

National Electricity Rules As in force in the Northern Territory Version 54

Historical Information

This version of the National Electricity Rules As in force in the Northern Territory was current from 9 July 2020 to 5 August 2020.

National Electricity Rules As in force in the Northern Territory

Version 54

Status Information

This is the latest electronically available version of the National Electricity Rules as in force in the Northern Territory (NT NER) as at 9 July 2020.

This consolidated version of the NT NER reflects the current version of the National Electricity Rules (version 144) as amended by the following regulations made by the Northern Territory under section 13(2)(c) of the *National Electricity (Northern Territory) (National Uniform Legislation) Act*:

National Electricity (Northern Territory) (National Uniform Legislation) (Modification) Regulations.

Provisions in force

All provisions displayed in this consolidated version of the Rules have commenced.

As at the date of this consolidation:

- (a) the Australian Energy Market Commission has made certain Rules under Part 7, Division 3 of the National Electricity Law that have not yet commenced. A complete list of these Rules is set out under "Provisions in Force" on the cover sheet of the latest version of the National Electricity Rules.
- (b) As at the date of this consolidation, the Northern Territory has adopted (or adopted a modified version of) various provisions of the National Electricity Rules with effect from 1 July 2019 and certain other provisions with effect from the date that the Northern Territory adopts the National Energy Retail Law as a law of the Northern Territory. The provisions to be adopted and the modifications to those provisions (if relevant) are specified in the National Electricity (Northern Territory)(National Uniform Legislation)(Modification) Regulations.

This consolidated version of the NT NER contains drafting notes to indicate the provisions of the National Electricity Rules that have been adopted in the Northern Territory with effect from a later date.

TABLE OF CONTENTS

1. Introduction3

1.1 Preliminary.....3

1.1.1 References to the Rules3

1.1.2 Italicised expressions3

1.1.3 [Deleted]3

1.2 Background3

1.3 Nomenclature of and references to provisions of a Chapter3

1.3.1 Introduction.....3

1.3.2 Parts, Divisions and Subdivisions.....3

1.3.3 Rules, clauses, paragraphs, subparagraphs and other items4

1.4 Effect of renumbering of provisions of the Rules5

1.5 [Deleted].....5

1.6 [Deleted].....5

1.7 Interpretation5

1.7.1 General.....5

1.7.1A Inconsistency with National Measurement Act6

1.7.1B Instruments6

1.8 Notices.....7

1.8.1 Service of notices under the Rules.....7

1.8.2 Time of service7

1.8.3 Counting of days8

1.8.4 Reference to addressee8

1.9 Retention of Records and Documents.....8

1.9A NTESMO’s costs in connection with these Rules8

1.10 [Deleted].....8

1.11 AEMO Rule Funds8

2. Registered Participants and Registration13

2A. Regional Structures.....17

3. Market Rules21

4. Power System Security25

4A. Retailer Reliability Obligation29

Part A Introduction.....29

4A.A Definitions.....29

4A.A.1 Definitions29

4A.A.2 Forecast reliability gap materiality32

4A.A.3 One-in-two year peak demand forecast32

4A.A.4 Peak demand32

Part B Reliability Forecasts33

4A.B.1 Reliability forecast33

4A.B.2 Reliability forecast components33

4A.B.3 Supporting materials34

4A.B.4 Reliability Forecast Guidelines34

4A.B.5 AER Forecasting Best Practice Guidelines35

Part C Reliability Instruments36

Division 1 AEMO request for a reliability instrument36

4A.C.1 AEMO request for a reliability instrument36

4A.C.2 AEMO request for a T-3 reliability instrument36

4A.C.3 AEMO request for a T-1 reliability instrument37

4A.C.4 Related T-3 reliability instrument37

4A.C.5 Notification of a closed forecast reliability gap at T-137

4A.C.6 Corrections to a request38

4A.C.7 Withdrawing a request38

Division 2 AER making of a reliability instrument38

4A.C.8 AER making of a reliability instrument38

4A.C.9 When a decision by the AER must be made38

4A.C.10 T-1 reliability instrument components39

4A.C.11 AER decision making criteria39

4A.C.12 Reliability Instrument Guidelines39

Part D Liable Entities40

4A.D.1 Application40

4A.D.2 Liable entities40

4A.D.3 New entrants41

4A.D.4 Application to register as large opt-in customer41

4A.D.5 Application to register as prescribed opt-in customer42

4A.D.6 Thresholds42

4A.D.7 Opt-in cut-off day43

4A.D.8 AER approval of applications43

4A.D.9 AER opt-in register44

4A.D.10 Changes to register44

4A.D.11 AER register taken to be correct44

4A.D.12 AEMO Opt-In Procedures45

4A.D.13 AER Opt-In Guidelines45

Part E Qualifying Contracts and Net Contract Position46

Division 1 Key concepts46

4A.E.1 Qualifying contracts46

4A.E.2 Net contract position47

Division 2 Firmness methodologies47

4A.E.3 Firmness methodology47

4A.E.4 Types of methodologies48

4A.E.5 Approval of a bespoke firmness methodology48

Division 3	Reporting net contract position	49
4A.E.6	Reporting requirements	49
Division 4	Adjustment of net contract position.....	50
4A.E.7	Adjustment of net contract position.....	50
Division 5	Contracts and Firmness Guidelines	51
4A.E.8	Contracts and Firmness Guidelines	51
Part F	Compliance with the Retailer Reliability Obligation	52
Division 1	Application	52
4A.F.1	Application	52
Division 2	Key concepts.....	52
4A.F.2	Compliance TI	52
4A.F.3	Share of one-in-two year peak demand forecast.....	52
Division 3	AEMO notifications to AER.....	54
4A.F.4	AEMO notification of compliance trading intervals	54
4A.F.5	AEMO compliance report.....	54
Division 4	AER assessment of compliance.....	54
4A.F.6	Reliability Compliance Procedures and Guidelines	54
4A.F.7	AER assessment.....	55
4A.F.8	AER notification to AEMO for PoLR costs	55
Division 5	Miscellaneous	56
4A.F.9	Demand response information	56
4A.F.10	PoLR cost procedures	56
Part G	Market Liquidity Obligation	56
Division 1	Preliminary.....	56
4A.G.1	Overview of Part G	56
4A.G.2	Purpose and application	57
Division 2	Market Generators and trading right holders	57
4A.G.3	Market Generators and generator capacity	57
4A.G.4	Trading rights and trading right holders	57
Division 3	Trading groups.....	58
4A.G.5	Trading group	58
4A.G.6	Controlling entity.....	58
Division 4	Traced capacity and trading group capacity	60
4A.G.7	Traced capacity	60
4A.G.8	Tracing capacity to trading groups	60
4A.G.9	Trading group capacity	61
Division 5	MLO generators and MLO groups.....	61
4A.G.10	MLO group	61
4A.G.11	MLO generator	61
Division 6	Market Generator information	61
4A.G.12	MLO register	61
4A.G.13	Market Generator information	63
4A.G.14	Applications to the AER.....	64

Division 7	Liquidity period	64
4A.G.15	Notices prior to a liquidity period.....	64
4A.G.16	Duration of liquidity period	65
Division 8	Liquidity obligation	65
4A.G.17	Liquidity obligation	65
4A.G.18	Performing a liquidity obligation.....	65
4A.G.19	Volume limits	67
4A.G.20	Appointment of MLO nominee	68
4A.G.21	Exemptions	68
Division 9	MLO products and MLO exchange	69
4A.G.22	MLO products.....	69
4A.G.23	MLO exchange	70
Division 10	Miscellaneous	71
4A.G.24	MLO compliance and reporting.....	71
4A.G.25	MLO Guidelines	71
Part H	Voluntary Book Build.....	72
4A.H.1	Purpose and application.....	72
4A.H.2	Book Build Procedures	72
4A.H.3	Commencement of voluntary book build	73
4A.H.4	Participation in the voluntary book build	73
4A.H.5	Book build fees	74
4A.H.6	Reporting	74
5.	Network Connection Access, Planning and Expansion	77
Part A	Introduction.....	77
5.1	Introduction to Chapter 5	77
5.1.1	Structure of this Chapter	77
5.1.2	Overview of Part B and connection and access under the Rules.....	77
5.1.3	Definitions	80
Part B	Network Connection and Access	81
5.1A	Introduction to Part B	81
5.1A.1	Purpose and Application.....	81
5.1A.2	Principles	83
5.1A.3	Dedicated connection asset service providers	83
5.2	Obligations.....	84
5.2.1	Obligations of Registered Participants	84
5.2.2	Connection agreements.....	84
5.2.3	Obligations of network service providers.....	85
5.2.3A	Obligations of Market Network Service Providers	90
5.2.4	Obligations of customers	91
5.2.5	Obligations of Generators.....	93
5.2.6	Obligations of AEMO.....	94
5.2.6A	AEMO review of technical requirements for connection.....	95
5.2.7	Obligations of Dedicated Connection Asset Service Providers	96
5.2A	Transmission network connection and access.....	96

- 5.2A.1 Application96
- 5.2A.2 Relevant assets.....97
- 5.2A.3 Connection and access to transmission services.....97
- 5.2A.4 Transmission services related to connection99
- 5.2A.5 Publication and provision of information102
- 5.2A.6 Negotiating principles.....102
- 5.2A.7 Third party IUSAs103
- 5.2A.8 Access framework for large dedicated connection assets.....104
- 5.3 Establishing or Modifying Connection106**
- 5.3.1 Process and procedures.....106
- 5.3.1A Application of rule to connection of embedded generating units.....107
- 5.3.2 Connection enquiry.....107
- 5.3.3 Response to connection enquiry109
- 5.3.4 Application for connection112
- 5.3.4A Negotiated access standards114
- 5.3.4B System strength remediation for new connections117
- 5.3.5 Preparation of offer to connect120
- 5.3.6 Offer to connect121
- 5.3.7 Finalisation of connection agreements and network operating agreements125
- 5.3.8 Provision and use of information.....126
- 5.3.9 Procedure to be followed by a Generator proposing to alter a generating system128
- 5.3.10 Acceptance of performance standards for generating plant that is altered130
- 5.3.11 Notification of request to change normal voltage.....130
- 5.3A Establishing or modifying connection - embedded generation.....131**
- 5.3A.1 Application of rule 5.3A131
- 5.3A.2 Definitions and miscellaneous132
- 5.3A.3 Publication of Information.....132
- 5.3A.4 Fees134
- 5.3A.5 Enquiry135
- 5.3A.6 Response to Enquiry136
- 5.3A.7 Preliminary Response to Enquiry136
- 5.3A.8 Detailed Response to Enquiry137
- 5.3A.9 Application for connection138
- 5.3A.10 Preparation of offer to connect139
- 5.3A.11 Technical Dispute140
- 5.3A.12 Network support payments and functions140
- 5.3AA Access arrangements relating to Distribution Networks141**
- 5.3B Application for connection to declared shared network144**
- 5.4 Independent Engineer145**
- 5.4.1 Application145
- 5.4.2 Establishment of a pool145
- 5.4.3 Initiating the Independent Engineer process.....145
- 5.4.4 Referral to the Adviser.....146
- 5.4.5 Proceedings and decisions of the Independent Engineer147
- 5.4.6 Costs of the Independent Engineer148

5.4A	[Deleted]	148
5.4AA	[Deleted]	148
5.5	Commercial arbitration for prescribed and negotiated transmission services and large DCA services	148
5.5.1	Application	148
5.5.2	Notification of dispute	149
5.5.3	Appointment of commercial arbitrator	149
5.5.4	Procedures of commercial arbitrator.....	150
5.5.5	Powers of commercial arbitrator in determining disputes	150
5.5.6	Determination of disputes	151
5.5.7	Costs of dispute.....	152
5.5.8	Enforcement of agreement or determination and requirement for reasons	153
5.5.9	Miscellaneous	153
5.5A	[Deleted]	153
Part C	Post-Connection Agreement matters	153
5.6	Design of Connected Equipment	153
5.6.1	Application	153
5.6.2	Advice of inconsistencies	154
5.6.3	Additional information	154
5.6.4	Advice on possible non-compliance	154
5.6A	[Deleted]	155
5.7	Inspection and Testing	155
5.7.1	Right of entry and inspection.....	155
5.7.2	Right of testing	157
5.7.3	Tests to demonstrate compliance with connection requirements for generators.....	158
5.7.3A	Tests to demonstrate compliance with system strength remediation schemes.....	160
5.7.4	Routine testing of protection equipment.....	161
5.7.5	Testing by Registered Participants of their own plant requiring changes to normal operation	163
5.7.6	Tests of generating units requiring changes to normal operation	165
5.7.7	Inter-network power system tests	166
5.7.8	Contestable IUSA components.....	172
5.8	Commissioning	172
5.8.1	Requirement to inspect and test equipment	172
5.8.2	Co-ordination during commissioning	173
5.8.3	Control and protection settings for equipment	173
5.8.4	Commissioning program	174
5.8.5	Commissioning tests	175
5.9	Disconnection and Reconnection	175
5.9.1	Voluntary disconnection	175
5.9.2	Decommissioning procedures.....	176
5.9.3	Involuntary disconnection	176
5.9.4	Direction to disconnect.....	177

5.9.4A	Notification of disconnection	178
5.9.5	Disconnection during an emergency	178
5.9.6	Obligation to reconnect.....	178
Part D	Network Planning and Expansion.....	179
5.10	Network development generally	179
5.10.1	Content of Part D	179
5.10.2	Definitions	180
5.10.3	Interpretation.....	185
5.11	Forecasts of connection to transmission network and identification of system limitations.....	185
5.11.1	Forecasts for connection to transmission network.....	185
5.11.2	Identification of network limitations	186
5.12	Transmission annual planning process.....	186
5.12.1	Transmission annual planning review	186
5.12.2	Transmission Annual Planning Report.....	187
5.13	Distribution annual planning process.....	191
5.13.1	Distribution annual planning review	191
5.13.2	Distribution Annual Planning Report	193
5.13.3	Distribution system limitation template.....	193
5.13A	Distribution zone substation information.....	194
5.14	Joint planning.....	197
5.14.1	Joint planning obligations of Transmission Network Service Providers and Distribution Network Service Providers.....	197
5.14.2	Joint planning obligations of Distribution Network Service Providers and Distribution Network Service Providers.....	198
5.14.3	Joint planning obligations of Transmission Network Service Providers	199
5.14.4	Joint planning by Transmission Network Service Providers and AEMO.....	199
5.14A	Joint planning in relation to retirement or de-ratings of network assets forming part of the Declared Shared Network	200
5.14B	TAPR Guidelines	200
5.14B.1	Development of TAPR Guidelines	200
5.15	Regulatory investment tests generally	200
5.15.1	Interested parties	200
5.15.2	Identification of a credible option.....	200
5.15.3	Review of costs thresholds	202
5.15.4	Costs determinations.....	204
5.15A	Regulatory investment test for transmission.....	204
5.15A.1	General principles and application	204
5.15A.2	Principles for RIT-T projects which are not actionable ISP projects	205
5.15A.3	Principles for actionable ISP projects.....	207
5.16	Application of RIT-T to RIT-T projects which are not actionable ISP projects.....	209
5.16.1	Application	209

5.16.2	Regulatory investment test for transmission application guidelines	209
5.16.3	Investments subject to the regulatory investment test for transmission	211
5.16.4	Regulatory investment test for transmission procedures	213
5.16.5	[Deleted]	219
5.16B	Disputes in relation to application of regulatory investment test for transmission	219
5.16.6	[Deleted]	221
5.16A	Application of the RIT-T to actionable ISP Projects	221
5.16A.1	Application	221
5.16A.2	Cost Benefit Analysis Guidelines	221
5.16A.3	Actionable ISP projects subject to the RIT-T	222
5.16A.4	Regulatory investment test for transmission procedures	223
5.16A.5	Actionable ISP project trigger event.....	226
5.17	Regulatory investment test for distribution	226
5.17.1	Principles	226
5.17.2	Regulatory investment test for distribution application guidelines	228
5.17.3	Projects subject to the regulatory investment test for distribution	230
5.17.4	Regulatory investment test for distribution procedures	231
5.17.5	Disputes in relation to application of regulatory investment test for distribution.....	236
5.18	Construction of funded augmentations	238
5.18A	Generator connections.....	239
5.18A.1	Definitions	239
5.18A.2	Register of generator connections	239
5.18A.3	Impact assessment of large generator connections	240
5.18B	Completed embedded generation projects	241
5.18B.1	Definitions	241
5.18B.2	Register of completed embedded generation projects	241
5.19	SENE Design and Costing Study.....	242
5.19.1	Definitions	242
5.19.2	Interpretation.....	243
5.19.3	Request for SENE Design and Costing Study	243
5.19.4	Content of SENE Design and Costing Study	244
5.19.5	Co-operation of other Network Service Providers	245
5.19.6	Publication of SENE Design and Costing Study report	245
5.19.7	Provision and use of information.....	245
5.20	System security reports	246
5.20.1	Definitions	246
5.20.2	Publication of NSCAS methodology	246
5.20.3	Publication of NSCAS Report	247
5.20.4	Inertia requirements methodology	247
5.20.5	Publication of Inertia Report	248
5.20.6	Publication of system strength requirements methodologies	248
5.20.7	Publication of System Strength Report.....	249
5.20A	Frequency management planning	249

5.20A.1	Power system frequency risk review	249
5.20A.2	Power system frequency risk review process	250
5.20A.3	Power system frequency risk review report.....	250
5.20A.4	Request for protected event declaration.....	251
5.20A.5	Request to revoke a protected event declaration	252
5.20B	Inertia sub-networks and requirements	252
5.20B.1	Boundaries of inertia sub-networks	252
5.20B.2	Inertia requirements	253
5.20B.3	Inertia shortfalls	253
5.20B.4	Inertia Service Provider to make available inertia services.....	254
5.20B.5	Inertia support activities	256
5.20B.6	Inertia network services information and approvals.....	258
5.20C	System strength requirements	259
5.20C.1	System strength requirements	259
5.20C.2	Fault level shortfalls	260
5.20C.3	System Strength Service Provider to make available system strength services.....	261
5.20C.4	System strength services information and approvals.....	262
5.21	AEMO's obligation to publish information and guidelines and provide advice	264
5.22	Integrated System Plan	266
5.22.1	Duty of AEMO to make Integrated System Plan	266
5.22.2	Purpose of the ISP	266
5.22.3	Power system needs.....	266
5.22.4	ISP timetable.....	267
5.22.5	Guidelines relevant to the ISP	267
5.22.6	Content of Integrated System Plan	269
5.22.7	ISP consumer panel	270
5.22.8	Preliminary consultations	271
5.22.9	AER transparency review on Inputs, Assumptions and Scenarios Report	272
5.22.10	Preparation of ISP.....	272
5.22.11	Draft Integrated System Plan.....	275
5.22.12	Non-network options	275
5.22.13	AER transparency review of draft Integrated System Plan.....	276
5.22.14	Final Integrated System Plan	276
5.22.15	ISP updates	277
5.22.16	ISP database.....	278
5.22.17	Jurisdictional planning bodies and jurisdictional planning representatives	279
5.22.18	NTP Functions	279
5.23	Disputes in relation to an ISP	279
5.23.1	Disputing party	279
5.23.2	Initial AER review.....	280
5.23.3	Provision of further information.....	280
5.23.4	AER determination	281
Schedule 5.1a	System standards	281
S5.1a.1	Purpose	281

S5.1a.2	Frequency	282
S5.1a.3	System stability.....	282
S5.1a.4	Power frequency voltage	282
S5.1a.5	Voltage fluctuations.....	283
S5.1a.6	Voltage waveform distortion	284
S5.1a.7	Voltage unbalance	284
S5.1a.8	Fault clearance times	285
Schedule 5.1	Network Performance Requirements to be Provided or Co-ordinated by Network Service Providers	286
S5.1.1	Introduction.....	286
S5.1.2	Network reliability.....	287
S5.1.2.1	Credible contingency events.....	287
S5.1.2.2	Network service within a region.....	288
S5.1.2.3	Network service between regions.....	289
S5.1.3	Frequency variations.....	290
S5.1.4	Magnitude of power frequency voltage	290
S5.1.5	Voltage fluctuations.....	291
S5.1.6	Voltage harmonic or voltage notching distortion	292
S5.1.7	Voltage unbalance	293
S5.1.8	Stability.....	294
S5.1.9	Protection systems and fault clearance times	295
S5.1.10	Load, generation and network control facilities	298
S5.1.10.1	General.....	298
S5.1.10.1a	Emergency frequency control schemes	298
S5.1.10.2	Distribution Network Service Providers.....	300
S5.1.10.3	Transmission Network Service Providers	300
S5.1.11	Automatic reclosure of transmission or distribution lines.....	300
S5.1.12	Rating of transmission lines and equipment.....	300
S5.1.13	Information to be provided	301
Schedule 5.2	Conditions for Connection of Generators	301
S5.2.1	Outline of requirements	301
S5.2.2	Application of Settings	302
S5.2.3	Technical matters to be coordinated	303
S5.2.4	Provision of information.....	304
S5.2.5	Technical requirements.....	306
S5.2.5.1	Reactive power capability.....	306
S5.2.5.2	Quality of electricity generated.....	308
S5.2.5.3	Generating system response to frequency disturbances	309
S5.2.5.4	Generating system response to voltage disturbances.....	311
S5.2.5.5	Generating system response to disturbances following contingency events	313
S5.2.5.6	Quality of electricity generated and continuous uninterrupted operation	321
S5.2.5.7	Partial load rejection	321
S5.2.5.8	Protection of generating systems from power system disturbances	322
S5.2.5.9	Protection systems that impact on power system security.....	323
S5.2.5.10	Protection to trip plant for unstable operation	325
S5.2.5.11	Frequency control	326
S5.2.5.12	Impact on network capability	329

S5.2.5.13	Voltage and reactive power control	330
S5.2.5.14	Active power control	336
S5.2.6	Monitoring and control requirements	338
S5.2.6.1	Remote Monitoring.....	338
S5.2.6.2	Communications equipment	341
S5.2.7	Power station auxiliary supplies	342
S5.2.8	Fault current.....	342
Schedule 5.3	Conditions for Connection of Customers	343
S5.3.1a	Introduction to the schedule.....	343
S5.3.1	Information	344
S5.3.2	Design standards	346
S5.3.3	Protection systems and settings	346
S5.3.4	Settings of protection and control systems	347
S5.3.5	Power factor requirements	348
S5.3.6	Balancing of load currents	349
S5.3.7	Voltage fluctuations.....	350
S5.3.8	Harmonics and voltage notching	350
S5.3.9	Design requirements for Network Users' substations.....	350
S5.3.10	Load shedding facilities.....	351
Schedule 5.3a	Conditions for connection of Market Network Services	351
S5.3a.1a	Introduction to the schedule.....	351
S5.3a.1	Provision of Information.....	352
S5.3a.2	Application of settings	354
S5.3a.3	Technical matters to be co-ordinated.....	355
S5.3a.4	Monitoring and control requirements	355
S5.3a.4.1	Remote Monitoring.....	355
S5.3a.4.2	[Deleted]	356
S5.3a.4.3	Communications equipment	356
S5.3a.5	Design standards	357
S5.3a.6	Protection systems and settings	357
S5.3a.7	[Deleted]	358
S5.3a.8	Reactive power capability.....	358
S5.3a.9	Balancing of load currents	359
S5.3a.10	Voltage fluctuations.....	359
S5.3a.11	Harmonics and voltage notching	359
S5.3a.12	Design requirements for Market Network Service Providers' substations.....	360
S5.3a.13	Market network service response to disturbances in the power system	360
S5.3a.14	Protection of market network services from power system disturbances	361
Schedule 5.4	Information to be Provided with Preliminary Enquiry	362
Schedule 5.4A	Preliminary Response.....	362
Schedule 5.4B	Detailed Response to Enquiry.....	364
Schedule 5.5	Technical Details to Support Application for Connection and Connection Agreement.....	366
S5.5.1	Introduction to the schedule.....	367
S5.5.2	Categories of data	367

S5.5.3 Review, change and supply of data368

S5.5.4 Data Requirements.....368

S5.5.5 Asynchronous generating unit data369

S5.5.6 Generating units smaller than 30MW data369

S5.5.7 Power System Design Data Sheet, Power System Setting Data Sheet and Power System Model Guidelines369

Schedule 5.5.1 [Deleted]372

Schedule 5.5.2 [Deleted]372

Schedule 5.5.3 Network and plant technical data of equipment at or near connection point.....372

Schedule 5.5.4 Network Plant and Apparatus Setting Data375

Schedule 5.5.5 Load Characteristics at Connection Point.....377

Schedule 5.6 Terms and Conditions of Connection agreements and network operating agreements378

Part A Connection agreements378

Part B Network Operating Agreements380

Schedule 5.7 Annual Forecast Information for Planning Purposes380

Schedule 5.8 Distribution Annual Planning Report382

Schedule 5.9 Demand side engagement document (clause 5.13.1(h)).....388

Schedule 5.10 Information requirements for Primary Transmission Network Service Providers (clause 5.2A.5)390

Schedule 5.11 Negotiating principles for negotiated transmission services (clause 5.2A.6)393

Schedule 5.12 Negotiating principles for large DCA services395

5A. Electricity connection for retail customers399

Part A Preliminary.....399

5A.A.1 Definitions399

5A.A.2 Application of this Chapter.....402

5A.A.3 Small Generation Aggregator deemed to be agent of a retail customer.....402

Part B Standardised offers to provide basic and standard connection services403

Division 1 Basic connection services403

5A.B.1 Obligation to have model standing offer to provide basic connection services403

5A.B.2 Proposed model standing offer for basic connection services403

5A.B.3 Approval of terms and conditions of model standing offer to provide basic connection services404

Division 2 Standard connection services.....405

5A.B.4 Standard connection services405

5A.B.5 Approval of model standing offer to provide standard connection services406

Division 3 Miscellaneous407

5A.B.6	Amendment etc of model standing offer	407
5A.B.7	Publication of model standing offers	407
Part C	Negotiated connection	408
5A.C.1	Negotiation of connection.....	408
5A.C.2	Process of negotiation.....	408
5A.C.3	Negotiation framework.....	408
5A.C.4	Fee to cover cost of negotiation.....	410
Part D	Application for connection service	411
Division 1	Information	411
5A.D.1	Publication of information.....	411
5A.D.1A	Register of completed embedded generation projects	411
Division 2	Preliminary enquiry	412
5A.D.2	Preliminary enquiry	412
Division 3	Applications.....	413
5A.D.3	Application process	413
5A.D.4	Site inspection.....	414
Part E	Connection charges.....	415
5A.E.1	Connection charge principles	415
5A.E.2	Itemised statement of connection charges	416
5A.E.3	Connection charge guidelines.....	416
5A.E.4	Payment of connection charges	418
Part F	Formation and integration of connection contracts	419
Division 1	Offer and acceptance – basic and standard connection services.....	419
5A.F.1	Distribution Network Service Provider's response to application	419
5A.F.2	Acceptance of connection offer	419
5A.F.3	Offer and acceptance—application for expedited connection.....	420
Division 2	Offer and acceptance – negotiated connection.....	420
5A.F.4	Negotiated connection offer	420
Division 3	Formation of contract.....	421
5A.F.5	Acceptance of connection offer	421
Division 4	Contractual performance.....	421
5A.F.6	Carrying out connection work	421
5A.F.7	Retailer required for energisation where new connection	422
Part G	Dispute resolution between Distribution Network Service Providers and customers	422
5A.G.1	Relevant disputes	422
5A.G.2	Determination of dispute	422
5A.G.3	Termination of proceedings	423
SCHEDULE 5A.1 – Minimum content requirements for connection contract		423
Part A	Connection offer not involving embedded generation	423
Part B	Connection offer involving embedded generation	424
6.	Economic Regulation of Distribution Services	429

Part A	Introduction.....	429
6.0	Operation of Chapter 6 in this jurisdiction	429
6.0A	Interpretation	429
6.1	Introduction to Chapter 6	430
6.1.1	AER's regulatory responsibility	430
6.1.1A	[Deleted]	430
6.1.2	Structure of this Chapter	430
6.1.3	Access to direct control services and negotiated distribution services	431
6.1.4	Prohibition of DUOS charges for the export of energy	432
Part B	Classification of Distribution Services and Distribution Determinations	432
6.2	Classification	432
6.2.1	Classification of distribution services	432
6.2.2	Classification of direct control services as standard control services or alternative control services	432
6.2.3	Term for which classification operates	433
6.2.3A	Distribution Service Classification Guidelines	433
6.2.4	Duty of AER to make distribution determinations	434
6.2.5	Control mechanisms for direct control services	434
6.2.6	Basis of control mechanisms for direct control services	436
6.2.7	Negotiated distribution services	436
6.2.8	Guidelines	436
Part C	Building Block Determinations for standard control services	437
6.3	Building block determinations.....	437
6.3.1	Introduction.....	437
6.3.2	Contents of building block determination	437
6.4	Post-tax revenue model	438
6.4.1	Preparation, publication and amendment of post-tax revenue model.....	438
6.4.2	Contents of post-tax revenue model	438
6.4.3	Building block approach.....	439
6.4.4	Shared assets	440
6.4.5	Expenditure Forecast Assessment Guidelines	442
6.4A	Capital expenditure incentive mechanisms	442
6.4B	Asset exemptions	443
6.4B.1	Asset exemption decisions and Asset Exemption Guidelines	443
6.4B.2	Exemption applications	444
6.5	Matters relevant to the making of building block determinations.....	445
6.5.1	Regulatory asset base.....	445
6.5.2	Return on capital.....	446
6.5.3	Estimated cost of corporate income tax	446
6.5.4	[Deleted]	446
6.5.5	Depreciation.....	446
6.5.6	Forecast operating expenditure	447

6.5.7	Forecast capital expenditure	449
6.5.8	Efficiency benefit sharing scheme	454
6.5.8A	Capital expenditure sharing scheme	455
6.5.9	The X factor	456
6.5.10	Pass through events	457
6.6	Adjustments after making of building block determination.	457
6.6.1	Cost pass through	457
6.6.1AA	Cost pass through – deemed determinations	464
6.6.1AB	Cost pass through – NT events	465
6.6.1A	Reporting on jurisdictional schemes	470
6.6.2	Service target performance incentive scheme	471
6.6.3	Demand management incentive scheme	472
6.6.3A	Demand management innovation allowance mechanism	473
6.6.4	Small-scale incentive scheme	474
6.6.5	Reopening of distribution determination for capital expenditure	475
6.6A	Contingent Projects	479
6.6A.1	Acceptance of a contingent project in a distribution determination	479
6.6A.2	Amendment of distribution determination for contingent project	480
Part D	Negotiated distribution services	485
6.7	Negotiated distribution services	485
6.7.1	Principles relating to access to negotiated distribution services	485
6.7.2	Determination of terms and conditions of access for negotiated distribution services	487
6.7.3	Negotiating framework determination	487
6.7.4	Negotiated Distribution Service Criteria determination	487
6.7.5	Preparation of and requirements for negotiating framework for negotiated distribution services	488
6.7.6	Confidential information	490
Part DA	Connection policies	490
6.7A	Connection policy requirements	490
6.7A.1	Preparation of, and requirements for, connection policy	490
Part E	Regulatory proposal and proposed tariff structure statement	491
6.8	Regulatory proposal and proposed tariff structure statement	491
6.8.1	AER's framework and approach paper	491
6.8.1A	Notification of approach to forecasting expenditure	493
6.8.2	Submission of regulatory proposal, tariff structure statement and exemption application	494
6.9	Preliminary examination and consultation	496
6.9.1	Preliminary examination	496
6.9.2	Resubmission of proposal	496
6.9.2A	Confidential information	496
6.9.3	Consultation	497
6.10	Draft distribution determination and further consultation	498
6.10.1	Making of draft distribution determination	498
6.10.2	Publication of draft determination and consultation	498
6.10.3	Submission of revised proposal	499

6.10.4	Submissions on specified matters	500
6.11	Distribution determination	500
6.11.1	Making of distribution determination	500
6.11.1A	Out of scope revised regulatory proposal or late submissions	501
6.11.2	Notice of distribution determination	501
6.11.3	Commencement of distribution determination	502
6.12	Requirements relating to draft and final distribution determinations.....	502
6.12.1	Constituent decisions	502
6.12.2	Reasons for decisions	505
6.12.3	Extent of AER's discretion in making distribution determinations	506
6.13	Revocation and substitution of distribution determination for wrong information or error	507
6.14	Miscellaneous	508
6.14A	Distribution Confidentiality Guidelines	508
Part F	Cost Allocation	509
6.15	Cost allocation	509
6.15.1	Duty to comply with Cost Allocation Method	509
6.15.2	Cost Allocation Principles	509
6.15.3	Cost Allocation Guidelines	510
6.15.4	Cost Allocation Method.....	511
Part G	Distribution consultation procedures	512
6.16	Distribution consultation procedures	512
Part H	Ring-Fencing Arrangements for Distribution Network Service Providers.....	513
6.17	Distribution Ring-Fencing Guidelines	513
6.17.1	Compliance with Distribution Ring-Fencing Guidelines	513
6.17.1B	Application of Distribution Ring-Fencing Guidelines in this jurisdiction	514
6.17.2	Development of Distribution Ring-Fencing Guidelines	514
Part I	Distribution Pricing Rules	515
6.18	Distribution Pricing Rules	515
6.18.1	Application of this Part	515
6.18.1A	Tariff structure statement.....	515
6.18.1B	Amending a tariff structure statement with the AER's approval	516
6.18.1C	Sub-threshold tariffs	517
6.18.2	Pricing proposals	518
6.18.3	Tariff classes	519
6.18.4	Principles governing assignment or re-assignment of retail customers to tariff classes and assessment and review of basis of charging	520
6.18.5	Pricing principles	520
6.18.6	Side constraints on tariffs for standard control services	522
6.18.7	Recovery of designated pricing proposal charges	523
6.18.7A	Recovery of jurisdictional scheme amounts	524

6.18.8	Approval of pricing proposal.....	527
6.18.9	Publication of information about tariffs and tariff classes.....	528
6.19	Data Required for Distribution Service Pricing	529
6.19.1	Forecast use of networks by Distribution Customers and Embedded Generators.....	529
6.19.2	Confidentiality of distribution network pricing information	529
Part J	Billing and Settlements.....	529
6.20	Billing and Settlements Process	529
6.20.1	Billing for distribution services	529
6.20.2	Minimum information to be provided in distribution network service bills	531
6.20.3	Settlement between Distribution Network Service Providers	531
6.20.4	Obligation to pay	531
Part K	Prudential requirements, capital contributions and prepayments	532
6.21	Distribution Network Service Provider Prudential Requirements	532
6.21.1	Prudential requirements for distribution network service.....	532
6.21.2	Capital contributions, prepayments and financial guarantees	533
6.21.3	Treatment of past prepayments and capital contributions	533
Part L	Dispute resolution	533
6.22	Dispute Resolution	533
6.22.1	Dispute Resolution by the AER.....	533
6.22.2	Determination of dispute	534
6.22.3	Termination of access dispute without access determination.....	535
Part M	Separate disclosure of transmission and distribution charges	535
6.23	Separate disclosure of transmission and distribution charges	535
Part N	Dual Function Assets	536
6.24	Dual Function Assets	537
6.24.1	Application of this Part.....	537
6.24.2	Dual Function Assets.....	537
6.25	AER determination of applicable pricing regime for Dual Function Assets	537
6.26	Division of Distribution Network Service Provider's revenue	538
Part O	Annual Benchmarking Report	539
6.27	Annual Benchmarking Report	539
Part P	Distribution Reliability Measures Guidelines	540
6.28	Distribution Reliability Measures Guidelines	540
Schedule 6.1	Contents of building block proposals.....	540
S6.1.1	Information and matters relating to capital expenditure.....	540
S6.1.2	Information and matters relating to operating expenditure	542
S6.1.3	Additional information and matters.....	543

Schedule 6.2 Regulatory Asset Base546

S6.2.1 Establishment of opening regulatory asset base for a regulatory control period.....546

S6.2.2 Prudency and efficiency of capital expenditure.....550

S6.2.2A Reduction for inefficient past capital expenditure.....551

S6.2.2B Depreciation.....553

S6.2.3 Roll forward of regulatory asset base within the same regulatory control period.....554

S6.2.3A Establishment of opening regulatory asset base for distribution system in this jurisdiction for 1st regulatory control period.....555

6A. Economic Regulation of Transmission Services.....561

6B. Retail Markets565

7. Metering569

7A. Metering573

Part A Introduction.....573

7A.1 Introduction to the Metering Chapter573

7A.1.1 Purpose and application573

7A.1.2 Contents573

7A.1.3 Definitions573

7A.1.4 Inconsistency574

Part B Roles and Responsibilities574

7A.2 Role and responsibility of financially responsible participant574

7A.3 Role and responsibility of Metering Coordinator.....575

7A.3.1 Responsibility of the Metering Coordinator575

7A.3.2 Role of the Metering Coordinator.....576

7A.4 Qualification and requirements of Metering Providers and Metering Data Providers.....578

7A.4.1 Qualification and requirements of Metering Providers578

7A.4.2 Qualification and requirements of Metering Data Providers.....578

Part C Appointment of Metering Coordinator579

7A.5 Appointment of Metering Coordinator579

Part D Metering installation580

7A.6 Metering installation arrangement580

7A.6.1 Metering installation requirements580

7A.6.2 Metering installation components.....580

7A.6.3 Emergency management.....583

7A.6.4 Network devices583

7A.6.5 Metering point583

7A.6.6 Metering installation types and accuracy.....584

7A.6.7	Functionality requirements for type 1, 2, 3 and 4 metering installations	584
7A.6.8	Meter churn.....	584
7A.6.9	Metering installation malfunctions	585
7A.6.10	Timeframes for meters to be installed – new connection	586
7A.6.11	Timeframes for meters to be installed – where a connection service is not required	586
7A.6.12	Timeframes for meters to be installed – where a connection alteration is required	587
7A.6.13	Changing a metering installation	588
7A.6.14	Prepayment metering	589
7A.7	Maintenance, inspection, testing and auditing of metering installations.....	589
7A.7.1	Maintenance.....	589
7A.7.2	Responsibility for inspection and testing.....	590
7A.7.3	Actions in event of non-compliance	591
7A.7.4	Audits of information held in metering installations	592
7A.7.5	Appointment of external auditor.....	592
7A.7.6	Errors found in metering tests, inspections or audits.....	593
7A.7.7	Retention of test records and documents	593
Part E	Metering data	594
7A.8	Metering data services.....	594
7A.8.1	Metering data services	594
7A.8.2	Collection of energy data and estimation of metering data	595
7A.8.3	Data management and storage	596
7A.8.4	Provision of metering data to certain persons.....	597
7A.8.5	Use of check metering data.....	598
7A.8.6	Periodic energy metering	598
7A.8.7	Verification of metering data Metering installations other than type 7 metering installations	599
7A.8.8	Time settings.....	600
7A.8.9	Metering data performance standards.....	600
7A.9	Metering data and data base	602
7A.9.1	Metering database	602
7A.9.2	Data validation, substitution and estimation.....	603
7A.9.3	Changes to energy data or to metering data.....	603
7A.10	Register of metering information	604
7A.10.1	Metering register.....	604
7A.10.2	Metering installation registration process.....	604
7A.10.3	Metering register discrepancy.....	604
7A.11	Disclosure of information	605
7A.11.1	Provision of data to retailers	605
7A.12	Metering data provision to retail customers	606
Part F	Security of metering installations and energy data	606
7A.13	Security of metering installations, energy data and metering data.....	606

7A.13.1	Confidentiality of data	606
7A.13.2	Security of metering installations	606
7A.13.3	Security controls for energy data	607
7A.13.4	Additional security controls for type 4 metering installations.....	608
7A.13.5	Access to data	609
Schedule 7A.1	Metering register	610
S7A.1.1	General.....	610
S7A.1.2	Metering register information.....	611
S7A.1.3	Communication guideline.....	611
Schedule 7A.2	Metering provider.....	611
Schedule 7A.3	Metering data provider	611
Schedule 7A.4	Types and accuracy of metering installations	611
S7A.4.1	General requirements.....	611
S7A.4.2	Accuracy requirements for metering installations	612
S7A.4.3	Check metering	616
S7A.4.4	Resolution and accuracy of displayed or captured data.....	617
S7A.4.5	General design standards	618
S7A.4.5.1	Design requirements	618
S7A.4.5.2	Design guidelines.....	618
Schedule 7A.5	Metering functionality requirements for type 1, 2, 3 and 4 metering requirements	619
S7A.5.1	Introduction.....	619
S7A.5.1.1	Purpose	619
S7A.5.1.2	Definitions	619
S7A.5.2	Functionality Requirements for Meters in Type 1, 2, and 3 metering installations	619
S7A.5.2.1	Application	619
S7A.5.2.2	Applicable meter configurations.....	620
S7A.5.2.3	Metrology	620
S7A.5.3	Functionality Requirements for Meters in Type 4 metering installations	620
S7A.5.3.1	Application	620
S7A.5.3.2	Applicable meter configurations.....	620
S7A.5.3.3	Metrology	621
S7A.5.3.4	Remote and local reading of meters	621
S7A.5.3.5	Supply disconnection and reconnection	622
S7A.5.3.5.1	General requirements.....	622
S7A.5.3.5.2	Disconnection	622
S7A.5.3.5.3	Reconnection	622
S7A.5.3.6	Time clock synchronisation.....	623
S7A.5.3.7	Quality of Supply and other event recording.....	623
S7A.5.3.8	Tamper detection	624
S7A.5.3.9	Communications and data security	624
S7A.5.3.10	Remote firmware upgrades.....	624
S7A.5.3.11	Remote arming.....	624
Schedule 7A.6	Inspection and testing requirements	624
S7A.6.1	General.....	624
S7A.6.2	Technical guidelines	626

Schedule 7A.7 Metrology procedure627

Part A627

S7A.7.1 Introduction..... 627

S7A.7.1.1 General..... 627

S7A.7.1.2 Definitions 627

S7A.7.1.3 Relevant retailer..... 628

Part B628

S7A.7.2 Purpose and scope..... 628

S7A.7.2.1 Purpose 628

S7A.7.2.2 Scope..... 629

S7A.7.3 Metering provision..... 629

S7A.7.3.1 Responsibility for metering provision 629

S7A.7.3.2 Metering installation components..... 629

S7A.7.3.3 Use of optical ports and pulse outputs 630

S7A.7.3.4 Load control equipment 631

S7A.7.3.5 Data storage requirements for meters 631

S7A.7.3.6 Metering installation clock 631

S7A.7.3.7 Interval meters 631

S7A.7.3.8 Alarm settings 632

S7A.7.3.9 Summation metering..... 632

S7A.7.3.10 632

S7A.7.3.11 Routine testing and inspection of metering installations 632

S7A.7.3.12 Requests for testing type 1 – 6 metering installations 633

S7A.7.4 Installation of meters and de-commissioning 634

S7A.7.4.1 General installation requirements 634

S7A.7.4.2 Type 4A, 5 and 6 metering installations 634

S7A.7.4.3 Preliminary de-commissioning and removal of metering equipment requirements 634

S7A.7.4.4 634

S7A.7.5 635

S7A.7.6 Responsibility for metering data services..... 635

S7A.7.6.1 Metering data storage 635

S7A.7.6.2 Verification of metering data for type 4, 4A, 5, 6 and 7 installations 635

S7A.7.6.3 Metering installation type 7 – sample testing 636

S7A.7.6.4 Request for text of calculated metering data 637

S7A.7.6.5 NTESMO's metering data substitution obligations 638

Part C638

S7A.7.7 Purpose and scope..... 638

S7A.7.7.1 Purpose 638

S7A.7.7.2 Scope..... 638

S7A.7.8 Principles for validation, substitution and estimation..... 638

S7A.7.8.1 General validation, substitution and estimation requirements..... 638

S7A.7.8.2 Substitution requirements 638

S7A.7.8.3 Estimation requirement..... 639

S7A.7.8.4 Metering data quality flags 640

S7A.7.8.5 Final substitution 640

S7A.7.9 Substitution for acquisition of metering data from remotely read metering installations..... 641

S7A.7.9.1 Application of S7A.7.9..... 641

S7A.7.9.2	Substitution rules	641
S7A.7.9.3	Substitution types.....	643
S7A.7.10	Substitution and estimation for manually read interval metering installations	646
S7A.7.10.1	Application of S7A.7.10	646
S7A.7.10.2	Substitution and estimation rules	646
S7A.7.10.3	Substitution and estimation types	647
S7A.7.11	Substitution and estimation for metering installations with accumulated metering data	649
S7A.7.11.1	Substitution and estimation rules	649
S7A.7.11.2	Substitution and estimation types	651
S7A.7.12	Substitution and estimation for calculated metering data	652
S7A.7.12.1	Substitution rules	652
S7A.7.12.2	Substitution and estimation types	653
S7A.7.13	Data validation requirements	654
S7A.7.13.1	Validation requirements for all metering installations	654
S7A.7.13.2	Validation of interval metering data alarms	654
S7A.7.13.3	Validation within the meter reading process for manually read metering installations.....	655
S7A.7.13.4	Validation as part of the registration process.....	655
S7A.7.13.5	Validation of metering data	656
S7A.7.14	Determination of metering data for unmetered loads	662
S7A.7.14.1	Load table	662
S7A.7.14.2	Controlled unmetered devices	663
S7A.7.14.3	Uncontrolled unmetered devices	667
Schedule 7A.8	Service level procedures	668
Part A	Introduction.....	668
S7A.8.1	Introduction.....	668
S7A.8.1.1	Purpose and scope.....	668
S7A.8.1.2	Definitions	668
Part B	Metering provider services	669
S7A.8.2	Introduction.....	669
S7A.8.2.1	Purpose and exclusions.....	669
S7A.8.2.2	Services.....	669
S7A.8.3	General requirements.....	669
S7A.8.3.1	Metering Provider capability and competency	669
S7A.8.3.2	Use of contractors	670
S7A.8.3.3	Insurance.....	670
S7A.8.4	Device management and test equipment	671
S7A.8.4.1	Procurement.....	671
S7A.8.4.2	Storage, handling and transport	671
S7A.8.4.3	Management of test equipment.....	671
S7A.8.4.4	Management of meter programming and authorised software	672
S7A.8.5	Installation and commissioning requirements	672
S7A.8.5.1	General commissioning requirements	672
S7A.8.5.2	Metering data validation requirements	673
S7A.8.6	Metering installation maintenance.....	674
S7A.8.6.1	Test plans.....	674
S7A.8.6.2	Management of metering installation malfunctions	674

S7A.8.6.3	Telecommunications	674
S7A.8.6.4	Non-conforming test results or calibrations	675
S7A.8.7	Systems and administration	675
S7A.8.7.1	Register of metering installations	675
S7A.8.7.2	Disaster recovery	676
S7A.8.7.3	Audits undertaken by the Utilities Commission	676
Part C	Metering Data Provider services	676
S7A.8.8	Introduction	676
S7A.8.8.1	Purpose	676
S7A.8.8.2	Obligations	677
S7A.8.9	Service requirements	679
S7A.8.9.1	System requirements	679
S7A.8.9.2	Metering data services database	680
S7A.8.9.3	Exception reports	680
S7A.8.9.4	Collection process requirements	680
S7A.8.9.5	Specific collection process requirements for remotely read metering installations	681
S7A.8.9.6	Specific collection process requirements for manually read metering installations	681
S7A.8.9.7	Metering data processing requirements	682
S7A.8.9.8	Specific metering data processing requirements for type 1, 2, 3 and 4 metering installations	683
S7A.8.9.9	Specific metering data processing requirements for type 7 metering installations	683
S7A.8.9.10	Specific metering data estimation requirements for manually read and type 7 metering installations	684
S7A.8.9.11	Delivery performance requirements for metering data	684
S7A.8.10	Data management following the alteration of type of metering installation at a connection point	686
S7A.8.10.1	Meter churn scenarios	686
S7A.8.10.2	Scenario 1	687
S7A.8.10.3	Scenario 2	687
S7A.8.10.4	Scenario 3	687
S7A.8.10.5	Scenario 4	687
S7A.8.11	System architecture and administration	688
S7A.8.11.1	Metering data archival and recovery	688
S7A.8.11.2	Data backup	689
S7A.8.11.3	Disaster recovery	689
S7A.8.11.4	System administration and data management	690
S7A.8.12	Quality control	690
S7A.8.12.1	Audits	690
S7A.8.12.2	Corrective action	691
S7A.8.13.1	Administration	691
S7A.8.13.2	Quality systems	692
8.	Administrative Functions	695
Part A	Introductory	695
8.1	Administrative functions	695

8.1.1	[Deleted]	695
8.1.2	[Deleted]	695
8.1.3	Structure of this Chapter	695
Part B	Disputes.....	695
Part C	Registered Participants' confidentiality obligations.....	696
8.6	Confidentiality.....	696
8.6.1	Confidentiality	696
8.6.1A	Application	697
8.6.2	Exceptions.....	697
8.6.3	Conditions.....	698
8.6.4	[Deleted]	699
8.6.5	Indemnity to AER, AEMC and AEMO.....	699
8.6.6	AEMO information.....	699
8.6.7	Information on Rules Bodies	699
Part D	Monitoring and reporting	699
8.7	Monitoring and Reporting.....	699
8.7.1	Monitoring	699
8.7.2	Reporting requirements and monitoring standards for Registered Participants	700
8.7.3	Consultation required for making general regulatory information order (Section 28H of the NEL)	702
8.7.4	Preparation of network service provider performance report (Section 28V of the NEL).....	703
8.7.5	[Deleted]	703
8.7.6	Recovery of reporting costs	703
Part E	Reliability panel	704
8.8	Reliability Panel.....	704
8.8.1	Purpose of Reliability Panel	704
8.8.2	Constitution of the Reliability Panel.....	705
8.8.3	Reliability Panel review process.....	707
8.8.4	Determination of protected events.....	710
Part F	Rules consultation procedures.....	711
8.9	Rules Consultation Procedures	711
Part G	Consumer advocacy funding	714
8.10	Consumer advocacy funding obligation	714
Part H	Augmentations	714
8.11	Augmentations	714
8.11.1	Application	714
8.11.2	Object.....	714
8.11.3	Definitions	715
8.11.4	Planning criteria.....	715
8.11.5	Construction of augmentation that is not a contestable augmentation.....	716
8.11.6	Contestable augmentations	716
8.11.7	Construction and operation of contestable augmentation.....	717

8.11.8	Funded augmentations that are not subject to the tender process.....	718
8.11.9	Contractual requirements and principles	719
8.11.10	Annual planning review.....	720
Schedule 8.11	Principles to be reflected in agreements relating to contestable augmentations	720
S8.11.1	Risk allocation	720
S8.11.2	Minimum requirements for agreements relating to contestable augmentation.....	721
S8.11.3	Matters to be dealt with in relevant agreements	721
Part I	Values of customer reliability	722
8.12	Development of methodology and publication of values of customer reliability	722
8A.	Participant Derogations.....	727
Part 1	Derogations Granted to TransGrid	727
8A.1	[Deleted].....	727
Part 2	Derogations Granted to EnergyAustralia	727
8A.2	[Deleted].....	727
8A.2A	[Deleted].....	727
Part 3	[Deleted].....	727
Part 4	[Deleted].....	727
Part 5	[Deleted].....	727
Part 6	Derogations Granted to Victorian Market Participants	727
Part 7	[Deleted].....	728
Part 8	[Deleted].....	728
Part 9	[Deleted].....	728
Part 10	[Deleted].....	728
Part 11	[Deleted].....	728
Part 12	[Deleted].....	728
Part 13	Derogation granted to Aurora Energy (Tamar Valley) Pty Ltd	728
8A.13	[Deleted].....	728
Part 14	Derogations granted to Ausgrid, Endeavour Energy and Essential Energy.....	728
8A.14	Derogations from Chapter 6 for the current regulatory control period and subsequent regulatory control period	728
8A.14.1	Definitions	728
8A.14.2	Expiry date.....	732
8A.14.3	Application of Rule 8A.14.....	732
8A.14.4	Recovery of revenue across the current regulatory control period and subsequent regulatory control period.....	733

8A.14.5	Recovery of revenue in subsequent regulatory control period only and no reopening of subsequent distribution determination required.....	734
8A.14.6	Recovery of revenue in subsequent regulatory control period only and reopening of distribution determination is required.....	735
8A.14.7	Requirements for adjustment determination.....	736
8A.14.8	Application of Chapter 6 under participant derogation	737
Part 15	Derogations granted to ActewAGL.....	738
8A.15	Derogations from Chapter 6 for the current regulatory control period and subsequent regulatory control period	738
8A.15.1	Definitions	738
8A.15.2	Expiry date.....	742
8A.15.3	Application of Rule 8A.15.....	742
8A.15.4	Recovery of revenue across the current regulatory control period and subsequent regulatory control period.....	742
8A.15.5	Recovery of revenue in subsequent regulatory control period only and no reopening of subsequent distribution determination required.....	744
8A.15.6	Recovery of revenue in subsequent regulatory control period only and reopening of distribution determination is required.....	745
8A.15.7	Requirements for adjustment determination.....	747
8A.15.8	Application of Chapter 6 under participant derogation	747
9.	Jurisdictional Derogations and Transitional Arrangements	753
9.1	Purpose and Application.....	753
9.1.1	Purpose	753
9.1.2	Jurisdictional Derogations	753
Part A	Jurisdictional Derogations for Victoria	753
9.2	[Deleted].....	753
9.3	Definitions.....	753
9.3.1	General Definitions.....	753
9.3.2	[Deleted]	755
9.3A	Fault levels.....	755
9.4	Transitional Arrangements for Chapter 2 - Registered Participants, Registration and Cross Border Networks	756
9.4.1	[Deleted]	756
9.4.2	Smelter Trader	756
9.4.3	Smelter Trader: compliance.....	756
9.4.4	Report from AER.....	759
9.4.5	Cross Border Networks.....	759
9.5	Transitional Arrangements for Chapter 3 – Reliability and Emergency Reserve Trader	760
9.5.1	Definition.....	760
9.5.2	Expiry date.....	760
9.5.3	Multi-year Victorian contracts – term and volume.....	760
9.5.4	Multi-year Victorian contracts - reporting.....	760

9.6 Transitional Arrangements for Chapter 4 - System Security761

9.6.1 Operating Procedures (clause 4.10.1)761

9.6.2 Nomenclature Standards (clause 4.12)761

9.7 Transitional Arrangements for Chapter 5 - Network Connection.....762

9.7.1 [Deleted]762

9.7.2 [Deleted]762

9.7.3 [Deleted]762

9.7.4 Regulation of Distribution Network Connection762

9.7.5 [Deleted]763

9.7.6 [Deleted]763

9.7.7 [Deleted]763

9.8 Transitional Arrangements for Chapter 6 - Network Pricing.....763

9.8.1 [Deleted]763

9.8.2 [Deleted]763

9.8.3 [Deleted]763

9.8.4 Transmission Network Pricing763

9.8.4A [Deleted]764

9.8.4B [Deleted]764

9.8.4C [Deleted]764

9.8.4D [Deleted]764

9.8.4E [Deleted]764

9.8.4F [Deleted]764

9.8.4G [Deleted]764

9.8.5 [Deleted]764

9.8.6 [Deleted]764

9.8.7 Distribution network pricing – transitional application of former Chapter 6.....764

9.8.8 Exclusion of AER's power to aggregate distribution systems and parts of distribution systems765

9.9 Transitional Arrangements for Chapter 7 - Metering766

9.9.1 Metering Installations To Which This Schedule Applies766

9.9.2 [Deleted]766

9.9.3 [Deleted]766

9.9.4 [Deleted]766

9.9.5 [Deleted]766

9.9.6 [Deleted]766

9.9.7 [Deleted]766

9.9.8 [Deleted]766

9.9.9 Periodic Energy Metering (clause 7.9.3)766

9.9.10 Use of Alternate Technologies (clause 7.13).....766

9.9A [Deleted].....767

9.9B [Deleted].....767

9.9C [Deleted].....767

1. Interpretation of tables767

2. Continuing effect767

3. Subsequent agreement768

4. [Deleted]768

5.	Reactive Power Capability (clause S5.2.5.1 of schedule 5.2)	768
6.	[Deleted]	769
7.	[Deleted]	769
8.	[Deleted]	769
9.	[Deleted]	769
10.	[Deleted]	769
11.	[Deleted]	769
12.	[Deleted]	769
13.	Governor Systems (load control) (clause S5.2.5.11 of schedule 5.2).....	769
14.	[Deleted]	769
15.	[Deleted]	769
16.	Excitation Control System (clause S5.2.5.13 of schedule 5.2).....	769
Part B	Jurisdictional Derogations for New South Wales	770
9.10	[Deleted].....	770
9.11	Definitions.....	770
9.11.1	Definitions used in this Part B	770
9.12	Transitional Arrangements for Chapter 2 - Generators, Registered Participants, Registration and Cross Border Networks.....	771
9.12.1	[Deleted]	771
9.12.2	Customers	771
9.12.3	Power Traders.....	771
9.12.4	Cross Border Networks.....	774
9.13	[Deleted].....	775
9.14	Transitional Arrangements for Chapter 4 - System Security	775
9.14.1	Power System Operating Procedures.....	775
9.15	NSW contestable services for Chapter 5A.....	775
9.15.1	Definitions	775
9.15.2	Chapter 5A not to apply to certain contestable services.....	775
9.16	Transitional Arrangements for Chapter 6 - Network Pricing.....	775
9.16.1	NSW contestable services.....	775
9.16.2	[Deleted]	775
9.16.3	Jurisdictional Regulator	775
9.16.4	Deemed Regulated Interconnector.....	776
9.16.5	[Deleted]	776
9.17	Transitional Arrangements for Chapter 7 - Metering	776
9.17.1	Extent of Derogations	776
9.17.2	Initial Registration (clause 7.1.2).....	776
9.17.3	Amendments to Schedule 9G1	776
9.17.4	Compliance with AS/NZ ISO 9002 (clause S7.4.3(f) of schedule 7.4).....	777
9.17A	[Deleted].....	777
9.18	[Deleted].....	777
Part C	Jurisdictional Derogations for the Australian Capital Territory.....	777
9.19	[Deleted].....	777

9.20	Definitions and Transitional Arrangements for Cross-Border Networks.....	777
9.20.1	Definitions	777
9.20.2	Cross Border Networks.....	777
9.21	[Deleted].....	778
9.22	[Deleted].....	778
9.23	Transitional Arrangements for Chapter 6 - Network Pricing.....	778
9.23.1	[Deleted]	778
9.23.2	[Deleted]	778
9.23.3	[Deleted].....	778
9.23.4	[Deleted]	778
9.24	Transitional Arrangements.....	778
9.24.1	Chapter 7 - Metering.....	778
9.24.2	[Deleted]	778
9.24A	[Deleted].....	778
Part D	Jurisdictional Derogations for South Australia	778
9.25	Definitions.....	778
9.25.1	[Deleted]	778
9.25.2	Definitions	778
9.26	Transitional Arrangements for Chapter 2 - Registered Participants, Registration And Cross Border Networks.....	781
9.26.1	Registration as a Generator.....	781
9.26.2	Registration as a Customer	782
9.26.3	Cross Border Networks.....	782
9.26.4	[Deleted]	782
9.26.5	Registration as a Network Service Provider	782
9.27	[Deleted].....	783
9.28	Transitional Arrangements for Chapter 5 - Network Connection.....	783
9.28.1	Application of clause 5.2	783
9.28.2	[Deleted]	784
9.29	Transitional Arrangements for Chapter 6 - Economic Regulation of Distribution Services	784
9.29.1	[Deleted]	784
9.29.2	[Deleted]	784
9.29.3	[Deleted]	784
9.29.4	[Deleted]	784
9.29.5	Distribution Network Pricing – South Australia	784
9.29.6	Capital contributions, prepayments and financial guarantees	785
9.29.7	Ring fencing.....	785
9.29A	Monitoring and reporting	785
9.30	Transitional Provisions	786
9.30.1	Chapter 7 - Metering.....	786
Part E	Jurisdictional Derogations for Queensland.....	786

9.31	[Deleted]	786
9.32	Definitions and Interpretation	786
9.32.1	Definitions	786
9.32.2	Interpretation.....	789
9.33	Transitional Arrangements for Chapter 1	789
9.33.1	[Deleted]	789
9.34	Transitional Arrangements for Chapter 2 - Registered Participants and Registration	789
9.34.1	Application of the Rules in Queensland (clauses 2.2 and 2.5)	789
9.34.2	Stanwell Cross Border Leases (clause 2.2).....	789
9.34.3	[Deleted]	789
9.34.4	Registration as a Customer (clause 2.3.1)	789
9.34.5	There is no clause 9.34.5	790
9.34.6	Exempted generation agreements (clause 2.2)	790
9.35	[Deleted]	794
9.36	[Deleted]	794
9.37	Transitional Arrangements for Chapter 5 - Network Connection	794
9.37.1	[Deleted]	794
9.37.2	Existing connection and access agreements (clause 5.2).....	794
9.37.3	[Deleted]	795
9.37.4	[Deleted]	795
9.37.5	Forecasts for connection points to transmission network (clause 5.11.1).....	795
9.37.6	There is no clause 9.37.6	795
9.37.7	Cross Border Networks.....	795
9.37.8	[Deleted]	796
9.37.9	Credible contingency events (clause S5.1.2.1 of schedule 5.1).....	796
9.37.10	Reactive power capability (clause S5.2.5.1 of schedule 5.2)	796
9.37.11	[Deleted]	797
9.37.12	Voltage fluctuations (clause S5.1.5 of schedule 5.1).....	797
9.37.13	[Deleted]	799
9.37.14	[Deleted]	799
9.37.15	[Deleted]	799
9.37.16	[Deleted]	799
9.37.17	[Deleted]	799
9.37.18	[Deleted]	799
9.37.19	Generating unit response to disturbances (clause S5.2.5.3 of schedule 5.2).....	799
9.37.20	[Deleted]	799
9.37.21	Excitation control system (clause S.5.2.5.13 of schedule 5.2)	799
9.37.22	[Deleted]	800
9.37.23	Annual forecast information for planning purposes (schedule 5.7).....	800
9.38	Transitional Arrangements for Chapter 6 - Network Pricing	800
9.38.1	[Deleted]	800
9.38.2	[Deleted]	800
9.38.3	[Deleted]	800

9.38.4 Interconnectors between regions800

9.38.5 Transmission pricing for exempted generation agreements800

9.39 Transitional Arrangements for Chapter 7 - Metering801

9.39.1 Metering installations to which this clause applies801

9.39.2 [Deleted]802

9.39.3 [Deleted]802

9.39.4 [Deleted]802

9.39.5 [Deleted]802

9.40 Transitional Arrangements for Chapter 8 - Administration Functions802

9.40.1 [Deleted]802

9.40.2 [Deleted]802

9.40.3 [Deleted]802

9.41 [Deleted].....802

Part F Jurisdictional Derogations for Tasmania803

9.42 Definitions and interpretation803

9.42.1 Definitions803

9.42.2 Interpretation.....804

9.42.3 National grid, power system and related expressions.....804

9.43 [Deleted].....805

9.44 Transitional arrangements for Chapter 2 – Registered Participants and Registration - Customers (clause 2.3.1(e)).....805

9.45 Tasmanian Region (clause 3.5)805

9.47 Transitional arrangements for Chapter 5- Network Connection805

9.47.1 Existing Connection Agreements805

9.48 Transitional arrangements - Transmission and Distribution Pricing.....805

9.48.4A Ring fencing.....805

9.48.4B Uniformity of tariffs for small customers806

9.48.5 Transmission network.....806

9.48.6 Deemed regulated interconnector806

Part G Schedules to Chapter 9806

1. Introduction.....806

2. [Deleted]806

3. General Principle806

4. [Deleted]807

5. Accuracy Requirements.....807

6. [Deleted]807

7. [Deleted]807

8. [Deleted]807

9. [Deleted]807

10. [Deleted]807

10. Glossary.....811

11. Savings and Transitional Rules.....933

Part ZZJ Demand management incentive scheme933

11.82 Rules consequential on making of the National Electricity Amendment (Demand management incentive scheme) Rule 2015933

11.82.1 Definitions933

11.82.2 AER to develop and publish the demand management incentive scheme and demand management innovation allowance mechanism933

Part ZZM Common definitions of distribution reliability measures933

11.85 Rules consequential on the making of the National Electricity Amendment (Common definitions of distribution reliability measures) Rule 2015933

11.85.1 Definitions933

11.85.2 Distribution reliability measures guidelines934

11.85.3 Amended STPIS934

11.86.8 Distribution Ring Fencing Guidelines934

Part ZZU Rate of Return Guidelines Review934

11.93 Rules consequential on the making of the National Electricity Amendment (Rate of Return Guidelines Review) Rule 2016934

11.93.1 Definitions934

11.93.2 Application of current rate of return guidelines to making of a distribution determination for the subsequent regulatory control period935

Part ZZV Demand Response Mechanism and Ancillary Services Unbundling.....936

11.94 Rules consequential on the making of the National Electricity Amendment (Demand Response Management and Ancillary Services Unbundling) rule 2016.....936

11.94.1 Definitions936

11.94.2 Participant fees for Market Ancillary Service Providers936

Part ZZW Local Generation Network Credits936

11.95 Rules consequential on the making of the National Electricity Amendment (Local Generation Network Credits) Rule 2016936

11.95.1 Definitions936

11.95.2 System limitation template936

Part ZZY Emergency Frequency Control Schemes.....937

11.97 Rules consequent on the making of the National Electricity Amendment (Emergency frequency control schemes) Rule 2017937

11.97.1 Definitions937

11.97.2 Interim frequency operating standards for protected events.....937

11.97.3 First power system frequency risk review938

11.97.4 AEMO must review existing load shedding procedures938

11.97.5 Load shedding procedures938

Part ZZZ Transmission Connection and Planning Arrangements939

11.98	Rules consequential on the making of the National Electricity Amendment (Transmission Connection and Planning Arrangements) Rule 2017	939
11.98.1	Definitions	939
11.98.2	Grandfathering of existing dedicated connection assets.....	940
11.98.3	Preparatory steps for registration changes under the Amending Rule.....	940
11.98.4	Participant fees for Dedicated Connection Asset Service Providers	941
11.98.5	Existing Connection Agreements	941
11.98.6	Connection process	941
11.98.7	Transmission Annual Planning Report.....	942
11.98.8	Preservation for adoptive jurisdictions	942
Part ZZZA	Replacement expenditure planning arrangements.....	942
11.99	Rules consequential on the making of the National Electricity Amendment (Replacement expenditure planning arrangements) Rule 2017	942
11.99.1	Definitions	942
11.99.2	Interpretation.....	943
11.99.3	Transitional arrangements for affected DNSPs	944
11.99.4	Amendments to RIT documentation.....	944
11.99.5	Transitional arrangements relating to excluded projects	944
11.99.6	Transitional arrangements relating to Victorian bushfire mitigation projects.....	944
11.99.7	Transitional arrangements relating to review of costs thresholds.....	945
Part ZZZB	Managing the rate of change of power system frequency	945
11.100	Rules consequential on the making of the National Electricity Amendment (Managing the rate of change of power system frequency) Rule 2017	945
11.100.1	Definitions	945
11.100.2	Inertia sub-networks	946
11.100.3	Inertia requirements methodology	946
11.100.4	Inertia requirements	946
11.100.5	NSCAS not to be used to meet an inertia shortfall after 1 July 2019	947
11.100.6	Inertia network services may be used to meet an NSCAS gap declared in the NSCAS transition period.....	947
11.100.7	Inertia network services made available before the commencement date.....	948
Part ZZZC	Managing power system fault levels	948
11.101	Rules consequential on the making of the National Electricity Amendment (Managing power system fault levels) Rule 2017.....	948
11.101.1	Definitions	948
11.101.2	System strength impact assessment guidelines.....	950
11.101.3	System strength requirements methodology.....	950
11.101.4	System strength requirements.....	950
11.101.5	NSCAS not to be used to meet a fault level shortfall after 1 July 2019	951
11.101.6	System strength services may be used to meet an NSCAS gap declared in the NSCAS transition period.....	951

11.101.7	Withdrawal of a system strength-related NSCAS gap already declared.....	952
11.101.8	System strength services made available before the commencement date.....	952
Part ZZZD	Generating System Model Guidelines.....	952
11.102	Making of Power System Model Guidelines	952
Part ZZZE	Five Minute Settlement	952
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	952
11.103.1	Definitions	952
11.103.2	Amendments to procedures	953
11.103.3	Exemption for certain metering installations.....	954
11.103.4	New or replacement meters	954
11.103.5	Metering installations exempt from metering data provision requirements	955
11.103.6	Exemption from meter data storage requirements.....	955
11.103.7	Default offers and bids submitted prior to the commencement date	955
Part ZZZF	Contestability of energy services	955
11.104	Rules consequential on the making of the National Electricity Amendment (Contestability of energy services) Rule 2017	955
11.104.1	Definitions	955
11.104.2	New guidelines	957
11.104.3	Transitional arrangements for application of Distribution Service Classification Guidelines and service classification provisions	957
11.104.4	Transitional arrangements for application of Asset Exemption Guidelines, exemption applications and asset exemption decisions.....	957
11.104.5	Transitional arrangements for adjustment in value of regulatory asset base	959
Part ZZZG	Declaration of lack of reserve conditions.....	959
11.105	Making of lack of reserve declaration guidelines	959
11.105.1	Definitions	959
11.105.2	Making of lack of reserve declaration guidelines.....	959
Part ZZZH	Implementation of demand management incentive scheme	959
11.106	Implementation of demand management incentive scheme	959
11.106.1	Definitions	959
11.106.2	Purpose	960
11.106.3	Early application of revised demand management incentive scheme	960
Part ZZZI	Reinstatement of long notice Reliability and Emergency Reserve Trader.....	961
11.107	Rules consequential on the making of the National Electricity Amendment (Reinstatement of long notice Reliability and Emergency Reserve Trader) Rule 2018.....	961
11.107.1	Definitions	961

11.107.2 New RERT guidelines962

11.107.3 Amendments to RERT procedures965

11.107.4 Reserve contracts entered into before the commencement date965

Part ZZZJ Register of distributed energy resources965

11.108 Rules consequential on the making of the National Electricity Amendment (Register of distributed energy resources) Rule 2018965

11.108.1 Definitions965

11.108.2 AEMO to develop and publish DER register information guidelines966

11.108.3 NSPs to provide AEMO with existing DER generation information966

Part ZZZK Generator technical performance standards966

11.109 Rules consequential on the making of the National Electricity Amendment (Generator technical performance standards) Rule 2018966

11.109.1 Definitions966

11.109.2 Application of the Amending Rule to existing connection enquiries967

11.109.3 Application of the Amending Rule to existing applications to connect968

11.109.4 Application of the Amending Rule to existing offers to connect970

11.109.5 Application of the Amending Rule to Existing Connection Agreements970

Part ZZZL Generator three year notice of closure971

11.110 Rules consequential on the making of the National Electricity Amendment (Generator three year notice of closure) Rule 2018.....971

11.110.1 Definitions971

11.110.2 AER to develop and publish notice of closure exemption guideline.....971

11.110.3 Application of Amending Rule to AEMO971

11.110.4 Application of Amending Rule to Generators971

Part ZZZM Participant compensation following market suspension972

11.111 Rules consequential on the making of the National Electricity Amendment (Participant compensation following market suspension) Rule 2018.....972

11.111.1 Definitions972

11.111.2 Market suspension compensation methodology and schedule of benchmark values972

Part ZZZN Global settlement and market reconciliation972

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 2020972

11.112.1 Definitions972

11.112.2 Amendments to AEMO procedures.....973

11.112.3 AEMO to publish report on unaccounted for energy trends.....973

11.112.4 Continuation of registration for non-market generators973

11.112.5 Publication of UFE data by AEMO973

11.112.6 Publication of UFE reporting guidelines974

Part ZZZO Metering installation timeframes974

11.113 Rules consequential on making of the National Electricity Amendment (Metering installation timeframes) Rule 2018974

11.113.1 Definitions974

11.113.2 Timeframes for meters to be installed974

Part ZZZP Early implementation of ISP priority projects975

11.114 National Electricity Amendment (Early implementation of ISP priority projects) Rule 2019975

11.114.1 Definitions975

11.114.2 Modifications to clause 5.16.6 for ISP VNI and QNI projects.....976

11.114.3 Modifications to clause 6A.8.2 for ISP projects.....977

Part ZZZQ Enhancement to the Reliability and Emergency Reserve Trader979

11.115 Rules consequential on the making of the National Electricity Amendment (Enhancement to the reliability and emergency reserve trader) Rule 2019979

11.115.1 Definitions979

11.115.2 New RERT guidelines980

11.115.3 Amendments to RERT procedures980

11.115.4 Reserve contracts entered into before the commencement date980

11.115.5 Clause 3.20.6 (Reporting on RERT by AEMO).....980

Part ZZZR Retailer Reliability Obligation.....980

11.116 Rules consequential on the making of the National Electricity Amendment (Retailer Reliability Obligation) Rule 2019.....980

11.116.1 Application980

11.116.2 Reliability Instrument Guidelines981

11.116.3 Forecasting Best Practice Guidelines981

11.116.4 Reliability Forecast Guidelines.....981

11.116.5 AER Opt-in Guidelines.....982

11.116.6 Contracts and Firmness Guidelines982

11.116.7 Qualifying contracts under interim Contracts and Firmness Guidelines982

11.116.8 Grandfathering arrangements982

11.116.9 Reliability Compliance Procedures and Guidelines983

11.116.10 MLO Guidelines984

11.116.11 Application of Part G, Divisions 2 – 6 (inclusive)984

11.116.12 Interim deeming of MLO generators and MLO groups985

11.116.13 MLO information template.....991

11.116.14 Initial MLO register992

11.116.15 Approved MLO products list.....992

11.116.16 Designated MLO exchange992

11.116.17 Five minute settlement intervals992

11.116.18 Review by AEMC.....992

Part ZZZS Transparency of new projects993

11.117 Rules consequential on the making of the National Electricity Amendment (Transparency of new projects) Rule 2019.....993

11.117.1 Definitions993

11.117.2	Generation information page	993
11.117.3	Generation information guidelines	993
11.117.4	Provision and use of information.....	994
Part ZZZT	Demand management incentive scheme and innovation allowance for TNSPs.....	994
11.118	Rules consequential on the making of the National Electricity Amendment (Demand management incentive scheme and innovation allowance for TNSPs) Rule 2019	994
11.118.1	Definitions	994
11.118.2	AER to develop and publish the demand management innovation allowance mechanism	994
Part ZZZU	Application of the regional reference node test to the Reliability and Emergency Reserve Trader	995
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	995
11.119.1	Definitions	995
11.119.2	AEMO intervention event in effect on commencement date	995
Part ZZZV	Improving Transparency and Extending Duration of MT PASA	995
11.120	Rules consequential on the making of the National Electricity Amendment (Improving transparency and extending duration of MT PASA) Rule 2020.....	995
11.120.1	AEMO to update spot market operations timetable	995
Part ZZZW	Victorian jurisdictional derogation – RERT contracting	995
11.121	Rules consequential on the making of the National Electricity Amendment (Victorian jurisdictional derogation - RERT contracting) Rule 2020	995
11.121.1	Definitions	995
11.121.2	Procedures.....	996
Part ZZZX	Mandatory primary frequency response.....	996
11.122	Rules consequential on the making of the National Electricity Amendment (Mandatory primary frequency response) Rule 2020	996
11.122.1	Definitions	996
11.122.2	Interim Primary Frequency Response Requirements	996
11.122.3	Action taken prior to commencement.....	997
Part ZZZY	System restart services, standards and testing.....	997
11.123	Rules consequential on the making of the National Electricity Amendment (System restart services, standards and testing) Rule 2020	997
11.123.1	Definitions	997
11.123.2	SRAS Guideline.....	997
11.123.3	System restart standard	998
11.123.4	Communication protocols.....	998

11.123.5	System restart tests	998
Part ZZZZ	Introduction of metering coordinator planned interruptions	998
11.124	Rules consequential on the making of the National Electricity Amendment (Introduction of metering coordinator planned interruptions) Rule 2020	998
11.124.1	Definitions	998
11.124.2	Amendments of the metrology procedure	999
11.124.3	Market Settlement and Transfer Solutions Procedures	999
11.124.4	Requirements of the metrology procedure	999
Part ZZZZA	Wholesale demand response	999
11.125	Rules consequential on the making of the National Electricity Amendment (Wholesale demand response mechanism) Rule 2020	999
11.125.1	Definitions	999
11.125.2	Wholesale demand response guidelines	1000
11.125.3	Baseline methodologies	1001
11.125.4	Wholesale demand response participation guidelines	1001
11.125.5	Extension of time for registration and aggregation	1001
11.125.6	Amendments to AEMO, AER and AEMC documents	1001
11.125.7	Amendments to the demand side participation information guidelines	1002
11.125.8	Amendment to RERT guidelines	1002
11.125.9	Renaming of Market Ancillary Service Providers	1003
11.125.10	Wholesale demand response annual reporting	1003
Part ZZZZB	Integrated System Plan Rules	1003
11.126	Rules consequential on the making of the National Electricity Amendment (Integrated System Plan) Rule 2020	1003
11.126.1	Definitions	1003
11.126.2	2020 Integrated System Plan	1004
11.126.3	Existing actionable ISP projects	1004
11.126.4	Existing actionable ISP projects at the clause 5.16.6 stage	1004
11.126.5	Existing actionable ISP projects prior to the clause 5.16.6 stage	1005
11.126.6	Existing RIT-T proponent has published a PSCR but not a PADR	1005
11.126.7	Cost Benefit Analysis Guidelines	1006
11.126.8	Forecasting Best Practice Guidelines	1006
11.126.9	Methodologies and reports	1006
11.126.10	AEMC review of ISP framework	1006
11A.	NT Savings and Transitional Rules	1011
Part A	Savings and transitional rules for Chapter 5	1011
11A.1	Chapter 5 provisions	1011
Part B	Savings and transitional rules for Chapter 5A	1011
11A.2	Model standing offers	1011
11A.2.1	Definitions	1011
11A.2.2	Extended meaning of some terms	1012

11A.2.3 Transitional operation of relevant provisions1012
11A.2.4 Exclusions, qualifications and modifications1012
11A.2.5 References.....1013
Part C Savings and transitional rules for Chapter 7A1013
11A.3 Existing metering installations1014
11A.4 Testing metering installations.....1014
11A.5 Metering data services database and related requirements1015
11A.6 Communication guideline1016
11A.7 Timeframes for meters to be installed1016