

National Electricity Rules As in force in the Northern Territory Version 72

Historical Information

This version of the National Electricity Rules As in force in the Northern Territory was current from 27 May 2021 to 2 June 2021.

National Electricity Rules As in force in the Northern Territory

Version 72

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 27 May 2021.

This consolidated version of the NT NER reflects the current version of the National Electricity Rules (version 165) 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

1.3.1A1 Definitions3

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 Interpretation.....5

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 days.....8

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	Definitions	29
4A.A.2	Forecast reliability gap materiality	32
4A.A.3	One-in-two year peak demand forecast	32
4A.A.4	Peak demand	33
Part B	Reliability Forecasts	33
4A.B.1	Reliability forecast.....	33
4A.B.2	Reliability forecast components	34
4A.B.3	Supporting materials	34
4A.B.4	Reliability Forecast Guidelines.....	34
4A.B.5	AER Forecasting Best Practice Guidelines	36
Part C	Reliability Instruments.....	36
Division 1	AEMO request for a reliability instrument.....	36
4A.C.1	AEMO request for a reliability instrument	36
4A.C.2	AEMO request for a T-3 reliability instrument	36
4A.C.3	AEMO request for a T-1 reliability instrument	37
4A.C.4	Related T-3 reliability instrument.....	37
4A.C.5	Notification of a closed forecast reliability gap at T-1	38
4A.C.6	Corrections to a request	38
4A.C.7	Withdrawing a request	38
Division 2	AER making of a reliability instrument	39
4A.C.8	AER making of a reliability instrument.....	39
4A.C.9	When a decision by the AER must be made.....	39
4A.C.10	T-1 reliability instrument components.....	39
4A.C.11	AER decision making criteria.....	39
4A.C.12	Reliability Instrument Guidelines	40
Part D	Liabile Entities	40
4A.D.1	Application	40
4A.D.2	Liabile entities.....	40
4A.D.3	New entrants	41
4A.D.4	Application to register as large opt-in customer	41
4A.D.5	Application to register as prescribed opt-in customer	42
4A.D.6	Thresholds.....	43
4A.D.7	Opt-in cut-off day	43
4A.D.8	AER approval of applications.....	43
4A.D.9	AER opt-in register	44
4A.D.10	Changes to register	44
4A.D.11	AER register taken to be correct.....	45
4A.D.12	AEMO Opt-In Procedures	45
4A.D.13	AER Opt-In Guidelines	45
Part E	Qualifying Contracts and Net Contract Position.....	46
Division 1	Key concepts.....	46
4A.E.1	Qualifying contracts.....	46
4A.E.2	Net contract position.....	47
Division 2	Firmness methodologies	48
4A.E.3	Firmness methodology.....	48
4A.E.4	Types of methodologies.....	48
4A.E.5	Approval of a bespoke firmness methodology	48

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.....	53
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.....	55
4A.F.6	Reliability Compliance Procedures and Guidelines	55
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	58
Division 3	Trading groups.....	58
4A.G.5	Trading group	58
4A.G.6	Controlling entity.....	59
Division 4	Traced capacity and trading group capacity	61
4A.G.7	Traced capacity	61
4A.G.8	Tracing capacity to trading groups	61
4A.G.9	Trading group capacity	61
Division 5	MLO generators and MLO groups.....	62
4A.G.10	MLO group	62
4A.G.11	MLO generator	62
Division 6	Market Generator information	62
4A.G.12	MLO register	62
4A.G.13	Market Generator information	63
4A.G.14	Applications to the AER.....	64

Division 7	Liquidity period	65
4A.G.15	Notices prior to a liquidity period.....	65
4A.G.16	Duration of liquidity period	65
Division 8	Liquidity obligation	66
4A.G.17	Liquidity obligation	66
4A.G.18	Performing a liquidity obligation.....	66
4A.G.19	Volume limits	68
4A.G.20	Appointment of MLO nominee	68
4A.G.21	Exemptions	69
Division 9	MLO products and MLO exchange	70
4A.G.22	MLO products.....	70
4A.G.23	MLO exchange	71
Division 10	Miscellaneous	72
4A.G.24	MLO compliance and reporting.....	72
4A.G.25	MLO Guidelines	72
Part H	Voluntary Book Build.....	73
4A.H.1	Purpose and application.....	73
4A.H.2	Book Build Procedures	73
4A.H.3	Commencement of voluntary book build	74
4A.H.4	Participation in the voluntary book build	74
4A.H.5	Book build fees	75
4A.H.6	Reporting	75
5.	Network Connection Access, Planning and Expansion	79
Part A	Introduction.....	79
5.1	Introduction to Chapter 5	79
5.1.1	Structure of this Chapter	79
5.1.2	Overview of Part B and connection and access under the Rules.....	79
5.1.3	Definitions	82
Part B	Network Connection and Access	83
5.1A	Introduction to Part B	83
5.1A.1	Purpose and Application.....	83
5.1A.2	Principles	85
5.1A.3	Dedicated connection asset service providers	85
5.2	Obligations.....	86
5.2.1	Obligations of Registered Participants	86
5.2.2	Connection agreements.....	86
5.2.3	Obligations of network service providers.....	87
5.2.3A	Obligations of Market Network Service Providers	92
5.2.4	Obligations of customers	93
5.2.5	Obligations of Generators.....	95
5.2.6	Obligations of AEMO.....	96
5.2.6A	AEMO review of technical requirements for connection.....	97
5.2.7	Obligations of Dedicated Connection Asset Service Providers	98
5.2A	Transmission network connection and access.....	99

5.2A.1	Application	99
5.2A.2	Relevant assets.....	99
5.2A.3	Connection and access to transmission services.....	99
5.2A.4	Transmission services related to connection	101
5.2A.5	Publication and provision of information	104
5.2A.6	Negotiating principles.....	105
5.2A.7	Third party IUSAs	105
5.2A.8	Access framework for large dedicated connection assets.....	107
5.3	Establishing or Modifying Connection	109
5.3.1	Process and procedures.....	109
5.3.1A	Application of rule to connection of embedded generating units.....	109
5.3.2	Connection enquiry.....	110
5.3.3	Response to connection enquiry	111
5.3.4	Application for connection	115
5.3.4A	Negotiated access standards	117
5.3.4B	System strength remediation for new connections	120
5.3.5	Preparation of offer to connect	123
5.3.6	Offer to connect	124
5.3.7	Finalisation of connection agreements and network operating agreements	127
5.3.8	Provision and use of information.....	129
5.3.9	Procedure to be followed by a Generator proposing to alter a generating system	130
5.3.10	Acceptance of performance standards for generating plant that is altered	132
5.3.11	Notification of request to change normal voltage.....	133
5.3A	Establishing or modifying connection - embedded generation.....	133
5.3A.A1	Definitions	133
5.3A.1	Application of rule 5.3A	134
5.3A.2	Miscellaneous	134
5.3A.3	Publication of Information.....	135
5.3A.4	Fees	137
5.3A.5	Enquiry	138
5.3A.6	Response to Enquiry	138
5.3A.7	Preliminary Response to Enquiry	139
5.3A.8	Detailed Response to Enquiry	140
5.3A.9	Application for connection	141
5.3A.10	Preparation of offer to connect	142
5.3A.11	Technical Dispute	143
5.3A.12	Network support payments and functions	143
5.3AA	Access arrangements relating to Distribution Networks	144
5.3B	Application for connection to declared shared network	147
5.4	Independent Engineer	148
5.4.1	Application	148
5.4.2	Establishment of a pool	148
5.4.3	Initiating the Independent Engineer process.....	148
5.4.4	Referral to the Adviser.....	149
5.4.5	Proceedings and decisions of the Independent Engineer.....	150

5.4.6	Costs of the Independent Engineer	151
5.4A	[Deleted].....	151
5.4AA	[Deleted].....	151
5.5	Commercial arbitration for prescribed and negotiated transmission services and large DCA services	151
5.5.1	Application	151
5.5.2	Notification of dispute	152
5.5.3	Appointment of commercial arbitrator	152
5.5.4	Procedures of commercial arbitrator.....	153
5.5.5	Powers of commercial arbitrator in determining disputes	153
5.5.6	Determination of disputes	154
5.5.7	Costs of dispute.....	155
5.5.8	Enforcement of agreement or determination and requirement for reasons	156
5.5.9	Miscellaneous	156
5.5A	[Deleted].....	156
Part C	Post-Connection Agreement matters	156
5.6	Design of Connected Equipment	156
5.6.1	Application	156
5.6.2	Advice of inconsistencies	157
5.6.3	Additional information	157
5.6.4	Advice on possible non-compliance	157
5.6A	[Deleted].....	158
5.7	Inspection and Testing	158
5.7.1	Right of entry and inspection.....	158
5.7.2	Right of testing	160
5.7.3	Tests to demonstrate compliance with connection requirements for generators.....	161
5.7.3A	Tests to demonstrate compliance with system strength remediation schemes.....	163
5.7.4	Routine testing of protection equipment.....	164
5.7.5	Testing by Registered Participants of their own plant requiring changes to normal operation	166
5.7.6	Tests of generating units requiring changes to normal operation.....	168
5.7.7	Inter-network power system tests	169
5.7.8	Contestable IUSA components.....	175
5.8	Commissioning.....	175
5.8.1	Requirement to inspect and test equipment	175
5.8.2	Co-ordination during commissioning	176
5.8.3	Control and protection settings for equipment	176
5.8.4	Commissioning program	177
5.8.5	Commissioning tests	178
5.9	Disconnection and Reconnection.....	178
5.9.1	Voluntary disconnection	178
5.9.2	Decommissioning procedures.....	179
5.9.3	Involuntary disconnection	179

5.9.4	Direction to disconnect	180
5.9.4A	Notification of disconnection	181
5.9.5	Disconnection during an emergency	181
5.9.6	Obligation to reconnect.....	181
Part D	Network Planning and Expansion.....	182
5.10	Network development generally	182
5.10.1	Content of Part D	182
5.10.2	Definitions	183
5.10.3	Interpretation.....	188
5.11	Forecasts of connection to transmission network and identification of system limitations.....	188
5.11.1	Forecasts for connection to transmission network.....	188
5.11.2	Identification of network limitations	189
5.12	Transmission annual planning process.....	190
5.12.1	Transmission annual planning review	190
5.12.2	Transmission Annual Planning Report.....	191
5.13	Distribution annual planning process.....	195
5.13.1	Distribution annual planning review	195
5.13.2	Distribution Annual Planning Report	196
5.13.3	Distribution system limitation template.....	197
5.13A	Distribution zone substation information.....	198
5.14	Joint planning.....	201
5.14.1	Joint planning obligations of Transmission Network Service Providers and Distribution Network Service Providers.....	201
5.14.2	Joint planning obligations of Distribution Network Service Providers and Distribution Network Service Providers.....	202
5.14.3	Joint planning obligations of Transmission Network Service Providers	203
Clause 5.14.4	Joint ISP planning by Transmission Network Service Providers and AEMO.....	203
5.14A	Joint planning in relation to retirement or de-ratings of network assets forming part of the Declared Shared Network	204
5.14B	TAPR Guidelines	204
5.14B.1	Development of TAPR Guidelines	204
5.15	Regulatory investment tests generally	204
5.15.1	Interested parties	204
5.15.2	Identification of a credible option.....	205
5.15.3	Review of costs thresholds	206
5.15.4	Costs determinations.....	208
5.15A	Regulatory investment test for transmission.....	208
5.15A.1	General principles and application	208
5.15A.2	Principles for RIT-T projects which are not actionable ISP projects	209
5.15A.3	Principles for actionable ISP projects.....	211
5.16	Application of RIT-T to RIT-T projects which are not actionable ISP projects.....	213

5.16.1 Application213

5.16.2 Regulatory investment test for transmission application guidelines213

5.16.3 Investments subject to the regulatory investment test for transmission215

5.16.4 Regulatory investment test for transmission procedures217

5.16.5 [Deleted]224

5.16.6 [Deleted]224

5.16A Application of the RIT-T to actionable ISP Projects224

5.16A.1 Application224

5.16A.2 Cost Benefit Analysis Guidelines224

5.16A.3 Actionable ISP projects subject to the RIT-T224

5.16A.4 Regulatory investment test for transmission procedures225

5.16A.5 Actionable ISP project trigger event.....228

5.16B Disputes in relation to application of regulatory investment test for transmission228

5.17 Regulatory investment test for distribution231

5.17.1 Principles231

5.17.2 Regulatory investment test for distribution application guidelines233

5.17.3 Projects subject to the regulatory investment test for distribution234

5.17.4 Regulatory investment test for distribution procedures236

5.17.5 Disputes in relation to application of regulatory investment test for distribution241

5.18 Construction of funded augmentations242

5.18A Generator connections.....243

5.18A.1 Definitions243

5.18A.2 Register of generator connections244

5.18A.3 Impact assessment of large generator connections244

5.18B Completed embedded generation projects246

5.18B.1 Definitions246

5.18B.2 Register of completed embedded generation projects246

5.19 SENE Design and Costing Study246

5.19.1 Definitions246

5.19.2 Interpretation.....247

5.19.3 Request for SENE Design and Costing Study247

5.19.4 Content of SENE Design and Costing Study248

5.19.5 Co-operation of other Network Service Providers249

5.19.6 Publication of SENE Design and Costing Study report250

5.19.7 Provision and use of information.....250

5.20 System security reports251

5.20.1 Definitions251

5.20.2 Publication of NSCAS methodology251

5.20.3 Publication of NSCAS Report251

5.20.4 Inertia requirements methodology252

5.20.5 Publication of Inertia Report252

5.20.6 Publication of system strength requirements methodologies252

5.20.7 Publication of System Strength Report.....253

5.20A	Frequency management planning	254
5.20A.1	Power system frequency risk review	254
5.20A.2	Power system frequency risk review process	255
5.20A.3	Power system frequency risk review report.....	255
5.20A.4	Request for protected event declaration.....	256
5.20A.5	Request to revoke a protected event declaration	256
5.20B	Inertia sub-networks and requirements	257
5.20B.1	Boundaries of inertia sub-networks	257
5.20B.2	Inertia requirements	257
5.20B.3	Inertia shortfalls	258
5.20B.4	Inertia Service Provider to make available inertia services.....	259
5.20B.5	Inertia support activities	261
5.20B.6	Inertia network services information and approvals.....	262
5.20C	System strength requirements	264
5.20C.1	System strength requirements	264
5.20C.2	Fault level shortfalls	265
5.20C.3	System Strength Service Provider to make available system strength services.....	265
5.20C.4	System strength services information and approvals.....	267
5.21	AEMO's obligation to publish information and guidelines and provide advice	269
5.22	Integrated System Plan	271
5.22.1	Duty of AEMO to make Integrated System Plan	271
5.22.2	Purpose of the ISP	271
5.22.3	Power system needs	271
5.22.4	ISP timetable.....	271
5.22.5	Guidelines relevant to the ISP	272
5.22.6	Content of Integrated System Plan	273
5.22.7	ISP consumer panel	275
5.22.8	Preliminary consultations	276
5.22.9	AER transparency review on Inputs, Assumptions and Scenarios Report	276
5.22.10	Preparation of ISP.....	277
5.22.11	Draft Integrated System Plan.....	279
5.22.12	Non-network options	280
5.22.13	AER transparency review of draft Integrated System Plan	281
5.22.14	Final Integrated System Plan	281
5.22.15	ISP updates	282
5.22.16	ISP database.....	283
5.22.17	Jurisdictional planning bodies and jurisdictional planning representatives	283
5.22.18	NTP Functions	284
5.23	Disputes in relation to an ISP	284
5.23.1	Disputing party	284
5.23.2	Initial AER review	285
5.23.3	Provision of further information.....	285
5.23.4	AER determination	285
5.24	REZ design reports and joint REZ planning	286

5.24.1 REZ design reports286

5.24.2 Joint REZ planning by jurisdictional planning bodies and AEMO289

Schedule 5.1a System standards289

S5.1a.1 Purpose289

S5.1a.2 Frequency290

S5.1a.3 System stability.....290

S5.1a.4 Power frequency voltage290

S5.1a.5 Voltage fluctuations.....291

S5.1a.6 Voltage waveform distortion291

S5.1a.7 Voltage unbalance292

S5.1a.8 Fault clearance times293

Schedule 5.1 Network Performance Requirements to be Provided or Co-ordinated by Network Service Providers294

S5.1.1 Introduction.....294

S5.1.2 Network reliability.....295

S5.1.2.1 Credible contingency events.....295

S5.1.2.2 Network service within a region.....296

S5.1.2.3 Network service between regions.....297

S5.1.3 Frequency variations.....297

S5.1.4 Magnitude of power frequency voltage.....297

S5.1.5 Voltage fluctuations.....298

S5.1.6 Voltage harmonic or voltage notching distortion299

S5.1.7 Voltage unbalance300

S5.1.8 Stability.....301

S5.1.9 Protection systems and fault clearance times302

S5.1.10 Load, generation and network control facilities305

S5.1.10.1 General.....305

S5.1.10.1a Emergency frequency control schemes306

S5.1.10.2 Distribution Network Service Providers.....307

S5.1.10.3 Transmission Network Service Providers307

S5.1.11 Automatic reclosure of transmission or distribution lines.....308

S5.1.12 Rating of transmission lines and equipment.....308

S5.1.13 Information to be provided309

Schedule 5.2 Conditions for Connection of Generators309

S5.2.1 Outline of requirements309

S5.2.2 Application of Settings310

S5.2.3 Technical matters to be coordinated311

S5.2.4 Provision of information.....311

S5.2.5 Technical requirements.....314

S5.2.5.1 Reactive power capability.....314

S5.2.5.2 Quality of electricity generated.....316

S5.2.5.3 Generating system response to frequency disturbances316

S5.2.5.4 Generating system response to voltage disturbances.....319

S5.2.5.5 Generating system response to disturbances following contingency events321

S5.2.5.6 Quality of electricity generated and continuous uninterrupted operation329

S5.2.5.7 Partial load rejection.....329

S5.2.5.8 Protection of generating systems from power system disturbances330

S5.2.5.9	Protection systems that impact on power system security.....	331
S5.2.5.10	Protection to trip plant for unstable operation	333
S5.2.5.11	Frequency control	334
S5.2.5.12	Impact on network capability	337
S5.2.5.13	Voltage and reactive power control	338
S5.2.5.14	Active power control	344
S5.2.6	Monitoring and control requirements	346
S5.2.6.1	Remote Monitoring.....	346
S5.2.6.2	Communications equipment	348
S5.2.7	Power station auxiliary supplies	349
S5.2.8	Fault current.....	350
Schedule 5.3	Conditions for Connection of Customers	351
S5.3.1a	Introduction to the schedule.....	351
S5.3.1	Information	352
S5.3.2	Design standards.....	354
S5.3.3	Protection systems and settings	354
S5.3.4	Settings of protection and control systems	355
S5.3.5	Power factor requirements	356
S5.3.6	Balancing of load currents	357
S5.3.7	Voltage fluctuations.....	357
S5.3.8	Harmonics and voltage notching	358
S5.3.9	Design requirements for Network Users' substations.....	358
S5.3.10	Load shedding facilities	359
Schedule 5.3a	Conditions for connection of Market Network Services	359
S5.3a.1a	Introduction to the schedule.....	359
S5.3a.1	Provision of Information.....	360
S5.3a.2	Application of settings.....	362
S5.3a.3	Technical matters to be co-ordinated.....	363
S5.3a.4	Monitoring and control requirements	363
S5.3a.4.1	Remote Monitoring.....	363
S5.3a.4.2	[Deleted]	364
S5.3a.4.3	Communications equipment	364
S5.3a.5	Design standards.....	365
S5.3a.6	Protection systems and settings	365
S5.3a.7	[Deleted]	366
S5.3a.8	Reactive power capability.....	366
S5.3a.9	Balancing of load currents	367
S5.3a.10	Voltage fluctuations.....	367
S5.3a.11	Harmonics and voltage notching	367
S5.3a.12	Design requirements for Market Network Service Providers' substations.....	368
S5.3a.13	Market network service response to disturbances in the power system	368
S5.3a.14	Protection of market network services from power system disturbances	369
Schedule 5.4	Information to be Provided with Preliminary Enquiry	370
Schedule 5.4A	Preliminary Response.....	370
Schedule 5.4B	Detailed Response to Enquiry.....	372

Schedule 5.5	Technical Details to Support Application for Connection and Connection Agreement.....	374
S5.5.1	Introduction to the schedule.....	375
S5.5.2	Categories of data	375
S5.5.3	Review, change and supply of data	376
S5.5.4	Data Requirements.....	376
S5.5.5	Asynchronous generating unit data	377
S5.5.6	Generating units smaller than 30MW data	377
S5.5.7	Power System Design Data Sheet, Power System Setting Data Sheet and Power System Model Guidelines	377
Schedule 5.5.1	[Deleted]	380
Schedule 5.5.2	[Deleted]	380
Schedule 5.5.3	Network and plant technical data of equipment at or near connection point.....	380
Schedule 5.5.4	Network Plant and Apparatus Setting Data	383
Schedule 5.5.5	Load Characteristics at Connection Point.....	385
Schedule 5.6	Terms and Conditions of Connection agreements and network operating agreements	386
Part A	Connection agreements	386
Part B	Network Operating Agreements	388
Schedule 5.7	Annual Forecast Information for Planning Purposes	388
Schedule 5.8	Distribution Annual Planning Report	390
Schedule 5.9	Demand side engagement document (clause 5.13.1(h)).....	396
Schedule 5.10	Information requirements for Primary Transmission Network Service Providers (clause 5.2A.5)	398
Schedule 5.11	Negotiating principles for negotiated transmission services (clause 5.2A.6)	401
Schedule 5.12	Negotiating principles for large DCA services	403
5A.	Electricity connection for retail customers	407
Part A	Preliminary.....	407
5A.A.1	Definitions	407
5A.A.2	Application of this Chapter.....	410
5A.A.3	Small Generation Aggregator deemed to be agent of a retail customer.....	410
Part B	Standardised offers to provide basic and standard connection services	411
Division 1	Basic connection services	411
5A.B.1	Obligation to have model standing offer to provide basic connection services	411
5A.B.2	Proposed model standing offer for basic connection services.....	411
5A.B.3	Approval of terms and conditions of model standing offer to provide basic connection services	412
Division 2	Standard connection services.....	413

5A.B.4	Standard connection services.....	413
5A.B.5	Approval of model standing offer to provide standard connection services	414
Division 3	Miscellaneous	415
5A.B.6	Amendment etc of model standing offer	415
5A.B.7	Publication of model standing offers	415
Part C	Negotiated connection	416
5A.C.1	Negotiation of connection.....	416
5A.C.2	Process of negotiation.....	416
5A.C.3	Negotiation framework.....	416
5A.C.4	Fee to cover cost of negotiation.....	418
Part D	Application for connection service	419
Division 1	Information	419
5A.D.1	Publication of information.....	419
5A.D.1A	Register of completed embedded generation projects	419
Division 2	Preliminary enquiry	420
5A.D.2	Preliminary enquiry	420
Division 3	Applications.....	421
5A.D.3	Application process	421
5A.D.4	Site inspection.....	422
Part E	Connection charges.....	423
5A.E.1	Connection charge principles	423
5A.E.2	Itemised statement of connection charges	424
5A.E.3	Connection charge guidelines.....	424
5A.E.4	Payment of connection charges	426
Part F	Formation and integration of connection contracts	427
Division 1	Offer and acceptance – basic and standard connection services.....	427
5A.F.1	Distribution Network Service Provider's response to application	427
5A.F.2	Acceptance of connection offer	427
5A.F.3	Offer and acceptance—application for expedited connection.....	428
Division 2	Offer and acceptance – negotiated connection.....	428
5A.F.4	Negotiated connection offer	428
Division 3	Formation of contract.....	429
5A.F.5	Acceptance of connection offer	429
Division 4	Contractual performance.....	429
5A.F.6	Carrying out connection work	429
5A.F.7	Retailer required for energisation where new connection	430
Part G	Dispute resolution between Distribution Network Service Providers and customers	430
5A.G.1	Relevant disputes	430
5A.G.2	Determination of dispute	430
5A.G.3	Termination of proceedings.....	431
Schedule 5A.1	Minimum content requirements for connection contract.....	431
Part A	Connection offer not involving embedded generation	431

Part B	Connection offer involving embedded generation	432
6.	Economic Regulation of Distribution Services	437
Part A	Introduction.....	437
6.0	Operation of Chapter 6 in this jurisdiction	437
6.0A	Interpretation	437
6.1	Introduction to Chapter 6	438
6.1.1	AER's regulatory responsibility	438
6.1.1A	[Deleted]	438
6.1.2	Structure of this Chapter	438
6.1.3	Access to direct control services and negotiated distribution services	439
6.1.4	Prohibition of DUOS charges for the export of energy	440
Part B	Classification of Distribution Services and Distribution Determinations	440
6.2	Classification	440
6.2.1	Classification of distribution services.....	440
6.2.2	Classification of direct control services as standard control services or alternative control services	440
6.2.3	Term for which classification operates	441
6.2.3A	Distribution Service Classification Guidelines.....	441
6.2.4	Duty of AER to make distribution determinations	442
6.2.5	Control mechanisms for direct control services	442
6.2.6	Basis of control mechanisms for direct control services	444
6.2.7	Negotiated distribution services	444
6.2.8	Guidelines	444
Part C	Building Block Determinations for standard control services	445
6.3	Building block determinations.....	445
6.3.1	Introduction.....	445
6.3.2	Contents of building block determination	445
6.4	Post-tax revenue model	446
6.4.1	Preparation, publication and amendment of post-tax revenue model.....	446
6.4.2	Contents of post-tax revenue model	446
6.4.3	Building block approach.....	447
6.4.4	Shared assets	448
6.4.5	Expenditure Forecast Assessment Guidelines	450
6.4A	Capital expenditure incentive mechanisms	450
6.4B	Asset exemptions	451
6.4B.1	Asset exemption decisions and Asset Exemption Guidelines	451
6.4B.2	Exemption applications	452
6.5	Matters relevant to the making of building block determinations.....	453
6.5.1	Regulatory asset base.....	453
6.5.2	Return on capital.....	454
6.5.3	Estimated cost of corporate income tax.....	454

6.5.4	[Deleted]	454
6.5.5	Depreciation.....	454
6.5.6	Forecast operating expenditure.....	455
6.5.7	Forecast capital expenditure	457
6.5.8	Efficiency benefit sharing scheme	462
6.5.8A	Capital expenditure sharing scheme	463
6.5.9	The X factor.....	464
6.5.10	Pass through events.....	465
6.6	Adjustments after making of building block determination.	465
6.6.1	Cost pass through.....	465
6.6.1AA	Cost pass through – deemed determinations	472
6.6.1AB	Cost pass through – NT events	473
6.6.1A	Reporting on jurisdictional schemes.....	478
6.6.2	Service target performance incentive scheme	479
6.6.3	Demand management incentive scheme.....	480
6.6.3A	Demand management innovation allowance mechanism.....	481
6.6.4	Small-scale incentive scheme	482
6.6.5	Reopening of distribution determination for capital expenditure.....	483
6.6A	Contingent Projects	487
6.6A.1	Acceptance of a contingent project in a distribution determination	487
6.6A.2	Amendment of distribution determination for contingent project.....	488
Part D	Negotiated distribution services	493
6.7	Negotiated distribution services	493
6.7.1	Principles relating to access to negotiated distribution services.....	493
6.7.2	Determination of terms and conditions of access for negotiated distribution services	495
6.7.3	Negotiating framework determination.....	495
6.7.4	Negotiated Distribution Service Criteria determination	495
6.7.5	Preparation of and requirements for negotiating framework for negotiated distribution services	496
6.7.6	Confidential information	498
Part DA	Connection policies	498
6.7A	Connection policy requirements.....	498
6.7A.1	Preparation of, and requirements for, connection policy.....	498
Part E	Regulatory proposal and proposed tariff structure statement.....	499
6.8	Regulatory proposal and proposed tariff structure statement.....	499
6.8.1	AER's framework and approach paper	499
6.8.1A	Notification of approach to forecasting expenditure	501
6.8.2	Submission of regulatory proposal, tariff structure statement and exemption application.....	502
6.9	Preliminary examination and consultation	504
6.9.1	Preliminary examination.....	504
6.9.2	Resubmission of proposal.....	504
6.9.2A	Confidential information	504
6.9.3	Consultation.....	505
6.10	Draft distribution determination and further consultation.....	506

6.10.1	Making of draft distribution determination	506
6.10.2	Publication of draft determination and consultation.....	506
6.10.3	Submission of revised proposal	507
6.10.4	Submissions on specified matters	508
6.11	Distribution determination	508
6.11.1	Making of distribution determination	508
6.11.1A	Out of scope revised regulatory proposal or late submissions	509
6.11.2	Notice of distribution determination.....	509
6.11.3	Commencement of distribution determination	510
6.12	Requirements relating to draft and final distribution determinations.....	510
6.12.1	Constituent decisions	510
6.12.2	Reasons for decisions	513
6.12.3	Extent of AER's discretion in making distribution determinations	514
6.13	Revocation and substitution of distribution determination for wrong information or error	515
6.14	Miscellaneous	516
6.14A	Distribution Confidentiality Guidelines	516
Part F	Cost Allocation	517
6.15	Cost allocation	517
6.15.1	Duty to comply with Cost Allocation Method	517
6.15.2	Cost Allocation Principles	517
6.15.3	Cost Allocation Guidelines.....	518
6.15.4	Cost Allocation Method.....	519
Part G	Distribution consultation procedures	520
6.16	Distribution consultation procedures	520
Part H	Ring-Fencing Arrangements for Distribution Network Service Providers.....	521
6.17	Distribution Ring-Fencing Guidelines	521
6.17.1	Compliance with Distribution Ring-Fencing Guidelines	521
6.17.1B	Application of Distribution Ring-Fencing Guidelines in this jurisdiction	522
6.17.2	Development of Distribution Ring-Fencing Guidelines.....	522
Part I	Distribution Pricing Rules	523
6.18	Distribution Pricing Rules	523
6.18.1	Application of this Part.....	523
6.18.1A	Tariff structure statement.....	523
6.18.1B	Amending a tariff structure statement with the AER's approval	524
6.18.1C	Sub-threshold tariffs	525
6.18.2	Pricing proposals	526
6.18.3	Tariff classes.....	527
6.18.4	Principles governing assignment or re-assignment of retail customers to tariff classes and assessment and review of basis of charging	528
6.18.5	Pricing principles	528

6.18.6 Side constraints on tariffs for standard control services530

6.18.7 Recovery of designated pricing proposal charges531

6.18.7A Recovery of jurisdictional scheme amounts532

6.18.8 Approval of pricing proposal.....535

6.18.9 Publication of information about tariffs and tariff classes.....536

6.19 Data Required for Distribution Service Pricing537

6.19.1 Forecast use of networks by Distribution Customers and Embedded
 Generators537

6.19.2 Confidentiality of distribution network pricing information537

Part J Billing and Settlements.....537

6.20 Billing and Settlements Process537

6.20.1 Billing for distribution services537

6.20.2 Minimum information to be provided in distribution network
 service bills539

6.20.3 Settlement between Distribution Network Service Providers539

6.20.4 Obligation to pay539

**Part K Prudential requirements, capital contributions and
 prepayments540**

**6.21 Distribution Network Service Provider Prudential
 Requirements540**

6.21.1 Prudential requirements for distribution network service.....540

6.21.2 Capital contributions, prepayments and financial guarantees541

6.21.3 Treatment of past prepayments and capital contributions541

Part L Dispute resolution541

6.22 Dispute Resolution541

6.22.1 Dispute Resolution by the AER.....541

6.22.2 Determination of dispute542

6.22.3 Termination of access dispute without access determination.....543

Part M Separate disclosure of transmission and distribution charges543

6.23 Separate disclosure of transmission and distribution charges543

Part N Dual Function Assets544

6.24 Dual Function Assets545

6.24.1 Application of this Part.....545

6.24.2 Dual Function Assets.....545

**6.25 AER determination of applicable pricing regime for Dual
 Function Assets545**

6.26 Division of Distribution Network Service Provider's revenue546

Part O Annual Benchmarking Report547

6.27 Annual Benchmarking Report547

Part P Distribution Reliability Measures Guidelines548

6.28 Distribution Reliability Measures Guidelines548

Schedule 6.1 Contents of building block proposals.....548

S6.1.1 Information and matters relating to capital expenditure.....548

S6.1.2 Information and matters relating to operating expenditure550

S6.1.3 Additional information and matters551

Schedule 6.2 Regulatory Asset Base554

S6.2.1 Establishment of opening regulatory asset base for a regulatory control period.....554

S6.2.2 Prudence and efficiency of capital expenditure.....558

S6.2.2A Reduction for inefficient past capital expenditure.....559

S6.2.2B Depreciation.....561

S6.2.3 Roll forward of regulatory asset base within the same regulatory control period.....562

S6.2.3A Establishment of opening regulatory asset base for distribution system in this jurisdiction for 1st regulatory control period.....563

6A. Economic Regulation of Transmission Services.....569

6B. Retail Markets573

7. Metering577

7A. Metering581

Part A Introduction.....581

7A.1 Introduction to the Metering Chapter581

7A.1.1 Purpose and application581

7A.1.2 Contents581

7A.1.3 Definitions581

7A.1.4 Inconsistency582

Part B Roles and Responsibilities582

7A.2 Role and responsibility of financially responsible participant582

7A.3 Role and responsibility of Metering Coordinator.....583

7A.3.1 Responsibility of the Metering Coordinator583

7A.3.2 Role of the Metering Coordinator.....584

7A.4 Qualification and requirements of Metering Providers and Metering Data Providers.....586

7A.4.1 Qualification and requirements of Metering Providers586

7A.4.2 Qualification and requirements of Metering Data Providers.....586

Part C Appointment of Metering Coordinator587

7A.5 Appointment of Metering Coordinator587

Part D Metering installation588

7A.6 Metering installation arrangement588

7A.6.1 Metering installation requirements588

7A.6.2 Metering installation components.....588

7A.6.3 Emergency management.....591

7A.6.4 Network devices591

7A.6.5 Metering point591

7A.6.6	Metering installation types and accuracy.....	592
7A.6.7	Functionality requirements for type 1, 2, 3 and 4 metering installations.....	592
7A.6.8	Meter churn.....	592
7A.6.9	Metering installation malfunctions.....	593
7A.6.10	Timeframes for meters to be installed – new connection.....	594
7A.6.11	Timeframes for meters to be installed – where a connection service is not required.....	594
7A.6.12	Timeframes for meters to be installed – where a connection alteration is required.....	595
7A.6.13	Changing a metering installation.....	596
7A.6.14	Prepayment metering.....	597
7A.7	Maintenance, inspection, testing and auditing of metering installations.....	597
7A.7.1	Maintenance.....	597
7A.7.2	Responsibility for inspection and testing.....	598
7A.7.3	Actions in event of non-compliance.....	599
7A.7.4	Audits of information held in metering installations.....	600
7A.7.5	Appointment of external auditor.....	600
7A.7.6	Errors found in metering tests, inspections or audits.....	601
7A.7.7	Retention of test records and documents.....	601
Part E	Metering data.....	602
7A.8	Metering data services.....	602
7A.8.1	Metering data services.....	602
7A.8.2	Collection of energy data and estimation of metering data.....	603
7A.8.3	Data management and storage.....	604
7A.8.4	Provision of metering data to certain persons.....	605
7A.8.5	Use of check metering data.....	606
7A.8.6	Periodic energy metering.....	606
7A.8.7	Verification of metering data Metering installations other than type 7 metering installations.....	607
7A.8.8	Time settings.....	608
7A.8.9	Metering data performance standards.....	608
7A.9	Metering data and data base.....	610
7A.9.1	Metering database.....	610
7A.9.2	Data validation, substitution and estimation.....	611
7A.9.3	Changes to energy data or to metering data.....	611
7A.10	Register of metering information.....	612
7A.10.1	Metering register.....	612
7A.10.2	Metering installation registration process.....	612
7A.10.3	Metering register discrepancy.....	612
7A.11	Disclosure of information.....	613
7A.11.1	Provision of data to retailers.....	613
7A.12	Metering data provision to <i>retail customers</i>.....	614
Part F	Security of metering installations and energy data.....	614

- 7A.13 Security of metering installations, energy data and metering data.....614**
- 7A.13.1 Confidentiality of data 614
- 7A.13.2 Security of metering installations 614
- 7A.13.3 Security controls for energy data 615
- 7A.13.4 Additional security controls for type 4 metering installations..... 616
- 7A.13.5 Access to data 617
- Schedule 7A.1 Metering register618**
- S7A.1.1 General..... 618
- S7A.1.2 Metering register information..... 619
- S7A.1.3 Communication guideline..... 619
- Schedule 7A.2 Metering provider.....619**
- Schedule 7A.3 Metering data provider619**
- Schedule 7A.4 Types and accuracy of metering installations619**
- S7A.4.1 General requirements 619
- S7A.4.2 Accuracy requirements for metering installations 620
- S7A.4.3 Check metering 624
- S7A.4.4 Resolution and accuracy of displayed or captured data..... 625
- S7A.4.5 General design standards 626
- S7A.4.5.1 Design requirements 626
- S7A.4.5.2 Design guidelines..... 626
- Schedule 7A.5 Metering functionality requirements for type 1, 2, 3 and 4 metering requirements627**
- S7A.5.1 Introduction..... 627
- S7A.5.1.1 Purpose 627
- S7A.5.1.2 Definitions 627
- S7A.5.2 Functionality Requirements for Meters in Type 1, 2, and 3 metering installations 627
- S7A.5.2.1 Application 627
- S7A.5.2.2 Applicable meter configurations..... 628
- S7A.5.2.3 Metrology 628
- S7A.5.3 Functionality Requirements for Meters in Type 4 metering installations 628
- S7A.5.3.1 Application 628
- S7A.5.3.2 Applicable meter configurations..... 628
- S7A.5.3.3 Metrology 629
- S7A.5.3.4 Remote and local reading of meters 629
- S7A.5.3.5 Supply disconnection and reconnection 630
- S7A.5.3.5.1 General requirements..... 630
- S7A.5.3.5.2 Disconnection 630
- S7A.5.3.5.3 Reconnection 630
- S7A.5.3.6 Time clock synchronisation..... 631
- S7A.5.3.7 Quality of Supply and other event recording..... 631
- S7A.5.3.8 Tamper detection 632
- S7A.5.3.9 Communications and data security 632
- S7A.5.3.10 Remote firmware upgrades..... 632
- S7A.5.3.11 Remote arming..... 632
- Schedule 7A.6 Inspection and testing requirements632**

S7A.6.1 General..... 632

S7A.6.2 Technical guidelines 634

Schedule 7A.7 Metrology procedure 635

Part A 635

S7A.7.1 Introduction..... 635

S7A.7.1.1 General..... 635

S7A.7.1.2 Definitions 635

S7A.7.1.3 Relevant retailer..... 636

Part B 636

S7A.7.2 Purpose and scope..... 636

S7A.7.2.1 Purpose 636

S7A.7.2.2 Scope..... 637

S7A.7.3 Metering provision..... 637

S7A.7.3.1 Responsibility for metering provision 637

S7A.7.3.2 Metering installation components..... 637

S7A.7.3.3 Use of optical ports and pulse outputs 638

S7A.7.3.4 Load control equipment 639

S7A.7.3.5 Data storage requirements for meters 639

S7A.7.3.6 Metering installation clock 639

S7A.7.3.7 Interval meters 639

S7A.7.3.8 Alarm settings 640

S7A.7.3.9 Summation metering..... 640

S7A.7.3.10 640

S7A.7.3.11 Routine testing and inspection of metering installations 640

S7A.7.3.12 Requests for testing type 1 – 6 metering installations 641

S7A.7.4 Installation of meters and de-commissioning 642

S7A.7.4.1 General installation requirements 642

S7A.7.4.2 Type 4A, 5 and 6 metering installations 642

S7A.7.4.3 Preliminary de-commissioning and removal of metering equipment requirements 642

S7A.7.4.4 642

S7A.7.5 643

S7A.7.6 Responsibility for metering data services..... 643

S7A.7.6.1 Metering data storage 643

S7A.7.6.2 Verification of metering data for type 4, 4A, 5, 6 and 7 installations 643

S7A.7.6.3 Metering installation type 7 – sample testing 644

S7A.7.6.4 Request for text of calculated metering data 645

S7A.7.6.5 NTESMO's metering data substitution obligations 646

Part C 646

S7A.7.7 Purpose and scope..... 646

S7A.7.7.1 Purpose 646

S7A.7.7.2 Scope..... 646

S7A.7.8 Principles for validation, substitution and estimation..... 646

S7A.7.8.1 General validation, substitution and estimation requirements..... 646

S7A.7.8.2 Substitution requirements 646

S7A.7.8.3 Estimation requirement..... 647

S7A.7.8.4 Metering data quality flags 648

S7A.7.8.5 Final substitution 648

S7A.7.9	Substitution for acquisition of metering data from remotely read metering installations.....	649
S7A.7.9.1	Application of S7A.7.9.....	649
S7A.7.9.2	Substitution rules.....	649
S7A.7.9.3	Substitution types.....	651
S7A.7.10	Substitution and estimation for manually read interval metering installations.....	654
S7A.7.10.1	Application of S7A7.10.....	654
S7A.7.10.2	Substitution and estimation rules.....	654
S7A.7.10.3	Substitution and estimation types.....	655
S7A.7.11	Substitution and estimation for metering installations with accumulated metering data.....	657
S7A.7.11.1	Substitution and estimation rules.....	657
S7A.7.11.2	Substitution and estimation types.....	659
S7A.7.12	Substitution and estimation for calculated metering data.....	660
S7A.7.12.1	Substitution rules.....	660
S7A.7.12.2	Substitution and estimation types.....	661
S7A.7.13	Data validation requirements.....	662
S7A.7.13.1	Validation requirements for all metering installations.....	662
S7A.7.13.2	Validation of interval metering data alarms.....	662
S7A.7.13.3	Validation within the meter reading process for manually read metering installations.....	663
S7A.7.13.4	Validation as part of the registration process.....	663
S7A.7.13.5	Validation of metering data.....	664
S7A.7.14	Determination of metering data for unmetered loads.....	670
S7A.7.14.1	Load table.....	670
S7A.7.14.2	Controlled unmetered devices.....	671
S7A.7.14.3	Uncontrolled unmetered devices.....	675
Schedule 7A.8	Service level procedures.....	676
Part A	Introduction.....	676
S7A.8.1	Introduction.....	676
S7A.8.1.1	Purpose and scope.....	676
S7A.8.1.2	Definitions.....	676
Part B	Metering provider services.....	677
S7A.8.2	Introduction.....	677
S7A.8.2.1	Purpose and exclusions.....	677
S7A.8.2.2	Services.....	677
S7A.8.3	General requirements.....	677
S7A.8.3.1	Metering Provider capability and competency.....	677
S7A.8.3.2	Use of contractors.....	678
S7A.8.3.3	Insurance.....	678
S7A.8.4	Device management and test equipment.....	679
S7A.8.4.1	Procurement.....	679
S7A.8.4.2	Storage, handling and transport.....	679
S7A.8.4.3	Management of test equipment.....	679
S7A.8.4.4	Management of meter programming and authorised software.....	680
S7A.8.5	Installation and commissioning requirements.....	680
S7A.8.5.1	General commissioning requirements.....	680
S7A.8.5.2	Metering data validation requirements.....	681

S7A.8.6	Metering installation maintenance.....	682
S7A.8.6.1	Test plans.....	682
S7A.8.6.2	Management of metering installation malfunctions.....	682
S7A.8.6.3	Telecommunications.....	682
S7A.8.6.4	Non-conforming test results or calibrations.....	683
S7A.8.7	Systems and administration.....	683
S7A.8.7.1	Register of metering installations.....	683
S7A.8.7.2	Disaster recovery.....	684
S7A.8.7.3	Audits undertaken by the Utilities Commission.....	684
Part C	Metering Data Provider services.....	684
S7A.8.8	Introduction.....	684
S7A.8.8.1	Purpose.....	684
S7A.8.8.2	Obligations.....	685
S7A.8.9	Service requirements.....	687
S7A.8.9.1	System requirements.....	687
S7A.8.9.2	Metering data services database.....	688
S7A.8.9.3	Exception reports.....	688
S7A.8.9.4	Collection process requirements.....	688
S7A.8.9.5	Specific collection process requirements for remotely read metering installations.....	689
S7A.8.9.6	Specific collection process requirements for manually read metering installations.....	689
S7A.8.9.7	Metering data processing requirements.....	690
S7A.8.9.8	Specific metering data processing requirements for type 1, 2, 3 and 4 metering installations.....	691
S7A.8.9.9	Specific metering data processing requirements for type 7 metering installations.....	691
S7A.8.9.10	Specific metering data estimation requirements for manually read and type 7 metering installations.....	692
S7A.8.9.11	Delivery performance requirements for metering data.....	692
S7A.8.10	Data management following the alteration of type of metering installation at a connection point.....	694
S7A.8.10.1	Meter churn scenarios.....	694
S7A.8.10.2	Scenario 1.....	695
S7A.8.10.3	Scenario 2.....	695
S7A.8.10.4	Scenario 3.....	695
S7A.8.10.5	Scenario 4.....	695
S7A.8.11	System architecture and administration.....	696
S7A.8.11.1	Metering data archival and recovery.....	696
S7A.8.11.2	Data backup.....	697
S7A.8.11.3	Disaster recovery.....	697
S7A.8.11.4	System administration and data management.....	698
S7A.8.12	Quality control.....	698
S7A.8.12.1	Audits.....	698
S7A.8.12.2	Corrective action.....	699
S7A.8.13.1	Administration.....	699
S7A.8.13.2	Quality systems.....	700
8.	Administrative Functions.....	703

Part A **Introductory**703

8.1 **Administrative functions**.....703

8.1.1 [Deleted]703

8.1.2 [Deleted]703

8.1.3 Structure of this Chapter703

Part B **Disputes**.....703

Part C **Registered Participants' confidentiality obligations**.....704

8.6 **Confidentiality**.....704

8.6.1 Confidentiality704

8.6.1A Application705

8.6.2 Exceptions.....705

8.6.3 Conditions.....706

8.6.4 [Deleted]707

8.6.5 Indemnity to AER, AEMC and AEMO.....707

8.6.6 AEMO information.....707

8.6.7 Information on Rules Bodies707

Part D **Monitoring and reporting**707

8.7 **Monitoring and Reporting**.....707

8.7.1 Monitoring707

8.7.2 Reporting requirements and monitoring standards for Registered
Participants708

8.7.3 Consultation required for making general regulatory information
order (Section 28H of the NEL)710

8.7.4 Preparation of network service provider performance report
(Section 28V of the NEL).....711

8.7.5 [Deleted]711

8.7.6 Recovery of reporting costs711

Part E **Reliability panel**712

8.8 **Reliability Panel**.....712

8.8.1 Purpose of Reliability Panel712

8.8.2 Constitution of the Reliability Panel.....713

8.8.3 Reliability Panel review process.....715

8.8.4 Determination of protected events718

Part F **Rules consultation procedures**.....719

8.9 **Rules Consultation Procedures**719

Part G **Consumer advocacy funding**721

8.10 **Consumer advocacy funding obligation**722

Part H **Augmentations**722

8.11 **Augmentations**722

8.11.1 Application722

8.11.2 Object.....722

8.11.3 Definitions723

8.11.4 Planning criteria.....723

8.11.5 Construction of augmentation that is not a contestable augmentation.....724

8.11.6 Contestable augmentations724

8.11.7 Construction and operation of contestable augmentation.....725

8.11.8 Funded augmentations that are not subject to the tender process.....726

8.11.9 Contractual requirements and principles727

8.11.10 Annual planning review.....727

Schedule 8.11 Principles to be reflected in agreements relating to contestable augmentations728

S8.11.1 Risk allocation728

S8.11.2 Minimum requirements for agreements relating to contestable augmentation.....729

S8.11.3 Matters to be dealt with in relevant agreements729

Part I Values of customer reliability730

8.12 Development of methodology and publication of values of customer reliability730

8A. Participant Derogations.....735

Part 1 Derogations Granted to TransGrid735

8A.1 [Deleted].....735

Part 2 Derogations Granted to EnergyAustralia735

8A.2 [Deleted].....735

8A.2A [Deleted].....735

Part 3 [Deleted].....735

Part 4 [Deleted].....735

Part 5 [Deleted].....735

Part 6 Derogations Granted to Victorian Market Participants.....735

Part 7 [Deleted].....736

Part 8 [Deleted].....736

Part 9 [Deleted].....736

Part 10 [Deleted].....736

Part 11 [Deleted].....736

Part 12 [Deleted].....736

Part 13 Derogation granted to Aurora Energy (Tamar Valley) Pty Ltd736

8A.13 [Deleted].....736

Part 14 Derogations granted to Ausgrid, Endeavour Energy and Essential Energy.....736

8A.14 Derogations from Chapter 6 for the current regulatory control period and subsequent regulatory control period736

8A.14.1 Definitions736

8A.14.2	Expiry date.....	740
8A.14.3	Application of Rule 8A.14.....	740
8A.14.4	Recovery of revenue across the current regulatory control period and subsequent regulatory control period.....	741
8A.14.5	Recovery of revenue in subsequent regulatory control period only and no reopening of subsequent distribution determination required.....	742
8A.14.6	Recovery of revenue in subsequent regulatory control period only and reopening of distribution determination is required.....	743
8A.14.7	Requirements for adjustment determination.....	744
8A.14.8	Application of Chapter 6 under participant derogation	745
Part 15	Derogations granted to ActewAGL.....	746
8A.15	Derogations from Chapter 6 for the current regulatory control period and subsequent regulatory control period	746
8A.15.1	Definitions	746
8A.15.2	Expiry date.....	750
8A.15.3	Application of Rule 8A.15.....	750
8A.15.4	Recovery of revenue across the current regulatory control period and subsequent regulatory control period.....	750
8A.15.5	Recovery of revenue in subsequent regulatory control period only and no reopening of subsequent distribution determination required.....	752
8A.15.6	Recovery of revenue in subsequent regulatory control period only and reopening of distribution determination is required.....	753
8A.15.7	Requirements for adjustment determination.....	755
8A.15.8	Application of Chapter 6 under participant derogation	755
9.	Jurisdictional Derogations and Transitional Arrangements	761
9.1	Purpose and Application	761
9.1.1	Purpose	761
9.1.2	Jurisdictional Derogations	761
Part A	Jurisdictional Derogations for Victoria	761
9.2	[Deleted].....	761
9.3	Definitions.....	761
9.3.1	General Definitions.....	761
9.3.2	[Deleted]	762
9.3A	Fault levels.....	762
9.4	Transitional Arrangements for Chapter 2 - Registered Participants, Registration and Cross Border Networks	763
9.4.1	[Deleted]	763
9.4.2	Smelter Trader	763
9.4.3	Smelter Trader: compliance.....	764
9.4.4	Report from AER.....	766
9.4.5	Cross Border Networks.....	766
9.5	Transitional Arrangements for Chapter 3 – Reliability and Emergency Reserve Trader	767
9.5.1	Definition.....	767

9.5.2	Expiry date.....	767
9.5.3	Multi-year Victorian contracts – term and volume.....	767
9.5.4	Multi-year Victorian contracts - reporting.....	768
9.6	Transitional Arrangements for Chapter 4 - System Security	769
9.6.1	Operating Procedures (clause 4.10.1).....	769
9.6.2	Nomenclature Standards (clause 4.12).....	769
9.7	Transitional Arrangements for Chapter 5 - Network Connection.....	769
9.7.1	[Deleted].....	769
9.7.2	[Deleted].....	769
9.7.3	[Deleted].....	769
9.7.4	Regulation of Distribution Network Connection.....	769
9.7.5	[Deleted].....	770
9.7.6	[Deleted].....	770
9.7.7	[Deleted].....	770
9.8	Transitional Arrangements for Chapter 6 - Network Pricing.....	770
9.8.1	[Deleted].....	770
9.8.2	[Deleted].....	770
9.8.3	[Deleted].....	770
9.8.4	Transmission Network Pricing.....	770
9.8.4A	[Deleted].....	772
9.8.4B	[Deleted].....	772
9.8.4C	[Deleted].....	772
9.8.4D	[Deleted].....	772
9.8.4E	[Deleted].....	772
9.8.4F	[Deleted].....	772
9.8.4G	[Deleted].....	772
9.8.5	[Deleted].....	772
9.8.6	[Deleted].....	772
9.8.7	Distribution network pricing – transitional application of former Chapter 6.....	772
9.8.8	Exclusion of AER's power to aggregate distribution systems and parts of distribution systems.....	773
9.9	Transitional Arrangements for Chapter 7 - Metering.....	773
9.9.1	Metering Installations To Which This Schedule Applies.....	773
9.9.2	[Deleted].....	774
9.9.3	[Deleted].....	774
9.9.4	[Deleted].....	774
9.9.5	[Deleted].....	774
9.9.6	[Deleted].....	774
9.9.7	[Deleted].....	774
9.9.8	[Deleted].....	774
9.9.9	Periodic Energy Metering (clause 7.9.3).....	774
9.9.10	Use of Alternate Technologies (clause 7.13).....	774
9.9A	[Deleted].....	775
9.9B	[Deleted].....	775
9.9C	[Deleted].....	775

1.	Interpretation of tables	775
2.	Continuing effect	775
3.	Subsequent agreement	776
4.	[Deleted]	776
5.	Reactive Power Capability (clause S5.2.5.1 of schedule 5.2)	776
6.	[Deleted]	777
7.	[Deleted]	777
8.	[Deleted]	777
9.	[Deleted]	777
10.	[Deleted]	777
11.	[Deleted]	777
12.	[Deleted]	777
13.	Governor Systems (load control) (clause S5.2.5.11 of schedule 5.2).....	777
14.	[Deleted]	777
15.	[Deleted]	777
16.	Excitation Control System (clause S5.2.5.13 of schedule 5.2).....	777
Part B	Jurisdictional Derogations for New South Wales	778
9.10	[Deleted].....	778
9.11	Definitions.....	778
9.11.1	Definitions used in this Part B	778
9.12	Transitional Arrangements for Chapter 2 - Generators, Registered Participants, Registration and Cross Border Networks.....	779
9.12.1	[Deleted]	779
9.12.2	Customers	779
9.12.3	Power Traders	779
9.12.4	Cross Border Networks.....	782
9.13	[Deleted].....	783
9.14	Transitional Arrangements for Chapter 4 - System Security	783
9.14.1	Power System Operating Procedures.....	783
9.15	NSW contestable services for Chapter 5A.....	783
9.15.1	Definitions	783
9.15.2	Chapter 5A not to apply to certain contestable services	783
9.16	Transitional Arrangements for Chapter 6 - Network Pricing.....	783
9.16.1	NSW contestable services.....	783
9.16.2	[Deleted]	783
9.16.3	Jurisdictional Regulator	783
9.16.4	Deemed Regulated Interconnector.....	784
9.16.5	[Deleted]	784
9.17	Transitional Arrangements for Chapter 7 - Metering	784
9.17.1	Extent of Derogations	784
9.17.2	Initial Registration (clause 7.1.2).....	784
9.17.3	Amendments to Schedule 9G1	784
9.17.4	Compliance with AS/NZ ISO 9002 (clause S7.4.3(f) of schedule 7.4).....	785
9.17A	[Deleted].....	785

9.18 [Deleted].....785

Part C **Jurisdictional Derogations for the Australian Capital Territory.....785**

9.19 [Deleted].....785

9.20 **Definitions and Transitional Arrangements for Cross-Border Networks.....785**

9.20.1 Definitions785

9.20.2 Cross Border Networks.....785

9.21 [Deleted].....786

9.22 [Deleted].....786

9.23 **Transitional Arrangements for Chapter 6 - Network Pricing.....786**

9.23.1 [Deleted]786

9.23.2 [Deleted]786

9.23.3 [Deleted].....786

9.23.4 [Deleted]786

9.24 **Transitional Arrangements.....786**

9.24.1 Chapter 7 - Metering.....786

9.24.2 [Deleted]786

9.24A [Deleted].....786

Part D **Jurisdictional Derogations for South Australia786**

9.25 **Definitions.....786**

9.25.1 [Deleted]786

9.25.2 Definitions786

9.26 **Transitional Arrangements for Chapter 2 - Registered Participants, Registration And Cross Border Networks.....789**

9.26.1 Registration as a Generator.....789

9.26.2 Registration as a Customer790

9.26.3 Cross Border Networks.....790

9.26.4 [Deleted]790

9.26.5 Registration as a Network Service Provider790

9.27 [Deleted].....791

9.28 **Transitional Arrangements for Chapter 5 - Network Connection.....791**

9.28.1 Application of clause 5.2791

9.28.2 [Deleted]792

9.29 **Transitional Arrangements for Chapter 6 - Economic Regulation of Distribution Services792**

9.29.1 [Deleted]792

9.29.2 [Deleted]792

9.29.3 [Deleted]792

9.29.4 [Deleted]792

9.29.5 Distribution Network Pricing – South Australia792

9.29.6 Capital contributions, prepayments and financial guarantees793

9.29.7 Ring fencing.....793

9.29A **Monitoring and reporting793**

9.30	Transitional Provisions	794
9.30.1	Chapter 7 - Metering.....	794
Part E	Jurisdictional Derogations for Queensland.....	794
9.31	[Deleted].....	794
9.32	Definitions and Interpretation.....	794
9.32.1	Definitions	794
9.32.2	Interpretation.....	797
9.33	Transitional Arrangements for Chapter 1	797
9.33.1	[Deleted]	797
9.34	Transitional Arrangements for Chapter 2 - Registered Participants and Registration.....	797
9.34.1	Application of the Rules in Queensland (clauses 2.2 and 2.5)	797
9.34.2	Stanwell Cross Border Leases (clause 2.2).....	797
9.34.3	[Deleted]	797
9.34.4	Registration as a Customer (clause 2.3.1)	797
9.34.5	There is no clause 9.34.5	798
9.34.6	Exempted generation agreements (clause 2.2)	798
9.35	[Deleted].....	802
9.36	[Deleted].....	802
9.37	Transitional Arrangements for Chapter 5 - Network Connection.....	802
9.37.1	[Deleted]	802
9.37.2	Existing connection and access agreements (clause 5.2).....	802
9.37.3	[Deleted]	803
9.37.4	[Deleted]	803
9.37.5	Forecasts for connection points to transmission network (clause 5.11.1).....	803
9.37.6	There is no clause 9.37.6	803
9.37.7	Cross Border Networks.....	803
9.37.8	[Deleted]	804
9.37.9	Credible contingency events (clause S5.1.2.1 of schedule 5.1).....	804
9.37.10	Reactive power capability (clause S5.2.5.1 of schedule 5.2)	804
9.37.11	[Deleted]	805
9.37.12	Voltage fluctuations (clause S5.1.5 of schedule 5.1).....	805
9.37.13	[Deleted]	807
9.37.14	[Deleted]	807
9.37.15	[Deleted]	807
9.37.16	[Deleted]	807
9.37.17	[Deleted]	807
9.37.18	[Deleted]	807
9.37.19	Generating unit response to disturbances (clause S5.2.5.3 of schedule 5.2).....	807
9.37.20	[Deleted]	807
9.37.21	Excitation control system (clause S.5.2.5.13 of schedule 5.2)	807
9.37.22	[Deleted]	808
9.37.23	Annual forecast information for planning purposes (schedule 5.7).....	808

9.38	Transitional Arrangements for Chapter 6 - Network Pricing.....	808
9.38.1	[Deleted]	808
9.38.2	[Deleted]	808
9.38.3	[Deleted]	808
9.38.4	Interconnectors between regions	808
9.38.5	Transmission pricing for exempted generation agreements	808
9.39	Transitional Arrangements for Chapter 7 - Metering	809
9.39.1	Metering installations to which this clause applies	809
9.39.2	[Deleted]	810
9.39.3	[Deleted]	810
9.39.4	[Deleted]	810
9.39.5	[Deleted]	810
9.40	Transitional Arrangements for Chapter 8 - Administration	
	Functions	810
9.40.1	[Deleted]	810
9.40.2	[Deleted]	810
9.40.3	[Deleted]	810
9.41	[Deleted].....	810
Part F	Jurisdictional Derogations for Tasmania	811
9.42	Definitions and interpretation	811
9.42.1	Definitions	811
9.42.2	Interpretation.....	812
9.42.3	National grid, power system and related expressions.....	812
9.43	[Deleted].....	813
9.44	Transitional arrangements for Chapter 2 – Registered	
	Participants and Registration - Customers (clause 2.3.1(e)).....	813
9.45	Tasmanian Region (clause 3.5)	813
9.47	Transitional arrangements for Chapter 5- Network Connection	813
9.47.1	Existing Connection Agreements	813
9.48	Transitional arrangements - Transmission and Distribution	
	Pricing.....	813
9.48.4A	Ring fencing.....	813
9.48.4B	Uniformity of tariffs for small customers	814
9.48.5	Transmission network.....	814
9.48.6	Deemed regulated interconnector	814
Part G	Schedules to Chapter 9.....	814
1.	Introduction.....	814
2.	[Deleted]	814
3.	General Principle	814
4.	[Deleted]	815
5.	Accuracy Requirements.....	815
6.	[Deleted]	815
7.	[Deleted]	815
8.	[Deleted]	815
9.	[Deleted]	815

10. [Deleted]815

10. Glossary.....819

11. Savings and Transitional Rules.....941

Part ZZJ Demand management incentive scheme941

11.82 Rules consequential on making of the National Electricity Amendment (Demand management incentive scheme) Rule 2015941

11.82.1 Definitions941

11.82.2 AER to develop and publish the demand management incentive scheme and demand management innovation allowance mechanism941

Part ZZM Common definitions of distribution reliability measures941

11.85 Rules consequential on the making of the National Electricity Amendment (Common definitions of distribution reliability measures) Rule 2015941

11.85.1 Definitions941

11.85.2 Distribution reliability measures guidelines942

11.85.3 Amended STPIS942

11.86.8 Distribution Ring Fencing Guidelines942

Part ZZU Rate of Return Guidelines Review942

11.93 Rules consequential on the making of the National Electricity Amendment (Rate of Return Guidelines Review) Rule 2016942

11.93.1 Definitions942

11.93.2 Application of current rate of return guidelines to making of a distribution determination for the subsequent regulatory control period943

Part ZZV Demand Response Mechanism and Ancillary Services Unbundling.....944

11.94 Rules consequential on the making of the National Electricity Amendment (Demand Response Management and Ancillary Services Unbundling) rule 2016.....944

11.94.1 Definitions944

11.94.2 Participant fees for Market Ancillary Service Providers944

Part ZZW Local Generation Network Credits944

11.95 Rules consequential on the making of the National Electricity Amendment (Local Generation Network Credits) Rule 2016944

11.95.1 Definitions944

11.95.2 System limitation template944

Part ZZY Emergency Frequency Control Schemes.....945

11.97 Rules consequent on the making of the National Electricity Amendment (Emergency frequency control schemes) Rule 2017945

11.97.1 Definitions945

11.97.2 Interim frequency operating standards for protected events.....945

11.97.3	First power system frequency risk review	946
11.97.4	AEMO must review existing load shedding procedures	946
11.97.5	Load shedding procedures	946
Part ZZZ	Transmission Connection and Planning Arrangements	947
11.98	Rules consequential on the making of the National Electricity Amendment (Transmission Connection and Planning Arrangements) Rule 2017	947
11.98.1	Definitions	947
11.98.2	Grandfathering of existing dedicated connection assets.....	948
11.98.3	Preparatory steps for registration changes under the Amending Rule.....	948
11.98.4	Participant fees for Dedicated Connection Asset Service Providers	949
11.98.5	Existing Connection Agreements	949
11.98.6	Connection process	949
11.98.7	Transmission Annual Planning Report	950
11.98.8	Preservation for adoptive jurisdictions	950
Part ZZZA	Replacement expenditure planning arrangements.....	950
11.99	Rules consequential on the making of the National Electricity Amendment (Replacement expenditure planning arrangements) Rule 2017	950
11.99.1	Definitions	950
11.99.3	Transitional arrangements for affected DNSPs	951
11.99.4	Amendments to RIT documentation.....	952
11.99.5	Transitional arrangements relating to excluded projects	952
11.99.6	Transitional arrangements relating to Victorian bushfire mitigation projects.....	952
11.99.7	Transitional arrangements relating to review of costs thresholds.....	953
Part ZZZB	Managing the rate of change of power system frequency	953
11.100	Rules consequential on the making of the National Electricity Amendment (Managing the rate of change of power system frequency) Rule 2017	953
11.100.1	Definitions	953
11.100.2	Inertia sub-networks	954
11.100.3	Inertia requirements methodology	954
11.100.4	Inertia requirements	954
11.100.5	NSCAS not to be used to meet an inertia shortfall after 1 July 2019	955
11.100.6	Inertia network services may be used to meet an NSCAS gap declared in the NSCAS transition period.....	955
11.100.7	Inertia network services made available before the commencement date.....	956
Part ZZZC	Managing power system fault levels	956
11.101	Rules consequential on the making of the National Electricity Amendment (Managing power system fault levels) Rule 2017.....	956
11.101.1	Definitions	956
11.101.2	System strength impact assessment guidelines.....	958
11.101.3	System strength requirements methodology.....	958
11.101.4	System strength requirements	958

11.101.5 NSCAS not to be used to meet a fault level shortfall after 1 July 2019959

11.101.6 System strength services may be used to meet an NSCAS gap declared in the NSCAS transition period.....959

11.101.7 Withdrawal of a system strength-related NSCAS gap already declared.....960

11.101.8 System strength services made available before the commencement date.....960

Part ZZZD Generating System Model Guidelines.....960

11.102 Making of Power System Model Guidelines960

Part ZZZE Five Minute Settlement961

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 2020961

11.103.1 Definitions961

11.103.2 Amendments to procedures961

11.103.3. Exemption for certain metering installations.....962

11.103.4 New or replacement meters963

11.103.5 Metering installations exempt from metering data provision requirements963

11.103.6 Exemption from meter data storage requirements.....963

11.103.7 Default offers and bids submitted prior to the commencement date963

Part ZZZF Contestability of energy services963

11.104 Rules consequential on the making of the National Electricity Amendment (Contestability of energy services) Rule 2017963

11.104.1 Definitions963

11.104.2 New guidelines965

11.104.3 Transitional arrangements for application of Distribution Service Classification Guidelines and service classification provisions965

11.104.4 Transitional arrangements for application of Asset Exemption Guidelines, exemption applications and asset exemption decisions.....965

11.104.5 Transitional arrangements for adjustment in value of regulatory asset base967

Part ZZZG Declaration of lack of reserve conditions.....967

11.105 Making of lack of reserve declaration guidelines967

11.105.1 Definitions967

11.105.2 Making of lack of reserve declaration guidelines.....967

Part ZZZH Implementation of demand management incentive scheme968

11.106 Implementation of demand management incentive scheme968

11.106.1 Definitions968

11.106.2 Purpose968

11.106.3 Early application of revised demand management incentive scheme968

Part ZZZI Reinstatement of long notice Reliability and Emergency Reserve Trader.....970

11.107 Rules consequential on the making of the National Electricity Amendment (Reinstatement of long notice Reliability and Emergency Reserve Trader) Rule 2018.....970

11.107.1 Definitions970

11.107.2 New RERT guidelines970

11.107.3 Amendments to RERT procedures973

11.107.4 Reserve contracts entered into before the commencement date974

Part ZZZJ Register of distributed energy resources974

11.108 Rules consequential on the making of the National Electricity Amendment (Register of distributed energy resources) Rule 2018974

11.108.1 Definitions974

11.108.2 AEMO to develop and publish DER register information guidelines974

11.108.3 NSPs to provide AEMO with existing DER generation information974

Part ZZZK Generator technical performance standards974

11.109 Rules consequential on the making of the National Electricity Amendment (Generator technical performance standards) Rule 2018974

11.109.1 Definitions974

11.109.2 Application of the Amending Rule to existing connection enquiries975

11.109.3 Application of the Amending Rule to existing applications to connect.....976

11.109.4 Application of the Amending Rule to existing offers to connect978

11.109.5 Application of the Amending Rule to Existing Connection Agreements979

Part ZZZL Generator three year notice of closure979

11.110 Rules consequential on the making of the National Electricity Amendment (Generator three year notice of closure) Rule 2018.....979

11.110.1 Definitions979

11.110.2 AER to develop and publish notice of closure exemption guideline.....979

11.110.3 Application of Amending Rule to AEMO980

11.110.4 Application of Amending Rule to Generators980

Part ZZZM Participant compensation following market suspension.....980

11.111 Rules consequential on the making of the National Electricity Amendment (Participant compensation following market suspension) Rule 2018.....980

11.111.1 Definitions980

11.111.2 Market suspension compensation methodology and schedule of benchmark values980

Part ZZZN Global settlement and market reconciliation981

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 2020981

11.112.1 Definitions981

11.112.2 Amendments to AEMO procedures.....981

11.112.3	AEMO to publish report on unaccounted for energy trends.....	982
11.112.4	Continuation of registration for non-market generators	982
11.112.5	Publication of UFE data by AEMO	982
11.112.6	Publication of UFE reporting guidelines	982
Part ZZZO	Metering installation timeframes	982
11.113	Rules consequential on making of the National Electricity Amendment (Metering installation timeframes) Rule 2018	982
11.113.1	Definitions	982
11.113.2	Timeframes for meters to be installed	983
Part ZZZP	Early implementation of ISP priority projects	983
11.114	National Electricity Amendment (Early implementation of ISP priority projects) Rule 2019	983
11.114.1	Definitions	983
11.114.2	Modifications to clause 5.16.6 for ISP VNI and QNI projects.....	984
11.114.3	Modifications to clause 6A.8.2 for ISP projects.....	985
Part ZZZQ	Enhancement to the Reliability and Emergency Reserve Trader	987
11.115	Rules consequential on the making of the National Electricity Amendment (Enhancement to the reliability and emergency reserve trader) Rule 2019.....	987
11.115.1	Definitions	987
11.115.2	New RERT guidelines	988
11.115.3	Amendments to RERT procedures	988
11.115.4	Reserve contracts entered into before the commencement date	988
11.115.5	Clause 3.20.6 (Reporting on RERT by AEMO).....	988
Part ZZZR	Retailer Reliability Obligation.....	989
11.116	Rules consequential on the making of the National Electricity Amendment (Retailer Reliability Obligation) Rule 2019.....	989
11.116.1	Application	989
11.116.2	Reliability Instrument Guidelines.....	989
11.116.3	Forecasting Best Practice Guidelines	989
11.116.4	Reliability Forecast Guidelines.....	990
11.116.5	AER Opt-in Guidelines.....	990
11.116.6	Contracts and Firmness Guidelines	990
11.116.7	Qualifying contracts under interim Contracts and Firmness Guidelines	991
11.116.8	Grandfathering arrangements	991
11.116.9	Reliability Compliance Procedures and Guidelines	992
11.116.10	MLO Guidelines	992
11.116.11	Application of Part G, Divisions 2 – 6 (inclusive)	992
11.116.12	Interim deeming of MLO generators and MLO groups	993
11.116.13	MLO information template.....	1000
11.116.14	Initial MLO register.....	1000
11.116.15	Approved MLO products list.....	1000
11.116.16	Designated MLO exchange	1001
11.116.17	Five minute settlement intervals	1001
11.116.18	Review by AEMC.....	1001

Part ZZZS Transparency of new projects1001

**11.117 Rules consequential on the making of the National Electricity
 Amendment (Transparency of new projects) Rule 2019.....1001**

11.117.1 Definitions1001

11.117.2 Generation information page1002

11.117.3 Generation information guidelines1002

11.117.4 Provision and use of information.....1002

**Part ZZZT Demand management incentive scheme and innovation
 allowance for TNSPs.....1003**

**11.118 Rules consequential on the making of the National Electricity
 Amendment (Demand management incentive scheme and
 innovation allowance for TNSPs) Rule 20191003**

11.118.1 Definitions1003

11.118.2 AER to develop and publish the demand management innovation
 allowance mechanism1003

**Part ZZZU Application of the regional reference node test to the Reliability
 and Emergency Reserve Trader1003**

**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 20191003**

11.119.1 Definitions1003

11.119.2 AEMO intervention event in effect on commencement date1003

**Part ZZZV Improving Transparency and Extending Duration of MT
 PASA.....1004**

**11.120 Rules consequential on the making of the National Electricity
 Amendment (Improving transparency and extending duration
 of MT PASA) Rule 20201004**

11.120.1 AEMO to update spot market operations timetable1004

Part ZZZW Victorian jurisdictional derogation – RERT contracting1004

**11.121 Rules consequential on the making of the National Electricity
 Amendment (Victorian jurisdictional derogation - RERT
 contracting) Rule 20201004**

11.121.1 Definitions1004

11.121.2 Procedures.....1004

Part ZZZX Mandatory primary frequency response.....1004

**11.122 Rules consequential on the making of the National Electricity
 Amendment (Mandatory primary frequency response) Rule
 20201004**

11.122.1 Definitions1004

11.122.2 Interim Primary Frequency Response Requirements1005

11.122.3 Action taken prior to commencement.....1005

Part ZZZY System restart services, standards and testing.....1006

**11.123 Rules consequential on the making of the National Electricity
 Amendment (System restart services, standards and testing)
 Rule 20201006**

11.123.1	Definitions	1006
11.123.2	SRAS Guideline.....	1006
11.123.3	System restart standard	1006
11.123.4	Communication protocols.....	1006
11.123.5	System restart tests	1007
Part ZZZZ	Introduction of metering coordinator planned interruptions	1007
11.124	Rules consequential on the making of the National Electricity Amendment (Introduction of metering coordinator planned interruptions) Rule 2020	1007
11.124.1	Definitions	1007
11.124.2	Amendments of the metrology procedure	1007
11.124.3	Market Settlement and Transfer Solutions Procedures	1008
11.124.4	Requirements of the metrology procedure	1008
Part ZZZZA	Wholesale demand response	1008
11.125	Rules consequential on the making of the National Electricity Amendment (Wholesale demand response mechanism) Rule 2020	1008
11.125.1	Definitions	1008
11.125.2	Wholesale demand response guidelines	1009
11.125.3	Baseline methodologies	1010
11.125.4	Wholesale demand response participation guidelines	1010
11.125.5	Extension of time for registration and aggregation	1010
11.125.6	Amendments to AEMO, AER and AEMC documents	1010
11.125.7	Amendments to the demand side participation information guidelines.....	1011
11.125.8	Amendment to RERT guidelines.....	1011
11.125.9	Renaming of Market Ancillary Service Providers.....	1012
11.125.10	Wholesale demand response annual reporting.....	1012
Part ZZZZB	Integrated System Planning Rules	1012
11.126	Rules consequential on the making of the National Electricity Amendment (Integrated System Planning) Rule 2020	1012
11.126.1	Definitions	1012
11.126.2	2020 Integrated System Plan	1013
11.126.3	Existing actionable ISP projects	1013
11.126.4	Existing actionable ISP projects at the clause 5.16.6 stage	1013
11.126.5	Existing actionable ISP projects prior to the clause 5.16.6 stage	1014
11.126.6	Existing RIT-T proponent has published a PSCR but not a PADR	1014
11.126.7	Cost Benefit Analysis Guidelines	1014
11.126.8	Forecasting Best Practice Guidelines	1015
11.126.9	Methodologies and reports	1015
11.126.10	AEMC review of ISP framework	1015
Part ZZZZC	Deferral of network charges	1016
11.127	Transitional arrangements made by the National Electricity Amendment (Deferral of network charges) Rule 2020 No. 11.....	1016
11.127.1	Definitions	1016
11.127.2	Deferral of payment of network charges	1016
11.127.3	Deferral of payment of charges for prescribed transmission services	1018

11.127.4 AER reporting.....1018

11.127.5 Application of this Part.....1019

Part ZZZZD Interim reliability measure1019

11.128 Rules consequential on the making of the National Electricity Amendment (Interim reliability measure) Rule 20201019

11.128.1 Definitions1019

11.128.2 Expiry date.....1020

11.128.3 Application of rule 3.20.....1020

11.128.4 Reserve contracts for interim reliability reserves1020

11.128.5 Interim reliability reserves – reporting1022

11.128.6 AEMO exercise of RERT1022

11.128.7 RERT guidelines.....1022

11.128.8 RERT procedures.....1023

11.128.9 Reliability standard implementation guidelines1023

11.128.10 AEMO preparatory activities.....1023

11.128.11 Reserve contracts entered into before the commencement date1024

11.128.12 Review by the AEMC.....1024

Part ZZZZE Removal of intervention hierarchy1025

11.129 Rules consequential on making of the National Electricity Amendment (Removal of intervention hierarchy) Rule 2020.....1025

11.129.1 Definitions1025

11.129.2 Procedures.....1025

Part ZZZZF Reallocation of National Transmission Planner costs1026

11.130 Rule consequential on the making of the National Electricity Amendment (Reallocation of National Transmission Planner costs) Rule 2020.....1026

11.130.1 Allocation of NTP costs.....1026

Part ZZZZG Transparency of unserved energy calculation1027

11.131 Rules consequential on the making of the National Electricity Amendment (Transparency of unserved energy calculation) Rule 2020 No. 161027

11.131.1 AEMO to update the *reliability standard implementation guidelines*1027

Part ZZZZH Retailer Reliability Obligation trigger1027

11.132 Rules consequential on the making of the National Electricity Amendment (Retailer Reliability Obligation trigger) Rule 20201027

11.132.1 Definitions1027

11.132.2 Reliability standard.....1027

11.132.3 AEMO request for a T-3 reliability instrument1028

11.132.4 When a decision by the AER must be made.....1028

11.132.5 Reliability Forecast Guidelines.....1028

11.132.6 AEMO preparatory activities.....1028

11.132.7 AER preparatory activities1028

Part ZZZZI Compensation following directions for services other than energy and market ancillary services1028

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 20201028

11.133.1 Definitions1028

11.133.2 Compensation process in effect on commencement date1029

11.133.3 Direction in effect on commencement date1029

Part ZZZZJ Prudent discounts in an adoptive jurisdiction1029

11.134 Rules consequential on the making of the National Electricity Amendment (Prudent discounts in an adoptive jurisdiction) Rule 2020 No. 191029

11.134.1 Definitions1029

11.134.2 Prudent discount application before commencement date1030

Part ZZZZK Technical standards for Distributed Energy Resources1030

11.135 Rules consequential on the making of the National Electricity Amendment (Technical standards for Distributed Energy Resources) Rule 2021 No. 11030

11.135.1 Definitions1030

11.135.2 Application of the Amending Rule to existing connection applications1030

11.135.3 Application of the Amending Rule to existing offers1031

11.135.4 Application of the Amending Rule to existing connection contracts1031

Part ZZZZL Semi-scheduled generator dispatch obligations1031

11.136 Rules consequential on the making of the National Electricity Amendment (Semi-scheduled generator dispatch obligations) Rule 20211031

11.136.1 AEMO to update power system operating procedure1031

Part ZZZZM Renewable energy zone planning1031

11.137 Rule consequential on the making of the National Electricity Amendment (Renewable energy zone planning) Rule 20211031

11.137.1 Definitions1031

11.137.2 Cost pass through for renewable energy zone planning1032

11.137.3 AEMC review of REZ planning rules1032

11A. NT Savings and Transitional Rules1035

Part A Savings and transitional rules for Chapter 51035

11A.1 Chapter 5 provisions1035

Part B Savings and transitional rules for Chapter 5A1035

11A.2 Model standing offers1035

11A.2.1 Definitions1035

11A.2.2 Extended meaning of some terms1036

11A.2.3 Transitional operation of relevant provisions1036

11A.2.4 Exclusions, qualifications and modifications1036

11A.2.5 References1037

Part C Savings and transitional rules for Chapter 7A1037

11A.3 Existing metering installations1038
11A.4 Testing metering installations.....1038
11A.5 Metering data services database and related requirements1039
11A.6 Communication guideline1040
11A.7 Timeframes for meters to be installed1040