

National Electricity Rules Version 164

Historical Information

This version of the National Electricity Rules was current from 13 May 2021 to 26 May 2021.

National Electricity Rules

Version 164

Status Information

This is the latest electronically available version of the National Electricity Rules as at 13 May 2021.

This consolidated version of the National Electricity Rules was last updated on 13 May 2021 as a result of the commencement of the following amendments:

National Electricity Amendment (Renewable energy zone planning) Rule 2021

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:

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 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 of the National Electricity Amendment (Semi-scheduled generator dispatch obligations) Rule 2021 No. 2 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.

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.

Schedule 4 of the National Electricity Amendment (Removal of intervention hierarchy) Rule 2020 No. 14 will commence operation on 24 October 2021, immediately after the commencement of Schedules 1, 3, 4 and 5 of the National Electricity Amendment (Wholesale demand response mechanism) Rule 2020 No. 9.

Schedule 3 of the National Electricity Amendment (Semi-scheduled generator dispatch obligations) Rule 2021 No. 2 will commence operation on 24 October 2021, immediately after the commencement of Schedule 5 of the National Electricity Amendment (Wholesale demand response mechanism) Rule 2020 No. 9.

Schedules 1 and 2 of the National Electricity (Technical standards for distributed energy resources) Rule 2021 No. 1 will commence operation on 18 December 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
1.3.1A1	Definitions	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	46
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	53
2A.1.3	Publication of regions by AEMO	53
2A.2	Region change applications.....	53
2A.2.1	A complete region change application.....	53
2A.2.2	Identifying a congestion problem	54
2A.2.3	Explanation of economic efficiency of proposed region solution	54
2A.2.4	Region change application must be technically competent	54
2A.2.5	Alternative congestion management options	55
2A.2.6	Previous application relating to congestion problem.....	55
2A.2.7	AEMO to provide information to intending applicants	56
2A.2.8	AEMC may refuse to accept incomplete applications.....	56
2A.3	Acceptance of region change application by AEMC	57
2A.3.1	Acceptance of a region change application by AEMC.....	57
2A.3.2	Preliminary consultation prior to acceptance of a region change application.....	57
2A.4	First round consultation on region change application.....	58
2A.4.1	Notice of first round consultation	58
2A.4.2	Right to make written submissions during first round consultation period	58
2A.4.3	Alternative region solution put forward by third parties	58
2A.4.4	Acceptance as a formal alternative region solution by AEMC	59
2A.5	Provision of supplementary economic analysis.....	59
2A.5.1	AEMC may direct provision of supplementary analysis	59
2A.5.2	AEMC may direct AEMO to provide information.....	60
2A.6	Region determinations.....	61
2A.6.1	AEMC powers to make a region determination	61
2A.6.2	Matters for consideration in making region determination	61
2A.7	Draft region determination and second round consultation.....	62
2A.7.1	Publishing of draft region determination	62
2A.7.2	Second round consultation.....	62
2A.7.3	Right to make written submissions during second round consultation.....	62
2A.8	Final region determination	62
2A.8.1	Final determination for region change.....	62
2A.8.2	Formal publication of region determination	63
2A.9	Miscellaneous matters for region change process.....	63
2A.9.1	AEMC may extend periods of time specified in Chapter 2A	63
2A.9.2	Consultation meeting in relation to region change application	63
Part B	Implementation of region determination.....	64
2A.10	Purpose and application of Part B	64
2A.10.1	Purpose of Part B	64

2A.10.2	Application of Part B	64
2A.11	Region Change Implementation Procedure	64
2A.11.1	Submission of draft Region Change Implementation Procedure	64
2A.11.2	Approved Region Change Implementation Procedure	64
2A.12	AEMO region change implementation functions	65
2A.12.1	General implementation functions	65
2A.12.2	Implementation functions referable to published implementation procedure	65
2A.12.3	Amendment of current or subsequent Regions and Loss Factors Publication	65
2A.13	Continuity of regions	65
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	117
3.8.1	Central Dispatch	117
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	127
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	131
3.8.9	Default offers and bids.....	131

3.8.10	Network constraints	132
3.8.11	Ancillary services constraints	134
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
3.8.14A	Procedures and reporting under conditions of supply scarcity	135
3.8.15	[Deleted]	136
3.8.16	Equal priced dispatch bids and dispatch offers.....	136
3.8.17	Self-commitment	136
3.8.18	Self-decommitment.....	137
3.8.19	Dispatch inflexibilities	137
3.8.20	Pre-dispatch schedule	140
3.8.21	On-line dispatch process	141
3.8.22	Rebidding.....	143
3.8.22A	Offers, bids and rebids must not be false or misleading.....	144
3.8.23	Failure to conform to dispatch instructions	146
3.8.24	Scheduling errors	148
3.9	Price Determination.....	148
3.9.1	Principles applicable to spot price determination	148
3.9.2	Determination of spot prices.....	150
3.9.2A	Determination of ancillary services prices.....	151
3.9.2B	Pricing where AEMO determines a manifestly incorrect input.....	152
3.9.3	Pricing in the event of intervention by AEMO	153
3.9.3A	Reliability standard and settings review	155
3.9.3B	Reliability standard and settings review report	157
3.9.3C	Reliability standard and interim reliability measure.....	157
3.9.3D	Implementation of the reliability standard.....	158
3.9.4	Market Price Cap	159
3.9.5	Application of the Market Price Cap	160
3.9.6	Market Floor Price.....	160
3.9.6A	Application of the Market Floor Price	160
3.9.7	Pricing for constrained-on scheduled generating units.....	161
3.10	[Deleted].....	162
3.11	Ancillary Services	162
3.11.1	Introduction.....	162
3.11.2	Market ancillary services	162
3.11.2A	AER reporting on market ancillary services markets	164
3.11.3	Acquisition of Network Support and Control Ancillary Service.....	164
3.11.4	[Not used]	165
3.11.5	Tender process for network support and control ancillary services	165
3.11.6	Dispatch of network support and control ancillary services by AEMO.....	167
3.11.7	Guidelines and objectives for acquisition of system restart ancillary services by AEMO.....	167
3.11.8	Determination of electrical sub-network boundaries.....	169
3.11.9	Acquisition of system restart ancillary services by AEMO.....	169
3.11.10	Reporting	170
3.12	Market Intervention by AEMO	171
3.12.1	Intervention settlement timetable	171

3.12.2	Affected Participants and Market Customers entitlements to compensation in relation to AEMO intervention.....	171
3.12.3	Role of the Independent Expert in calculating payments in relation to intervention by AEMO and market suspension pricing schedule periods.....	175
3.12A	[DELETED].....	178
3.13	Market Information.....	178
3.13.1	Provision of information.....	178
3.13.2	Systems and procedures.....	178
3.13.3	Standing data	179
3.13.3AA	Standing data: Project developers.....	185
3.13.3A	Statement of opportunities	185
3.13.4	Spot market.....	187
3.13.4A	Market ancillary services	191
3.13.5	Ancillary services contracting by AEMO.....	191
3.13.5A	Settlements residue auctions	191
3.13.6	[Deleted]	192
3.13.6A	Report by AEMO.....	192
3.13.7	Monitoring of significant variation between forecast and actual prices by AER.....	193
3.13.8	Public information	194
3.13.9	[Deleted]	194
3.13.10	Market auditor	194
3.13.11	[Deleted]	195
3.13.12	NMI Standing Data.....	195
3.13.12A	NMI Standing Data Schedule	199
3.13.13	Inter-network tests	199
3.13.14	Carbon Dioxide Equivalent Intensity Index	200
3.14	Administered Price Cap and Market Suspension.....	203
3.14.1	Cumulative Price Threshold and Administered Price Cap	203
3.14.2	Application of Administered Price Cap.....	204
3.14.3	Conditions for suspension of the spot market.....	205
3.14.4	Declaration of market suspension.....	206
3.14.5	Pricing during market suspension.....	207
3.14.5A	Payment of compensation due to market suspension pricing schedule periods.....	209
3.14.5B	Claims for additional compensation due to market suspension pricing schedule periods	212
3.14.6	Compensation due to the application of an administered price cap or administered floor price.....	213
3.15	Settlements.....	218
3.15.1	Settlements management by AEMO	218
3.15.2	Electronic funds transfer.....	218
3.15.3	Connection point and virtual transmission node responsibility.....	218
3.15.4	Adjusted energy amounts connection points	219
3.15.5	Adjusted energy - transmission network connection points	219
3.15.5A	Adjusted energy - virtual transmission nodes.....	219
3.15.6	Spot market transactions.....	220
3.15.6A	Ancillary service transactions.....	221

3.15.7	Payment to Directed Participants.....	233
3.15.7A	Payment to Directed Participants for services other than energy and market ancillary services	235
3.15.7B	Claim for additional compensation by Directed Participants	238
3.15.8	Funding of Compensation for directions	240
3.15.8A	Funding of compensation for market suspension pricing schedule periods.....	244
3.15.9	Reserve settlements	246
3.15.9A	Procurer of last resort cost allocation	249
3.15.10	Administered price cap or administered floor price compensation payments	253
3.15.10A	Goods and services tax	254
3.15.10B	[DELETED].....	255
3.15.10C	Intervention and Market Suspension Pricing Schedule Period Settlements.....	255
3.15.11	Reallocation transactions	258
3.15.11A	Reallocation procedures.....	260
3.15.12	Settlement amount	260
3.15.13	Payment of settlement amount.....	261
3.15.14	Preliminary statements.....	261
3.15.15	Final statements	261
3.15.15A	Use of estimated settlement amounts by AEMO.....	261
3.15.16	Payment by market participants.....	262
3.15.17	Payment to market participants	262
3.15.18	Disputes	262
3.15.19	Revised Statements and Adjustments	263
3.15.20	Payment of adjustments.....	265
3.15.21	Default procedure	265
3.15.22	Maximum total payment in respect of a billing period.....	269
3.15.23	Maximum total payment in respect of a financial year	271
3.15.24	Compensation for reductions under clause 3.15.23	272
3.15.25	Interest on overdue amounts	272
3.16	Participant compensation fund	272
3.16.1	Establishment of Participant compensation fund	272
3.16.2	Dispute resolution panel to determine compensation.....	273
3.17	[Deleted].....	274
3.18	Settlements Residue Auctions	274
3.18.1	Settlements residue concepts	274
3.18.2	Auctions and eligible persons	275
3.18.3	Auction rules.....	276
3.18.3A	Secondary trading of SRD units	278
3.18.4	Proceeds and fees.....	278
3.18.4A	Secondary trading proceeds and margin.....	279
3.18.5	Settlement residue committee.....	280
3.19	Market Management Systems Access Procedures.....	281
3.20	Reliability and Emergency Reserve Trader	282
3.20.1	Definitions	282
3.20.2	Reliability and emergency reserve trader	282

3.20.3	Reserve contracts	283
3.20.4	Dispatch pricing methodology for unscheduled reserve contracts	285
3.20.5	AEMO's risk management and accounts relating to the reliability safety net	285
3.20.6	Reporting on RERT by AEMO	285
3.20.7	AEMO's exercise of the RERT	288
3.20.8	RERT Guidelines	289
3.20.9	[Deleted]	290
Schedule 3.1	Bid and Offer Validation Data	290
Schedule 3.2	[Deleted]	294
Schedule 3.3	[Deleted]	294
4.	Power System Security	297
4.1	Introduction.....	297
4.1.1	Purpose	297
4.2	Definitions and Principles	297
4.2.1	[Deleted]	297
4.2.2	Satisfactory Operating State	297
4.2.3	Credible and non-credible contingency events and protected events	298
4.2.3A	Re-classifying contingency events	299
4.2.3B	Criteria for re-classifying contingency events	300
4.2.4	Secure operating state and power system security.....	301
4.2.5	Technical envelope	301
4.2.6	General principles for maintaining power system security	302
4.2.7	Reliable Operating State	303
4.2.8	Time for undertaking action	303
4.3	Power System Security Responsibilities and Obligations	303
4.3.1	Responsibility of AEMO for power system security.....	303
4.3.2	System security	305
4.3.3	The role of System Operators	308
4.3.4	Network Service Providers	310
4.3.5	Market Customer obligations	314
4.3.6	System restart test obligations	315
4.4	Power System Frequency Control.....	318
4.4.1	Power system frequency control responsibilities	318
4.4.2	Operational frequency control requirements	318
4.4.2A	Primary Frequency Response Requirements	319
4.4.2B	Approval of variations or exemptions	320
4.4.3	Generator protection requirements	321
4.4.4	Instructions to enable inertia network services.....	321
4.4.5	Instructions to enable system strength services	322
4.5	Control of Power System Voltage	324
4.5.1	Power system voltage control	324
4.5.2	Reactive power reserve requirements	324
4.5.3	Audit and testing.....	325
4.6	Protection of Power System Equipment	325

4.6.1	Power system fault levels	325
4.6.2	Power system protection co-ordination	325
4.6.3	Audit and testing.....	325
4.6.4	Short-term thermal ratings of power system	326
4.6.5	Partial outage of power protection systems	326
4.6.6	System strength impact assessment guidelines.....	326
4.7	Power System Stability Co-ordination.....	328
4.7.1	Stability analysis co-ordination	328
4.7.2	Audit and testing.....	328
4.8	Power System Security Operations	328
4.8.1	Registered Participants' advice	328
4.8.2	Protection or control system abnormality	328
4.8.3	AEMO's advice on power system emergency conditions.....	329
4.8.4	Declaration of conditions.....	329
4.8.4A	Reserve level declaration guidelines.....	330
4.8.4B	Lack of reserve framework reporting	331
4.8.5	Managing declarations of conditions.....	331
4.8.5A	Determination of the latest time for AEMO intervention.....	332
4.8.5B	Notifications of last time of AEMO intervention	333
4.8.6	[Deleted]	333
4.8.7	Managing a power system contingency event	333
4.8.8	[Deleted]	333
4.8.9	Power to issue directions and clause 4.8.9 instructions	333
4.8.9A	System security directions	335
4.8.10	Disconnection of generating units and market network services	336
4.8.11	[Deleted]	336
4.8.12	System restart plan and local black system procedures	336
4.8.13	[Deleted]	338
4.8.14	Power system restoration	338
4.8.15	Review of operating incidents	339
4.8.16	AEMO reporting on frequency performance.....	341
4.9	Power System Security Related Market Operations	342
4.9.1	Load forecasting	342
4.9.2	Instructions to Scheduled Generators and Semi-Scheduled Generators.....	343
4.9.2A	Dispatch Instructions to Scheduled Network Service Providers	344
4.9.3	Instructions to Registered Participants	344
4.9.3A	Ancillary services instructions.....	344
4.9.3B	Compliance with dispatch instructions.....	345
4.9.4	Dispatch related limitations on Scheduled Generators and Semi- Scheduled Generators	345
4.9.4A	Dispatch related limitations on Scheduled Network Service Providers	347
4.9.5	Form of dispatch instructions	347
4.9.6	Commitment of scheduled generating units	348
4.9.7	De-commitment, or output reduction, by Scheduled Generators	349
4.9.8	General responsibilities of Registered Participants	350
4.9.9	Scheduled Generator plant changes	351
4.9.9A	Scheduled Network Service Provider plant changes	351

4.9.9B	Ancillary service plant changes	352
4.9.9C	Inertia network service availability changes.....	352
4.9.9D	System strength service availability changes	352
4.10	Power System Operating Procedures	352
4.10.1	Power system operating procedures	352
4.10.2	Transmission network operations	353
4.10.3	Operating interaction with distribution networks	354
4.10.4	Switching of a Distributor's high voltage networks.....	354
4.10.5	Switching of reactive power facilities	354
4.10.6	Automatic reclose	355
4.10.7	Inspection of facilities by AEMO	355
4.11	Power System Security Support	355
4.11.1	Remote control and monitoring devices	355
4.11.2	Operational control and indication communication facilities.....	356
4.11.3	Power system voice/data operational communication facilities	357
4.11.4	Records of power system operational communication	358
4.11.5	Agent communications	359
4.12	Nomenclature Standards.....	360
4.13	[Deleted].....	361
4.14	Acceptance of Performance Standards.....	361
4.15	Compliance with Performance Standards.....	362
4.16	Transitioning arrangements for establishment of performance standards	366
4.16.1	Definitions	366
4.16.2	Exclusions	368
4.16.3	Notification and acceptance of performance standards	368
4.16.4	Actual capability	372
4.16.5	Criteria for, and negotiation of, performance standards	373
4.16.6	Consultation with and assistance by Network Service Providers.....	376
4.16.7	Referral to expert determination	376
4.16.8	Prior actions	377
4.16.9	Deemed performance standards.....	377
4.16.10	Modification of connection agreements	377
4.17	Expert determination	378
4.17.1	Performance standards committee and appointment of performance standards experts.....	378
4.17.2	Referral to performance standards expert.....	379
4.17.3	Determinations of performance standards experts.....	380
4.17.4	Other matters	381
4A.	Retailer Reliability Obligation	385
Part A	Introduction.....	385
4A.A	Definitions.....	385
4A.A.1	Definitions	385
4A.A.2	Forecast reliability gap materiality	388

4A.A.3	One-in-two year peak demand forecast	388
4A.A.4	Peak demand	389
Part B	Reliability Forecasts	389
4A.B.1	Reliability forecast	389
4A.B.2	Reliability forecast components	390
4A.B.3	Supporting materials	390
4A.B.4	Reliability Forecast Guidelines	390
4A.B.5	AER Forecasting Best Practice Guidelines	392
Part C	Reliability Instruments.....	392
Division 1	AEMO request for a reliability instrument.....	392
4A.C.1	AEMO request for a reliability instrument	392
4A.C.2	AEMO request for a T-3 reliability instrument	392
4A.C.3	AEMO request for a T-1 reliability instrument	393
4A.C.4	Related T-3 reliability instrument	393
4A.C.5	Notification of a closed forecast reliability gap at T-1	394
4A.C.6	Corrections to a request	394
4A.C.7	Withdrawing a request	394
Division 2	AER making of a reliability instrument	395
4A.C.8	AER making of a reliability instrument	395
4A.C.9	When a decision by the AER must be made	395
4A.C.10	T-1 reliability instrument components	395
4A.C.11	AER decision making criteria	395
4A.C.12	Reliability Instrument Guidelines	396
Part D	Liabe Entities	396
4A.D.1	Application	396
4A.D.2	Liabe entities	396
4A.D.3	New entrants	397
4A.D.4	Application to register as large opt-in customer	397
4A.D.5	Application to register as prescribed opt-in customer	398
4A.D.6	Thresholds	399
4A.D.7	Opt-in cut-off day	399
4A.D.8	AER approval of applications	399
4A.D.9	AER opt-in register	400
4A.D.10	Changes to register	400
4A.D.11	AER register taken to be correct	401
4A.D.12	AEMO Opt-In Procedures	401
4A.D.13	AER Opt-In Guidelines	401
Part E	Qualifying Contracts and Net Contract Position.....	402
Division 1	Key concepts.....	402
4A.E.1	Qualifying contracts	402
4A.E.2	Net contract position	403
Division 2	Firmness methodologies	404
4A.E.3	Firmness methodology	404
4A.E.4	Types of methodologies	404
4A.E.5	Approval of a bespoke firmness methodology	404
Division 3	Reporting net contract position	405

4A.E.6	Reporting requirements	405
Division 4	Adjustment of net contract position.....	406
4A.E.7	Adjustment of net contract position.....	406
Division 5	Contracts and Firmness Guidelines	407
4A.E.8	Contracts and Firmness Guidelines	407
Part F	Compliance with the Retailer Reliability Obligation	408
Division 1	Application	408
4A.F.1	Application	408
Division 2	Key concepts.....	408
4A.F.2	Compliance TI	408
4A.F.3	Share of one-in-two year peak demand forecast.....	409
Division 3	AEMO notifications to AER.....	410
4A.F.4	AEMO notification of compliance trading intervals	410
4A.F.5	AEMO compliance report.....	410
Division 4	AER assessment of compliance.....	411
4A.F.6	Reliability Compliance Procedures and Guidelines	411
4A.F.7	AER assessment.....	411
4A.F.8	AER notification to AEMO for PoLR costs	411
Division 5	Miscellaneous	412
4A.F.9	Demand response information	412
4A.F.10	PoLR cost procedures	412
Part G	Market Liquidity Obligation	412
Division 1	Preliminary.....	412
4A.G.1	Overview of Part G	412
4A.G.2	Purpose and application	413
Division 2	Market Generators and trading right holders.....	413
4A.G.3	Market Generators and generator capacity	413
4A.G.4	Trading rights and trading right holders	414
Division 3	Trading groups.....	414
4A.G.5	Trading group	414
4A.G.6	Controlling entity	415
Division 4	Traced capacity and trading group capacity	417
4A.G.7	Traced capacity	417
4A.G.8	Tracing capacity to trading groups	417
4A.G.9	Trading group capacity	417
Division 5	MLO generators and MLO groups.....	418
4A.G.10	MLO group	418
4A.G.11	MLO generator	418
Division 6	Market Generator information	418
4A.G.12	MLO register	418
4A.G.13	Market Generator information	419
4A.G.14	Applications to the AER.....	420
Division 7	Liquidity period	421

4A.G.15	Notices prior to a liquidity period.....	421
4A.G.16	Duration of liquidity period	421
Division 8	Liquidity obligation	422
4A.G.17	Liquidity obligation	422
4A.G.18	Performing a liquidity obligation.....	422
4A.G.19	Volume limits	424
4A.G.20	Appointment of MLO nominee	424
4A.G.21	Exemptions	425
Division 9	MLO products and MLO exchange	426
4A.G.22	MLO products.....	426
4A.G.23	MLO exchange	426
Division 10	Miscellaneous	427
4A.G.24	MLO compliance and reporting.....	427
4A.G.25	MLO Guidelines	428
Part H	Voluntary Book Build.....	428
4A.H.1	Purpose and application.....	428
4A.H.2	Book Build Procedures	429
4A.H.3	Commencement of voluntary book build	430
4A.H.4	Participation in the voluntary book build	430
4A.H.5	Book build fees	430
4A.H.6	Reporting	431
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	468
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	480
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	485
5.3.11	Notification of request to change normal voltage.....	485
5.3A	Establishing or modifying connection - embedded generation.....	485
5.3A.A1	Definitions	485
5.3A.1	Application of rule 5.3A	486
5.3A.2	Miscellaneous	486
5.3A.3	Publication of Information.....	487
5.3A.4	Fees	489
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	495
5.3B	Application for connection to declared shared network	498
5.4	Independent Engineer	499
5.4.1	Application	499
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	502
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	503
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	507
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	508
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	526
5.8.1	Requirement to inspect and test equipment	526
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	531
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	546
5.13.3	Distribution system limitation template.....	546
5.13A	Distribution zone substation information.....	547
5.14	Joint planning.....	550
5.14.1	Joint planning obligations of Transmission Network Service Providers and Distribution Network Service Providers.....	550
5.14.2	Joint planning obligations of Distribution Network Service Providers and Distribution Network Service Providers.....	551
5.14.3	Joint planning obligations of Transmission Network Service Providers	551
Clause 5.14.4	Joint ISP planning by Transmission Network Service Providers and AEMO.....	552
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	553
5.14B.1	Development of TAPR Guidelines	553
5.15	Regulatory investment tests generally	553
5.15.1	Interested parties	553
5.15.2	Identification of a credible option.....	553
5.15.3	Review of costs thresholds	554
5.15.4	Costs determinations.....	556
5.15A	Regulatory investment test for transmission.....	557
5.15A.1	General principles and application	557
5.15A.2	Principles for RIT-T projects which are not actionable ISP projects	557
5.15A.3	Principles for actionable ISP projects.....	560
5.16	Application of RIT-T to RIT-T projects which are not actionable ISP projects.....	562
5.16.1	Application	562
5.16.2	Regulatory investment test for transmission application guidelines	562

5.16.3	Investments subject to the regulatory investment test for transmission	563
5.16.4	Regulatory investment test for transmission procedures	565
5.16.5	[Deleted]	572
5.16.6	[Deleted]	572
5.16A	Application of the RIT-T to actionable ISP Projects	572
5.16A.1	Application	572
5.16A.2	Cost Benefit Analysis Guidelines	572
5.16A.3	Actionable ISP projects subject to the RIT-T	572
5.16A.4	Regulatory investment test for transmission procedures	573
5.16A.5	Actionable ISP project trigger event.....	576
5.16B	Disputes in relation to application of regulatory investment test for transmission	576
5.17	Regulatory investment test for distribution	579
5.17.1	Principles	579
5.17.2	Regulatory investment test for distribution application guidelines	581
5.17.3	Projects subject to the regulatory investment test for distribution	582
5.17.4	Regulatory investment test for distribution procedures.....	583
5.17.5	Disputes in relation to application of regulatory investment test for distribution.....	588
5.18	Construction of funded augmentations	590
5.18A	Large generator connections	591
5.18A.1	Definitions	591
5.18A.2	Register of large generator connections.....	591
5.18A.3	Impact assessment of large generator connections	592
5.18B	Completed embedded generation projects	593
5.18B.1	Definitions	593
5.18B.2	Register of completed embedded generation projects	593
5.19	SENE Design and Costing Study.....	594
5.19.1	Definitions	594
5.19.2	Interpretation.....	594
5.19.3	Request for SENE Design and Costing Study	595
5.19.4	Content of SENE Design and Costing Study	596
5.19.5	Co-operation of other Network Service Providers	597
5.19.6	Publication of SENE Design and Costing Study report	597
5.19.7	Provision and use of information.....	597
5.20	System security reports	598
5.20.1	Definitions	598
5.20.2	Publication of NSCAS methodology	598
5.20.3	Publication of NSCAS Report	598
5.20.4	Inertia requirements methodology	599
5.20.5	Publication of Inertia Report	599
5.20.6	Publication of system strength requirements methodologies	600
5.20.7	Publication of System Strength Report.....	601
5.20A	Frequency management planning	601
5.20A.1	Power system frequency risk review	601

5.20A.2	Power system frequency risk review process	602
5.20A.3	Power system frequency risk review report.....	602
5.20A.4	Request for protected event declaration.....	603
5.20A.5	Request to revoke a protected event declaration	604
5.20B	Inertia sub-networks and requirements	604
5.20B.1	Boundaries of inertia sub-networks	604
5.20B.2	Inertia requirements	604
5.20B.3	Inertia shortfalls	605
5.20B.4	Inertia Service Provider to make available inertia services.....	606
5.20B.5	Inertia support activities	608
5.20B.6	Inertia network services information and approvals.....	609
5.20C	System strength requirements	611
5.20C.1	System strength requirements.....	611
5.20C.2	Fault level shortfalls	612
5.20C.3	System Strength Service Provider to make available system strength services.....	612
5.20C.4	System strength services information and approvals.....	614
5.21	AEMO's obligation to publish information and guidelines and provide advice	616
5.22	Integrated System Plan	618
5.22.1	Duty of AEMO to make Integrated System Plan	618
5.22.2	Purpose of the ISP	618
5.22.3	Power system needs.....	618
5.22.4	ISP timetable.....	618
5.22.5	Guidelines relevant to the ISP	619
5.22.6	Content of Integrated System Plan	620
5.22.7	ISP consumer panel	622
5.22.8	Preliminary consultations	623
5.22.9	AER transparency review on Inputs, Assumptions and Scenarios Report	623
5.22.10	Preparation of ISP.....	624
5.22.11	Draft Integrated System Plan.....	626
5.22.12	Non-network options	627
5.22.13	AER transparency review of draft Integrated System Plan	628
5.22.14	Final Integrated System Plan	628
5.22.15	ISP updates	629
5.22.16	ISP database.....	630
5.22.17	Jurisdictional planning bodies and jurisdictional planning representatives	630
5.22.18	NTP Functions.....	631
5.23	Disputes in relation to an ISP	631
5.23.1	Disputing party	631
5.23.2	Initial AER review.....	632
5.23.3	Provision of further information.....	632
5.23.4	AER determination	632
5.24	REZ design reports and joint REZ planning	633
5.24.1	REZ design reports	633
5.24.2	Joint REZ planning by jurisdictional planning bodies and AEMO	636

Schedule 5.1a	System standards	636
S5.1a.1	Purpose	636
S5.1a.2	Frequency	636
S5.1a.3	System stability	637
S5.1a.4	Power frequency voltage	637
S5.1a.5	Voltage fluctuations	638
S5.1a.6	Voltage waveform distortion	638
S5.1a.7	Voltage unbalance	639
S5.1a.8	Fault clearance times	640
Schedule 5.1	Network Performance Requirements to be Provided or Co-ordinated by Network Service Providers	641
S5.1.1	Introduction	641
S5.1.2	Network reliability	642
S5.1.2.1	Credible contingency events	642
S5.1.2.2	Network service within a region	643
S5.1.2.3	Network service between regions	644
S5.1.3	Frequency variations	644
S5.1.4	Magnitude of power frequency voltage	644
S5.1.5	Voltage fluctuations	645
S5.1.6	Voltage harmonic or voltage notching distortion	646
S5.1.7	Voltage unbalance	647
S5.1.8	Stability	648
S5.1.9	Protection systems and fault clearance times	649
S5.1.10	Load, generation and network control facilities	652
S5.1.10.1	General	652
S5.1.10.1a	Emergency frequency control schemes	653
S5.1.10.2	Distribution Network Service Providers	654
S5.1.10.3	Transmission Network Service Providers	654
S5.1.11	Automatic reclosure of transmission or distribution lines	655
S5.1.12	Rating of transmission lines and equipment	655
S5.1.13	Information to be provided	656
Schedule 5.2	Conditions for Connection of Generators	656
S5.2.1	Outline of requirements	656
S5.2.2	Application of Settings	657
S5.2.3	Technical matters to be coordinated	657
S5.2.4	Provision of information	658
S5.2.5	Technical requirements	661
S5.2.5.1	Reactive power capability	661
S5.2.5.2	Quality of electricity generated	662
S5.2.5.3	Generating system response to frequency disturbances	663
S5.2.5.4	Generating system response to voltage disturbances	666
S5.2.5.5	Generating system response to disturbances following contingency events	668
S5.2.5.6	Quality of electricity generated and continuous uninterrupted operation	676
S5.2.5.7	Partial load rejection	676
S5.2.5.8	Protection of generating systems from power system disturbances	676
S5.2.5.9	Protection systems that impact on power system security	678
S5.2.5.10	Protection to trip plant for unstable operation	679

S5.2.5.11	Frequency control	680
S5.2.5.12	Impact on network capability	683
S5.2.5.13	Voltage and reactive power control	684
S5.2.5.14	Active power control	691
S5.2.6	Monitoring and control requirements	693
S5.2.6.1	Remote Monitoring.....	693
S5.2.6.2	Communications equipment	695
S5.2.7	Power station auxiliary supplies	696
S5.2.8	Fault current.....	696
Schedule 5.3	Conditions for Connection of Customers	698
S5.3.1a	Introduction to the schedule.....	698
S5.3.1	Information	699
S5.3.2	Design standards.....	700
S5.3.3	Protection systems and settings	701
S5.3.4	Settings of protection and control systems	702
S5.3.5	Power factor requirements.....	703
S5.3.6	Balancing of load currents	703
S5.3.7	Voltage fluctuations.....	704
S5.3.8	Harmonics and voltage notching	704
S5.3.9	Design requirements for Network Users' substations.....	705
S5.3.10	Load shedding facilities	705
Schedule 5.3a	Conditions for connection of Market Network Services	706
S5.3a.1a	Introduction to the schedule.....	706
S5.3a.1	Provision of Information.....	707
S5.3a.2	Application of settings.....	708
S5.3a.3	Technical matters to be co-ordinated.....	709
S5.3a.4	Monitoring and control requirements	710
S5.3a.4.1	Remote Monitoring.....	710
S5.3a.4.2	[Deleted]	710
S5.3a.4.3	Communications equipment	710
S5.3a.5	Design standards.....	711
S5.3a.6	Protection systems and settings	711
S5.3a.7	[Deleted]	713
S5.3a.8	Reactive power capability.....	713
S5.3a.9	Balancing of load currents	713
S5.3a.10	Voltage fluctuations.....	714
S5.3a.11	Harmonics and voltage notching	714
S5.3a.12	Design requirements for Market Network Service Providers' substations.....	714
S5.3a.13	Market network service response to disturbances in the power system	715
S5.3a.14	Protection of market network services from power system disturbances	715
Schedule 5.4	Information to be Provided with Preliminary Enquiry	716
Schedule 5.4A	Preliminary Response.....	717
Schedule 5.4B	Detailed Response to Enquiry.....	719
Schedule 5.5	Technical Details to Support Application for Connection and Connection Agreement.....	721

S5.5.1	Introduction to the schedule.....	721
S5.5.2	Categories of data	721
S5.5.3	Review, change and supply of data	722
S5.5.4	Data Requirements.....	722
S5.5.5	Asynchronous generating unit data	723
S5.5.6	Generating units smaller than 30MW data	723
S5.5.7	Power System Design Data Sheet, Power System Setting Data Sheet and Power System Model Guidelines	723
Schedule 5.5.1	[Deleted]	726
Schedule 5.5.2	[Deleted]	726
Schedule 5.5.3	Network and plant technical data of equipment at or near connection point.....	726
Schedule 5.5.4	Network Plant and Apparatus Setting Data	729
Schedule 5.5.5	Load Characteristics at Connection Point.....	731
Schedule 5.6	Terms and Conditions of Connection agreements and network operating agreements	732
Part A	Connection agreements	732
Part B	Network Operating Agreements	733
Schedule 5.7	Annual Forecast Information for Planning Purposes	734
Schedule 5.8	Distribution Annual Planning Report	736
Schedule 5.9	Demand side engagement document (clause 5.13.1(h)).....	742
Schedule 5.10	Information requirements for Primary Transmission Network Service Providers (clause 5.2A.5)	743
Schedule 5.11	Negotiating principles for negotiated transmission services (clause 5.2A.6)	746
Schedule 5.12	Negotiating principles for large DCA services.....	748
5A.	Electricity connection for retail customers.....	753
Part A	Preliminary.....	753
5A.A.1	Definitions	753
5A.A.2	Application of this Chapter.....	756
5A.A.3	Small Generation Aggregator deemed to be agent of a retail customer.....	756
Part B	Standardised offers to provide basic and standard connection services	757
Division 1	Basic connection services	757
5A.B.1	Obligation to have model standing offer to provide basic connection services.....	757
5A.B.2	Proposed model standing offer for basic connection services.....	757
5A.B.3	Approval of terms and conditions of model standing offer to provide basic connection services	758
Division 2	Standard connection services.....	759
5A.B.4	Standard connection services.....	759

5A.B.5	Approval of model standing offer to provide standard connection services	760
Division 3	Miscellaneous	760
5A.B.6	Amendment etc of model standing offer	760
5A.B.7	Publication of model standing offers	761
Part C	Negotiated connection	761
5A.C.1	Negotiation of connection.....	761
5A.C.2	Process of negotiation.....	762
5A.C.3	Negotiation framework.....	762
5A.C.4	Fee to cover cost of negotiation.....	764
Part D	Application for connection service	764
Division 1	Information	764
5A.D.1	Publication of information.....	764
5A.D.1A	Register of completed embedded generation projects	765
Division 2	Preliminary enquiry	766
5A.D.2	Preliminary enquiry	766
Division 3	Applications.....	767
5A.D.3	Application process	767
5A.D.4	Site inspection.....	768
Part E	Connection charges.....	768
5A.E.1	Connection charge principles	768
5A.E.2	Itemised statement of connection charges	770
5A.E.3	Connection charge guidelines.....	770
5A.E.4	Payment of connection charges	772
Part F	Formation and integration of connection contracts	772
Division 1	Offer and acceptance – basic and standard connection services.....	772
5A.F.1	Distribution Network Service Provider's response to application	772
5A.F.2	Acceptance of connection offer	773
5A.F.3	Offer and acceptance—application for expedited connection.....	773
Division 2	Offer and acceptance – negotiated connection.....	773
5A.F.4	Negotiated connection offer	773
Division 3	Formation of contract.....	774
5A.F.5	Acceptance of connection offer	774
Division 4	Contractual performance.....	774
5A.F.6	Carrying out connection work	774
5A.F.7	Retailer required for energisation where new connection	775
Part G	Dispute resolution between Distribution Network Service Providers and customers.....	775
5A.G.1	Relevant disputes	775
5A.G.2	Determination of dispute	775
5A.G.3	Termination of proceedings.....	776
SCHEDULE 5A.1 – Minimum content requirements for connection contract		776
Part A	Connection offer not involving embedded generation	776

Part B	Connection offer involving embedded generation	777
6.	Economic Regulation of Distribution Services	781
Part A	Introduction.....	781
6.1	Introduction to Chapter 6.....	781
6.1.1	AER's regulatory responsibility	781
6.1.1A	[Deleted]	781
6.1.2	Structure of this Chapter	781
6.1.3	Access to direct control services and negotiated distribution services	782
6.1.4	Prohibition of DUOS charges for the export of energy	782
Part B	Classification of Distribution Services and Distribution Determinations.....	782
6.2	Classification	782
6.2.1	Classification of distribution services.....	782
6.2.2	Classification of direct control services as standard control services or alternative control services	783
6.2.3	Term for which classification operates	784
6.2.3A	Distribution Service Classification Guidelines.....	784
6.2.4	Duty of AER to make distribution determinations	785
6.2.5	Control mechanisms for direct control services	785
6.2.6	Basis of control mechanisms for direct control services	786
6.2.7	Negotiated distribution services	786
6.2.8	Guidelines	786
Part C	Building Block Determinations for standard control services	787
6.3	Building block determinations.....	787
6.3.1	Introduction.....	787
6.3.2	Contents of building block determination	787
6.4	Post-tax revenue model	788
6.4.1	Preparation, publication and amendment of post-tax revenue model.....	788
6.4.2	Contents of post-tax revenue model	788
6.4.3	Building block approach.....	788
6.4.4	Shared assets	790
6.4.5	Expenditure Forecast Assessment Guidelines	791
6.4A	Capital expenditure incentive mechanisms	791
6.4B	Asset exemptions.....	792
6.4B.1	Asset exemption decisions and Asset Exemption Guidelines	792
6.4B.2	Exemption applications	793
6.5	Matters relevant to the making of building block determinations.....	793
6.5.1	Regulatory asset base.....	793
6.5.2	Return on capital.....	794
6.5.3	Estimated cost of corporate income tax	794
6.5.4	[Deleted]	795
6.5.5	Depreciation.....	795

6.5.6	Forecast operating expenditure	796
6.5.7	Forecast capital expenditure	798
6.5.8	Efficiency benefit sharing scheme	802
6.5.8A	Capital expenditure sharing scheme	803
6.5.9	The X factor	804
6.5.10	Pass through events	805
6.6	Adjustments after making of building block determination.	805
6.6.1	Cost pass through	805
6.6.1A	Reporting on jurisdictional schemes	811
6.6.2	Service target performance incentive scheme	813
6.6.3	Demand management incentive scheme	814
6.6.3A	Demand management innovation allowance mechanism	815
6.6.4	Small-scale incentive scheme	816
6.6.5	Reopening of distribution determination for capital expenditure	817
6.6A	Contingent Projects	820
6.6A.1	Acceptance of a contingent project in a distribution determination	820
6.6A.2	Amendment of distribution determination for contingent project	822
Part D	Negotiated distribution services	826
6.7	Negotiated distribution services	826
6.7.1	Principles relating to access to negotiated distribution services	826
6.7.2	Determination of terms and conditions of access for negotiated distribution services	828
6.7.3	Negotiating framework determination	829
6.7.4	Negotiated Distribution Service Criteria determination	829
6.7.5	Preparation of and requirements for negotiating framework for negotiated distribution services	830
6.7.6	Confidential information	831
Part DA	Connection policies	832
6.7A	Connection policy requirements	832
6.7A.1	Preparation of, and requirements for, connection policy	832
Part E	Regulatory proposal and proposed tariff structure statement	833
6.8	Regulatory proposal and proposed tariff structure statement	833
6.8.1	AER's framework and approach paper	833
6.8.1A	Notification of approach to forecasting expenditure	835
6.8.2	Submission of regulatory proposal, tariff structure statement and exemption application	835
6.9	Preliminary examination and consultation	837
6.9.1	Preliminary examination	837
6.9.2	Resubmission of proposal	838
6.9.2A	Confidential information	838
6.9.3	Consultation	838
6.10	Draft distribution determination and further consultation	839
6.10.1	Making of draft distribution determination	839
6.10.2	Publication of draft determination and consultation	840
6.10.3	Submission of revised proposal	840
6.10.4	Submissions on specified matters	841

6.11	Distribution determination	841
6.11.1	Making of distribution determination	841
6.11.1A	Out of scope revised regulatory proposal or late submissions	842
6.11.2	Notice of distribution determination	842
6.11.3	Commencement of distribution determination	843
6.12	Requirements relating to draft and final distribution determinations.....	843
6.12.1	Constituent decisions	843
6.12.2	Reasons for decisions	846
6.12.3	Extent of AER's discretion in making distribution determinations	847
6.13	Revocation and substitution of distribution determination for wrong information or error	848
6.14	Miscellaneous	849
6.14A	Distribution Confidentiality Guidelines	849
Part F	Cost Allocation	850
6.15	Cost allocation	850
6.15.1	Duty to comply with Cost Allocation Method	850
6.15.2	Cost Allocation Principles	850
6.15.3	Cost Allocation Guidelines	851
6.15.4	Cost Allocation Method.....	851
Part G	Distribution consultation procedures	852
6.16	Distribution consultation procedures	852
Part H	Ring-Fencing Arrangements for Distribution Network Service Providers.....	854
6.17	Distribution Ring-Fencing Guidelines	854
6.17.1	Compliance with Distribution Ring-Fencing Guidelines	854
6.17.2	Development of Distribution Ring-Fencing Guidelines	854
Part I	Distribution Pricing Rules	855
6.18	Distribution Pricing Rules	855
6.18.1	Application of this Part	855
6.18.1A	Tariff structure statement	855
6.18.1B	Amending a tariff structure statement with the AER's approval	856
6.18.1C	Sub-threshold tariffs	857
6.18.2	Pricing proposals	858
6.18.3	Tariff classes	859
6.18.4	Principles governing assignment or re-assignment of retail customers to tariff classes and assessment and review of basis of charging	860
6.18.5	Pricing principles	860
6.18.6	Side constraints on tariffs for standard control services	862
6.18.7	Recovery of designated pricing proposal charges	863
6.18.7A	Recovery of jurisdictional scheme amounts	863
6.18.8	Approval of pricing proposal	867
6.18.9	Publication of information about tariffs and tariff classes	868
6.19.	Data Required for Distribution Service Pricing	868

6.19.1	Forecast use of networks by Distribution Customers and Embedded Generators	868
6.19.2	Confidentiality of distribution network pricing information	869
Part J	Billing and Settlements	869
6.20	Billing and Settlements Process	869
6.20.1	Billing for distribution services	869
6.20.2	Minimum information to be provided in distribution network service bills	871
6.20.3	Settlement between Distribution Network Service Providers	871
6.20.4	Obligation to pay	871
Part K	Prudential requirements, capital contributions and prepayments	871
6.21	Distribution Network Service Provider Prudential Requirements	871
6.21.1	Prudential requirements for distribution network service	871
6.21.2	Capital contributions, prepayments and financial guarantees	872
6.21.3	Treatment of past prepayments and capital contributions	873
Part L	Dispute resolution	873
6.22	Dispute Resolution	873
6.22.1	Dispute Resolution by the AER	873
6.22.2	Determination of dispute	873
6.22.3	Termination of access dispute without access determination	875
Part M	Separate disclosure of transmission and distribution charges	875
6.23	Separate disclosure of transmission and distribution charges	875
Part N	Dual Function Assets	876
6.24	Dual Function Assets	876
6.24.1	Application of this Part	876
6.24.2	Dual Function Assets	876
6.25	AER determination of applicable pricing regime for Dual Function Assets	876
6.26	Division of Distribution Network Service Provider's revenue	877
Part O	Annual Benchmarking Report	879
6.27	Annual Benchmarking Report	879
Part P	Distribution Reliability Measures Guidelines	879
6.28	Distribution Reliability Measures Guidelines	879
Schedule 6.1	Contents of building block proposals	879
S6.1.1	Information and matters relating to capital expenditure	879
S6.1.2	Information and matters relating to operating expenditure	880
S6.1.3	Additional information and matters	881
Schedule 6.2	Regulatory Asset Base	883
S6.2.1	Establishment of opening regulatory asset base for a regulatory control period	883

S6.2.2	Prudence and efficiency of capital expenditure.....	888
S6.2.2A	Reduction for inefficient past capital expenditure.....	888
S6.2.2B	Depreciation.....	890
S6.2.3	Roll forward of regulatory asset base within the same regulatory control period.....	891
6A.	Economic Regulation of Transmission Services.....	895
Part A	Introduction.....	895
6A.1	Introduction to Chapter 6A	895
6A.1.1	Economic regulation of transmission services generally.....	895
6A.1.2	[Deleted]	896
6A.1.3	[Deleted]	896
6A.1.4	National regulatory arrangements.....	896
6A.1.5	Application of Chapter 6A to Market Network Service Providers.....	896
6A.1.6	Application of Chapter 6A to AEMO and declared transmission system operators	896
Part B	Transmission Determinations Generally	897
6A.2	Transmission determinations	897
6A.2.1	Duty of AER to make transmission determinations	897
6A.2.2	Components of transmission determinations.....	897
6A.2.3	Guidelines	897
Part C	Regulation of Revenue - Prescribed Transmission Services.....	898
6A.3	Allowed revenue from prescribed transmission services	898
6A.3.1	Allowed revenue for regulatory year	898
6A.3.2	Adjustment of maximum allowed revenue.....	898
6A.4	Revenue determinations	898
6A.4.1	Introduction.....	898
6A.4.2	Contents of revenue determination	898
6A.5	Post-tax revenue model	899
6A.5.1	Introduction.....	899
6A.5.2	Preparation, publication and amendment of post-tax revenue model.....	900
6A.5.3	Contents of post-tax revenue model	900
6A.5.4	Building blocks approach	901
6A.5.5	Shared assets	902
6A.5.6	Expenditure Forecast Assessment Guidelines	903
6A.5A	Capital expenditure incentive mechanisms	903
6A.6	Matters relevant to the making of revenue determinations.....	904
6A.6.1	Regulatory asset base.....	904
6A.6.2	Return on capital.....	905
6A.6.3	Depreciation.....	905
6A.6.4	Estimated cost of corporate income tax	906
6A.6.5	Efficiency benefit sharing scheme	907
6A.6.5A	Capital expenditure sharing scheme	908
6A.6.6	Forecast operating expenditure	909
6A.6.7	Forecast capital expenditure	911

6A.6.8	The X factor.....	915
6A.6.9	Pass through events.....	916
6A.7	Matters relevant to the adjustment of revenue cap after making of revenue determination	916
6A.7.1	Reopening of revenue determination for capital expenditure.....	916
6A.7.2	Network support pass through	919
6A.7.3	Cost pass through.....	920
6A.7.4	Service target performance incentive scheme	926
6A.7.5	Small-scale incentive scheme	927
6A.7.6	Demand management innovation allowance mechanism.....	928
6A.8	Contingent Projects	929
6A.8.A1	Eligibility for consideration as a contingent project.....	929
6A.8.1	Acceptance of a Contingent Project in a revenue determination.....	929
6A.8.2	Amendment of revenue determination for contingent project.....	931
Part D	[Deleted]	936
Part E	Procedure - Revenue determinations and pricing methodologies.....	936
6A.10	Revenue Proposal and proposed pricing methodology	936
6A.10.1A	AER's framework and approach paper	936
6A.10.1B	Notification of approach to forecasting expenditure	938
6A.10.1	Submission of proposal, pricing methodology and information	938
6A.10.2	[Deleted]	939
6A.11	Preliminary examination and consultation	939
6A.11.1	Preliminary examination and determination of non-compliance with relevant requirements	939
6A.11.2	Resubmission of proposal, framework, pricing methodology or information	940
6A.11.2A	Confidential information	940
6A.11.3	Consultation.....	940
6A.12	Draft decision and further consultation	941
6A.12.1	Making of draft decision.....	941
6A.12.2	Publication of draft decision and consultation.....	942
6A.12.3	Submission of revised proposal or pricing methodology	942
6A.12.4	Submissions on specified matters	943
6A.13	Final decision.....	944
6A.13.1	Making of final decision.....	944
6A.13.2	Refusal to approve amounts, values, framework or pricing methodology	944
6A.13.2A	Out of scope revised documents or late submissions	945
6A.13.3	Notice of final decision.....	946
6A.13.4	Making of transmission determination	946
6A.14	Requirements relating to draft and final decisions	946
6A.14.1	Contents of decisions.....	946
6A.14.2	Reasons for decisions	948
6A.14.3	Circumstances in which matters must be approved or accepted	948

6A.15	Revocation of revenue determination or amendment of pricing methodology for wrong information or error	951
6A.16	Miscellaneous	951
6A.16A	Transmission Confidentiality Guidelines	952
Part F	Information Disclosure.....	952
6A.17	Information disclosure by Transmission Network Service Providers.....	952
6A.17.1	Information to be provided to AER	952
6A.17.2	Information Guidelines	953
6A.18	[Deleted]	955
Part G	Cost Allocation	955
6A.19	Cost allocation	955
6A.19.1	Duty to comply with Cost Allocation Methodology	955
6A.19.2	Cost Allocation Principles	955
6A.19.3	Cost Allocation Guidelines.....	956
6A.19.4	Cost Allocation Methodology.....	956
Part H	Transmission Consultation Procedures	957
6A.20	Transmission consultation procedures	957
Part I	Ring-Fencing Arrangements for Transmission Network Service Providers.....	959
6A.21	Transmission Ring-Fencing Guidelines	959
6A.21.1	Compliance with Transmission Ring-Fencing Guidelines	959
6A.21.2	Development of Transmission Ring-Fencing Guidelines.....	959
Part J	Prescribed Transmission Services - Regulation of Pricing	960
6A.22	Terms used in Part J.....	960
6A.22.1	Aggregate annual revenue requirement (AARR)	960
6A.22.2	Annual service revenue requirement (ASRR)	961
6A.22.3	Meaning of attributable cost share.....	961
6A.22.4	Meaning of attributable connection point cost share	961
6A.23	Pricing Principles for Prescribed Transmission Services	961
6A.23.1	Introduction.....	961
6A.23.2	Principles for the allocation of the aggregate annual revenue requirement.....	962
6A.23.3	Principles for the allocation of the annual service revenue requirement to connection points.....	962
6A.23.4	Principles for the recovery of the Annual Service Revenue Requirement as prices.....	965
6A.24	Pricing methodology	966
6A.24.1	Pricing methodologies generally	966
6A.24.2	Publication of pricing methodology and transmission network prices.....	968
6A.24.3	Basis for setting prices pending approval of pricing methodology	968
6A.24.4	Basis for setting prices pending approval of maximum allowed revenue.....	969

6A.25	Pricing methodology guidelines for prescribed transmission services	970
6A.25.1	Making and amending of pricing methodology guidelines	970
6A.25.2	Contents of pricing methodology guidelines	970
6A.26	Prudent discounts	971
6A.26.1	Agreements for prudent discounts for prescribed transmission services	971
6A.26.2	Application to AER for approval of proposed prudent discount amounts	972
6A.27	Billing Process	974
6A.27.1	Billing for prescribed transmission services	974
6A.27.1A	Billing of modified load export charges	974
6A.27.2	Minimum information to be provided in network service bills	974
6A.27.3	Obligation to pay charges for prescribed transmission services	975
6A.27.4	Payments between Transmission Network Service Providers in the same region	975
6A.27.5	Calculation of financial transfers between Transmission Network Service Providers in the same region	975
6A.28	Prudential Requirements	976
6A.28.1	Prudential Requirements for prescribed transmission services	976
6A.28.2	Capital contribution or prepayment for a specific asset	976
6A.28.3	Treatment of past capital contributions	976
6A.29	Multiple Transmission Network Service Providers.....	976
6A.29.1	Multiple Transmission Network Service Providers within a region	976
6A.29.2	Single Transmission Network Service Provider within a region.....	977
6A.29.3	Allocation over several regions	977
6A.29A	Modified load export charges	978
6A.29A.1	Single Transmission Network Service Provider in a Region	978
6A.29A.2	Calculation of the modified load export charges	978
6A.29A.3	Calculation of adjustments to the modified load export charge	979
6A.29A.4	Billing the modified load export charge	979
6A.29A.5	Allocation and billing process where multiple Transmission Network Service Providers in a Region.....	979
Part K	Commercial arbitration for disputes about terms and conditions of access for prescribed and negotiated transmission services	980
[Deleted]	980	
Part L	Annual Benchmarking Report	980
6A.31	Annual Benchmarking Report	980
Schedule 6A.1	Contents of Revenue Proposals	980
S6A.1.1	Information and matters relating to capital expenditure	980
S6A.1.2	Information and matters relating to operating expenditure	981
S6A.1.3	Additional information and matters	982
Schedule 6A.2	Regulatory Asset Base	984

S6A.2.1	Establishment of opening regulatory asset base for a regulatory control period.....	984
S6A.2.2	Prudency and efficiency of capital expenditure.....	989
S6A.2.2A	Reduction for inefficient past capital expenditure.....	990
S6A.2.2B	Depreciation.....	992
S6A.2.3	Removal of assets from regulatory asset base.....	992
S6A.2.4	Roll forward of regulatory asset base within the same regulatory control period.....	993
Schedule 6A.3	CRNP methodology and modified CRNP methodology.....	994
S6A.3.1	Meaning of optimised replacement cost.....	994
S6A.3.2	CRNP methodology.....	994
S6A.3.3	Modified CRNP methodology.....	995
Schedule 6A.4	Application of this Chapter to AEMO and declared transmission system operators.....	996
S6A.4.1	Application of this Chapter to AEMO etc.....	996
S6A.4.2	Exclusions, qualifications and modifications.....	996
6B.	Retail markets.....	1005
Part A	Retail support.....	1005
Division 1	Application and definitions.....	1005
6B.A1.1	Application of this Part.....	1005
6B.A1.2	Definitions.....	1005
Division 2	Billing and payment rules.....	1005
6B.A2.1	Obligation to pay.....	1005
6B.A2.2	Direct customer billing and energy-only contracts.....	1006
6B.A2.3	Calculating network charges.....	1006
6B.A2.4	Statement of charges.....	1006
6B.A2.5	Time and manner of payment.....	1007
Division 3	Matters incidental to billing and payment.....	1007
6B.A3.1	Adjustment of network charges.....	1007
6B.A3.2	Tariff reassignment.....	1007
6B.A3.3	Disputed statements of charges.....	1008
6B.A3.4	Interest.....	1009
6B.A3.5	Notification of changes to charges.....	1009
Part B	Credit support required for late payment.....	1010
Division 1	Application and definitions.....	1010
6B.B1.1	Application of Part B.....	1010
6B.B1.2	Definitions.....	1010
Division 2	Requirements for credit support.....	1010
6B.B2.1	Distribution Network Service Provider may require credit support in limited circumstances.....	1010
Division 3	Provision of credit support by retailers.....	1011
6B.B3.1	Retailer to provide credit support.....	1011
6B.B3.2	Acceptable form of credit support.....	1011
Division 4	Other Rules relating to credit support.....	1012

6B.B4.1	Application of credit support	1012
6B.B4.2	Return of credit support	1012
6B.B4.3	Other retailer obligations	1012
Schedule 6B.1	Prescribed form of unconditional undertaking for credit support	1012
7.	Metering	1017
Part A	Introduction	1017
7.1	Introduction to the Metering Chapter	1017
7.1.1	Contents	1017
Part B	Roles and Responsibilities	1017
7.2	Role and Responsibility of financially responsible Market Participant	1017
7.2.1	Obligations of financially responsible Market Participants to establish metering installations	1017
7.2.2	[Not used]	1018
7.2.3	Agreements with Local Network Service Provider	1018
7.2.4	[Not used]	1018
7.2.5	Agreements with Metering Provider	1018
7.3	Role and Responsibility of Metering Coordinator	1018
7.3.1	Responsibility of the Metering Coordinator	1018
7.3.2	Role of the Metering Coordinator	1019
7.4	Qualification and Registration of Metering Providers, Metering Data Providers and Embedded Network Managers	1022
7.4.1	Qualifications and registration of Metering Providers	1022
7.4.2	Qualifications and registration of Metering Data Providers	1023
7.4.2A	Qualifications and registration of Embedded Network Managers	1023
7.4.2B	List of Embedded Network Managers	1024
7.4.3	Nature of appointment of Metering Provider or Metering Data Provider	1024
7.4.4	Deregistration of Metering Providers, Metering Data Providers and Embedded Network Managers	1024
7.5	Role and Responsibility of AEMO	1026
7.5.1	Responsibility of AEMO for the collection, processing and delivery of metering data	1026
7.5.2	AEMO's costs in connection with metering installation	1027
7.5A	Role and Responsibility of Embedded Network Managers	1027
7.5A.1	Responsibility of Embedded Network Managers for management services	1027
7.5A.2	EN information	1027
Part C	Appointment of Metering Coordinator	1028
7.6	Appointment of Metering Coordinator	1028
7.6.1	Commercial nature of the Metering Coordinator appointment and service provision	1028

7.6.2	Persons who may appoint Metering Coordinators.....	1028
7.6.3	Appointment with respect to transmission network connection.....	1029
7.6.4	Type 7 metering installations.....	1029
7.7	Metering Coordinator default arrangements	1030
7.7.1	Obligations of financially responsible Market Participants on Metering Coordinator default event and end of contract term.....	1030
7.7.2	Notices to be provided by Metering Coordinator	1031
7.7.3	AEMO may issue breach notice	1031
Part D	Metering installation	1032
7.8	Metering installation arrangements.....	1032
7.8.1	Metering installation requirements	1032
7.8.2	Metering installation components.....	1033
7.8.3	Small customer metering installations	1037
7.8.4	Type 4A metering installation	1037
7.8.5	Emergency management.....	1040
7.8.6	Network devices	1040
7.8.7	Metering point	1043
7.8.8	Metering installation types and accuracy.....	1043
7.8.9	Meter churn.....	1044
7.8.10	Metering installation malfunctions	1044
7.8.10A	Timeframes for meters to be installed – new connection	1046
7.8.10B	Timeframes for meters to be installed – where a connection service is not required	1047
7.8.10C	Timeframes for meters to be installed – where a connection alteration is required	1048
7.8.11	Changes to metering equipment, parameters and settings within a metering installation	1050
7.8.12	Special site or technology related conditions	1050
7.8.13	Joint metering installations	1051
7.9	Inspection, Testing and Audit of Metering installations.....	1052
7.9.1	Responsibility for testing	1052
7.9.2	Actions in event of non-compliance	1054
7.9.3	Audits of information held in metering installations	1054
7.9.4	Errors found in metering tests, inspections or audits.....	1055
7.9.5	Retention of test records and documents	1056
7.9.6	Metering installation registration process.....	1057
Part E	Metering Data	1057
7.10	Metering Data Services	1057
7.10.1	Metering Data Services.....	1057
7.10.2	Data management and storage	1058
7.10.3	Provision of metering data to certain persons.....	1059
7.10.4	Use of check metering data.....	1059
7.10.5	Periodic energy metering	1060
7.10.6	Time settings.....	1060
7.10.7	Metering data performance standards.....	1061
7.11	Metering data and database	1062
7.11.1	Metering database	1062

7.11.2	Data validation, substitution and estimation.....	1063
7.11.3	Changes to energy data or to metering data.....	1064
7.12	Register of Metering Information	1064
7.12.1	Metering register.....	1064
7.12.2	Metering register discrepancy.....	1064
7.13	Disclosure of NMI information.....	1065
7.13.1	Application of this Rule.....	1065
7.13.2	NMI and NMI checksum	1065
7.13.3	NMI Standing Data.....	1065
7.14	Metering data provision to retail customers	1065
Part F	Security of metering installation and energy data.....	1066
7.15	Security of metering installation and energy data.....	1066
7.15.1	Confidentiality	1066
7.15.2	Security of metering installations	1067
7.15.3	Security controls for energy data	1067
7.15.4	Additional security controls for small customer metering installations	1069
7.15.5	Access to data	1070
Part G	Procedures	1071
7.16	Procedures	1071
7.16.1	Obligation to establish, maintain and publish procedures	1071
7.16.2	Market Settlement and Transfer Solution Procedures	1072
7.16.3	Requirements of the metrology procedure	1072
7.16.4	Jurisdictional metrology material in metrology procedure.....	1074
7.16.5	Additional metrology procedure matters	1075
7.16.6	Requirements of the service level procedures	1076
7.16.6A	Requirements of the ENM service level procedures	1077
7.16.6B	Guide to embedded networks	1078
7.16.7	Amendment of procedures in the Metering Chapter	1078
7.16.8	National Measurement Act	1079
Part H	B2B Requirements	1079
7.17	B2B Arrangements	1079
7.17.1	B2B e-Hub	1079
7.17.2	B2B e-Hub Participants	1080
7.17.3	Content of the B2B Procedures	1081
7.17.4	Changing B2B Procedures.....	1081
7.17.5	B2B Decision.....	1084
7.17.6	Establishment of Information Exchange Committee.....	1085
7.17.7	Functions and powers of Information Exchange Committee	1086
7.17.8	Obligations of Members	1086
7.17.9	Meetings of Information Exchange Committee	1087
7.17.10	Nomination, election and appointment of Members	1088
7.17.11	Qualifications of Members	1089
7.17.12	Information Exchange Committee Election Procedures and Information Exchange Committee Operating Manual.....	1090
7.17.13	Cost Recovery.....	1090

Schedule 7.1	Metering register	1091
S7.1.1	General.....	1091
S7.1.2	Metering register information.....	1091
Schedule 7.2	Metering Provider	1092
S7.2.1	General.....	1092
S7.2.2	Categories of registration.....	1093
S7.2.3	Capabilities of Metering Providers for metering installations types 1, 2, 3, 4 and 4A.....	1094
S7.2.4	Capabilities of Metering Providers for metering installations types 5 and 6.....	1096
S7.2.5	Capabilities of Metering Providers for small customer metering installations	1097
S7.2.6	Capabilities of the Accredited Service Provider category	1097
Schedule 7.3	Metering Data Provider	1097
S7.3.1	General.....	1097
S7.3.2	Categories of registration.....	1097
S7.3.3	Capabilities of Metering Data Providers	1098
S7.3.4	Capabilities of Metering Data Providers for small customer metering installations.....	1100
Schedule 7.4	Types and Accuracy of Metering installations.....	1100
S7.4.1	General requirements.....	1100
S7.4.2	Metering installations commissioned prior to 13 December 1998	1100
S7.4.3	Accuracy requirements for metering installations	1101
S7.4.4	Check metering	1106
S7.4.5	Resolution and accuracy of displayed or captured data.....	1107
S7.4.6	General design standards	1107
S7.4.6.1	Design requirements	1107
S7.4.6.2	Design guidelines.....	1108
Schedule 7.5	Requirements of minimum services specification.....	1109
S7.5.1	Minimum services specification	1109
Schedule 7.6	Inspection and Testing Requirements	1112
S7.6.1	General.....	1112
S7.6.2	Technical Guidelines	1114
Schedule 7.7	Embedded Network Managers.....	1115
S7.7.1	General.....	1115
S7.7.2	Capabilities of Embedded Network Managers	1115
8.	Administrative Functions	1119
Part A	Introductory	1119
8.1	Administrative functions.....	1119
8.1.1	[Deleted]	1119
8.1.2	[Deleted]	1119
8.1.3	Structure of this Chapter.....	1119
Part B	Disputes.....	1119
8.2	Dispute Resolution	1119

8.2.1	Application and guiding principles.....	1119
8.2.2	The Dispute Resolution Adviser.....	1122
8.2.3	Dispute management systems of Registered Participants and AEMO.....	1123
8.2.4	Stage 1 - dispute resolution through Registered Participants' DMS.....	1124
8.2.5	Stage 2 - dispute resolution process.....	1125
8.2.6A	Establishment of Dispute Resolution Panel.....	1126
8.2.6B	Parties to DRP Proceedings.....	1127
8.2.6C	Proceedings of the DRP.....	1128
8.2.6D	Decisions of the DRP.....	1129
8.2.6	[Deleted].....	1129
8.2.7	Legal representation.....	1129
8.2.8	Cost of dispute resolution.....	1130
8.2.9	Effect of resolution.....	1130
8.2.10	Recording and publication.....	1131
8.2.11	Appeals on questions of law.....	1131
8.2.12	[Deleted].....	1131
8.2A	B2B Determination Disputes	1131
8.2A.1	Application of rule 8.2.....	1131
8.2A.2	How rule 8.2 applies.....	1131
8.3	Power to make Electricity Procedures.....	1134
8.4	[Deleted].....	1134
8.5	[Deleted].....	1134
Part C	Registered Participants' confidentiality obligations.....	1134
8.6	Confidentiality.....	1134
8.6.1	Confidentiality.....	1134
8.6.1A	Application.....	1135
8.6.2	Exceptions.....	1135
8.6.3	Conditions.....	1136
8.6.4	[Deleted].....	1137
8.6.5	Indemnity to AER, AEMC and AEMO.....	1137
8.6.6	AEMO information.....	1137
8.6.7	Information on Rules Bodies.....	1137
Part D	Monitoring and reporting	1137
8.7	Monitoring and Reporting.....	1137
8.7.1	Monitoring.....	1137
8.7.2	Reporting requirements and monitoring standards for Registered Participants and AEMO.....	1138
8.7.3	Consultation required for making general regulatory information order (Section 28H of the NEL).....	1140
8.7.4	Preparation of network service provider performance report (Section 28V of the NEL).....	1141
8.7.5	[Deleted].....	1141
8.7.6	Recovery of reporting costs.....	1141
Part E	Reliability panel	1142
8.8	Reliability Panel.....	1142

8.8.1	Purpose of Reliability Panel	1142
8.8.2	Constitution of the Reliability Panel.....	1143
8.8.3	Reliability Panel review process.....	1145
8.8.4	Determination of protected events	1148
Part F	Rules consultation procedures.....	1149
8.9	Rules Consultation Procedures	1149
Part G	Consumer advocacy funding	1151
8.10	Consumer advocacy funding obligation	1151
Part H	Augmentations	1152
8.11	Augmentations	1152
8.11.1	Application	1152
8.11.2	Object.....	1152
8.11.3	Definitions	1152
8.11.4	Planning criteria.....	1153
8.11.5	Construction of augmentation that is not a contestable augmentation.....	1153
8.11.6	Contestable augmentations	1154
8.11.7	Construction and operation of contestable augmentation.....	1154
8.11.8	Funded augmentations that are not subject to the tender process.....	1156
8.11.9	Contractual requirements and principles	1157
8.11.10	Annual planning review.....	1157
Schedule 8.11	Principles to be reflected in agreements relating to contestable augmentations	1158
S8.11.1	Risk allocation	1158
S8.11.2	Minimum requirements for agreements relating to contestable augmentation.....	1159
S8.11.3	Matters to be dealt with in relevant agreements	1159
Part I	Values of customer reliability	1160
8.12	Development of methodology and publication of values of customer reliability	1160
8A.	Participant Derogations.....	1165
Part 1	Derogations Granted to TransGrid	1165
8A.1	[Deleted].....	1165
Part 2	Derogations Granted to EnergyAustralia	1165
8A.2	[Deleted].....	1165
8A.2A	[Deleted].....	1165
Part 3	[Deleted].....	1165
Part 4	[Deleted].....	1165
Part 5	[Deleted].....	1165
Part 6	Derogations Granted to Victorian Market Participants	1165
Part 7	[Deleted].....	1166

Part 8	[Deleted]	1166
Part 9	[Deleted]	1166
Part 10	[Deleted]	1166
Part 11	[Deleted]	1166
Part 12	[Deleted]	1166
Part 13	Derogation granted to Aurora Energy (Tamar Valley) Pty Ltd	1166
8A.13	[Deleted]	1166
Part 14	Derogations granted to Ausgrid, Endeavour Energy and Essential Energy	1166
8A.14	Derogations from Chapter 6 for the current regulatory control period and subsequent regulatory control period	1166
8A.14.1	Definitions	1166
8A.14.2	Expiry date	1170
8A.14.3	Application of Rule 8A.14	1170
8A.14.4	Recovery of revenue across the current regulatory control period and subsequent regulatory control period	1171
8A.14.5	Recovery of revenue in subsequent regulatory control period only and no reopening of subsequent distribution determination required	1172
8A.14.6	Recovery of revenue in subsequent regulatory control period only and reopening of distribution determination is required	1173
8A.14.7	Requirements for adjustment determination	1174
8A.14.8	Application of Chapter 6 under participant derogation	1175
Part 15	Derogations granted to ActewAGL	1176
8A.15	Derogations from Chapter 6 for the current regulatory control period and subsequent regulatory control period	1176
8A.15.1	Definitions	1176
8A.15.2	Expiry date	1180
8A.15.3	Application of Rule 8A.15	1180
8A.15.4	Recovery of revenue across the current regulatory control period and subsequent regulatory control period	1180
8A.15.5	Recovery of revenue in subsequent regulatory control period only and no reopening of subsequent distribution determination required	1182
8A.15.6	Recovery of revenue in subsequent regulatory control period only and reopening of distribution determination is required	1183
8A.15.7	Requirements for adjustment determination	1185
8A.15.8	Application of Chapter 6 under participant derogation	1185
9.	Jurisdictional Derogations and Transitional Arrangements	1191
9.1	Purpose and Application	1191
9.1.1	Purpose	1191
9.1.2	Jurisdictional Derogations	1191
Part A	Jurisdictional Derogations for Victoria	1191
9.2	[Deleted]	1191

9.3	Definitions.....	1191
9.3.1	General Definitions.....	1191
9.3.2	[Deleted]	1192
9.3A	Fault levels.....	1192
9.4	Transitional Arrangements for Chapter 2 - Registered Participants, Registration and Cross Border Networks	1193
9.4.1	[Deleted]	1193
9.4.2	Smelter Trader	1193
9.4.3	Smelter Trader: compliance.....	1194
9.4.4	Report from AER.....	1196
9.4.5	Cross Border Networks.....	1196
9.5	Transitional Arrangements for Chapter 3 – Reliability and Emergency Reserve Trader	1197
9.5.1	Definition.....	1197
9.5.2	Expiry date.....	1197
9.5.3	Multi-year Victorian contracts – term and volume.....	1197
9.5.4	Multi-year Victorian contracts - reporting.....	1198
9.6	Transitional Arrangements for Chapter 4 - System Security	1199
9.6.1	Operating Procedures (clause 4.10.1)	1199
9.6.2	Nomenclature Standards (clause 4.12)	1199
9.7	Transitional Arrangements for Chapter 5 - Network Connection.....	1199
9.7.1	[Deleted]	1199
9.7.2	[Deleted]	1199
9.7.3	[Deleted]	1199
9.7.4	Regulation of Distribution Network Connection.....	1199
9.7.5	[Deleted]	1200
9.7.6	[Deleted]	1200
9.7.7	[Deleted]	1200
9.8	Transitional Arrangements for Chapter 6 - Network Pricing.....	1200
9.8.1	[Deleted]	1200
9.8.2	[Deleted]	1200
9.8.3	[Deleted]	1200
9.8.4	Transmission Network Pricing	1200
9.8.4A	[Deleted]	1202
9.8.4B	[Deleted]	1202
9.8.4C	[Deleted]	1202
9.8.4D	[Deleted]	1202
9.8.4E	[Deleted]	1202
9.8.4F	[Deleted]	1202
9.8.4G	[Deleted]	1202
9.8.5	[Deleted]	1202
9.8.6	[Deleted]	1202
9.8.7	Distribution network pricing – transitional application of former Chapter 6.....	1202
9.8.8	Exclusion of AER's power to aggregate distribution systems and parts of distribution systems	1203

9.9	Transitional Arrangements for Chapter 7 - Metering	1203
9.9.1	Metering Installations To Which This Schedule Applies	1203
9.9.2	[Deleted]	1204
9.9.3	[Deleted]	1204
9.9.4	[Deleted]	1204
9.9.5	[Deleted]	1204
9.9.6	[Deleted]	1204
9.9.7	[Deleted]	1204
9.9.8	[Deleted]	1204
9.9.9	Periodic Energy Metering (clause 7.9.3)	1204
9.9.10	Use of Alternate Technologies (clause 7.13)	1204
9.9A	[Deleted]	1205
9.9B	[Deleted]	1205
9.9C	[Deleted]	1205
1.	Interpretation of tables	1205
2.	Continuing effect	1205
3.	Subsequent agreement	1206
4.	[Deleted]	1206
5.	Reactive Power Capability (clause S5.2.5.1 of schedule 5.2)	1206
6.	[Deleted]	1207
7.	[Deleted]	1207
8.	[Deleted]	1207
9.	[Deleted]	1207
10.	[Deleted]	1207
11.	[Deleted]	1207
12.	[Deleted]	1207
13.	Governor Systems (load control) (clause S5.2.5.11 of schedule 5.2)	1207
14.	[Deleted]	1207
15.	[Deleted]	1207
16.	Excitation Control System (clause S5.2.5.13 of schedule 5.2)	1207
Part B	Jurisdictional Derogations for New South Wales	1208
9.10	[Deleted]	1208
9.11	Definitions	1208
9.11.1	Definitions used in this Part B	1208
9.12	Transitional Arrangements for Chapter 2 - Generators, Registered Participants, Registration and Cross Border Networks	1209
9.12.1	[Deleted]	1209
9.12.2	Customers	1209
9.12.3	Power Traders	1209
9.12.4	Cross Border Networks	1212
9.13	[Deleted]	1213
9.14	Transitional Arrangements for Chapter 4 - System Security	1213
9.14.1	Power System Operating Procedures	1213
9.15	NSW contestable services for Chapter 5A	1213
9.15.1	Definitions	1213

9.15.2	Chapter 5A not to apply to certain contestable services.....	1213
9.16	Transitional Arrangements for Chapter 6 - Network Pricing.....	1213
9.16.1	NSW contestable services.....	1213
9.16.2	[Deleted]	1213
9.16.3	Jurisdictional Regulator	1213
9.16.4	Deemed Regulated Interconnector.....	1214
9.16.5	[Deleted]	1214
9.17	Transitional Arrangements for Chapter 7 - Metering	1214
9.17.1	Extent of Derogations	1214
9.17.2	Initial Registration (clause 7.1.2).....	1214
9.17.3	Amendments to Schedule 9G1	1214
9.17.4	Compliance with AS/NZ ISO 9002 (clause S7.4.3(f) of schedule 7.4)	1215
9.17A	[Deleted]	1215
9.18	[Deleted]	1215
Part C	Jurisdictional Derogations for the Australian Capital Territory.....	1215
9.19	[Deleted]	1215
9.20	Definitions and Transitional Arrangements for Cross-Border Networks.....	1215
9.20.1	Definitions	1215
9.20.2	Cross Border Networks.....	1215
9.21	[Deleted]	1216
9.22	[Deleted]	1216
9.23	Transitional Arrangements for Chapter 6 - Network Pricing.....	1216
9.23.1	[Deleted]	1216
9.23.2	[Deleted]	1216
9.23.3	[Deleted].....	1216
9.23.4	[Deleted]	1216
9.24	Transitional Arrangements.....	1216
9.24.1	Chapter 7 - Metering.....	1216
9.24.2	[Deleted]	1216
9.24A	[Deleted]	1216
Part D	Jurisdictional Derogations for South Australia	1216
9.25	Definitions.....	1216
9.25.1	[Deleted]	1216
9.25.2	Definitions	1216
9.26	Transitional Arrangements for Chapter 2 - Registered Participants, Registration And Cross Border Networks.....	1219
9.26.1	Registration as a Generator.....	1219
9.26.2	Registration as a Customer	1220
9.26.3	Cross Border Networks.....	1220
9.26.4	[Deleted]	1220
9.26.5	Registration as a Network Service Provider	1220

9.27	[Deleted]	1221
9.28	Transitional Arrangements for Chapter 5 - Network Connection	1221
9.28.1	Application of clause 5.2	1221
9.28.2	[Deleted]	1222
9.29	Transitional Arrangements for Chapter 6 - Economic Regulation of Distribution Services	1222
9.29.1	[Deleted]	1222
9.29.2	[Deleted]	1222
9.29.3	[Deleted]	1222
9.29.4	[Deleted]	1222
9.29.5	Distribution Network Pricing – South Australia	1222
9.29.6	Capital contributions, prepayments and financial guarantees	1223
9.29.7	Ring fencing.....	1223
9.29A	Monitoring and reporting	1223
9.30	Transitional Provisions	1224
9.30.1	Chapter 7 - Metering.....	1224
Part E	Jurisdictional Derogations for Queensland	1224
9.31	[Deleted]	1224
9.32	Definitions and Interpretation	1224
9.32.1	Definitions	1224
9.32.2	Interpretation.....	1227
9.33	Transitional Arrangements for Chapter 1	1227
9.33.1	[Deleted]	1227
9.34	Transitional Arrangements for Chapter 2 - Registered Participants and Registration	1227
9.34.1	Application of the Rules in Queensland (clauses 2.2 and 2.5)	1227
9.34.2	Stanwell Cross Border Leases (clause 2.2).....	1227
9.34.3	[Deleted]	1227
9.34.4	Registration as a Customer (clause 2.3.1)	1227
9.34.5	There is no clause 9.34.5	1228
9.34.6	Exempted generation agreements (clause 2.2)	1228
9.35	[Deleted]	1232
9.36	[Deleted]	1232
9.37	Transitional Arrangements for Chapter 5 - Network Connection	1232
9.37.1	[Deleted]	1232
9.37.2	Existing connection and access agreements (clause 5.2).....	1232
9.37.3	[Deleted]	1233
9.37.4	[Deleted]	1233
9.37.5	Forecasts for connection points to transmission network (clause 5.11.1)	1233
9.37.6	There is no clause 9.37.6	1233
9.37.7	Cross Border Networks.....	1233
9.37.8	[Deleted]	1234

9.37.9	Credible contingency events (clause S5.1.2.1 of schedule 5.1).....	1234
9.37.10	Reactive power capability (clause S5.2.5.1 of schedule 5.2)	1234
9.37.11	[Deleted]	1235
9.37.12	Voltage fluctuations (clause S5.1.5 of schedule 5.1).....	1235
9.37.13	[Deleted]	1237
9.37.14	[Deleted]	1237
9.37.15	[Deleted]	1237
9.37.16	[Deleted]	1237
9.37.17	[Deleted]	1237
9.37.18	[Deleted]	1237
9.37.19	Generating unit response to disturbances (clause S5.2.5.3 of schedule 5.2).....	1237
9.37.20	[Deleted]	1237
9.37.21	Excitation control system (clause S.5.2.5.13 of schedule 5.2)	1237
9.37.22	[Deleted]	1238
9.37.23	Annual forecast information for planning purposes (schedule 5.7).....	1238
9.38	Transitional Arrangements for Chapter 6 - Network Pricing.....	1238
9.38.1	[Deleted]	1238
9.38.2	[Deleted]	1238
9.38.3	[Deleted]	1238
9.38.4	Interconnectors between regions	1238
9.38.5	Transmission pricing for exempted generation agreements	1238
9.39	Transitional Arrangements for Chapter 7 - Metering	1239
9.39.1	Metering installations to which this clause applies	1239
9.39.2	[Deleted]	1240
9.39.3	[Deleted]	1240
9.39.4	[Deleted]	1240
9.39.5	[Deleted]	1240
9.40	Transitional Arrangements for Chapter 8 - Administration Functions	1240
9.40.1	[Deleted]	1240
9.40.2	[Deleted]	1240
9.40.3	[Deleted]	1240
9.41	[Deleted].....	1240
Part F	Jurisdictional Derogations for Tasmania	1241
9.42	Definitions and interpretation	1241
9.42.1	Definitions	1241
9.42.2	Interpretation.....	1242
9.42.3	National grid, power system and related expressions.....	1242
9.43	[Deleted].....	1243
9.44	Transitional arrangements for Chapter 2 – Registered Participants and Registration - Customers (clause 2.3.1(e)).....	1243
9.45	Tasmanian Region (clause 3.5)	1243
9.47	Transitional arrangements for Chapter 5- Network Connection	1243
9.47.1	Existing Connection Agreements	1243

9.48	Transitional arrangements - Transmission and Distribution Pricing.....	1243
9.48.4A	Ring fencing.....	1243
9.48.4B	Uniformity of tariffs for small customers.....	1244
9.48.5	Transmission network.....	1244
9.48.6	Deemed regulated interconnector.....	1244
Part G	Schedules to Chapter 9.....	1244
1.	Introduction.....	1244
2.	[Deleted].....	1244
3.	General Principle.....	1244
4.	[Deleted].....	1245
5.	Accuracy Requirements.....	1245
6.	[Deleted].....	1245
7.	[Deleted].....	1245
8.	[Deleted].....	1245
9.	[Deleted].....	1245
10.	[Deleted].....	1245
10.	Glossary.....	1249
11.	Savings and Transitional Rules.....	1367
Part A	Definitions.....	1367
Part B	System Restart Ancillary Services (2006 amendments).....	1367
11.2	Rules consequent on making of the National Electricity Amendment (System Restart Ancillary Services and pricing under market suspension) Rule 2006.....	1367
11.2.1	Transitional provision for acquisition of non-market ancillary services.....	1367
11.3	[Deleted].....	1368
Part C	Dispute Resolution for Regulatory Test (2006 amendments).....	1368
11.4	Rules consequent on making of the National Electricity Amendment (Dispute Resolution for Regulatory Test) Rule 2006.....	1368
11.4.1	Continuation of things done under old clause 5.6.6.....	1368
Part D	Metrology (2006 amendments).....	1369
11.5	Rules consequential on the making of the National Electricity Amendment (Metrology) Rule 2006.....	1369
11.5.1	Definitions.....	1369
11.5.2	Metrology procedures continues to apply until 31 December 2006.....	1369
11.5.3	Responsible person.....	1369
11.5.4	NEMMCO's responsibility to develop a metrology procedure.....	1369
11.5.5	Jurisdictional metrology material in the metrology procedure.....	1370
Part E	Economic Regulation of Transmission Services (2006 amendments).....	1370

11.6	Rules consequent on making of the National Electricity Amendment (Economic Regulation of Transmission Services)	
	Rule 2006	1370
11.6.1	Definitions	1370
11.6.2	New Chapter 6A does not affect existing revenue determinations.....	1371
11.6.3	Old Part C and Schedules 6.2, 6.3, 6.4, 6.7 and 6.8 of old Chapter 6	1372
11.6.4	Old Part F of Chapter 6.....	1372
11.6.5	Application of new Chapter 6A to Transmission Network Service Providers	1372
11.6.6	Application of Chapter 6 to old distribution matters	1372
11.6.7	References to the old Chapter 6.....	1372
11.6.8	References to provisions of the old Chapter 6.....	1373
11.6.9	Roll forward of regulatory asset base for first regulatory control period.....	1373
11.6.10	Other adjustment carry-over mechanisms from current to first regulatory control period	1373
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	1373
11.6.12	Powerlink transitional provisions	1376
11.6.13	ElectraNet easements transitional provisions	1379
11.6.14	TransGrid contingent projects	1379
11.6.15	Transmission determination includes existing revenue determinations.....	1380
11.6.16	References to regulatory control period.....	1380
11.6.17	Consultation procedure for first proposed guidelines.....	1380
11.6.18	Reliance on proposed guidelines for SP AusNet, VENCORP and ElectraNet	1381
11.6.19	EnergyAustralia transitional provisions	1381
11.6.20	Basslink transitional provisions	1383
11.6.21	SPI Powernet savings and transitional provision.....	1385
11.6.22	Interim arrangements pricing-related information.....	1386
Part F	Reform of Regulatory Test Principles (2006 amendments)	1387
11.7	Rules consequent on making of the National Electricity Amendment (Reform of the Regulatory Test Principles) Rule 2006	1387
11.7.1	Definitions	1387
11.7.2	Amending Rule does not affect old clause 5.6.5A	1387
Part G	Pricing of Prescribed Transmission Services (2006 amendments)	1387
11.8	Rules consequent on making the National Electricity Amendment (Pricing of Prescribed Transmission Services)	
	Rule 2006	1387
11.8.1	Definitions	1387
11.8.2	Regulated interconnectors	1388
11.8.3	Application of new Part J of Chapter 6A to Transmission Network Service Providers	1388

11.8.4	Reliance on agreed interim guideline for ElectraNet, SPAusNet, and VenCorp	1389
11.8.5	Prudent discounts under existing agreements	1389
11.8.6	Application of prudent discounts regime under rule 6A.26	1389
11.8.7	Prudent discounts pending approval of pricing methodology	1389
Part H	Reallocations (2007 amendments)	1390
11.9	Rules consequent on the making of the National Electricity Amendment (Reallocations) Rule 2007	1390
11.9.1	Definitions	1390
11.9.2	Existing and transitional reallocations	1390
Part I	Technical Standards for Wind Generation (2007 amendments)	1391
11.10	Rules consequent on making of the National Electricity Amendment (Technical Standards for Wind Generation and other Generator Connections) Rule 2007	1391
11.10.1	Definitions	1391
11.10.2	Provision of information under S5.2.4 in registration application	1391
11.10.3	Access standards made under the old Chapter 5	1392
11.10.4	Modifications to plant by Generators	1392
11.10.5	Technical Details to Support Application for Connection and Connection Agreement	1392
11.10.6	Transitional arrangements for establishment of performance standards	1392
11.10.7	Jurisdictional Derogations for Queensland	1392
11.10A	Rules consequent on the making of the National Electricity Amendment (Central Dispatch and Integration of Wind and Other Intermittent Generation) Rule 2008	1393
11.10A.1	Definitions	1393
11.10A.2	Registration and reclassification of classified generating units	1394
11.10A.3	Registered generating unit	1394
11.10A.4	Classification of potential semi-scheduled generating unit	1394
11.10A.5	Participant fees	1395
11.10A.6	Timetable	1395
11.10A.7	Procedure for contribution factors for ancillary service transactions	1395
11.10A.8	Guidelines for energy conversion model information	1395
Part J	Cost Recovery of Localised Regulation Services (2007 amendments)	1396
11.11	Rules consequent on making of the National Electricity Amendment (Cost Recovery of Localised Regulation Services) Rule 2007	1396
11.11.1	Definitions	1396
11.11.2	Action taken by NEMMCO for the purposes of Amending Rule	1396
11.12	[Deleted]	1396
Part L	[Deleted]	1396
Part M	Economic Regulation of Distribution Services (2007 amendments)	1396

Division 1	General Provisions.....	1396
11.14	General provisions.....	1396
11.14.1	Application of this Division.....	1396
11.14.2	Definitions	1396
11.14.3	Preservation of old regulatory regime	1397
11.14.4	Transfer of regulatory responsibility	1398
11.14.5	Special requirements with regard to ring fencing.....	1398
11.14.6	Additional requirements with regard to cost allocation.....	1399
11.14.7	Construction of documents	1399
Division 2	[Deleted].....	1400
Division 3	Transitional arrangements for first distribution determination for Queensland Distribution Network Service Providers	1400
11.16	Transitional arrangements for first distribution determination for Queensland Distribution Network Service Providers	1400
11.16.1	Definitions	1400
11.16.2	Application of Part to Queensland 2010 distribution determinations	1400
11.16.3	Treatment of the regulatory asset base	1400
11.16.4	Efficiency Benefit Sharing Scheme	1401
11.16.5	Service Target Performance Incentive Scheme	1401
11.16.6	Framework and approach	1401
11.16.7	Regulatory Proposal.....	1401
11.16.8	Side constraints	1402
11.16.9	Cost pass throughs	1402
11.16.10	Capital Contributions Policy.....	1402
Division 4	Transitional provisions of specific application to Victoria	1403
11.17	Transitional provisions of specific application to Victoria	1403
11.17.1	Definitions	1403
11.17.2	Calculation of estimated cost of corporate income tax.....	1403
11.17.3	Decisions made in the absence of a statement of regulatory intent	1403
11.17.4	Cost allocation guidelines.....	1404
11.17.5	Modification of requirements related to cost allocation method	1404
11.17.6	AMI Order in Council	1405
Part N	Registration of Foreign Based Persons and Corporations as Trader Class Participants (2007 amendments).....	1405
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	1405
11.18.1	Definitions	1405
11.18.2	Auction rules.....	1405
Part O	Process for Region Change (2007 amendments).....	1406
11.19	Rules consequent on making of the National Electricity Amendment (Process for Region Change) Rule 2007	1406
11.19.1	Definitions	1406
11.19.2	Regions Publication	1406
Part P	Integration of NEM Metrology Requirements.....	1406

11.20	Rules consequential on the making of the National Electricity Amendment (Integration of NEM Metrology Requirements) Rule 2008	1406
11.20.1	Definitions	1406
11.20.2	Metering installations for non-market generating units immediately prior to 30 June 2008	1406
11.20.3	First-tier load metering installations	1407
11.20.4	First-tier load metering installations in Victoria	1407
11.20.5	Minimalist Transitioning Approach in Queensland	1407
11.20.6	First-tier jurisdictional requirements publication	1408
11.20.7	Metrology procedure	1408
Part PA	Reliability Settings: Information Safety Net and Directions	1408
11.21	Rules consequential on the making of the National Electricity Amendment (NEM Reliability Settings: Information Safety Net and Directions) Rule 2008	1408
11.21.1	Definitions	1408
11.21.2	EAAP guidelines	1408
11.21.3	[Deleted]	1408
11.21.4	[Deleted]	1408
11.21.5	Timetable	1408
11.21.6	Power system security and reliability standards	1409
11.21.7	Report on statement of opportunities	1409
11.21.8	Methodology for dispatch prices and ancillary services prices	1409
Part Q	Regulatory Test Thresholds and Information Disclosure on Network Replacements	1409
11.22	Rules consequential on the making of the National Electricity Amendment (Regulatory Test Thresholds and Information Disclosure on Network Replacements) Rule 2008	1409
11.22.1	Definitions	1409
11.22.2	Amending Rule does not affect existing regulatory test	1410
Part R	Performance Standard Compliance of Generators	1410
11.23	Rules consequential on the making of the National Electricity Amendment (Performance Standards Compliance of Generators) Rule 2008	1410
11.23.1	Definitions	1410
11.23.2	Application of rule 11.23 for compliance programs implemented immediately after the commencement of the Amending Rule	1410
11.23.3	Application of rule 11.23 for compliance programs implemented immediately prior to the commencement of the Amending Rule	1410
11.23.4	Application of rule 11.23 for compliance programs not implemented immediately prior to the commencement of the Amending Rule	1411
Part S	[Deleted]	1411
Part U	Confidentiality Arrangements concerning Information required for Power System Studies	1411

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	1411
11.25.1	Definitions	1411
11.25.2	Transitional arrangements for the provision of information.....	1411
Part V	WACC Reviews: Extension of Time	1413
11.26	Rule consequential on the making of the National Electricity Amendment (WACC Reviews: Extension of Time) Rule 2009	1413
11.26.1	Definitions	1413
11.26.2	Extension of time to submit a regulatory proposal for the regulatory control period 2010-2015	1413
Part W	National Transmission Statement	1413
11.27	Rules consequent on the making of the National Electricity Amendment (National Transmission Statement) Rule 2009	1413
11.27.1	Definitions	1413
11.27.2	Purpose	1413
11.27.3	Application of rule 11.27	1414
11.27.4	National Transmission Statement	1414
11.27.5	Scope and Content of National Transmission Network Development Plan.....	1415
11.27.6	Energy Adequacy Assessment Projection	1416
11.27.7	Amendment to Last Resort Power	1416
11.27.8	Actions taken prior to commencement of Rule	1416
Part X	National Transmission Planning	1416
11.28	Rules consequential on the making of the <i>National Electricity (Australian Energy Market Operator) Amendment Rules 2009</i>	1416
11.28.1	Definitions	1416
11.28.2	Jurisdictional planning bodies and representatives.....	1416
11.28.3	Criteria and guidelines published by Inter-regional Planning Committee.....	1417
11.28.4	Augmentation technical reports	1417
11.28.5	Last Resort Planning Power.....	1417
11.28.6	Inter-network power system tests	1417
11.28.7	Control and protection settings for equipment	1418
11.28.8	Revenue Proposals.....	1418
Part Y	Regulatory Investment Test for Transmission.....	1418
11.29	Rules consequent on making of the National Electricity Amendment (Regulatory Investment Test for Transmission) Rule 2009	1418
11.29.1	Definitions	1418
11.29.2	Period when Amending Rule applies to transmission investment.....	1419
Part Z	Congestion Information Resource.....	1419
11.30	Rules consequent on the making of the National Electricity Amendment (Congestion Information Resource) Rule 2009.....	1419
11.30.1	Definitions	1419
11.30.2	Interim congestion Information resource.....	1420

Part ZA	Reliability and emergency reserve trader (2009 amendments).....	1422
11.31	Rules consequent on the making of the National Electricity Amendment (Improved RERT Flexibility and Short-notice Reserve Contracts) Rule 2009.....	1422
11.31.1	Definitions	1422
11.31.2	Purpose	1422
11.31.3	Amendments to Reliability Panel's RERT Guidelines	1422
11.31.4	Amendments to AEMO's RERT procedures for exercising the RERT	1423
Part ZB	Early Application of Market Impact Parameters.....	1423
11.32	Rules consequent on the making of the National Electricity Amendment (Early Implementation of Market Impact Parameters) Rule 2010	1423
11.32.1	Definitions	1423
11.32.2	Purpose	1424
11.32.3	Early application of the market impact component of the service target performance incentive scheme	1424
Part ZC	Transparency of operating data	1427
11.33	Rules consequential on the making of National Electricity Amendment (Transparency of Operating Data) Rule 2010	1427
11.33.1	Definitions	1427
11.33.2	Spot market operations timetable	1427
Part ZD	Cost Recovery for Other Services Directions.....	1429
11.34	Rules consequent on making of the National Electricity Amendment (Cost Recovery for Other Services Directions) Rule 2010	1429
11.34.1	Definitions	1429
11.34.2	Period when Amending Rules applies to funding of compensation.....	1429
Part ZE	Payments under Feed-in Schemes and Climate Change Funds	1429
11.35	Rules consequential on the making of the National Electricity Amendment (Payments under Feed-in Schemes and Climate Change Funds) Rule 2010	1429
11.35.1	Definitions	1429
11.35.2	Application of recovery of jurisdictional scheme Rules.....	1430
11.35.3	Reporting on jurisdictional schemes.....	1431
11.35.4	Revocation and substitution of distribution determination for jurisdictional scheme recovery	1432
Part ZF	Transitional Arrangements for Ministerial Smart Meter Roll Out Determinations	1433
11.36	Ministerial Smart Meter Roll Out Determinations	1433
11.36.1	Definitions	1433
11.36.2	Meaning of relevant metering installation	1433
11.36.3	Period of application of rule to relevant metering installation	1433
11.36.4	Designation of responsible person.....	1434
11.36.5	[Deleted]	1434

11.36.6	[Deleted]	1434
Part ZG	Provision of Metering Data Services and Clarification of Existing Metrology Requirements.....	1434
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	1434
11.37.1	Definitions	1434
11.37.2	Commencement of special site or technology related conditions.....	1434
11.37.3	Initial service level procedures	1434
Part ZH	Spot Market Operations Timetable	1435
11.38	Rules consequential on the making of National Electricity Amendment (Amendments to PASA-related Rules) Rule 2010	1435
11.38.1	Definitions	1435
11.38.2	Spot market operations timetable	1435
Part ZI	DNSP Recovery of Transmission-related Charges.....	1436
11.39	Rules consequential on the making of the National Electricity Amendment (DNSP Recovery of Transmission-related Charges) Rule 2011	1436
11.39.1	Definitions	1436
11.39.2	Recovery by Victorian distribution network service providers during current regulatory control period.....	1437
11.39.3	Recovery by Victorian distribution network service providers for shared network augmentations	1437
11.39.4	Bairnsdale network support agreement	1437
11.39.5	Approval of pricing proposal.....	1437
11.39.6	Ergon Energy transitional charges.....	1438
11.39.7	Energex transitional charges.....	1438
Part ZJ	Network Support and Control Ancillary Services.....	1438
11.40	Rules consequential on the making of the National Electricity Amendment (Network Support and Control Ancillary Services) Rule 2011	1438
11.40.1	Definitions	1438
11.40.2	Purpose	1438
11.40.3	Existing NCAS contracts to continue	1438
11.40.4	Amendments to existing guidelines.....	1439
11.40.5	New procedures	1439
11.40.6	Decisions and actions taken prior to Amending Rule	1439
Part ZK	Application of Dual Marginal Loss Factors	1439
11.41	Rules consequential on the making of the National Electricity Amendment (Application of Dual Marginal Loss Factors) Rule 2011	1439
11.41.1	Definitions	1439
11.41.2	Amendments to loss factor methodology	1440
11.41.3	Procedure applying dual intra-regional loss factors in central dispatch and spot market transactions	1440
11.41.4	Publication of intra-regional loss factors.....	1440

Part ZL	Tasmania Tranche 5a Procedure Changes.....	1440
11.42	Rules consequential on the making of the National Electricity Amendment (Tasmania Tranche 5a Procedure Changes) Rule 2011	1440
11.42.1	Definitions	1440
11.42.2	AEMO may amend Relevant Procedures	1441
Part ZM	Application and Operation of Administered Price Periods	1441
11.43	Rules consequential on the making of National Electricity Amendment (Application and Operation of Administered Price Periods) Rule 2011	1441
11.43.1	Definitions	1441
11.43.2	Administered Price Cap Schedule	1441
Part ZO	Negative Intra-regional Settlements Residue.....	1442
11.45	Rules consequential on the making of National Electricity Amendment (Negative Intra-regional Settlements Residue) Rule 2012	1442
11.45.1	Definitions	1442
11.45.2	Recovery of negative settlements residue prior to consultation under the Amending Rule	1442
11.45.3	First consultation on negative intra-regional settlements residue procedure	1443
Part ZP	Interim Connection Charging Rules	1443
11.46	Rules consequential to the insertion of Chapter 5A by the National Electricity (National Energy Retail Law) Amendment Rule 2012	1443
11.46.1	Definitions	1443
11.46.2	Extended meaning of some terms	1445
11.46.3	Transitional operation of relevant provisions	1445
11.46.4	Exclusions, qualifications and modifications for ACT.....	1446
11.46.5	Exclusions, qualifications and modifications for NSW	1447
11.46.6	Exclusions, qualifications and modifications for Queensland.....	1448
11.46.7	Exclusions, qualifications and modifications for SA	1449
11.46.8	Exclusions, qualifications and modifications for Tasmania	1450
11.46.9	Exclusions, qualifications and modifications for Victoria.....	1451
11.46.10	Connection charges.....	1452
11.46.11	References.....	1452
Part ZQ	NSW transitional retail support and credit support rules.....	1453
11.47	Rules consequential on the insertion of Chapter 6B by the National Electricity (National Energy Retail Law) Amendment Rule 2012	1453
11.47.1	Definitions	1453
11.47.2	Application	1455
11.47.3	Obligation to pay	1455
11.47.4	Charging and billing	1455
11.47.5	Interest on unpaid amounts	1455
11.47.6	Circumstances where NSW DNSP may request credit support	1456

11.47.7	Credit support	1456
11.47.8	Credit support providers	1456
11.47.9	NSW DNSP to determine required credit support amount.....	1457
11.47.10	NSW Retailer to ensure credit support available.....	1457
11.47.11	Drawing on credit support	1457
11.47.12	Specific transitional arrangements.....	1458
Part ZR	Miscellaneous transitional rules—NERL	1458
11.48	Rules consequential on the making of the National Electricity (National Energy Retail Law) Amendment Rule 2012.....	1458
11.48.1	Extension of time period for AER to consider certain pass through applications	1458
Part ZS	Cost pass through arrangements for Network Service Providers.....	1458
11.49	Rules consequential on the making of National Electricity Amendment (Cost pass through arrangements for Network Service Providers) Rule 2012	1458
11.49.1	Definitions	1458
11.49.2	Terrorism event is a cost pass through event in the current regulatory control period	1459
11.49.3	Transitional arrangement for Powerlink	1459
11.49.4	Transitional arrangements for ElectraNet and Murraylink.....	1460
Part ZT	Distribution Network Planning and Expansion.....	1460
11.50	Rules consequential on the making of the National Electricity Amendment (Distribution Network Planning and Expansion) Rule 2012	1460
11.50.1	[Deleted]	1460
11.50.2	Definitions	1460
11.50.3	Timing for first Distribution Annual Planning Report	1461
11.50.4	Contents of Distribution Annual Planning Report.....	1461
11.50.5	Transition from the regulatory test to the regulatory investment test for distribution	1462
Part ZU	New Prudential Standard and Framework in the NEM.....	1463
11.51	Rules consequential on the making of the National Electricity Amendment (New Prudential Standard and Framework in the NEM) Rule 2012.....	1463
11.51.1	Definitions	1463
11.51.2	AEMO's responsibility to develop and publish the credit limit procedures	1463
11.51.3	Transition to the framework for determining prudential settings	1463
11.51.4	Prior consultation, step, decision or action taken by AEMO	1463
Part ZV	Small Generation Aggregator Framework	1464
11.52	Rules consequential on the making of the National Electricity Amendment (Small Generation Aggregator Framework) Rule 2012	1464
11.52.1	Definitions	1464

11.52.2	Commencement of participant fees as well as transactions, funding and settlements under Chapter 3 for Market Small Generation Aggregators.....	1465
11.52.3	Participant fees for Market Small Generation Aggregators.....	1465
11.52.4	Ancillary service transactions, funding of compensation for directions and intervention settlements for directions for Market Small Generation Aggregators	1465
11.52.5	Amendments to the carbon dioxide equivalent intensity index procedures.....	1466
11.52.6	Amendments of the metrology procedures.....	1466
11.52.7	Amendments to the Market Settlement and Transfer Solution Procedures.....	1467
Part ZW	Economic Regulation of Network Service Providers (2012 amendments)	1467
Division 1	Miscellaneous transitional provisions	1467
11.53	Publication of Chapter 6 Guidelines	1467
11.53.1	Shared Asset Guidelines	1467
11.53.2	Capital Expenditure Incentive Guidelines	1467
11.53.3	Rate of Return Guidelines	1468
11.53.4	Expenditure Forecast Assessment Guidelines	1468
11.53.5	Distribution Confidentiality Guidelines	1468
11.53.6	Consultation procedure paper	1468
11.54	Publication of Chapter 6A Guidelines	1469
11.54.1	Shared Asset Guidelines	1469
11.54.2	Capital Expenditure Incentive Guidelines	1469
11.54.3	Rate of Return Guidelines	1469
11.54.4	Expenditure Forecast Assessment Guidelines	1469
11.54.5	Transmission Confidentiality Guidelines	1470
11.54.6	Consultation paper procedure	1470
Division 2	Transitional provisions for NSW/ACT Distribution Network Service Providers	1470
11.55	General provisions	1470
11.55.1	Definitions	1470
11.55.2	Transitional Chapter 6	1471
11.55.3	Application of rule 11.56.....	1472
11.56	Special provisions applying to affected DNSPs.....	1473
11.56.1	Requirement to make distribution determination	1473
11.56.2	Transitional regulatory proposal.....	1473
11.56.3	Distribution determination for a transitional regulatory control period	1474
11.56.4	Subsequent regulatory control period.....	1478
11.56.5	Review of past capital expenditure.....	1483
Division 3	Transitional provisions for NSW and Tasmanian Transmission Network Service Providers and Directlink.....	1484
11.57	General provisions	1484
11.57.1	Definitions	1484

11.57.2	Transitional Chapter 6A	1485
11.57.3	Application of rule 11.58	1486
11.58	Special provisions applying to affected TNSPs	1486
11.58.1	Requirement to make transmission determination	1486
11.58.2	Requirement to submit a transitional Revenue Proposal	1487
11.58.3	Transmission determination for a transitional regulatory control period	1488
11.58.4	Subsequent regulatory control period	1490
11.58.5	Review of past capital expenditure	1495
Division 4	Transitional provisions for the Victorian TNSP	1495
11.59	Special provisions applying to the Victorian TNSP	1495
11.59.1	Definitions	1495
11.59.2	Application of rule 11.59	1496
11.59.3	Former Chapter 6A/10 applies	1496
11.59.4	Review of past capital expenditure	1496
Division 5	Transitional provisions for Qld/SA and Victorian Distribution Network Service Providers	1497
11.60	Special provisions applying to the Qld/SA and Victorian Distribution Network Service Providers	1497
11.60.1	Definitions	1497
11.60.2	Application of rule 11.60	1498
11.60.3	Distribution determination for next regulatory control period	1498
11.60.4	Re-opening of distribution determination for next regulatory control period	1500
11.60.5	Review of past capital expenditure	1502
Division 6	Review of past capital expenditure	1502
11.61	Definitions and application	1502
11.62	Review of past capital expenditure under Chapter 6	1503
11.63	Review of past capital expenditure under Chapter 6A	1503
Part ZX	Inter-regional Transmission Charging	1504
11.64	Rules consequent on the making of the National Electricity Amendment (Inter-regional Transmission Charging) Rule 2013	1504
11.64.1	Definitions	1504
11.64.2	Amendments to the pricing methodology guidelines	1504
11.64.3	Amendments to the pricing methodologies of Transmission Network Service Providers	1504
11.64.4	Commencement of clause 6A.23.3(f) for further adjustments	1505
Part ZY	Network Service Provider Expenditure Objectives	1505
11.65	Rules consequent on the making of the National Electricity Amendment (Network Service Provider Expenditure Objectives) Rule 2013	1505
11.65.1	Definitions	1505
11.65.2	Application of rule 11.65	1505
Part ZZ	Access to NMI Standing Data	1506

11.66	Rules consequent on the making of the National Electricity Amendment (Access to NMI Standing Data) Rule 2013	1506
11.66.1	Definitions	1506
11.66.2	Minor amendment of the Market Settlement and Transfer Solution Procedures.....	1506
Part ZZA	Publication of Zone Substation Data	1507
11.67	Rules consequent on the making of the National Electricity Amendment (Publication of Zone Substation Data) Rule 2014.....	1507
11.67.1	Definitions	1507
11.67.2	Distribution Network Service Providers' obligations to commence on the next DAPR date	1507
Part ZZB	Connecting Embedded Generators	1507
11.68	Rules consequential on the making of the National Electricity Amendment (Connecting embedded generators) Rule 2014	1507
11.68.1	Definitions	1507
11.68.2	Continuation of enquiries lodged.....	1507
Part ZZC	Customer access to information about their energy consumption	1508
11.69	Rules consequential on the making of the National Electricity Amendment (Customer access to information about their energy consumption) Rule 2014	1508
11.69.1	Definitions	1508
11.69.2	AEMO to develop and publish the metering data provision procedure	1508
Part ZZD	National Electricity Amendment (Distribution Network Pricing Arrangements) Rule 2014	1508
Division 1	Miscellaneous transitional provisions	1508
11.70	General provisions	1508
11.70.1	Definitions	1508
11.70.2	Application of Part ZZB	1509
11.71	Special provisions applying to SA TNSP	1509
Division 2	Transitional provisions for NSW/ACT and Qld/SA Distribution Network Service Providers	1510
11.72	General provisions	1510
11.72.1	Definitions	1510
11.73	Special provisions applying to affected DNSPs.....	1510
11.73.1	Distribution determination and pricing proposals	1510
11.73.2	Tariff structure statement.....	1511
11.73.3	Dispute resolution.....	1517
Division 3	Transitional provisions for Tasmanian Distribution Network Service Provider.....	1517
11.74	Application of former Chapter 6.....	1517

Division 4	Transitional provisions for Victorian Distribution Network Service Providers	1517
11.75	General provisions	1517
11.75.1	Definitions	1517
11.76	Special provisions applying to affected DNSPs	1517
11.76.1	Distribution determination and pricing proposals	1517
11.76.2	Tariff structure statement	1518
11.76.3	Dispute resolution	1524
Part ZZE	Early Application of Network Capability Component (STPIS)	1524
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	1524
11.77.1	Definitions	1524
11.77.2	Purpose	1524
11.77.3	Earlier application of the network capability component of the service target performance incentive scheme	1525
Part ZZF	National Electricity Amendment (Governance arrangements and implementation of the reliability standard and settings) Rule 2015	1527
11.78	Rules consequent on the making of the National Electricity Amendment (Governance arrangements and implementation of the reliability standards and settings) Rule 2015	1527
11.78.1	Definitions	1527
11.78.2	Existing power system security and reliability standards	1527
11.78.3	Reliability standard and settings guidelines	1528
11.78.4	Reliability standard implementation guidelines	1528
Part ZZG	Improving demand side participation information provided to AEMO by registered participants	1530
11.79	Rules consequential on making of the National Electricity Amendment (Improving demand side participation information provided to AEMO by registered participants) Rule 2015	1530
11.79.1	AEMO to develop and publish the demand side participation information guidelines	1530
Part ZZH	Transitional Arrangements for Aligning TasNetworks' regulatory control periods	1531
11.80	National Electricity Amendment (Aligning TasNetworks' regulatory control periods) Rule 2015	1531
11.80.1	Definitions	1531
11.80.2	Application of rule 11.80	1531
11.80.3	Next regulatory control period	1531
11.80.4	Subsequent regulatory control period	1531
Part ZZI	System Restart Ancillary Services	1532

11.81	Rules consequential on the making of the National Electricity Amendment (System Restart Ancillary Services) Rule 2015.....	1532
11.81.1	Definitions	1532
11.81.2	System restart standard	1532
11.81.3	SRAS Guideline.....	1532
11.81.4	Regional Benefit Ancillary Services Procedures.....	1532
11.81.5	Consultation prior to the Commencement Date	1532
11.81.6	Existing SRAS Contract	1532
Part ZZJ	Demand management incentive scheme	1533
11.82	Rules consequential on making of the National Electricity Amendment (Demand management incentive scheme) Rule 2015	1533
11.82.1	Definitions	1533
11.82.2	AER to develop and publish the demand management incentive scheme and demand management innovation allowance mechanism	1533
Part ZZK	AEMO access to demand forecasting information	1533
11.83	Rules consequential on the making of the National Electricity Amendment (AEMO access to demand forecasting information) Rule 2015.....	1533
11.83.1	AEMO to include supporting information in NTNDP database	1533
Part ZZL	Compensation arrangements following application of an Administered Price Cap or Administered Floor Price.....	1534
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.....	1534
11.84.1	Definitions	1534
11.84.2	Compensation Guidelines	1534
Part ZZM	Common definitions of distribution reliability measures	1534
11.85	Rules consequential on the making of the National Electricity Amendment (Common definitions of distribution reliability measures) Rule 2015	1534
11.85.1	Definitions	1534
11.85.2	Distribution reliability measures guidelines	1534
11.85.3	Amended STPIS	1534
Part ZZN	Expanding competition in metering and metering related services	1535
11.86	Rules consequent on making of the National Electricity Amendment (Expanding competition in metering and related services) Rule 2015.....	1535
11.86.1	Definitions	1535
11.86.2	References to old Chapter 7	1535
11.86.3	References to provisions of the old Chapter 7	1535
11.86.4	References to responsible person.....	1535
11.86.5	Continued operation of old Rules until the effective date	1535
11.86.6	New and amended procedures	1536

11.86.7	Metering Coordinator for type 5 or 6 metering installation from effective date.....	1537
11.86.8	Distribution Ring Fencing Guidelines	1539
11.86.9	[Deleted]	1539
Part ZZO	Embedded Networks	1539
11.87	Rules consequential on the making of the National Electricity Amendment (Embedded Networks) Rule 2015.....	1539
11.87.1	Definitions	1539
11.87.2	Amended Procedures and NMI Standing Data Schedule	1540
11.87.3	ENM service level procedures and guide to embedded networks and list of Embedded Network Managers	1540
11.87.4	Exemptions under section 13 of the National Electricity Law	1540
Part ZZP	Meter Replacement Processes.....	1541
11.88	Rules consequential on the making of the National Electricity Amendment (Meter Replacement Processes) Rule 2016.....	1541
11.88.1	Definitions	1541
11.88.2	Amended Procedures	1541
Part ZZQ	Energy Adequacy Assessment Projection	1541
11.89	Rules consequential to the National Electricity Amendment (Energy Adequacy Assessment Projection timeframes) Rule 2016	1541
11.89.1	Amended guideline and timetable	1541
Part ZZR	Reliability and emergency reserve trader (2016 amendments).....	1542
11.90	Rules consequent on the making of the National Electricity Amendment (Extension of the Reliability and Emergency Reserve Trader) Rule 2016	1542
11.90.1	Definitions	1542
11.90.2	Amendments to Reliability Panel's RERT Guidelines	1542
11.90.3	Amendments to AEMO's RERT procedures	1542
11.90.4	Reserve contracts entered into before Schedule 2 commencement date.....	1542
Part ZZS	Updating the electricity B2B framework.....	1542
11.91	Rules consequential on the making of the National Electricity Amendment (Updating the electricity B2B framework) rule 2016	1542
11.91.1	Definitions	1542
11.91.2	B2B Procedures	1543
11.91.3	Information Exchange Committee Election Procedures and Information Exchange Committee Operating Manual.....	1543
11.91.4	The New IEC	1544
11.91.5	Amended Procedures	1545
11.91.6	B2B e-Hub Participant accreditation process	1546
11.91.7	New IEC Budget and 2016 Annual Report	1546
11.91.8	Cost recovery	1546
Part ZZT	Application of Offsets in the Prudential Margin Calculation	1547

11.92	Rules consequential on the making of the National Electricity Amendment (Application of Offsets in the Prudential Margin Calculation) Rule 2016	1547
11.92.1	Definitions	1547
11.92.2	Amended procedures	1547
Part ZZU	Rate of Return Guidelines Review	1547
11.93	Rules consequential on the making of the National Electricity Amendment (Rate of Return Guidelines Review) Rule 2016	1547
11.93.1	Definitions	1547
11.93.2	Application of current rate of return guidelines to making of a distribution determination for the subsequent regulatory control period	1549
Part ZZV	Demand Response Mechanism and Ancillary Services Unbundling.....	1549
11.94	Rules consequential on the making of the National Electricity Amendment (Demand Response Management and Ancillary Services Unbundling) rule 2016.....	1549
11.94.1	Definitions	1549
11.94.2	Participant fees for Market Ancillary Service Providers	1549
Part ZZW	Local Generation Network Credits	1549
11.95	Rules consequential on the making of the National Electricity Amendment (Local Generation Network Credits) Rule 2016	1549
11.95.1	Definitions	1549
11.95.2	System limitation template	1550
Part ZZX	Retailer-Distributor Credit Support Requirements.....	1550
11.96	Rules consequent on the making of the National Electricity Amendment (Retailer Distributor Credit Support Requirements) Rule 2017 No. 1	1550
11.96.1	Definitions	1550
11.96.2	Continued operation of old Chapter 6B	1550
11.96.3	Interaction with Chapter 6	1550
11.96.4	Application of new Chapter 6B	1550
Part ZZY	Emergency Frequency Control Schemes.....	1551
11.97	Rules consequent on the making of the National Electricity Amendment (Emergency frequency control schemes) Rule 2017	1551
11.97.1	Definitions	1551
11.97.2	Interim frequency operating standards for protected events.....	1551
11.97.3	First power system frequency risk review	1552
11.97.4	AEMO must review existing load shedding procedures	1552
11.97.5	Load shedding procedures	1552
Part ZZZ	Transmission Connection and Planning Arrangements	1553
11.98	Rules consequential on the making of the National Electricity Amendment (Transmission Connection and Planning Arrangements) Rule 2017	1553
11.98.1	Definitions	1553

11.98.2	Grandfathering of existing dedicated connection assets.....	1554
11.98.3	Preparatory steps for registration changes under the Amending Rule.....	1554
11.98.4	Participant fees for Dedicated Connection Asset Service Providers	1555
11.98.5	Existing Connection Agreements	1555
11.98.6	Connection process	1555
11.98.7	Transmission Annual Planning Report.....	1556
11.98.8	Preservation for adoptive jurisdictions	1556
Part ZZZA	Replacement expenditure planning arrangements.....	1556
11.99	Rules consequential on the making of the National Electricity Amendment (Replacement expenditure planning arrangements) Rule 2017	1556
11.99.1	Definitions	1556
11.99.3	Transitional arrangements for affected DNSPs	1557
11.99.4	Amendments to RIT documentation.....	1558
11.99.5	Transitional arrangements relating to excluded projects	1558
11.99.6	Transitional arrangements relating to Victorian bushfire mitigation projects.....	1558
11.99.7	Transitional arrangements relating to review of costs thresholds.....	1559
Part ZZZB	Managing the rate of change of power system frequency.....	1559
11.100	Rules consequential on the making of the National Electricity Amendment (Managing the rate of change of power system frequency) Rule 2017.....	1559
11.100.1	Definitions	1559
11.100.2	Inertia sub-networks	1560
11.100.3	Inertia requirements methodology	1560
11.100.4	Inertia requirements	1560
11.100.5	NSCAS not to be used to meet an inertia shortfall after 1 July 2019	1561
11.100.6	Inertia network services may be used to meet an NSCAS gap declared in the NSCAS transition period.....	1561
11.100.7	Inertia network services made available before the commencement date.....	1562
Part ZZZC	Managing power system fault levels	1562
11.101	Rules consequential on the making of the National Electricity Amendment (Managing power system fault levels) Rule 2017.....	1562
11.101.1	Definitions	1562
11.101.2	System strength impact assessment guidelines.....	1563
11.101.3	System strength requirements methodology.....	1564
11.101.4	System strength requirements.....	1564
11.101.5	NSCAS not to be used to meet a fault level shortfall after 1 July 2019	1565
11.101.6	System strength services may be used to meet an NSCAS gap declared in the NSCAS transition period.....	1565
11.101.7	Withdrawal of a system strength-related NSCAS gap already declared.....	1566
11.101.8	System strength services made available before the commencement date.....	1566

Part ZZZD	Generating System Model Guidelines.....	1566
11.102	Making of Power System Model Guidelines	1566
Part ZZZE	Five Minute Settlement	1566
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	1566
11.103.1	Definitions	1566
11.103.2	Amendments to procedures	1567
11.103.3.	Exemption for certain metering installations.....	1568
11.103.4	New or replacement meters	1568
11.103.5	Metering installations exempt from metering data provision requirements	1569
11.103.6	Exemption from meter data storage requirements.....	1569
11.103.7	Default offers and bids submitted prior to the commencement date	1569
Part ZZZF	Contestability of energy services	1569
11.104	Rules consequential on the making of the National Electricity Amendment (Contestability of energy services) Rule 2017	1569
11.104.1	Definitions	1569
11.104.2	New guidelines	1571
11.104.3	Transitional arrangements for application of Distribution Service Classification Guidelines and service classification provisions	1571
11.104.4	Transitional arrangements for application of Asset Exemption Guidelines, exemption applications and asset exemption decisions.....	1571
11.104.5	Transitional arrangements for adjustment in value of regulatory asset base	1573
Part ZZZG	Declaration of lack of reserve conditions.....	1573
11.105	Making of lack of reserve declaration guidelines	1573
11.105.1	Definitions	1573
11.105.2	Making of lack of reserve declaration guidelines.....	1573
Part ZZZH	Implementation of demand management incentive scheme	1573
11.106	Implementation of demand management incentive scheme	1573
11.106.1	Definitions	1573
11.106.2	Purpose	1574
11.106.3	Early application of revised demand management incentive scheme	1574
Part ZZZI	Reinstatement of long notice Reliability and Emergency Reserve Trader.....	1575
11.107	Rules consequential on the making of the National Electricity Amendment (Reinstatement of long notice Reliability and Emergency Reserve Trader) Rule 2018.....	1575
11.107.1	Definitions	1575
11.107.2	New RERT guidelines	1576
11.107.3	Amendments to RERT procedures	1579
11.107.4	Reserve contracts entered into before the commencement date	1579
Part ZZZJ	Register of distributed energy resources	1579

11.108	Rules consequential on the making of the National Electricity Amendment (Register of distributed energy resources) Rule 2018	1579
11.108.1	Definitions	1579
11.108.2	AEMO to develop and publish DER register information guidelines	1580
11.108.3	NSPs to provide AEMO with existing DER generation information	1580
Part ZZZK	Generator technical performance standards	1580
11.109	Rules consequential on the making of the National Electricity Amendment (Generator technical performance standards) Rule 2018	1580
11.109.1	Definitions	1580
11.109.2	Application of the Amending Rule to existing connection enquiries	1581
11.109.3	Application of the Amending Rule to existing applications to connect	1582
11.109.4	Application of the Amending Rule to existing offers to connect	1584
11.109.5	Application of the Amending Rule to Existing Connection Agreements	1584
Part ZZZL	Generator three year notice of closure	1585
11.110	Rules consequential on the making of the National Electricity Amendment (Generator three year notice of closure) Rule 2018.....	1585
11.110.1	Definitions	1585
11.110.2	AER to develop and publish notice of closure exemption guideline	1585
11.110.3	Application of Amending Rule to AEMO	1585
11.110.4	Application of Amending Rule to Generators	1585
Part ZZZM	Participant compensation following market suspension	1586
11.111	Rules consequential on the making of the National Electricity Amendment (Participant compensation following market suspension) Rule 2018.....	1586
11.111.1	Definitions	1586
11.111.2	Market suspension compensation methodology and schedule of benchmark values	1586
Part ZZZN	Global settlement and market reconciliation	1586
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	1586
11.112.1	Definitions	1586
11.112.2	Amendments to AEMO procedures	1587
11.112.3	AEMO to publish report on unaccounted for energy trends	1587
11.112.4	Continuation of registration for non-market generators	1587
11.112.5	Publication of UFE data by AEMO	1588
11.112.6	Publication of UFE reporting guidelines	1588
Part ZZZO	Metering installation timeframes	1588
11.113	Rules consequential on making of the National Electricity Amendment (Metering installation timeframes) Rule 2018	1588
11.113.1	Definitions	1588

11.113.2	Timeframes for meters to be installed	1588
Part ZZZP	Early implementation of ISP priority projects	1589
11.114	National Electricity Amendment (Early implementation of ISP priority projects) Rule 2019	1589
11.114.1	Definitions	1589
11.114.2	Modifications to clause 5.16.6 for ISP VNI and QNI projects.....	1590
11.114.3	Modifications to clause 6A.8.2 for ISP projects.....	1591
Part ZZZQ	Enhancement to the Reliability and Emergency Reserve Trader	1593
11.115	Rules consequential on the making of the National Electricity Amendment (Enhancement to the reliability and emergency reserve trader) Rule 2019	1593
11.115.1	Definitions	1593
11.115.2	New RERT guidelines	1594
11.115.3	Amendments to RERT procedures	1594
11.115.4	Reserve contracts entered into before the commencement date	1594
11.115.5	Clause 3.20.6 (Reporting on RERT by AEMO).....	1594
Part ZZZR	Retailer Reliability Obligation.....	1594
11.116	Rules consequential on the making of the National Electricity Amendment (Retailer Reliability Obligation) Rule 2019.....	1594
11.116.1	Application	1594
11.116.2	Reliability Instrument Guidelines	1595
11.116.3	Forecasting Best Practice Guidelines	1595
11.116.4	Reliability Forecast Guidelines.....	1595
11.116.5	AER Opt-in Guidelines.....	1596
11.116.6	Contracts and Firmness Guidelines	1596
11.116.7	Qualifying contracts under interim Contracts and Firmness Guidelines	1596
11.116.8	Grandfathering arrangements	1597
11.116.9	Reliability Compliance Procedures and Guidelines	1598
11.116.10	MLO Guidelines	1598
11.116.11	Application of Part G, Divisions 2 – 6 (inclusive)	1598
11.116.12	Interim deeming of MLO generators and MLO groups	1599
11.116.13	MLO information template.....	1606
11.116.14	Initial MLO register.....	1606
11.116.15	Approved MLO products list.....	1606
11.116.16	Designated MLO exchange	1606
11.116.17	Five minute settlement intervals	1606
11.116.18	Review by AEMC.....	1607
Part ZZZS	Transparency of new projects	1607
11.117	Rules consequential on the making of the National Electricity Amendment (Transparency of new projects) Rule 2019.....	1607
11.117.1	Definitions	1607
11.117.2	Generation information page	1607
11.117.3	Generation information guidelines	1607
11.117.4	Provision and use of information.....	1608

Part ZZZT	Demand management incentive scheme and innovation allowance for TNSPs.....	1608
11.118	Rules consequential on the making of the National Electricity Amendment (Demand management incentive scheme and innovation allowance for TNSPs) Rule 2019	1608
11.118.1	Definitions	1608
11.118.2	AER to develop and publish the demand management innovation allowance mechanism	1609
Part ZZZU	Application of the regional reference node test to the Reliability and Emergency Reserve Trader	1609
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	1609
11.119.1	Definitions	1609
11.119.2	AEMO intervention event in effect on commencement date	1609
Part ZZZV	Improving Transparency and Extending Duration of MT PASA.....	1609
11.120	Rules consequential on the making of the National Electricity Amendment (Improving transparency and extending duration of MT PASA) Rule 2020	1609
11.120.1	AEMO to update spot market operations timetable	1609
Part ZZZW	Victorian jurisdictional derogation – RERT contracting	1610
11.121	Rules consequential on the making of the National Electricity Amendment (Victorian jurisdictional derogation - RERT contracting) Rule 2020	1610
11.121.1	Definitions	1610
11.121.2	Procedures.....	1610
Part ZZZX	Mandatory primary frequency response.....	1610
11.122	Rules consequential on the making of the National Electricity Amendment (Mandatory primary frequency response) Rule 2020	1610
11.122.1	Definitions	1610
11.122.2	Interim Primary Frequency Response Requirements	1610
11.122.3	Action taken prior to commencement.....	1611
Part ZZZY	System restart services, standards and testing.....	1611
11.123	Rules consequential on the making of the National Electricity Amendment (System restart services, standards and testing) Rule 2020	1611
11.123.1	Definitions	1611
11.123.2	SRAS Guideline.....	1612
11.123.3	System restart standard	1612
11.123.4	Communication protocols.....	1612
11.123.5	System restart tests	1612
Part ZZZZ	Introduction of metering coordinator planned interruptions	1613

11.124	Rules consequential on the making of the National Electricity Amendment (Introduction of metering coordinator planned interruptions) Rule 2020	1613
11.124.1	Definitions	1613
11.124.2	Amendments of the metrology procedure	1613
11.124.3	Market Settlement and Transfer Solutions Procedures	1613
11.124.4	Requirements of the metrology procedure	1613
Part ZZZZA	Wholesale demand response	1614
11.125	Rules consequential on the making of the National Electricity Amendment (Wholesale demand response mechanism) Rule 2020	1614
11.125.1	Definitions	1614
11.125.2	Wholesale demand response guidelines	1615
11.125.3	Baseline methodologies	1615
11.125.4	Wholesale demand response participation guidelines	1615
11.125.5	Extension of time for registration and aggregation	1615
11.125.6	Amendments to AEMO, AER and AEMC documents	1616
11.125.7	Amendments to the demand side participation information guidelines.....	1617
11.125.8	Amendment to RERT guidelines.....	1617
11.125.9	Renaming of Market Ancillary Service Providers.....	1617
11.125.10	Wholesale demand response annual reporting.....	1617
Part ZZZZB	Integrated System Planning Rules	1618
11.126	Rules consequential on the making of the National Electricity Amendment (Integrated System Planning) Rule 2020	1618
11.126.1	Definitions	1618
11.126.2	2020 Integrated System Plan	1618
11.126.3	Existing actionable ISP projects	1619
11.126.4	Existing actionable ISP projects at the clause 5.16.6 stage	1619
11.126.5	Existing actionable ISP projects prior to the clause 5.16.6 stage	1619
11.126.6	Existing RIT-T proponent has published a PSCR but not a PADR	1620
11.126.7	Cost Benefit Analysis Guidelines	1620
11.126.8	Forecasting Best Practice Guidelines	1620
11.126.9	Methodologies and reports	1621
11.126.10	AEMC review of ISP framework	1621
Part ZZZZC	Deferral of network charges	1621
11.127	Transitional arrangements made by the National Electricity Amendment (Deferral of network charges) Rule 2020 No. 11.....	1621
11.127.1	Definitions	1621
11.127.2	Deferral of payment of network charges	1622
11.127.3	Deferral of payment of charges for prescribed transmission services	1623
11.127.4	AER reporting.....	1624
11.127.5	Application of this Part.....	1624
Part ZZZZD	Interim reliability measure	1625
11.128	Rules consequential on the making of the National Electricity Amendment (Interim reliability measure) Rule 2020	1625
11.128.1	Definitions	1625

11.128.2	Expiry date.....	1625
11.128.3	Application of rule 3.20.....	1625
11.128.4	Reserve contracts for interim reliability reserves	1625
11.128.5	Interim reliability reserves – reporting	1627
11.128.6	AEMO exercise of RERT	1628
11.128.7	RERT guidelines.....	1628
11.128.8	RERT procedures.....	1629
11.128.9	Reliability standard implementation guidelines	1629
11.128.10	AEMO preparatory activities.....	1629
11.128.11	Reserve contracts entered into before the commencement date	1629
11.128.12	Review by the AEMC.....	1629
Part ZZZZE	Removal of intervention hierarchy	1630
11.129	Rules consequential on making of the National Electricity Amendment (Removal of intervention hierarchy) Rule 2020.....	1630
11.129.1	Definitions	1630
11.129.2	Procedures.....	1631
Part ZZZZF	Reallocation of National Transmission Planner costs	1631
11.130	Rule consequential on the making of the National Electricity Amendment (Reallocation of National Transmission Planner costs) Rule 2020.....	1631
11.130.1	Allocation of NTP costs.....	1631
Part ZZZZG	Transparency of unserved energy calculation	1633
11.131	Rules consequential on the making of the National Electricity Amendment (Transparency of unserved energy calculation) Rule 2020 No. 16	1633
11.131.1	<i>AEMO to update the reliability standard implementation guidelines</i>	<i>1633</i>
Part ZZZZH	Retailer Reliability Obligation trigger	1633
11.132	Rules consequential on the making of the National Electricity Amendment (Retailer Reliability Obligation trigger) Rule 2020	1633
11.132.1	Definitions	1633
11.132.2	Reliability standard.....	1633
11.132.3	AEMO request for a T-3 reliability instrument	1633
11.132.4	When a decision by the AER must be made.....	1633
11.132.5	Reliability Forecast Guidelines.....	1634
11.132.6	AEMO preparatory activities.....	1634
11.132.7	AER preparatory activities	1634
Part ZZZZI	Compensation following directions for services other than energy and market ancillary services	1634
11.133	Rules consequential on the making of the National Electricity Amendment (Compensation following directions for services other than energy and market ancillary services) Rule 2020	1634
11.133.1	Definitions	1634
11.133.2	Compensation process in effect on commencement date	1634
11.133.3	Direction in effect on commencement date	1635
Part ZZZZJ	Prudent discounts in an adoptive jurisdiction	1635

11.134	Rules consequential on the making of the National Electricity Amendment (Prudent discounts in an adoptive jurisdiction) Rule 2020 No. 19	1635
11.134.1	Definitions	1635
11.134.2	Prudent discount application before commencement date	1635
Part ZZZZK	Technical standards for Distributed Energy Resources	1636
11.135	Rules consequential on the making of the National Electricity Amendment (Technical standards for Distributed Energy Resources) Rule 2021 No. 1	1636
11.135.1	Definitions	1636
11.135.2	Application of the Amending Rule to existing connection applications	1636
11.135.3	Application of the Amending Rule to existing offers	1636
11.135.4	Application of the Amending Rule to existing connection contracts	1637
Part ZZZZL	Semi-scheduled generator dispatch obligations	1637
11.136	Rules consequential on the making of the National Electricity Amendment (Semi-scheduled generator dispatch obligations) Rule 2021	1637
11.136.1	AEMO to update power system operating procedure	1637
Part ZZZZM	Renewable energy zone planning	1637
11.137	Rule consequential on the making of the National Electricity Amendment (Renewable energy zone planning) Rule 2021	1637
11.137.1	Definitions	1637
11.137.2	Cost pass through for renewable energy zone planning	1637
11.137.3	AEMC review of REZ planning rules	1638