

National Electricity Rules As in force in the Northern Territory Version 75

Historical Information

This version of the National Electricity Rules As in force in the Northern Territory was current from 22 July 2021 to 18 August 2021.

National Electricity Rules As in force in the Northern Territory

Version 75

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 22 July 2021.

This consolidated version of the NT NER reflects the current version of the National Electricity Rules (version 169) 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.	Introduction	3
1.1	Preliminary.....	3
1.1.1	References to the Rules	3
1.1.2	Italicised expressions	3
1.1.3	[Deleted]	3
1.2	Background	3
1.3	Nomenclature of and references to provisions of a Chapter	3
1.3.1A1	Definitions	3
1.3.1	Introduction.....	3
1.3.2	Parts, Divisions and Subdivisions.....	3
1.3.3	Rules, clauses, paragraphs, subparagraphs and other items	4
1.4	Effect of renumbering of provisions of the Rules	5
1.5	[Deleted]	5
1.6	[Deleted]	5
1.7	Interpretation.....	5
1.7.1	General.....	5
1.7.1A	Inconsistency with National Measurement Act	6
1.7.1B	Instruments	6
1.8	Notices.....	7
1.8.1	Service of notices under the Rules.....	7
1.8.2	Time of service	7
1.8.3	Counting of days.....	8
1.8.4	Reference to addressee	8
1.9	Retention of Records and Documents.....	8
1.9A	NTESMO's costs in connection with these Rules	8
1.10	[Deleted]	8
1.11	AEMO Rule Funds	8
2.	Registered Participants and Registration	13
2A.	Regional Structures.....	17
3.	Market Rules	21
4.	Power System Security	25
4A.	Retailer Reliability Obligation	29
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	Liabe Entities	40
4A.D.1	Application	40
4A.D.2	Liabe 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	86
5.2	Obligations.....	86
5.2.1	Obligations of Registered Participants	86
5.2.2	Connection agreements.....	87
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 designated network asset owners	98
5.2A	Transmission network connection and access.....	98

5.2A.1	Application	98
5.2A.2	Relevant assets	98
5.2A.3	Connection and access to transmission services	100
5.2A.4	Transmission services related to connection	102
5.2A.5	Publication and provision of information	106
5.2A.6	Negotiating principles	106
5.2A.7	Third party owned network assets and network operating agreements	107
5.2A.8	Access framework for designated network assets	108
5.3	Establishing or Modifying Connection	111
5.3.1	Process and procedures	111
5.3.1A	Application of rule to connection of embedded generating units	112
5.3.2	Connection enquiry	112
5.3.3	Response to connection enquiry	114
5.3.4	Application for connection	118
5.3.4A	Negotiated access standards	119
5.3.4B	System strength remediation for new connections	123
5.3.5	Preparation of offer to connect	126
5.3.6	Offer to connect	127
5.3.7	Finalisation of connection agreements and network operating agreements	130
5.3.8	Provision and use of information	132
5.3.9	Procedure to be followed by a Generator proposing to alter a generating system	134
5.3.10	Acceptance of performance standards for generating plant that is altered	136
5.3.11	Notification of request to change normal voltage	136
5.3A	Establishing or modifying connection - embedded generation	137
5.3A.A1	Definitions	137
5.3A.1	Application of rule 5.3A	137
5.3A.2	Miscellaneous	138
5.3A.3	Publication of Information	138
5.3A.4	Fees	140
5.3A.5	Enquiry	141
5.3A.6	Response to Enquiry	142
5.3A.7	Preliminary Response to Enquiry	142
5.3A.8	Detailed Response to Enquiry	143
5.3A.9	Application for connection	144
5.3A.10	Preparation of offer to connect	145
5.3A.11	Technical Dispute	146
5.3A.12	Network support payments and functions	146
5.3AA	Access arrangements relating to Distribution Networks	147
5.3B	Application for connection to declared shared network	150
5.4	Independent Engineer	151
5.4.1	Application	151
5.4.2	Establishment of a pool	151
5.4.3	Initiating the Independent Engineer process	152
5.4.4	Referral to the Adviser	152

5.4.5	Proceedings and decisions of the Independent Engineer	153
5.4.6	Costs of the Independent Engineer	154
5.4A	[Deleted]	154
5.4AA	[Deleted]	154
5.5	Commercial arbitration for prescribed and negotiated transmission services and DNA services	154
5.5.1	Application	154
5.5.2	Notification of dispute	155
5.5.3	Appointment of commercial arbitrator	155
5.5.4	Procedures of commercial arbitrator	156
5.5.5	Powers of commercial arbitrator in determining disputes	156
5.5.6	Determination of disputes	157
5.5.7	Costs of dispute	158
5.5.8	Enforcement of agreement or determination and requirement for reasons	159
5.5.9	Miscellaneous	159
5.5A	[Deleted]	159
Part C	Post-Connection Agreement matters	159
5.6	Design of Connected Equipment	159
5.6.1	Application	159
5.6.2	Advice of inconsistencies	160
5.6.3	Additional information	160
5.6.4	Advice on possible non-compliance	160
5.6A	[Deleted]	161
5.7	Inspection and Testing	161
5.7.1	Right of entry and inspection	161
5.7.2	Right of testing	163
5.7.3	Tests to demonstrate compliance with connection requirements for generators	164
5.7.3A	Tests to demonstrate compliance with system strength remediation schemes	166
5.7.4	Routine testing of protection equipment	167
5.7.5	Testing by Registered Participants of their own plant requiring changes to normal operation	169
5.7.6	Tests of generating units requiring changes to normal operation	171
5.7.7	Inter-network power system tests	172
5.7.8	Functional specifications compliance	178
5.8	Commissioning	178
5.8.1	Requirement to inspect and test equipment	178
5.8.2	Co-ordination during commissioning	179
5.8.3	Control and protection settings for equipment	179
5.8.4	Commissioning program	180
5.8.5	Commissioning tests	181
5.9	Disconnection and Reconnection	181
5.9.1	Voluntary disconnection	181
5.9.2	Decommissioning procedures	182

5.9.3	Involuntary disconnection	182
5.9.4	Direction to disconnect	183
5.9.4A	Notification of disconnection	184
5.9.5	Disconnection during an emergency	184
5.9.6	Obligation to reconnect.....	184
Part D	Network Planning and Expansion.....	185
5.10	Network development generally	185
5.10.1	Content of Part D	185
5.10.2	Definitions	186
5.10.3	Interpretation.....	191
5.11	Forecasts of connection to transmission network and identification of system limitations.....	191
5.11.1	Forecasts for connection to transmission network.....	191
5.11.2	Identification of network limitations	192
5.12	Transmission annual planning process.....	193
5.12.1	Transmission annual planning review	193
5.12.2	Transmission Annual Planning Report.....	194
5.13	Distribution annual planning process.....	198
5.13.1	Distribution annual planning review	198
5.13.2	Distribution Annual Planning Report	200
5.13.3	Distribution system limitation template.....	200
5.13A	Distribution zone substation information.....	201
5.14	Joint planning.....	204
5.14.1	Joint planning obligations of Transmission Network Service Providers and Distribution Network Service Providers.....	204
5.14.2	Joint planning obligations of Distribution Network Service Providers and Distribution Network Service Providers.....	205
5.14.3	Joint planning obligations of Transmission Network Service Providers	206
5.14.4	Joint ISP planning by Transmission Network Service Providers and AEMO.....	206
5.14A	Joint planning in relation to retirement or de-ratings of network assets forming part of the Declared Shared Network	207
5.14B	TAPR Guidelines	207
5.14B.1	Development of TAPR Guidelines	207
5.15	Regulatory investment tests generally	207
5.15.1	Interested parties	207
5.15.2	Identification of a credible option.....	208
5.15.3	Review of costs thresholds	209
5.15.4	Costs determinations.....	211
5.15A	Regulatory investment test for transmission.....	211
5.15A.1	General principles and application	211
5.15A.2	Principles for RIT-T projects which are not actionable ISP projects	212
5.15A.3	Principles for actionable ISP projects.....	214

5.16	Application of RIT-T to RIT-T projects which are not actionable ISP projects.....	216
5.16.1	Application	216
5.16.2	Regulatory investment test for transmission application guidelines	216
5.16.3	Investments subject to the regulatory investment test for transmission	218
5.16.4	Regulatory investment test for transmission procedures	220
5.16.5	[Deleted]	227
5.16.6	[Deleted]	227
5.16A	Application of the RIT-T to actionable ISP Projects	227
5.16A.1	Application	227
5.16A.2	Cost Benefit Analysis Guidelines	227
5.16A.3	Actionable ISP projects subject to the RIT-T	227
5.16A.4	Regulatory investment test for transmission procedures	228
5.16A.5	Actionable ISP project trigger event.....	231
5.16B	Disputes in relation to application of regulatory investment test for transmission	231
5.17	Regulatory investment test for distribution	234
5.17.1	Principles	234
5.17.2	Regulatory investment test for distribution application guidelines	236
5.17.3	Projects subject to the regulatory investment test for distribution	237
5.17.4	Regulatory investment test for distribution procedures	239
5.17.5	Disputes in relation to application of regulatory investment test for distribution.....	244
5.18	Construction of funded augmentations	245
5.18A	Generator connections.....	246
5.18A.1	Definitions	246
5.18A.2	Register of generator connections	247
5.18A.3	Impact assessment of large generator connections	247
5.18B	Completed embedded generation projects	249
5.18B.1	Definitions	249
5.18B.2	Register of completed embedded generation projects	249
5.19	SENE Design and Costing Study.....	249
5.19.1	Definitions	249
5.19.2	Interpretation.....	250
5.19.3	Request for SENE Design and Costing Study	250
5.19.4	Content of SENE Design and Costing Study	251
5.19.5	Co-operation of other Network Service Providers	252
5.19.6	Publication of SENE Design and Costing Study report	253
5.19.7	Provision and use of information.....	253
5.20	System security reports	254
5.20.1	Definitions	254
5.20.2	Publication of NSCAS methodology	254
5.20.3	Publication of NSCAS Report	254
5.20.4	Inertia requirements methodology	255
5.20.5	Publication of Inertia Report	255
5.20.6	Publication of system strength requirements methodologies	255

5.20.7	Publication of System Strength Report.....	256
5.20A	Frequency management planning	257
5.20A.1	Power system frequency risk review	257
5.20A.2	Power system frequency risk review process	258
5.20A.3	Power system frequency risk review report.....	258
5.20A.4	Request for protected event declaration.....	259
5.20A.5	Request to revoke a protected event declaration	259
5.20B	Inertia sub-networks and requirements	260
5.20B.1	Boundaries of inertia sub-networks	260
5.20B.2	Inertia requirements	260
5.20B.3	Inertia shortfalls	261
5.20B.4	Inertia Service Provider to make available inertia services	262
5.20B.5	Inertia support activities	264
5.20B.6	Inertia network services information and approvals.....	265
5.20C	System strength requirements	267
5.20C.1	System strength requirements.....	267
5.20C.2	Fault level shortfalls	268
5.20C.3	System Strength Service Provider to make available system strength services.....	268
5.20C.4	System strength services information and approvals.....	270
5.21	AEMO's obligation to publish information and guidelines and provide advice	272
5.22	Integrated System Plan	274
5.22.1	Duty of AEMO to make Integrated System Plan	274
5.22.2	Purpose of the ISP	274
5.22.3	Power system needs.....	274
5.22.4	ISP timetable.....	274
5.22.5	Guidelines relevant to the ISP	275
5.22.6	Content of Integrated System Plan	276
5.22.7	ISP consumer panel	278
5.22.8	Preliminary consultations	279
5.22.9	AER transparency review on Inputs, Assumptions and Scenarios Report	279
5.22.10	Preparation of ISP	280
5.22.11	Draft Integrated System Plan.....	282
5.22.12	Non-network options	283
5.22.13	AER transparency review of draft Integrated System Plan	284
5.22.14	Final Integrated System Plan	284
5.22.15	ISP updates	285
5.22.16	ISP database.....	286
5.22.17	Jurisdictional planning bodies and jurisdictional planning representatives	286
5.22.18	NTP Functions	287
5.23	Disputes in relation to an ISP	287
5.23.1	Disputing party	287
5.23.2	Initial AER review	288
5.23.3	Provision of further information	288
5.23.4	AER determination	288

5.24	REZ design reports and joint REZ planning	289
5.24.1	REZ design reports	289
5.24.2	Joint REZ planning by jurisdictional planning bodies and AEMO	292
Schedule 5.1a	System standards	292
S5.1a.1	Purpose	292
S5.1a.2	Frequency	293
S5.1a.3	System stability	293
S5.1a.4	Power frequency voltage	293
S5.1a.5	Voltage fluctuations	294
S5.1a.6	Voltage waveform distortion	294
S5.1a.7	Voltage unbalance	295
S5.1a.8	Fault clearance times	296
Schedule 5.1	Network Performance Requirements to be Provided or Co-ordinated by Network Service Providers	297
S5.1.1	Introduction	297
S5.1.2	Network reliability	298
S5.1.2.1	Credible contingency events	298
S5.1.2.2	Network service within a region	299
S5.1.2.3	Network service between regions	300
S5.1.3	Frequency variations	300
S5.1.4	Magnitude of power frequency voltage	300
S5.1.5	Voltage fluctuations	301
S5.1.6	Voltage harmonic or voltage notching distortion	302
S5.1.7	Voltage unbalance	303
S5.1.8	Stability	304
S5.1.9	Protection systems and fault clearance times	305
S5.1.10	Load, generation and network control facilities	308
S5.1.10.1	General	308
S5.1.10.1a	Emergency frequency control schemes	309
S5.1.10.2	Distribution Network Service Providers	310
S5.1.10.3	Transmission Network Service Providers	310
S5.1.11	Automatic reclosure of transmission or distribution lines	311
S5.1.12	Rating of transmission lines and equipment	311
S5.1.13	Information to be provided	312
Schedule 5.2	Conditions for Connection of Generators	312
S5.2.1	Outline of requirements	312
S5.2.2	Application of Settings	313
S5.2.3	Technical matters to be coordinated	314
S5.2.4	Provision of information	314
S5.2.5	Technical requirements	317
S5.2.5.1	Reactive power capability	317
S5.2.5.2	Quality of electricity generated	319
S5.2.5.3	Generating system response to frequency disturbances	319
S5.2.5.4	Generating system response to voltage disturbances	322
S5.2.5.5	Generating system response to disturbances following contingency events	324
S5.2.5.6	Quality of electricity generated and continuous uninterrupted operation	332
S5.2.5.7	Partial load rejection	332

S5.2.5.8	Protection of generating systems from power system disturbances	333
S5.2.5.9	Protection systems that impact on power system security	334
S5.2.5.10	Protection to trip plant for unstable operation	336
S5.2.5.11	Frequency control	337
S5.2.5.12	Impact on network capability	340
S5.2.5.13	Voltage and reactive power control	341
S5.2.5.14	Active power control	347
S5.2.6	Monitoring and control requirements	349
S5.2.6.1	Remote Monitoring.....	349
S5.2.6.2	Communications equipment	351
S5.2.7	Power station auxiliary supplies	352
S5.2.8	Fault current.....	353
Schedule 5.3	Conditions for Connection of Customers	354
S5.3.1a	Introduction to the schedule.....	354
S5.3.1	Information	355
S5.3.2	Design standards	357
S5.3.3	Protection systems and settings	357
S5.3.4	Settings of protection and control systems	358
S5.3.5	Power factor requirements	359
S5.3.6	Balancing of load currents	360
S5.3.7	Voltage fluctuations.....	360
S5.3.8	Harmonics and voltage notching	361
S5.3.9	Design requirements for Network Users' substations	361
S5.3.10	Load shedding facilities	362
Schedule 5.3a	Conditions for connection of Market Network Services	362
S5.3a.1a	Introduction to the schedule.....	362
S5.3a.1	Provision of Information.....	363
S5.3a.2	Application of settings	365
S5.3a.3	Technical matters to be co-ordinated.....	366
S5.3a.4	Monitoring and control requirements	366
S5.3a.4.1	Remote Monitoring.....	366
S5.3a.4.2	[Deleted]	367
S5.3a.4.3	Communications equipment	367
S5.3a.5	Design standards	368
S5.3a.6	Protection systems and settings	368
S5.3a.7	[Deleted]	369
S5.3a.8	Reactive power capability.....	369
S5.3a.9	Balancing of load currents	370
S5.3a.10	Voltage fluctuations.....	370
S5.3a.11	Harmonics and voltage notching	370
S5.3a.12	Design requirements for Market Network Service Providers' substations.....	371
S5.3a.13	Market network service response to disturbances in the power system	371
S5.3a.14	Protection of market network services from power system disturbances	372
Schedule 5.4	Information to be Provided with Preliminary Enquiry	373
Schedule 5.4A	Preliminary Response.....	373

Schedule 5.4B	Detailed Response to Enquiry.....	375
Schedule 5.5	Technical Details to Support Application for Connection and Connection Agreement.....	377
S5.5.1	Introduction to the schedule.....	378
S5.5.2	Categories of data	378
S5.5.3	Review, change and supply of data	379
S5.5.4	Data Requirements.....	379
S5.5.5	Asynchronous generating unit data	380
S5.5.6	Generating units smaller than 30MW data	380
S5.5.7	Power System Design Data Sheet, Power System Setting Data Sheet and Power System Model Guidelines	380
Schedule 5.5.1	[Deleted]	383
Schedule 5.5.2	[Deleted]	383
Schedule 5.5.3	Network and plant technical data of equipment at or near connection point.....	383
Schedule 5.5.4	Network Plant and Apparatus Setting Data	386
Schedule 5.5.5	Load Characteristics at Connection Point.....	388
Schedule 5.6	Terms and Conditions of Connection agreements and network operating agreements	389
Part A	Connection agreements	389
Part B	Network Operating Agreements	391
Schedule 5.7	Annual Forecast Information for Planning Purposes	391
Schedule 5.8	Distribution Annual Planning Report	393
Schedule 5.9	Demand side engagement document (clause 5.13.1(h)).....	399
Schedule 5.10	Information requirements for Primary Transmission Network Service Providers (clause 5.2A.5)	401
Schedule 5.11	Negotiating principles for negotiated transmission services (clause 5.2A.6)	404
Schedule 5.12	Negotiating principles for DNA services.....	406
5A.	Electricity connection for retail customers	411
Part A	Preliminary.....	411
5A.A.1	Definitions	411
5A.A.2	Application of this Chapter.....	414
5A.A.3	Small Generation Aggregator deemed to be agent of a retail customer.....	414
Part B	Standardised offers to provide basic and standard connection services	415
Division 1	Basic connection services	415
5A.B.1	Obligation to have model standing offer to provide basic connection services.....	415
5A.B.2	Proposed model standing offer for basic connection services.....	415
5A.B.3	Approval of terms and conditions of model standing offer to provide basic connection services	416

Division 2	Standard connection services.....	417
5A.B.4	Standard connection services.....	417
5A.B.5	Approval of model standing offer to provide standard connection services	418
Division 3	Miscellaneous	419
5A.B.6	Amendment etc of model standing offer	419
5A.B.7	Publication of model standing offers	419
Part C	Negotiated connection	420
5A.C.1	Negotiation of connection.....	420
5A.C.2	Process of negotiation.....	420
5A.C.3	Negotiation framework.....	420
5A.C.4	Fee to cover cost of negotiation.....	422
Part D	Application for connection service	423
Division 1	Information	423
5A.D.1	Publication of information.....	423
5A.D.1A	Register of completed embedded generation projects	423
Division 2	Preliminary enquiry	424
5A.D.2	Preliminary enquiry	424
Division 3	Applications.....	425
5A.D.3	Application process	425
5A.D.4	Site inspection.....	426
Part E	Connection charges.....	427
5A.E.1	Connection charge principles	427
5A.E.2	Itemised statement of connection charges	428
5A.E.3	Connection charge guidelines.....	428
5A.E.4	Payment of connection charges	430
Part F	Formation and integration of connection contracts	431
Division 1	Offer and acceptance – basic and standard connection services.....	431
5A.F.1	Distribution Network Service Provider's response to application	431
5A.F.2	Acceptance of connection offer	431
5A.F.3	Offer and acceptance—application for expedited connection.....	432
Division 2	Offer and acceptance – negotiated connection.....	432
5A.F.4	Negotiated connection offer	432
Division 3	Formation of contract.....	433
5A.F.5	Acceptance of connection offer	433
Division 4	Contractual performance.....	433
5A.F.6	Carrying out connection work	433
5A.F.7	Retailer required for energisation where new connection	434
Part G	Dispute resolution between Distribution Network Service Providers and customers.....	434
5A.G.1	Relevant disputes.....	434
5A.G.2	Determination of dispute	434
5A.G.3	Termination of proceedings.....	435
Schedule 5A.1	Minimum content requirements for connection contract.....	435

Part A	Connection offer not involving embedded generation	435
Part B	Connection offer involving embedded generation	436
6.	Economic Regulation of Distribution Services	441
Part A	Introduction.....	441
6.0	Operation of Chapter 6 in this jurisdiction	441
6.0A	Interpretation.....	441
6.1	Introduction to Chapter 6.....	442
6.1.1	AER's regulatory responsibility	442
6.1.1A	[Deleted]	442
6.1.2	Structure of this Chapter	442
6.1.3	Access to direct control services and negotiated distribution services	443
6.1.4	Prohibition of DUOS charges for the export of energy	444
Part B	Classification of Distribution Services and Distribution Determinations.....	444
6.2	Classification	444
6.2.1	Classification of distribution services.....	444
6.2.2	Classification of direct control services as standard control services or alternative control services	444
6.2.3	Term for which classification operates.....	445
6.2.3A	Distribution Service Classification Guidelines.....	445
6.2.4	Duty of AER to make distribution determinations	446
6.2.5	Control mechanisms for direct control services	446
6.2.6	Basis of control mechanisms for direct control services	448
6.2.7	Negotiated distribution services	448
6.2.8	Guidelines	448
Part C	Building Block Determinations for standard control services	449
6.3	Building block determinations.....	449
6.3.1	Introduction.....	449
6.3.2	Contents of building block determination	449
6.4	Post-tax revenue model	450
6.4.1	Preparation, publication and amendment of post-tax revenue model.....	450
6.4.2	Contents of post-tax revenue model	450
6.4.3	Building block approach.....	451
6.4.4	Shared assets.....	452
6.4.5	Expenditure Forecast Assessment Guidelines	454
6.4A	Capital expenditure incentive mechanisms	454
6.4B	Asset exemptions	455
6.4B.1	Asset exemption decisions and Asset Exemption Guidelines	455
6.4B.2	Exemption applications	456
6.5	Matters relevant to the making of building block determinations.....	457
6.5.1	Regulatory asset base.....	457

6.5.2	Return on capital.....	458
6.5.3	Estimated cost of corporate income tax.....	458
6.5.4	[Deleted].....	458
6.5.5	Depreciation.....	458
6.5.6	Forecast operating expenditure.....	459
6.5.7	Forecast capital expenditure.....	461
6.5.8	Efficiency benefit sharing scheme.....	466
6.5.8A	Capital expenditure sharing scheme.....	467
6.5.9	The X factor.....	468
6.5.10	Pass through events.....	469
6.6	Adjustments after making of building block determination.	469
6.6.1	Cost pass through.....	469
6.6.1AA	Cost pass through – deemed determinations.....	476
6.6.1AB	Cost pass through – NT events.....	477
6.6.1A	Reporting on jurisdictional schemes.....	482
6.6.2	Service target performance incentive scheme.....	483
6.6.3	Demand management incentive scheme.....	484
6.6.3A	Demand management innovation allowance mechanism.....	485
6.6.4	Small-scale incentive scheme.....	486
6.6.5	Reopening of distribution determination for capital expenditure.....	487
6.6A	Contingent Projects	491
6.6A.1	Acceptance of a contingent project in a distribution determination.....	491
6.6A.2	Amendment of distribution determination for contingent project.....	492
Part D	Negotiated distribution services	497
6.7	Negotiated distribution services	497
6.7.1	Principles relating to access to negotiated distribution services.....	497
6.7.2	Determination of terms and conditions of access for negotiated distribution services.....	499
6.7.3	Negotiating framework determination.....	499
6.7.4	Negotiated Distribution Service Criteria determination.....	499
6.7.5	Preparation of and requirements for negotiating framework for negotiated distribution services.....	500
6.7.6	Confidential information.....	502
Part DA	Connection policies	502
6.7A	Connection policy requirements.....	502
6.7A.1	Preparation of, and requirements for, connection policy.....	502
Part E	Regulatory proposal and proposed tariff structure statement.....	503
6.8	Regulatory proposal and proposed tariff structure statement.....	503
6.8.1	AER's framework and approach paper.....	503
6.8.1A	Notification of approach to forecasting expenditure.....	505
6.8.2	Submission of regulatory proposal, tariff structure statement and exemption application.....	506
6.9	Preliminary examination and consultation	508
6.9.1	Preliminary examination.....	508
6.9.2	Resubmission of proposal.....	508
6.9.2A	Confidential information.....	508

6.9.3	Consultation.....	509
6.10	Draft distribution determination and further consultation.....	510
6.10.1	Making of draft distribution determination	510
6.10.2	Publication of draft determination and consultation.....	510
6.10.3	Submission of revised proposal	511
6.10.4	Submissions on specified matters	512
6.11	Distribution determination	512
6.11.1	Making of distribution determination	512
6.11.1A	Out of scope revised regulatory proposal or late submissions	513
6.11.2	Notice of distribution determination.....	513
6.11.3	Commencement of distribution determination	514
6.12	Requirements relating to draft and final distribution determinations.....	514
6.12.1	Constituent decisions	514
6.12.2	Reasons for decisions	517
6.12.3	Extent of AER's discretion in making distribution determinations	518
6.13	Revocation and substitution of distribution determination for wrong information or error	519
6.14	Miscellaneous	520
6.14A	Distribution Confidentiality Guidelines	520
Part F	Cost Allocation	521
6.15	Cost allocation	521
6.15.1	Duty to comply with Cost Allocation Method	521
6.15.2	Cost Allocation Principles	521
6.15.3	Cost Allocation Guidelines.....	522
6.15.4	Cost Allocation Method.....	523
Part G	Distribution consultation procedures	524
6.16	Distribution consultation procedures	524
Part H	Ring-Fencing Arrangements for Distribution Network Service Providers.....	525
6.17	Distribution Ring-Fencing Guidelines	525
6.17.1	Compliance with Distribution Ring-Fencing Guidelines	525
6.17.1B	Application of Distribution Ring-Fencing Guidelines in this jurisdiction	526
6.17.2	Development of Distribution Ring-Fencing Guidelines.....	526
Part I	Distribution Pricing Rules	527
6.18	Distribution Pricing Rules	527
6.18.1	Application of this Part.....	527
6.18.1A	Tariff structure statement.....	527
6.18.1B	Amending a tariff structure statement with the AER's approval	528
6.18.1C	Sub-threshold tariffs	529
6.18.2	Pricing proposals	530
6.18.3	Tariff classes	531

6.18.4	Principles governing assignment or re-assignment of retail customers to tariff classes and assessment and review of basis of charging	532
6.18.5	Pricing principles	532
6.18.6	Side constraints on tariffs for standard control services	534
6.18.7	Recovery of designated pricing proposal charges	535
6.18.7A	Recovery of jurisdictional scheme amounts	536
6.18.8	Approval of pricing proposal	539
6.18.9	Publication of information about tariffs and tariff classes	540
6.19	Data Required for Distribution Service Pricing	541
6.19.1	Forecast use of networks by Distribution Customers and Embedded Generators	541
6.19.2	Confidentiality of distribution network pricing information	541
Part J	Billing and Settlements	541
6.20	Billing and Settlements Process	541
6.20.1	Billing for distribution services	541
6.20.2	Minimum information to be provided in distribution network service bills	543
6.20.3	Settlement between Distribution Network Service Providers	543
6.20.4	Obligation to pay	543
Part K	Prudential requirements, capital contributions and prepayments	544
6.21	Distribution Network Service Provider Prudential Requirements	544
6.21.1	Prudential requirements for distribution network service	544
6.21.2	Capital contributions, prepayments and financial guarantees	545
6.21.3	Treatment of past prepayments and capital contributions	545
Part L	Dispute resolution	545
6.22	Dispute Resolution	545
6.22.1	Dispute Resolution by the AER	545
6.22.2	Determination of dispute	546
6.22.3	Termination of access dispute without access determination	547
Part M	Separate disclosure of transmission and distribution charges	547
6.23	Separate disclosure of transmission and distribution charges	547
Part N	Dual Function Assets	548
6.24	Dual Function Assets	549
6.24.1	Application of this Part	549
6.24.2	Dual Function Assets	549
6.25	AER determination of applicable pricing regime for Dual Function Assets	549
6.26	Division of Distribution Network Service Provider's revenue	550
Part O	Annual Benchmarking Report	551
6.27	Annual Benchmarking Report	551

Part P	Distribution Reliability Measures Guidelines	552
6.28	Distribution Reliability Measures Guidelines	552
Schedule 6.1	Contents of building block proposals.....	552
S6.1.1	Information and matters relating to capital expenditure.....	552
S6.1.2	Information and matters relating to operating expenditure	554
S6.1.3	Additional information and matters	555
Schedule 6.2	Regulatory Asset Base	558
S6.2.1	Establishment of opening regulatory asset base for a regulatory control period.....	558
S6.2.2	Prudency and efficiency of capital expenditure.....	562
S6.2.2A	Reduction for inefficient past capital expenditure.....	563
S6.2.2B	Depreciation.....	565
S6.2.3	Roll forward of regulatory asset base within the same regulatory control period.....	566
S6.2.3A	Establishment of opening regulatory asset base for distribution system in this jurisdiction for 1st regulatory control period.....	567
6A.	Economic Regulation of Transmission Services.....	573
6B.	Retail Markets	577
7.	Metering	581
7A.	Metering	585
Part A	Introduction.....	585
7A.1	Introduction to the Metering Chapter	585
7A.1.1	Purpose and application	585
7A.1.2	Contents	585
7A.1.3	Definitions	585
7A.1.4	Inconsistency	586
Part B	Roles and Responsibilities	586
7A.2	Role and responsibility of financially responsible participant	586
7A.3	Role and responsibility of Metering Coordinator.....	587
7A.3.1	Responsibility of the Metering Coordinator	587
7A.3.2	Role of the Metering Coordinator.....	588
7A.4	Qualification and requirements of Metering Providers and Metering Data Providers.....	590
7A.4.1	Qualification and requirements of Metering Providers	590
7A.4.2	Qualification and requirements of Metering Data Providers.....	590
Part C	Appointment of Metering Coordinator	591
7A.5	Appointment of Metering Coordinator	591
Part D	Metering installation	592
7A.6	Metering installation arrangement	592

7A.6.1	Metering installation requirements	592
7A.6.2	Metering installation components.....	592
7A.6.3	Emergency management.....	595
7A.6.4	Network devices	595
7A.6.5	Metering point	595
7A.6.6	Metering installation types and accuracy.....	596
7A.6.7	Functionality requirements for type 1, 2, 3 and 4 metering installations	596
7A.6.8	Meter churn.....	596
7A.6.9	Metering installation malfunctions	597
7A.6.10	Timeframes for meters to be installed – new connection	598
7A.6.11	Timeframes for meters to be installed – where a connection service is not required	598
7A.6.12	Timeframes for meters to be installed – where a connection alteration is required	599
7A.6.13	Changing a metering installation	600
7A.6.14	Prepayment metering	601
7A.7	Maintenance, inspection, testing and auditing of metering installations.....	601
7A.7.1	Maintenance.....	601
7A.7.2	Responsibility for inspection and testing.....	602
7A.7.3	Actions in event of non-compliance	603
7A.7.4	Audits of information held in metering installations	604
7A.7.5	Appointment of external auditor.....	604
7A.7.6	Errors found in metering tests, inspections or audits.....	605
7A.7.7	Retention of test records and documents	605
Part E	Metering data	606
7A.8	Metering data services.....	606
7A.8.1	Metering data services	606
7A.8.2	Collection of energy data and estimation of metering data	607
7A.8.3	Data management and storage	608
7A.8.4	Provision of metering data to certain persons.....	609
7A.8.5	Use of check metering data.....	610
7A.8.6	Periodic energy metering	610
7A.8.7	Verification of metering data Metering installations other than type 7 metering installations.....	611
7A.8.8	Time settings.....	612
7A.8.9	Metering data performance standards.....	612
7A.9	Metering data and data base	614
7A.9.1	Metering database	614
7A.9.2	Data validation, substitution and estimation.....	615
7A.9.3	Changes to energy data or to metering data.....	615
7A.10	Register of metering information	616
7A.10.1	Metering register.....	616
7A.10.2	Metering installation registration process.....	616
7A.10.3	Metering register discrepancy.....	616
7A.11	Disclosure of information	617
7A.11.1	Provision of data to retailers	617

7A.12	Metering data provision to <i>retail customers</i>	618
Part F	Security of metering installations and energy data	618
7A.13	Security of metering installations, energy data and metering data.....	618
7A.13.1	Confidentiality of data	618
7A.13.2	Security of metering installations	618
7A.13.3	Security controls for energy data	619
7A.13.4	Additional security controls for type 4 metering installations.....	620
7A.13.5	Access to data	621
Schedule 7A.1	Metering register	622
S7A.1.1	General.....	622
S7A.1.2	Metering register information.....	623
S7A.1.3	Communication guideline.....	623
Schedule 7A.2	Metering provider.....	623
Schedule 7A.3	Metering data provider	623
Schedule 7A.4	Types and accuracy of metering installations	623
S7A.4.1	General requirements.....	623
S7A.4.2	Accuracy requirements for metering installations	624
S7A.4.3	Check metering	628
S7A.4.4	Resolution and accuracy of displayed or captured data.....	629
S7A.4.5	General design standards	630
S7A.4.5.1	Design requirements	630
S7A.4.5.2	Design guidelines.....	630
Schedule 7A.5	Metering functionality requirements for type 1, 2, 3 and 4 metering requirements	631
S7A.5.1	Introduction.....	631
S7A.5.1.1	Purpose	631
S7A.5.1.2	Definitions	631
S7A.5.2	Functionality Requirements for Meters in Type 1, 2, and 3 metering installations	631
S7A.5.2.1	Application	631
S7A.5.2.2	Applicable meter configurations.....	632
S7A.5.2.3	Metrology	632
S7A.5.3	Functionality Requirements for Meters in Type 4 metering installations	632
S7A.5.3.1	Application	632
S7A.5.3.2	Applicable meter configurations.....	632
S7A.5.3.3	Metrology	633
S7A.5.3.4	Remote and local reading of meters	633
S7A.5.3.5	Supply disconnection and reconnection	634
S7A.5.3.5.1	General requirements.....	634
S7A.5.3.5.2	Disconnection	634
S7A.5.3.5.3	Reconnection	634
S7A.5.3.6	Time clock synchronisation.....	635
S7A.5.3.7	Quality of Supply and other event recording.....	635
S7A.5.3.8	Tamper detection	636
S7A.5.3.9	Communications and data security	636

S7A.5.3.10	Remote firmware upgrades	636
S7A.5.3.11	Remote arming	636
Schedule 7A.6	Inspection and testing requirements	636
S7A.6.1	General	636
S7A.6.2	Technical guidelines	638
Schedule 7A.7	Metrology procedure	639
Part A		639
S7A.7.1	Introduction	639
S7A.7.1.1	General	639
S7A.7.1.2	Definitions	639
S7A.7.1.3	Relevant retailer	640
Part B		640
S7A.7.2	Purpose and scope	640
S7A.7.2.1	Purpose	640
S7A.7.2.2	Scope	641
S7A.7.3	Metering provision	641
S7A.7.3.1	Responsibility for metering provision	641
S7A.7.3.2	Metering installation components	641
S7A.7.3.3	Use of optical ports and pulse outputs	642
S7A.7.3.4	Load control equipment	643
S7A.7.3.5	Data storage requirements for meters	643
S7A.7.3.6	Metering installation clock	643
S7A.7.3.7	Interval meters	643
S7A.7.3.8	Alarm settings	644
S7A.7.3.9	Summation metering	644
S7A.7.3.10		644
S7A.7.3.11	Routine testing and inspection of metering installations	644
S7A.7.3.12	Requests for testing type 1 – 6 metering installations	645
S7A.7.4	Installation of meters and de-commissioning	646
S7A.7.4.1	General installation requirements	646
S7A.7.4.2	Type 4A, 5 and 6 metering installations	646
S7A.7.4.3	Preliminary de-commissioning and removal of metering equipment requirements	646
S7A.7.4.4		646
S7A.7.5		647
S7A.7.6	Responsibility for metering data services	647
S7A.7.6.1	Metering data storage	647
S7A.7.6.2	Verification of metering data for type 4, 4A, 5, 6 and 7 installations	647
S7A.7.6.3	Metering installation type 7 – sample testing	648
S7A.7.6.4	Request for text of calculated metering data	649
S7A.7.6.5	NTESMO's metering data substitution obligations	650
Part C		650
S7A.7.7	Purpose and scope	650
S7A.7.7.1	Purpose	650
S7A.7.7.2	Scope	650
S7A.7.8	Principles for validation, substitution and estimation	650
S7A.7.8.1	General validation, substitution and estimation requirements	650
S7A.7.8.2	Substitution requirements	650

S7A.7.8.3	Estimation requirement.....	651
S7A.7.8.4	Metering data quality flags	652
S7A.7.8.5	Final substitution	652
S7A.7.9	Substitution for acquisition of metering data from remotely read metering installations.....	653
S7A.7.9.1	Application of S7A.7.9	653
S7A.7.9.2	Substitution rules	653
S7A.7.9.3	Substitution types.....	655
S7A.7.10	Substitution and estimation for manually read interval metering installations	658
S7A.7.10.1	Application of S7A.7.10	658
S7A.7.10.2	Substitution and estimation rules.....	658
S7A.7.10.3	Substitution and estimation types	659
S7A.7.11	Substitution and estimation for metering installations with accumulated metering data	661
S7A.7.11.1	Substitution and estimation rules.....	661
S7A.7.11.2	Substitution and estimation types	663
S7A.7.12	Substitution and estimation for calculated metering data.....	664
S7A.7.12.1	Substitution rules	664
S7A.7.12.2	Substitution and estimation types	665
S7A.7.13	Data validation requirements	666
S7A.7.13.1	Validation requirements for all metering installations	666
S7A.7.13.2	Validation of interval metering data alarms	666
S7A.7.13.3	Validation within the meter reading process for manually read metering installations.....	667
S7A.7.13.4	Validation as part of the registration process.....	667
S7A.7.13.5	Validation of metering data	668
S7A.7.14	Determination of metering data for unmetered loads	674
S7A.7.14.1	Load table	674
S7A.7.14.2	Controlled unmetered devices	675
S7A.7.14.3	Uncontrolled unmetered devices	679
Schedule 7A.8	Service level procedures	680
Part A	Introduction.....	680
S7A.8.1	Introduction.....	680
S7A.8.1.1	Purpose and scope.....	680
S7A.8.1.2	Definitions	680
Part B	Metering provider services	681
S7A.8.2	Introduction.....	681
S7A.8.2.1	Purpose and exclusions.....	681
S7A.8.2.2	Services	681
S7A.8.3	General requirements.....	681
S7A.8.3.1	Metering Provider capability and competency	681
S7A.8.3.2	Use of contractors	682
S7A.8.3.3	Insurance	682
S7A.8.4	Device management and test equipment	683
S7A.8.4.1	Procurement.....	683
S7A.8.4.2	Storage, handling and transport	683
S7A.8.4.3	Management of test equipment.....	683
S7A.8.4.4	Management of meter programming and authorised software	684

S7A.8.5	Installation and commissioning requirements	684
S7A.8.5.1	General commissioning requirements	684
S7A.8.5.2	Metering data validation requirements	685
S7A.8.6	Metering installation maintenance	686
S7A.8.6.1	Test plans	686
S7A.8.6.2	Management of metering installation malfunctions	686
S7A.8.6.3	Telecommunications	686
S7A.8.6.4	Non-conforming test results or calibrations	687
S7A.8.7	Systems and administration	687
S7A.8.7.1	Register of metering installations	687
S7A.8.7.2	Disaster recovery	688
S7A.8.7.3	Audits undertaken by the Utilities Commission	688
Part C	Metering Data Provider services	688
S7A.8.8	Introduction	688
S7A.8.8.1	Purpose	688
S7A.8.8.2	Obligations	689
S7A.8.9	Service requirements	691
S7A.8.9.1	System requirements	691
S7A.8.9.2	Metering data services database	692
S7A.8.9.3	Exception reports	692
S7A.8.9.4	Collection process requirements	692
S7A.8.9.5	Specific collection process requirements for remotely read metering installations	693
S7A.8.9.6	Specific collection process requirements for manually read metering installations	693
S7A.8.9.7	Metering data processing requirements	694
S7A.8.9.8	Specific metering data processing requirements for type 1, 2, 3 and 4 metering installations	695
S7A.8.9.9	Specific metering data processing requirements for type 7 metering installations	695
S7A.8.9.10	Specific metering data estimation requirements for manually read and type 7 metering installations	696
S7A.8.9.11	Delivery performance requirements for metering data	696
S7A.8.10	Data management following the alteration of type of metering installation at a connection point	698
S7A.8.10.1	Meter churn scenarios	698
S7A.8.10.2	Scenario 1	699
S7A.8.10.3	Scenario 2	699
S7A.8.10.4	Scenario 3	699
S7A.8.10.5	Scenario 4	699
S7A.8.11	System architecture and administration	700
S7A.8.11.1	Metering data archival and recovery	700
S7A.8.11.2	Data backup	701
S7A.8.11.3	Disaster recovery	701
S7A.8.11.4	System administration and data management	702
S7A.8.12	Quality control	702
S7A.8.12.1	Audits	702
S7A.8.12.2	Corrective action	703
S7A.8.13.1	Administration	703
S7A.8.13.2	Quality systems	704

8.	Administrative Functions	707
Part A	Introductory	707
8.1	Administrative functions	707
8.1.1	[Deleted]	707
8.1.2	[Deleted]	707
8.1.3	Structure of this Chapter	707
Part B	Disputes.....	707
Part C	Registered Participants' confidentiality obligations.....	708
8.6	Confidentiality.....	708
8.6.1	Confidentiality	708
8.6.1A	Application	709
8.6.2	Exceptions.....	709
8.6.3	Conditions	710
8.6.4	[Deleted]	711
8.6.5	Indemnity to AER, AEMC and AEMO	711
8.6.6	AEMO information.....	711
8.6.7	Information on Rules Bodies	711
Part D	Monitoring and reporting	711
8.7	Monitoring and Reporting	711
8.7.1	Monitoring	711
8.7.2	Reporting requirements and monitoring standards for Registered Participants	712
8.7.3	Consultation required for making general regulatory information order (Section 28H of the NEL)	714
8.7.4	Preparation of network service provider performance report (Section 28V of the NEL).....	715
8.7.5	[Deleted]	715
8.7.6	Recovery of reporting costs	715
Part E	Reliability panel	716
8.8	Reliability Panel.....	716
8.8.1	Purpose of Reliability Panel	716
8.8.2	Constitution of the Reliability Panel.....	717
8.8.3	Reliability Panel review process.....	719
8.8.4	Determination of protected events	722
Part F	Rules consultation procedures.....	723
8.9	Rules Consultation Procedures	723
Part G	Consumer advocacy funding	725
8.10	Consumer advocacy funding obligation	726
Part H	Augmentations	726
8.11	Augmentations	726
8.11.1	Application	726
8.11.2	Object.....	726
8.11.3	Definitions	727
8.11.4	Planning criteria.....	727

8.11.5	Construction of augmentation that is not a contestable augmentation.....	728
8.11.6	Contestable augmentations	728
8.11.7	Construction and operation of contestable augmentation.....	729
8.11.8	Funded augmentations that are not subject to the tender process.....	730
8.11.9	Contractual requirements and principles	731
8.11.10	Annual planning review.....	731
Schedule 8.11	Principles to be reflected in agreements relating to contestable augmentations	732
S8.11.1	Risk allocation	732
S8.11.2	Minimum requirements for agreements relating to contestable augmentation.....	733
S8.11.3	Matters to be dealt with in relevant agreements	733
Part I	Values of customer reliability	734
8.12	Development of methodology and publication of values of customer reliability	734
8A.	Participant Derogations.....	739
Part 1	Derogations Granted to TransGrid	739
8A.1	[Deleted].....	739
Part 2	Derogations Granted to EnergyAustralia	739
8A.2	[Deleted].....	739
8A.2A	[Deleted].....	739
Part 3	[Deleted].....	739
Part 4	[Deleted].....	739
Part 5	[Deleted].....	739
Part 6	Derogations Granted to Victorian Market Participants	739
Part 7	[Deleted].....	740
Part 8	[Deleted].....	740
Part 9	[Deleted].....	740
Part 10	[Deleted].....	740
Part 11	[Deleted].....	740
Part 12	[Deleted].....	740
Part 13	Derogation granted to Aurora Energy (Tamar Valley) Pty Ltd	740
8A.13	[Deleted].....	740
Part 14	Derogations granted to Ausgrid, Endeavour Energy and Essential Energy.....	740
8A.14	Derogations from Chapter 6 for the current regulatory control period and subsequent regulatory control period	740
8A.14.1	Definitions	740

8A.14.2	Expiry date.....	744
8A.14.3	Application of Rule 8A.14.....	744
8A.14.4	Recovery of revenue across the current regulatory control period and subsequent regulatory control period.....	745
8A.14.5	Recovery of revenue in subsequent regulatory control period only and no reopening of subsequent distribution determination required.....	746
8A.14.6	Recovery of revenue in subsequent regulatory control period only and reopening of distribution determination is required.....	747
8A.14.7	Requirements for adjustment determination.....	748
8A.14.8	Application of Chapter 6 under participant derogation	749
Part 15	Derogations granted to ActewAGL.....	750
8A.15	Derogations from Chapter 6 for the current regulatory control period and subsequent regulatory control period	750
8A.15.1	Definitions	750
8A.15.2	Expiry date.....	754
8A.15.3	Application of Rule 8A.15.....	754
8A.15.4	Recovery of revenue across the current regulatory control period and subsequent regulatory control period.....	754
8A.15.5	Recovery of revenue in subsequent regulatory control period only and no reopening of subsequent distribution determination required.....	756
8A.15.6	Recovery of revenue in subsequent regulatory control period only and reopening of distribution determination is required.....	757
8A.15.7	Requirements for adjustment determination.....	759
8A.15.8	Application of Chapter 6 under participant derogation	759
9.	Jurisdictional Derogations and Transitional Arrangements	765
9.1	Purpose and Application	765
9.1.1	Purpose	765
9.1.2	Jurisdictional Derogations	765
Part A	Jurisdictional Derogations for Victoria	765
9.2	[Deleted]	765
9.3	Definitions.....	765
9.3.1	General Definitions.....	765
9.3.2	[Deleted]	766
9.3A	Fault levels	766
9.4	Transitional Arrangements for Chapter 2 - Registered Participants, Registration and Cross Border Networks	767
9.4.1	[Deleted]	767
9.4.2	Smelter Trader	767
9.4.3	Smelter Trader: compliance.....	768
9.4.4	Report from AER.....	770
9.4.5	Cross Border Networks.....	770
9.5	Transitional Arrangements for Chapter 3 – Reliability and Emergency Reserve Trader	771
9.5.1	Definition	771

9.5.2	Expiry date.....	771
9.5.3	Multi-year Victorian contracts – term and volume.....	771
9.5.4	Multi-year Victorian contracts - reporting.....	772
9.6	Transitional Arrangements for Chapter 4 - System Security	773
9.6.1	Operating Procedures (clause 4.10.1)	773
9.6.2	Nomenclature Standards (clause 4.12)	773
9.7	Transitional Arrangements for Chapter 5 - Network Connection	773
9.7.1	[Deleted]	773
9.7.2	[Deleted]	773
9.7.3	[Deleted]	773
9.7.4	Regulation of Distribution Network Connection.....	773
9.7.5	[Deleted]	774
9.7.6	[Deleted]	774
9.7.7	[Deleted]	774
9.8	Transitional Arrangements for Chapter 6 - Network Pricing.....	774
9.8.1	[Deleted]	774
9.8.2	[Deleted]	774
9.8.3	[Deleted]	774
9.8.4	Transmission Network Pricing	774
9.8.4A	[Deleted]	776
9.8.4B	[Deleted]	776
9.8.4C	[Deleted]	776
9.8.4D	[Deleted]	776
9.8.4E	[Deleted]	776
9.8.4F	[Deleted]	776
9.8.4G	[Deleted]	776
9.8.5	[Deleted]	776
9.8.6	[Deleted]	776
9.8.7	Distribution network pricing – transitional application of former Chapter 6.....	776
9.8.8	Exclusion of AER's power to aggregate distribution systems and parts of distribution systems	777
9.9	Transitional Arrangements for Chapter 7 - Metering	777
9.9.1	Metering Installations To Which This Schedule Applies.....	777
9.9.2	[Deleted]	778
9.9.3	[Deleted]	778
9.9.4	[Deleted]	778
9.9.5	[Deleted]	778
9.9.6	[Deleted]	778
9.9.7	[Deleted]	778
9.9.8	[Deleted]	778
9.9.9	Periodic Energy Metering (clause 7.9.3)	778
9.9.10	Use of Alternate Technologies (clause 7.13).....	778
9.9A	[Deleted]	779
9.9B	[Deleted]	779
9.9C	[Deleted]	779

1.	Interpretation of tables	779
2.	Continuing effect	779
3.	Subsequent agreement	780
4.	[Deleted]	780
5.	Reactive Power Capability (clause S5.2.5.1 of schedule 5.2)	780
6.	[Deleted]	781
7.	[Deleted]	781
8.	[Deleted]	781
9.	[Deleted]	781
10.	[Deleted]	781
11.	[Deleted]	781
12.	[Deleted]	781
13.	Governor Systems (load control) (clause S5.2.5.11 of schedule 5.2)	781
14.	[Deleted]	781
15.	[Deleted]	781
16.	Excitation Control System (clause S5.2.5.13 of schedule 5.2)	781
Part B	Jurisdictional Derogations for New South Wales	782
9.10	[Deleted]	782
9.11	Definitions	782
9.11.1	Definitions used in this Part B	782
9.12	Transitional Arrangements for Chapter 2 - Generators, Registered Participants, Registration and Cross Border Networks	783
9.12.1	[Deleted]	783
9.12.2	Customers	783
9.12.3	Power Traders	783
9.12.4	Cross Border Networks	786
9.13	[Deleted]	787
9.14	Transitional Arrangements for Chapter 4 - System Security	787
9.14.1	Power System Operating Procedures	787
9.15	NSW contestable services for Chapter 5A	787
9.15.1	Definitions	787
9.15.2	Chapter 5A not to apply to certain contestable services	787
9.16	Transitional Arrangements for Chapter 6 - Network Pricing	787
9.16.1	NSW contestable services	787
9.16.2	[Deleted]	787
9.16.3	Jurisdictional Regulator	787
9.16.4	Deemed Regulated Interconnector	788
9.16.5	[Deleted]	788
9.17	Transitional Arrangements for Chapter 7 - Metering	788
9.17.1	Extent of Derogations	788
9.17.2	Initial Registration (clause 7.1.2)	788
9.17.3	Amendments to Schedule 9G1	788
9.17.4	Compliance with AS/NZ ISO 9002 (clause S7.4.3(f) of schedule 7.4)	789
9.17A	[Deleted]	789

9.18	[Deleted]	789
Part C	Jurisdictional Derogations for the Australian Capital Territory	789
9.19	[Deleted]	789
9.20	Definitions and Transitional Arrangements for Cross-Border Networks	789
9.20.1	Definitions	789
9.20.2	Cross Border Networks.....	789
9.21	[Deleted]	790
9.22	[Deleted]	790
9.23	Transitional Arrangements for Chapter 6 - Network Pricing	790
9.23.1	[Deleted]	790
9.23.2	[Deleted]	790
9.23.3	[Deleted].....	790
9.23.4	[Deleted]	790
9.24	Transitional Arrangements	790
9.24.1	Chapter 7 - Metering.....	790
9.24.2	[Deleted]	790
9.24A	[Deleted]	790
Part D	Jurisdictional Derogations for South Australia	790
9.25	Definitions	790
9.25.1	[Deleted]	790
9.25.2	Definitions	790
9.26	Transitional Arrangements for Chapter 2 - Registered Participants, Registration And Cross Border Networks	793
9.26.1	Registration as a Generator.....	793
9.26.2	Registration as a Customer	794
9.26.3	Cross Border Networks.....	794
9.26.4	[Deleted]	794
9.26.5	Registration as a Network Service Provider	794
9.27	[Deleted]	795
9.28	Transitional Arrangements for Chapter 5 - Network Connection	795
9.28.1	Application of clause 5.2	795
9.28.2	[Deleted]	796
9.29	Transitional Arrangements for Chapter 6 - Economic Regulation of Distribution Services	796
9.29.1	[Deleted]	796
9.29.2	[Deleted]	796
9.29.3	[Deleted]	796
9.29.4	[Deleted]	796
9.29.5	Distribution Network Pricing – South Australia	796
9.29.6	Capital contributions, prepayments and financial guarantees	797
9.29.7	Ring fencing.....	797
9.29A	Monitoring and reporting	797

9.30	Transitional Provisions	798
9.30.1	Chapter 7 - Metering.....	798
Part E	Jurisdictional Derogations for Queensland.....	798
9.31	[Deleted]	798
9.32	Definitions and Interpretation.....	798
9.32.1	Definitions	798
9.32.2	Interpretation.....	801
9.33	Transitional Arrangements for Chapter 1	801
9.33.1	[Deleted]	801
9.34	Transitional Arrangements for Chapter 2 - Registered Participants and Registration.....	801
9.34.1	Application of the Rules in Queensland (clauses 2.2 and 2.5)	801
9.34.2	Stanwell Cross Border Leases (clause 2.2).....	801
9.34.3	[Deleted]	801
9.34.4	Registration as a Customer (clause 2.3.1)	801
9.34.5	There is no clause 9.34.5	802
9.34.6	Exempted generation agreements (clause 2.2)	802
9.35	[Deleted]	806
9.36	[Deleted]	806
9.37	Transitional Arrangements for Chapter 5 - Network Connection.....	806
9.37.1	[Deleted]	806
9.37.2	Existing connection and access agreements (clause 5.2).....	806
9.37.3	[Deleted]	807
9.37.4	[Deleted]	807
9.37.5	Forecasts for connection points to transmission network (clause 5.11.1)	807
9.37.6	There is no clause 9.37.6	807
9.37.7	Cross Border Networks.....	807
9.37.8	[Deleted]	808
9.37.9	Credible contingency events (clause S5.1.2.1 of schedule 5.1).....	808
9.37.10	Reactive power capability (clause S5.2.5.1 of schedule 5.2)	808
9.37.11	[Deleted]	809
9.37.12	Voltage fluctuations (clause S5.1.5 of schedule 5.1).....	809
9.37.13	[Deleted]	811
9.37.14	[Deleted]	811
9.37.15	[Deleted]	811
9.37.16	[Deleted]	811
9.37.17	[Deleted]	811
9.37.18	[Deleted]	811
9.37.19	Generating unit response to disturbances (clause S5.2.5.3 of schedule 5.2)	811
9.37.20	[Deleted]	811
9.37.21	Excitation control system (clause S.5.2.5.13 of schedule 5.2)	811
9.37.22	[Deleted]	812
9.37.23	Annual forecast information for planning purposes (schedule 5.7).....	812

9.38	Transitional Arrangements for Chapter 6 - Network Pricing.....	812
9.38.1	[Deleted]	812
9.38.2	[Deleted]	812
9.38.3	[Deleted]	812
9.38.4	Interconnectors between regions	812
9.38.5	Transmission pricing for exempted generation agreements	812
9.39	Transitional Arrangements for Chapter 7 - Metering	813
9.39.1	Metering installations to which this clause applies	813
9.39.2	[Deleted]	814
9.39.3	[Deleted]	814
9.39.4	[Deleted]	814
9.39.5	[Deleted]	814
9.40	Transitional Arrangements for Chapter 8 - Administration	
	Functions	814
9.40.1	[Deleted]	814
9.40.2	[Deleted]	814
9.40.3	[Deleted]	814
9.41	[Deleted]	814
Part F	Jurisdictional Derogations for Tasmania	815
9.42	Definitions and interpretation	815
9.42.1	Definitions	815
9.42.2	Interpretation.....	816
9.42.3	National grid, power system and related expressions.....	816
9.43	[Deleted]	817
9.44	Transitional arrangements for Chapter 2 – Registered	
	Participants and Registration - Customers (clause 2.3.1(e)).....	817
9.45	Tasmanian Region (clause 3.5)	817
9.47	Transitional arrangements for Chapter 5- Network Connection	817
9.47.1	Existing Connection Agreements	817
9.48	Transitional arrangements - Transmission and Distribution	
	Pricing.....	817
9.48.4A	Ring fencing.....	817
9.48.4B	Uniformity of tariffs for small customers	818
9.48.5	Transmission network.....	818
9.48.6	Deemed regulated interconnector	818
Part G	Schedules to Chapter 9	818
1.	Introduction.....	818
2.	[Deleted]	818
3.	General Principle	818
4.	[Deleted]	819
5.	Accuracy Requirements.....	819
6.	[Deleted]	819
7.	[Deleted]	819
8.	[Deleted]	819
9.	[Deleted]	819

10.	[Deleted]	819
10.	Glossary	823
11.	Savings and Transitional Rules.....	945
Part ZZJ	Demand management incentive scheme	945
11.82	Rules consequential on making of the National Electricity Amendment (Demand management incentive scheme) Rule 2015	945
11.82.1	Definitions	945
11.82.2	AER to develop and publish the demand management incentive scheme and demand management innovation allowance mechanism	945
Part ZZM	Common definitions of distribution reliability measures	945
11.85	Rules consequential on the making of the National Electricity Amendment (Common definitions of distribution reliability measures) Rule 2015	945
11.85.1	Definitions	945
11.85.2	Distribution reliability measures guidelines	946
11.85.3	Amended STPIS	946
11.86.8	Distribution Ring Fencing Guidelines	946
Part ZZU	Rate of Return Guidelines Review	946
11.93	Rules consequential on the making of the National Electricity Amendment (Rate of Return Guidelines Review) Rule 2016	946
11.93.1	Definitions	946
11.93.2	Application of current rate of return guidelines to making of a distribution determination for the subsequent regulatory control period	947
Part ZZV	Demand Response Mechanism and Ancillary Services Unbundling.....	948
11.94	Rules consequential on the making of the National Electricity Amendment (Demand Response Management and Ancillary Services Unbundling) rule 2016.....	948
11.94.1	Definitions	948
11.94.2	Participant fees for Market Ancillary Service Providers	948
Part ZZW	Local Generation Network Credits	948
11.95	Rules consequential on the making of the National Electricity Amendment (Local Generation Network Credits) Rule 2016	948
11.95.1	Definitions	948
11.95.2	System limitation template	948
Part ZZY	Emergency Frequency Control Schemes.....	949
11.97	Rules consequent on the making of the National Electricity Amendment (Emergency frequency control schemes) Rule 2017	949
11.97.1	Definitions	949
11.97.2	Interim frequency operating standards for protected events.....	949

11.97.3	First power system frequency risk review	950
11.97.4	AEMO must review existing load shedding procedures	950
11.97.5	Load shedding procedures	950
Part ZZZ	Transmission Connection and Planning Arrangements	951
11.98	Rules consequential on the making of the National Electricity Amendment (Transmission Connection and Planning Arrangements) Rule 2017	951
11.98.1	Definitions	951
11.98.2	Grandfathering of existing dedicated connection assets.....	952
11.98.3	Preparatory steps for registration changes under the Amending Rule.....	952
11.98.4	Participant fees for Dedicated Connection Asset Service Providers	953
11.98.5	Existing Connection Agreements	953
11.98.6	Connection process	953
11.98.7	Transmission Annual Planning Report.....	954
11.98.8	Preservation for adoptive jurisdictions	954
Part ZZZA	Replacement expenditure planning arrangements.....	954
11.99	Rules consequential on the making of the National Electricity Amendment (Replacement expenditure planning arrangements) Rule 2017	954
11.99.1	Definitions	954
11.99.3	Transitional arrangements for affected DNSPs	955
11.99.4	Amendments to RIT documentation.....	956
11.99.5	Transitional arrangements relating to excluded projects	956
11.99.6	Transitional arrangements relating to Victorian bushfire mitigation projects.....	956
11.99.7	Transitional arrangements relating to review of costs thresholds.....	957
Part ZZZB	Managing the rate of change of power system frequency.....	957
11.100	Rules consequential on the making of the National Electricity Amendment (Managing the rate of change of power system frequency) Rule 2017.....	957
11.100.1	Definitions	957
11.100.2	Inertia sub-networks	958
11.100.3	Inertia requirements methodology	958
11.100.4	Inertia requirements	958
11.100.5	NSCAS not to be used to meet an inertia shortfall after 1 July 2019	959
11.100.6	Inertia network services may be used to meet an NSCAS gap declared in the NSCAS transition period.....	959
11.100.7	Inertia network services made available before the commencement date.....	960
Part ZZZC	Managing power system fault levels	960
11.101	Rules consequential on the making of the National Electricity Amendment (Managing power system fault levels) Rule 2017.....	960
11.101.1	Definitions	960
11.101.2	System strength impact assessment guidelines.....	962
11.101.3	System strength requirements methodology.....	962
11.101.4	System strength requirements.....	962

11.101.5	NSCAS not to be used to meet a fault level shortfall after 1 July 2019	963
11.101.6	System strength services may be used to meet an NSCAS gap declared in the NSCAS transition period.....	963
11.101.7	Withdrawal of a system strength-related NSCAS gap already declared.....	964
11.101.8	System strength services made available before the commencement date.....	964
Part ZZZD	Generating System Model Guidelines.....	964
11.102	Making of Power System Model Guidelines	964
Part ZZZE	Five Minute Settlement	965
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	965
11.103.1	Definitions	965
11.103.2	Amendments to procedures	965
11.103.3.	Exemption for certain metering installations.....	966
11.103.4	New or replacement meters	967
11.103.5	Metering installations exempt from metering data provision requirements	967
11.103.6	Exemption from meter data storage requirements.....	967
11.103.7	Default offers and bids submitted prior to the commencement date	967
Part ZZZF	Contestability of energy services	967
11.104	Rules consequential on the making of the National Electricity Amendment (Contestability of energy services) Rule 2017	967
11.104.1	Definitions	967
11.104.2	New guidelines	969
11.104.3	Transitional arrangements for application of Distribution Service Classification Guidelines and service classification provisions	969
11.104.4	Transitional arrangements for application of Asset Exemption Guidelines, exemption applications and asset exemption decisions.....	969
11.104.5	Transitional arrangements for adjustment in value of regulatory asset base	971
Part ZZZG	Declaration of lack of reserve conditions.....	971
11.105	Making of lack of reserve declaration guidelines	971
11.105.1	Definitions	971
11.105.2	Making of lack of reserve declaration guidelines.....	971
Part ZZZH	Implementation of demand management incentive scheme	972
11.106	Implementation of demand management incentive scheme	972
11.106.1	Definitions	972
11.106.2	Purpose	972
11.106.3	Early application of revised demand management incentive scheme	972
Part ZZZI	Reinstatement of long notice Reliability and Emergency Reserve Trader.....	974

11.107	Rules consequential on the making of the National Electricity Amendment (Reinstatement of long notice Reliability and Emergency Reserve Trader) Rule 2018.....	974
11.107.1	Definitions	974
11.107.2	New RERT guidelines	974
11.107.3	Amendments to RERT procedures	977
11.107.4	Reserve contracts entered into before the commencement date	978
Part ZZZJ	Register of distributed energy resources	978
11.108	Rules consequential on the making of the National Electricity Amendment (Register of distributed energy resources) Rule 2018	978
11.108.1	Definitions	978
11.108.2	AEMO to develop and publish DER register information guidelines	978
11.108.3	NSPs to provide AEMO with existing DER generation information	978
Part ZZZK	Generator technical performance standards	978
11.109	Rules consequential on the making of the National Electricity Amendment (Generator technical performance standards) Rule 2018	978
11.109.1	Definitions	978
11.109.2	Application of the Amending Rule to existing connection enquiries	979
11.109.3	Application of the Amending Rule to existing applications to connect.....	980
11.109.4	Application of the Amending Rule to existing offers to connect	982
11.109.5	Application of the Amending Rule to Existing Connection Agreements	983
Part ZZZL	Generator three year notice of closure	983
11.110	Rules consequential on the making of the National Electricity Amendment (Generator three year notice of closure) Rule 2018.....	983
11.110.1	Definitions	983
11.110.2	AER to develop and publish notice of closure exemption guideline.....	983
11.110.3	Application of Amending Rule to AEMO	984
11.110.4	Application of Amending Rule to Generators	984
Part ZZZM	Participant compensation following market suspension.....	984
11.111	Rules consequential on the making of the National Electricity Amendment (Participant compensation following market suspension) Rule 2018.....	984
11.111.1	Definitions	984
11.111.2	Market suspension compensation methodology and schedule of benchmark values	984
Part ZZZN	Global settlement and market reconciliation	985
11.112	Rules consequential on the making of the National Electricity Amendment (Global settlement and market reconciliation) Rule 2018 and the National Electricity Amendment (Delayed implementation of five minute and global settlement) Rule 2020	985
11.112.1	Definitions	985
11.112.2	Amendments to AEMO procedures.....	985

11.112.3	AEMO to publish report on unaccounted for energy trends.....	986
11.112.4	Continuation of registration for non-market generators	986
11.112.5	Publication of UFE data by AEMO	986
11.112.6	Publication of UFE reporting guidelines	986
Part ZZZO	Metering installation timeframes	986
11.113	Rules consequential on making of the National Electricity Amendment (Metering installation timeframes) Rule 2018	986
11.113.1	Definitions	986
11.113.2	Timeframes for meters to be installed	987
Part ZZZP	Early implementation of ISP priority projects	987
11.114	National Electricity Amendment (Early implementation of ISP priority projects) Rule 2019	987
11.114.1	Definitions	987
11.114.2	Modifications to clause 5.16.6 for ISP VNI and QNI projects.....	988
11.114.3	Modifications to clause 6A.8.2 for ISP projects.....	989
Part ZZZQ	Enhancement to the Reliability and Emergency Reserve Trader	991
11.115	Rules consequential on the making of the National Electricity Amendment (Enhancement to the reliability and emergency reserve trader) Rule 2019.....	991
11.115.1	Definitions	991
11.115.2	New RERT guidelines	992
11.115.3	Amendments to RERT procedures	992
11.115.4	Reserve contracts entered into before the commencement date	992
11.115.5	Clause 3.20.6 (Reporting on RERT by AEMO).....	992
Part ZZZR	Retailer Reliability Obligation.....	993
11.116	Rules consequential on the making of the National Electricity Amendment (Retailer Reliability Obligation) Rule 2019	993
11.116.1	Application	993
11.116.2	Reliability Instrument Guidelines	993
11.116.3	Forecasting Best Practice Guidelines	993
11.116.4	Reliability Forecast Guidelines.....	994
11.116.5	AER Opt-in Guidelines.....	994
11.116.6	Contracts and Firmness Guidelines	994
11.116.7	Qualifying contracts under interim Contracts and Firmness Guidelines	995
11.116.8	Grandfathering arrangements	995
11.116.9	Reliability Compliance Procedures and Guidelines	996
11.116.10	MLO Guidelines	996
11.116.11	Application of Part G, Divisions 2 – 6 (inclusive)	996
11.116.12	Interim deeming of MLO generators and MLO groups	997
11.116.13	MLO information template.....	1004
11.116.14	Initial MLO register.....	1004
11.116.15	Approved MLO products list.....	1004
11.116.16	Designated MLO exchange	1005
11.116.17	Five minute settlement intervals	1005
11.116.18	Review by AEMC.....	1005

Part ZZZS	Transparency of new projects	1005
11.117	Rules consequential on the making of the National Electricity Amendment (Transparency of new projects) Rule 2019.....	1005
11.117.1	Definitions	1005
11.117.2	Generation information page	1006
11.117.3	Generation information guidelines	1006
11.117.4	Provision and use of information.....	1006
Part ZZZT	Demand management incentive scheme and innovation allowance for TNSPs.....	1007
11.118	Rules consequential on the making of the National Electricity Amendment (Demand management incentive scheme and innovation allowance for TNSPs) Rule 2019	1007
11.118.1	Definitions	1007
11.118.2	AER to develop and publish the demand management innovation allowance mechanism	1007
Part ZZZU	Application of the regional reference node test to the Reliability and Emergency Reserve Trader	1007
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	1007
11.119.1	Definitions	1007
11.119.2	AEMO intervention event in effect on commencement date	1007
Part ZZZV	Improving Transparency and Extending Duration of MT PASA.....	1008
11.120	Rules consequential on the making of the National Electricity Amendment (Improving transparency and extending duration of MT PASA) Rule 2020	1008
11.120.1	AEMO to update spot market operations timetable	1008
Part ZZZW	Victorian jurisdictional derogation – RERT contracting	1008
11.121	Rules consequential on the making of the National Electricity Amendment (Victorian jurisdictional derogation - RERT contracting) Rule 2020	1008
11.121.1	Definitions	1008
11.121.2	Procedures.....	1008
Part ZZZX	Mandatory primary frequency response.....	1008
11.122	Rules consequential on the making of the National Electricity Amendment (Mandatory primary frequency response) Rule 2020	1008
11.122.1	Definitions	1008
11.122.2	Interim Primary Frequency Response Requirements	1009
11.122.3	Action taken prior to commencement.....	1009
Part ZZZY	System restart services, standards and testing.....	1010
11.123	Rules consequential on the making of the National Electricity Amendment (System restart services, standards and testing) Rule 2020	1010

11.123.1	Definitions	1010
11.123.2	SRAS Guideline.....	1010
11.123.3	System restart standard	1010
11.123.4	Communication protocols.....	1010
11.123.5	System restart tests	1011
Part ZZZZ	Introduction of metering coordinator planned interruptions	1011
11.124	Rules consequential on the making of the National Electricity Amendment (Introduction of metering coordinator planned interruptions) Rule 2020	1011
11.124.1	Definitions	1011
11.124.2	Amendments of the metrology procedure	1011
11.124.3	Market Settlement and Transfer Solutions Procedures	1012
11.124.4	Requirements of the metrology procedure	1012
Part ZZZZA	Wholesale demand response	1012
11.125	Rules consequential on the making of the National Electricity Amendment (Wholesale demand response mechanism) Rule 2020	1012
11.125.1	Definitions	1012
11.125.2	Wholesale demand response guidelines	1013
11.125.3	Baseline methodologies	1014
11.125.4	Wholesale demand response participation guidelines	1014
11.125.5	Extension of time for registration and aggregation	1014
11.125.6	Amendments to AEMO, AER and AEMC documents	1014
11.125.7	Amendments to the demand side participation information guidelines.....	1015
11.125.8	Amendment to RERT guidelines.....	1015
11.125.9	Renaming of Market Ancillary Service Providers.....	1016
11.125.10	Wholesale demand response annual reporting.....	1016
Part ZZZZB	Integrated System Planning Rules	1016
11.126	Rules consequential on the making of the National Electricity Amendment (Integrated System Planning) Rule 2020	1016
11.126.1	Definitions	1016
11.126.2	2020 Integrated System Plan	1017
11.126.3	Existing actionable ISP projects	1017
11.126.4	Existing actionable ISP projects at the clause 5.16.6 stage	1017
11.126.5	Existing actionable ISP projects prior to the clause 5.16.6 stage	1018
11.126.6	Existing RIT-T proponent has published a PSCR but not a PADR	1018
11.126.7	Cost Benefit Analysis Guidelines	1018
11.126.8	Forecasting Best Practice Guidelines	1019
11.126.9	Methodologies and reports	1019
11.126.10	AEMC review of ISP framework	1019
Part ZZZZC	Deferral of network charges	1020
11.127	Transitional arrangements made by the National Electricity Amendment (Deferral of network charges) Rule 2020 No. 11.....	1020
11.127.1	Definitions	1020
11.127.2	Deferral of payment of network charges	1020
11.127.3	Deferral of payment of charges for prescribed transmission services	1022

11.127.4	AER reporting.....	1022
11.127.5	Application of this Part.....	1023
Part ZZZZD	Interim reliability measure	1023
11.128	Rules consequential on the making of the National Electricity Amendment (Interim reliability measure) Rule 2020	1023
11.128.1	Definitions	1023
11.128.2	Expiry date.....	1024
11.128.3	Application of rule 3.20	1024
11.128.4	Reserve contracts for interim reliability reserves	1024
11.128.5	Interim reliability reserves – reporting	1026
11.128.6	AEMO exercise of RERT	1026
11.128.7	RERT guidelines.....	1026
11.128.8	RERT procedures.....	1027
11.128.9	Reliability standard implementation guidelines	1027
11.128.10	AEMO preparatory activities.....	1027
11.128.11	Reserve contracts entered into before the commencement date	1028
11.128.12	Review by the AEMC.....	1028
Part ZZZZE	Removal of intervention hierarchy	1029
11.129	Rules consequential on making of the National Electricity Amendment (Removal of intervention hierarchy) Rule 2020.....	1029
11.129.1	Definitions	1029
11.129.2	Procedures.....	1029
Part ZZZZF	Reallocation of National Transmission Planner costs	1030
11.130	Rule consequential on the making of the National Electricity Amendment (Reallocation of National Transmission Planner costs) Rule 2020.....	1030
11.130.1	Allocation of NTP costs.....	1030
Part ZZZZG	Transparency of unserved energy calculation	1031
11.131	Rules consequential on the making of the National Electricity Amendment (Transparency of unserved energy calculation) Rule 2020 No. 16	1031
11.131.1	<i>AEMO to update the reliability standard implementation guidelines</i>	<i>1031</i>
Part ZZZZH	Retailer Reliability Obligation trigger	1031
11.132	Rules consequential on the making of the National Electricity Amendment (Retailer Reliability Obligation trigger) Rule 2020	1031
11.132.1	Definitions	1031
11.132.2	Reliability standard.....	1031
11.132.3	AEMO request for a T-3 reliability instrument	1032
11.132.4	When a decision by the AER must be made.....	1032
11.132.5	Reliability Forecast Guidelines.....	1032
11.132.6	AEMO preparatory activities.....	1032
11.132.7	AER preparatory activities	1032
Part ZZZZI	Compensation following directions for services other than energy and market ancillary services	1032

11.133	Rules consequential on the making of the National Electricity Amendment (Compensation following directions for services other than energy and market ancillary services) Rule 2020	1032
11.133.1	Definitions	1032
11.133.2	Compensation process in effect on commencement date	1033
11.133.3	Direction in effect on commencement date	1033
Part ZZZZJ	Prudent discounts in an adoptive jurisdiction	1033
11.134	Rules consequential on the making of the National Electricity Amendment (Prudent discounts in an adoptive jurisdiction) Rule 2020 No. 19	1033
11.134.1	Definitions	1033
11.134.2	Prudent discount application before commencement date	1034
Part ZZZZK	Technical standards for Distributed Energy Resources	1034
11.135	Rules consequential on the making of the National Electricity Amendment (Technical standards for Distributed Energy Resources) Rule 2021 No. 1	1034
11.135.1	Definitions	1034
11.135.2	Application of the Amending Rule to existing connection applications	1034
11.135.3	Application of the Amending Rule to existing offers	1035
11.135.4	Application of the Amending Rule to existing connection contracts	1035
Part ZZZZL	Semi-scheduled generator dispatch obligations	1035
11.136	Rules consequential on the making of the National Electricity Amendment (Semi-scheduled generator dispatch obligations) Rule 2021	1035
11.136.1	AEMO to update power system operating procedure	1035
Part ZZZZM	Renewable energy zone planning	1035
11.137	Rule consequential on the making of the National Electricity Amendment (Renewable energy zone planning) Rule 2021	1035
11.137.1	Definitions	1035
11.137.2	Cost pass through for renewable energy zone planning	1036
11.137.3	AEMC review of REZ planning rules	1036
Part ZZZZN	Implementing a general power system risk review	1036
11.138	Rules consequential on the making of the National Electricity Amendment (Implementing a general power system risk review) Rule 2021	1036
11.138.1	Definitions	1036
11.138.2	First general power system risk review	1037
11.138.3	Last power system frequency risk review	1037
Part ZZZZO	Connection to dedicated connection assets	1037
11.139	Rules consequential on the making of the National Electricity Amendment (Connection to dedicated connection assets) Rule 2021	1037
11.139.1	Definitions	1037
11.139.2	Transition of existing small dedicated connection assets	1038

11.139.3	Grandfathering of existing large dedicated connection assets.....	1038
11.139.4	Conversion to a designated network asset	1039
11.139.5	Grandfathering of Existing Connection Agreements	1039
11.139.6	Connection process for large dedicated connection assets	1040
11.139.7	Connection process for small dedicated connection assets	1040
11.139.8	Connection enquiries after effective date	1041
11.139.9	PTNSP obligations with respect to the connection process.....	1041
11.139.10	Preparatory steps for guidelines and procedures under the Amending Rule	1042
Part ZZZZP	Fast frequency response market ancillary service.....	1042
11.140	Rules consequential on the making of the National Electricity Amendment (Fast frequency response market ancillary service) Rule 2021	1042
11.140.1	Definitions	1042
11.140.2	Amendments to market ancillary service specification	1042
11A.	NT Savings and Transitional Rules	1045
Part A	Savings and transitional rules for Chapter 5	1045
11A.1	Chapter 5 provisions.....	1045
Part B	Savings and transitional rules for Chapter 5A	1045
11A.2	Model standing offers	1045
11A.2.1	Definitions	1045
11A.2.2	Extended meaning of some terms	1046
11A.2.3	Transitional operation of relevant provisions	1046
11A.2.4	Exclusions, qualifications and modifications	1046
11A.2.5	References.....	1047
Part C	Savings and transitional rules for Chapter 7A	1047
11A.3	Existing metering installations	1048
11A.4	Testing metering installations.....	1048
11A.5	Metering data services database and related requirements	1049
11A.6	Communication guideline	1050
11A.7	Timeframes for meters to be installed	1050