelines1590
11.116.8	Grandfathering arrangements1590
11.116.9	Reliability Compliance Procedures and Guidelines1591
11.116.10	MLO Guidelines1592
11.116.11	Application of Part G, Divisions 2 – 6 (inclusive)1592
11.116.12	Interim deeming of MLO generators and MLO groups1593
11.116.13	MLO information template.....1599
11.116.14	Initial MLO register1600
11.116.15	Approved MLO products list.....1600
11.116.16	Designated MLO exchange1600
11.116.17	Five minute settlement intervals1600
11.116.18	Review by AEMC.....1600
Part ZZZS	Transparency of new projects1601
11.117	Rules consequential on the making of the National Electricity Amendment (Transparency of new projects) Rule 2019.....1601
11.117.1	Definitions1601

11.117.2	Generation information page	1601
11.117.3	Generation information guidelines	1601
11.117.4	Provision and use of information.....	1602
Part ZZZT	Demand management incentive scheme and innovation allowance for TNSPs.....	1602
11.118	Rules consequential on the making of the National Electricity Amendment (Demand management incentive scheme and innovation allowance for TNSPs) Rule 2019	1602
11.118.1	Definitions	1602
11.118.2	AER to develop and publish the demand management innovation allowance mechanism	1602
Part ZZZU	Application of the regional reference node test to the Reliability and Emergency Reserve Trader	1603
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	1603
11.119.1	Definitions	1603
11.119.2	AEMO intervention event in effect on commencement date	1603
Part ZZZV	Improving Transparency and Extending Duration of MT PASA	1603
11.120	Rules consequential on the making of the National Electricity Amendment (Improving transparency and extending duration of MT PASA) Rule 2020.....	1603
11.120.1	AEMO to update spot market operations timetable	1603
Part ZZZW	Victorian jurisdictional derogation – RERT contracting	1603
11.121	Rules consequential on the making of the National Electricity Amendment (Victorian jurisdictional derogation - RERT contracting) Rule 2020	1603
11.121.1	Definitions	1603
11.121.2	Procedures.....	1604
Part ZZZX	Mandatory primary frequency response.....	1604
11.122	Rules consequential on the making of the National Electricity Amendment (Mandatory primary frequency response) Rule 2020	1604
11.122.1	Definitions	1604
11.122.2	Interim Primary Frequency Response Requirements	1604
11.122.3	Action taken prior to commencement.....	1605
Part ZZZY	System restart services, standards and testing.....	1605
11.123	Rules consequential on the making of the National Electricity Amendment (System restart services, standards and testing) Rule 2020	1605
11.123.1	Definitions	1605
11.123.2	SRAS Guideline.....	1605
11.123.3	System restart standard	1606
11.123.4	Communication protocols.....	1606

11.123.5	System restart tests	1606
Part ZZZZ	Introduction of metering coordinator planned interruptions	1606
11.124	Rules consequential on the making of the National Electricity Amendment (Introduction of metering coordinator planned interruptions) Rule 2020	1606
11.124.1	Definitions	1606
11.124.2	Amendments of the metrology procedure	1607
11.124.3	Market Settlement and Transfer Solutions Procedures	1607
11.124.4	Requirements of the metrology procedure	1607
Part ZZZZA	Wholesale demand response	1607
11.125	Rules consequential on the making of the National Electricity Amendment (Wholesale demand response mechanism) Rule 2020	1607
11.125.1	Definitions	1607
11.125.2	Wholesale demand response guidelines	1608
11.125.3	Baseline methodologies	1609
11.125.4	Wholesale demand response participation guidelines	1609
11.125.5	Extension of time for registration and aggregation	1609
11.125.6	Amendments to AEMO, AER and AEMC documents	1609
11.125.7	Amendments to the demand side participation information guidelines	1610
11.125.8	Amendment to RERT guidelines	1610
11.125.9	Renaming of Market Ancillary Service Providers	1611
11.125.10	Wholesale demand response annual reporting	1611
Part ZZZZB	Integrated System Plan Rules	1611
11.126	Rules consequential on the making of the National Electricity Amendment (Integrated System Plan) Rule 2020	1611
11.126.1	Definitions	1611
11.126.2	2020 Integrated System Plan	1612
11.126.3	Existing actionable ISP projects	1612
11.126.4	Existing actionable ISP projects at the clause 5.16.6 stage	1612
11.126.5	Existing actionable ISP projects prior to the clause 5.16.6 stage	1613
11.126.6	Existing RIT-T proponent has published a PSCR but not a PADR	1613
11.126.7	Cost Benefit Analysis Guidelines	1614
11.126.8	Forecasting Best Practice Guidelines	1614
11.126.9	Methodologies and reports	1614
11.126.10	AEMC review of ISP framework	1614
Part ZZZZC	Deferral of network charges	1615
11.127	Transitional arrangements made by the National Electricity Amendment (Deferral of network charges) Rule 2020 No. 11	1615
11.127.1	Definitions	1615
11.127.2	Deferral of payment of network charges	1616
11.127.3	Deferral of payment of charges for prescribed transmission services	1617
11.127.4	AER reporting	1618
11.127.5	Application of this Part	1618
Part ZZZZD	Interim reliability measure	1618

11.128	Rules consequential on the making of the National Electricity Amendment (Interim reliability measure) Rule 2020	1618
11.128.1	Definitions	1618
11.128.2	Expiry date.....	1619
11.128.3	Application of rule 3.20	1619
11.128.4	Reserve contracts for interim reliability reserves	1619
11.128.5	Interim reliability reserves – reporting	1621
11.128.6	AEMO exercise of RERT	1621
11.128.7	RERT guidelines.....	1622
11.128.8	RERT procedures.....	1622
11.128.9	Reliability standard implementation guidelines	1622
11.128.10	AEMO preparatory activities.....	1622
11.128.11	Reserve contracts entered into before the commencement date	1623
11.128.12	Review by the AEMC.....	1623