**National Electricity Rules As in force in the Northern Territory Version 52**

**Historical Information**

This version of the National Electricity Rules As in force in the Northern Territory was current from 18 June 2020 to 30 June 2020.

National Electricity Rules As in force in the Northern Territory

Version 52

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 18 June 2020.

This consolidated version of the NT NER reflects the current version of the National Electricity Rules (version 142) 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](#_Toc256000000)

[1.1 Preliminary 3](#_Toc256000001)

[1.1.1 References to the Rules 3](#_Toc256000002)

[1.1.2 Italicised expressions 3](#_Toc256000003)

[1.1.3 [Deleted] 3](#_Toc256000004)

[1.2 Background 3](#_Toc256000005)

[1.3 Nomenclature of and references to provisions of a Chapter 3](#_Toc256000006)

[1.3.1 Introduction 3](#_Toc256000007)

[1.3.2 Parts, Divisions and Subdivisions 3](#_Toc256000008)

[1.3.3 Rules, clauses, paragraphs, subparagraphs and other items 4](#_Toc256000009)

[1.4 Effect of renumbering of provisions of the Rules 5](#_Toc256000010)

[1.5 [Deleted] 5](#_Toc256000011)

[1.6 [Deleted] 5](#_Toc256000012)

[1.7 Interpretation 5](#_Toc256000013)

[1.7.1 General 5](#_Toc256000014)

[1.7.1A Inconsistency with National Measurement Act 6](#_Toc256000015)

[1.7.1B Instruments 6](#_Toc256000016)

[1.8 Notices 7](#_Toc256000017)

[1.8.1 Service of notices under the Rules 7](#_Toc256000018)

[1.8.2 Time of service 7](#_Toc256000019)

[1.8.3 Counting of days 8](#_Toc256000020)

[1.8.4 Reference to addressee 8](#_Toc256000021)

[1.9 Retention of Records and Documents 8](#_Toc256000022)

[1.9A NTESMO’s costs in connection with these Rules 8](#_Toc256000023)

[1.10 [Deleted] 8](#_Toc256000024)

[1.11 AEMO Rule Funds 8](#_Toc256000025)

[2. Registered Participants and Registration 13](#_Toc256000026)

[2A. Regional Structures 17](#_Toc256000027)

[3. Market Rules 21](#_Toc256000028)

[4. Power System Security 25](#_Toc256000029)

[4A. Retailer Reliability Obligation 29](#_Toc256000030)

[Part A Introduction 29](#_Toc256000031)

[4A.A Definitions 29](#_Toc256000032)

[4A.A.1 Definitions 29](#_Toc256000033)

[4A.A.2 Forecast reliability gap materiality 32](#_Toc256000034)

[4A.A.3 One-in-two year peak demand forecast 32](#_Toc256000035)

[4A.A.4 Peak demand 32](#_Toc256000036)

[Part B Reliability Forecasts 33](#_Toc256000037)

[4A.B.1 Reliability forecast 33](#_Toc256000038)

[4A.B.2 Reliability forecast components 33](#_Toc256000039)

[4A.B.3 Supporting materials 34](#_Toc256000040)

[4A.B.4 Reliability Forecast Guidelines 34](#_Toc256000041)

[4A.B.5 AER Forecasting Best Practice Guidelines 35](#_Toc256000042)

[Part C Reliability Instruments 36](#_Toc256000043)

[Division 1 AEMO request for a reliability instrument 36](#_Toc256000044)

[4A.C.1 AEMO request for a reliability instrument 36](#_Toc256000045)

[4A.C.2 AEMO request for a T-3 reliability instrument 36](#_Toc256000046)

[4A.C.3 AEMO request for a T-1 reliability instrument 36](#_Toc256000047)

[4A.C.4 Related T-3 reliability instrument 37](#_Toc256000048)

[4A.C.5 Notification of a closed forecast reliability gap at T-1 37](#_Toc256000049)

[4A.C.6 Corrections to a request 37](#_Toc256000050)

[4A.C.7 Withdrawing a request 38](#_Toc256000051)

[Division 2 AER making of a reliability instrument 38](#_Toc256000052)

[4A.C.8 AER making of a reliability instrument 38](#_Toc256000053)

[4A.C.9 When a decision by the AER must be made 38](#_Toc256000054)

[4A.C.10 T-1 reliability instrument components 39](#_Toc256000055)

[4A.C.11 AER decision making criteria 39](#_Toc256000056)

[4A.C.12 Reliability Instrument Guidelines 39](#_Toc256000057)

[Part D Liable Entities 40](#_Toc256000058)

[4A.D.1 Application 40](#_Toc256000059)

[4A.D.2 Liable entities 40](#_Toc256000060)

[4A.D.3 New entrants 40](#_Toc256000061)

[4A.D.4 Application to register as large opt-in customer 41](#_Toc256000062)

[4A.D.5 Application to register as prescribed opt-in customer 42](#_Toc256000063)

[4A.D.6 Thresholds 42](#_Toc256000064)

[4A.D.7 Opt-in cut-off day 43](#_Toc256000065)

[4A.D.8 AER approval of applications 43](#_Toc256000066)

[4A.D.9 AER opt-in register 43](#_Toc256000067)

[4A.D.10 Changes to register 44](#_Toc256000068)

[4A.D.11 AER register taken to be correct 44](#_Toc256000069)

[4A.D.12 AEMO Opt-In Procedures 45](#_Toc256000070)

[4A.D.13 AER Opt-In Guidelines 45](#_Toc256000071)

[Part E Qualifying Contracts and Net Contract Position 46](#_Toc256000072)

[Division 1 Key concepts 46](#_Toc256000073)

[4A.E.1 Qualifying contracts 46](#_Toc256000074)

[4A.E.2 Net contract position 47](#_Toc256000075)

[Division 2 Firmness methodologies 47](#_Toc256000076)

[4A.E.3 Firmness methodology 47](#_Toc256000077)

[4A.E.4 Types of methodologies 48](#_Toc256000078)

[4A.E.5 Approval of a bespoke firmness methodology 48](#_Toc256000079)

[Division 3 Reporting net contract position 49](#_Toc256000080)

[4A.E.6 Reporting requirements 49](#_Toc256000081)

[Division 4 Adjustment of net contract position 50](#_Toc256000082)

[4A.E.7 Adjustment of net contract position 50](#_Toc256000083)

[Division 5 Contracts and Firmness Guidelines 51](#_Toc256000084)

[4A.E.8 Contracts and Firmness Guidelines 51](#_Toc256000085)

[Part F Compliance with the Retailer Reliability Obligation 52](#_Toc256000086)

[Division 1 Application 52](#_Toc256000087)

[4A.F.1 Application 52](#_Toc256000088)

[Division 2 Key concepts 52](#_Toc256000089)

[4A.F.2 Compliance TI 52](#_Toc256000090)

[4A.F.3 Share of one-in-two year peak demand forecast 52](#_Toc256000091)

[Division 3 AEMO notifications to AER 54](#_Toc256000092)

[4A.F.4 AEMO notification of compliance trading intervals 54](#_Toc256000093)

[4A.F.5 AEMO compliance report 54](#_Toc256000094)

[Division 4 AER assessment of compliance 54](#_Toc256000095)

[4A.F.6 Reliability Compliance Procedures and Guidelines 54](#_Toc256000096)

[4A.F.7 AER assessment 55](#_Toc256000097)

[4A.F.8 AER notification to AEMO for PoLR costs 55](#_Toc256000098)

[Division 5 Miscellaneous 56](#_Toc256000099)

[4A.F.9 Demand response information 56](#_Toc256000100)

[4A.F.10 PoLR cost procedures 56](#_Toc256000101)

[Part G Market Liquidity Obligation 56](#_Toc256000102)

[Division 1 Preliminary 56](#_Toc256000103)

[4A.G.1 Overview of Part G 56](#_Toc256000104)

[4A.G.2 Purpose and application 57](#_Toc256000105)

[Division 2 Market Generators and trading right holders 57](#_Toc256000106)

[4A.G.3 Market Generators and generator capacity 57](#_Toc256000107)

[4A.G.4 Trading rights and trading right holders 57](#_Toc256000108)

[Division 3 Trading groups 58](#_Toc256000109)

[4A.G.5 Trading group 58](#_Toc256000110)

[4A.G.6 Controlling entity 58](#_Toc256000111)

[Division 4 Traced capacity and trading group capacity 60](#_Toc256000112)

[4A.G.7 Traced capacity 60](#_Toc256000113)

[4A.G.8 Tracing capacity to trading groups 60](#_Toc256000114)

[4A.G.9 Trading group capacity 61](#_Toc256000115)

[Division 5 MLO generators and MLO groups 61](#_Toc256000116)

[4A.G.10 MLO group 61](#_Toc256000117)

[4A.G.11 MLO generator 61](#_Toc256000118)

[Division 6 Market Generator information 61](#_Toc256000119)

[4A.G.12 MLO register 61](#_Toc256000120)

[4A.G.13 Market Generator information 63](#_Toc256000121)

[4A.G.14 Applications to the AER 64](#_Toc256000122)

[Division 7 Liquidity period 64](#_Toc256000123)

[4A.G.15 Notices prior to a liquidity period 64](#_Toc256000124)

[4A.G.16 Duration of liquidity period 65](#_Toc256000125)

[Division 8 Liquidity obligation 65](#_Toc256000126)

[4A.G.17 Liquidity obligation 65](#_Toc256000127)

[4A.G.18 Performing a liquidity obligation 65](#_Toc256000128)

[4A.G.19 Volume limits 67](#_Toc256000129)

[4A.G.20 Appointment of MLO nominee 68](#_Toc256000130)

[4A.G.21 Exemptions 68](#_Toc256000131)

[Division 9 MLO products and MLO exchange 69](#_Toc256000132)

[4A.G.22 MLO products 69](#_Toc256000133)

[4A.G.23 MLO exchange 70](#_Toc256000134)

[Division 10 Miscellaneous 71](#_Toc256000135)

[4A.G.24 MLO compliance and reporting 71](#_Toc256000136)

[4A.G.25 MLO Guidelines 71](#_Toc256000137)

[Part H Voluntary Book Build 72](#_Toc256000138)

[4A.H.1 Purpose and application 72](#_Toc256000139)

[4A.H.2 Book Build Procedures 72](#_Toc256000140)

[4A.H.3 Commencement of voluntary book build 73](#_Toc256000141)

[4A.H.4 Participation in the voluntary book build 73](#_Toc256000142)

[4A.H.5 Book build fees 74](#_Toc256000143)

[4A.H.6 Reporting 74](#_Toc256000144)

[5. Network Connection Access, Planning and Expansion 77](#_Toc256000145)

[Part A Introduction 77](#_Toc256000146)

[5.1 Introduction to Chapter 5 77](#_Toc256000147)

[5.1.1 Structure of this Chapter 77](#_Toc256000148)

[5.1.2 Overview of Part B and connection and access under the Rules 77](#_Toc256000149)

[5.1.3 Definitions 80](#_Toc256000150)

[Part B Network Connection and Access 81](#_Toc256000151)

[5.1A Introduction to Part B 81](#_Toc256000152)

[5.1A.1 Purpose and Application 81](#_Toc256000153)

[5.1A.2 Principles 83](#_Toc256000154)

[5.1A.3 Dedicated connection asset service providers 83](#_Toc256000155)

[5.2 Obligations 84](#_Toc256000156)

[5.2.1 Obligations of Registered Participants 84](#_Toc256000157)

[5.2.2 Connection agreements 84](#_Toc256000158)

[5.2.3 Obligations of network service providers 85](#_Toc256000159)

[5.2.3A Obligations of Market Network Service Providers 90](#_Toc256000160)

[5.2.4 Obligations of customers 91](#_Toc256000161)

[5.2.5 Obligations of Generators 93](#_Toc256000162)

[5.2.6 Obligations of AEMO 94](#_Toc256000163)

[5.2.6A AEMO review of technical requirements for connection 95](#_Toc256000164)

[5.2.7 Obligations of Dedicated Connection Asset Service Providers 95](#_Toc256000165)

[5.2A Transmission network connection and access 96](#_Toc256000166)

[5.2A.1 Application 96](#_Toc256000167)

[5.2A.2 Relevant assets 96](#_Toc256000168)

[5.2A.3 Connection and access to transmission services 97](#_Toc256000169)

[5.2A.4 Transmission services related to connection 99](#_Toc256000170)

[5.2A.5 Publication and provision of information 102](#_Toc256000171)

[5.2A.6 Negotiating principles 102](#_Toc256000172)

[5.2A.7 Third party IUSAs 103](#_Toc256000173)

[5.2A.8 Access framework for large dedicated connection assets 104](#_Toc256000174)

[5.3 Establishing or Modifying Connection 106](#_Toc256000175)

[5.3.1 Process and procedures 106](#_Toc256000176)

[5.3.1A Application of rule to connection of embedded generating units 107](#_Toc256000177)

[5.3.2 Connection enquiry 107](#_Toc256000178)

[5.3.3 Response to connection enquiry 108](#_Toc256000179)

[5.3.4 Application for connection 112](#_Toc256000180)

[5.3.4A Negotiated access standards 114](#_Toc256000181)

[5.3.4B System strength remediation for new connections 117](#_Toc256000182)

[5.3.5 Preparation of offer to connect 120](#_Toc256000183)

[5.3.6 Offer to connect 121](#_Toc256000184)

[5.3.7 Finalisation of connection agreements and network operating agreements 125](#_Toc256000185)

[5.3.8 Provision and use of information 126](#_Toc256000186)

[5.3.9 Procedure to be followed by a Generator proposing to alter a generating system 128](#_Toc256000187)

[5.3.10 Acceptance of performance standards for generating plant that is altered 130](#_Toc256000188)

[5.3.11 Notification of request to change normal voltage 130](#_Toc256000189)

[5.3A Establishing or modifying connection - embedded generation 131](#_Toc256000190)

[5.3A.1 Application of rule 5.3A 131](#_Toc256000191)

[5.3A.2 Definitions and miscellaneous 132](#_Toc256000192)

[5.3A.3 Publication of Information 132](#_Toc256000193)

[5.3A.4 Fees 134](#_Toc256000194)

[5.3A.5 Enquiry 135](#_Toc256000195)

[5.3A.6 Response to Enquiry 136](#_Toc256000196)

[5.3A.7 Preliminary Response to Enquiry 136](#_Toc256000197)

[5.3A.8 Detailed Response to Enquiry 137](#_Toc256000198)

[5.3A.9 Application for connection 138](#_Toc256000199)

[5.3A.10 Preparation of offer to connect 139](#_Toc256000200)

[5.3A.11 Technical Dispute 140](#_Toc256000201)

[5.3A.12 Network support payments and functions 140](#_Toc256000202)

[5.3AA Access arrangements relating to Distribution Networks 141](#_Toc256000203)

[5.3B Application for connection to declared shared network 144](#_Toc256000204)

[5.4 Independent Engineer 145](#_Toc256000205)

[5.4.1 Application 145](#_Toc256000206)

[5.4.2 Establishment of a pool 145](#_Toc256000207)

[5.4.3 Initiating the Independent Engineer process 145](#_Toc256000208)

[5.4.4 Referral to the Adviser 146](#_Toc256000209)

[5.4.5 Proceedings and decisions of the Independent Engineer 147](#_Toc256000210)

[5.4.6 Costs of the Independent Engineer 148](#_Toc256000211)

[5.4A [Deleted] 148](#_Toc256000212)

[5.4AA [Deleted] 148](#_Toc256000213)

[5.5 Commercial arbitration for prescribed and negotiated transmission services and large DCA services 148](#_Toc256000214)

[5.5.1 Application 148](#_Toc256000215)

[5.5.2 Notification of dispute 149](#_Toc256000216)

[5.5.3 Appointment of commercial arbitrator 149](#_Toc256000217)

[5.5.4 Procedures of commercial arbitrator 150](#_Toc256000218)

[5.5.5 Powers of commercial arbitrator in determining disputes 150](#_Toc256000219)

[5.5.6 Determination of disputes 151](#_Toc256000220)

[5.5.7 Costs of dispute 152](#_Toc256000221)

[5.5.8 Enforcement of agreement or determination and requirement for reasons 153](#_Toc256000222)

[5.5.9 Miscellaneous 153](#_Toc256000223)

[5.5A  [Deleted] 153](#_Toc256000224)

[Part C Post-Connection Agreement matters 153](#_Toc256000225)

[5.6 Design of Connected Equipment 153](#_Toc256000226)

[5.6.1 Application 153](#_Toc256000227)

[5.6.2 Advice of inconsistencies 154](#_Toc256000228)

[5.6.3 Additional information 154](#_Toc256000229)

[5.6.4 Advice on possible non-compliance 154](#_Toc256000230)

[5.6A  [Deleted] 155](#_Toc256000231)

[5.7 Inspection and Testing 155](#_Toc256000232)

[5.7.1 Right of entry and inspection 155](#_Toc256000233)

[5.7.2 Right of testing 157](#_Toc256000234)

[5.7.3 Tests to demonstrate compliance with connection requirements for generators 158](#_Toc256000235)

[5.7.3A Tests to demonstrate compliance with system strength remediation schemes 160](#_Toc256000236)

[5.7.4 Routine testing of protection equipment 161](#_Toc256000237)

[5.7.5 Testing by Registered Participants of their own plant requiring changes to normal operation 163](#_Toc256000238)

[5.7.6 Tests of generating units requiring changes to normal operation 165](#_Toc256000239)

[5.7.7 Inter-network power system tests 166](#_Toc256000240)

[5.7.8 Contestable IUSA components 172](#_Toc256000241)

[5.8 Commissioning 172](#_Toc256000242)

[5.8.1 Requirement to inspect and test equipment 172](#_Toc256000243)

[5.8.2 Co-ordination during commissioning 173](#_Toc256000244)

[5.8.3 Control and protection settings for equipment 173](#_Toc256000245)

[5.8.4 Commissioning program 174](#_Toc256000246)

[5.8.5 Commissioning tests 175](#_Toc256000247)

[5.9 Disconnection and Reconnection 175](#_Toc256000248)

[5.9.1 Voluntary disconnection 175](#_Toc256000249)

[5.9.2 Decommissioning procedures 176](#_Toc256000250)

[5.9.3 Involuntary disconnection 176](#_Toc256000251)

[5.9.4 Direction to disconnect 177](#_Toc256000252)

[5.9.4A Notification of disconnection 178](#_Toc256000253)

[5.9.5 Disconnection during an emergency 178](#_Toc256000254)

[5.9.6 Obligation to reconnect 178](#_Toc256000255)

[Part D Network Planning and Expansion 179](#_Toc256000256)

[5.10 Network development generally 179](#_Toc256000257)

[5.10.1 Content of Part D 179](#_Toc256000258)

[5.10.2 Definitions 180](#_Toc256000259)

[5.10.3 Interpretation 184](#_Toc256000260)

[5.11 Forecasts of connection to transmission network and identification of system limitations 184](#_Toc256000261)

[5.11.1 Forecasts for connection to transmission network 184](#_Toc256000262)

[5.11.2 Identification of network limitations 184](#_Toc256000263)

[5.12 Transmission annual planning process 185](#_Toc256000264)

[5.12.1 Transmission annual planning review 185](#_Toc256000265)

[5.12.2 Transmission Annual Planning Report 186](#_Toc256000266)

[5.13 Distribution annual planning process 190](#_Toc256000267)

[5.13.1 Distribution annual planning review 190](#_Toc256000268)

[5.13.2 Distribution Annual Planning Report 191](#_Toc256000269)

[5.13.3 Distribution system limitation template 192](#_Toc256000270)

[5.13A Distribution zone substation information 193](#_Toc256000271)

[5.14 Joint planning 196](#_Toc256000272)

[5.14.1 Joint planning obligations of Transmission Network Service Providers and Distribution Network Service Providers 196](#_Toc256000273)

[5.14.2 Joint planning obligations of Distribution Network Service Providers and Distribution Network Service Providers 197](#_Toc256000274)

[5.14.3 Joint planning obligations of Transmission Network Service Providers 197](#_Toc256000275)

[5.14A Joint planning in relation to retirement or de-ratings of network assets forming part of the Declared Shared Network 198](#_Toc256000276)

[5.14B TAPR Guidelines 198](#_Toc256000277)

[5.14B.1 Development of TAPR Guidelines 198](#_Toc256000278)

[5.15 Regulatory investment tests generally 198](#_Toc256000279)

[5.15.1 Interested parties 198](#_Toc256000280)

[5.15.2 Identification of a credible option 198](#_Toc256000281)

[5.15.3 Review of costs thresholds 199](#_Toc256000282)

[5.15.4 Costs determinations 202](#_Toc256000283)

[5.16 Regulatory investment test for transmission 202](#_Toc256000284)

[5.16.1 Principles 202](#_Toc256000285)

[5.16.2 Regulatory investment test for transmission application guidelines 205](#_Toc256000286)

[5.16.3 Investments subject to the regulatory investment test for transmission 206](#_Toc256000287)

[5.16.4 Regulatory investment test for transmission procedures 208](#_Toc256000288)

[5.16.5 Disputes in relation to application of regulatory investment test for transmission 215](#_Toc256000289)

[5.16.6 Determination that preferred option satisfies the regulatory investment test for transmission 217](#_Toc256000290)

[5.17 Regulatory investment test for distribution 217](#_Toc256000291)

[5.17.1 Principles 217](#_Toc256000292)

[5.17.2 Regulatory investment test for distribution application guidelines 219](#_Toc256000293)

[5.17.3 Projects subject to the regulatory investment test for distribution 221](#_Toc256000294)

[5.17.4 Regulatory investment test for distribution procedures 223](#_Toc256000295)

[5.17.5 Disputes in relation to application of regulatory investment test for distribution 228](#_Toc256000296)

[5.18 Construction of funded augmentations 229](#_Toc256000297)

[5.18A Generator connections 230](#_Toc256000298)

[5.18A.1 Definitions 230](#_Toc256000299)

[5.18A.2 Register of generator connections 230](#_Toc256000300)

[5.18A.3 Impact assessment of large generator connections 231](#_Toc256000301)

[5.18B Completed embedded generation projects 232](#_Toc256000302)

[5.18B.1 Definitions 232](#_Toc256000303)

[5.18B.2 Register of completed embedded generation projects 233](#_Toc256000304)

[5.19 SENE Design and Costing Study 233](#_Toc256000305)

[5.19.1 Definitions 233](#_Toc256000306)

[5.19.2 Interpretation 234](#_Toc256000307)

[5.19.3 Request for SENE Design and Costing Study 234](#_Toc256000308)

[5.19.4 Content of SENE Design and Costing Study 235](#_Toc256000309)

[5.19.5 Co-operation of other Network Service Providers 236](#_Toc256000310)

[5.19.6 Publication of SENE Design and Costing Study report 236](#_Toc256000311)

[5.19.7 Provision and use of information 237](#_Toc256000312)

[5.20 National transmission planning 237](#_Toc256000313)

[5.20.1 Preliminary consultation 238](#_Toc256000314)

[5.20.2 Publication of NTNDP 238](#_Toc256000315)

[5.20.3 Development strategies for national transmission flow paths 241](#_Toc256000316)

[5.20.4 NTNDP database 241](#_Toc256000317)

[5.20.5 Jurisdictional planning bodies and jurisdictional planning representatives 242](#_Toc256000318)

[5.20.6 NTP Functions 242](#_Toc256000319)

[5.20.7 Inertia and system strength requirements methodologies 242](#_Toc256000320)

[5.20A Frequency management planning 243](#_Toc256000321)

[5.20A.1 Power system frequency risk review 243](#_Toc256000322)

[5.20A.2 Power system frequency risk review process 245](#_Toc256000323)

[5.20A.3 Power system frequency risk review report 245](#_Toc256000324)

[5.20A.4 Request for protected event declaration 245](#_Toc256000325)

[5.20A.5 Request to revoke a protected event declaration 246](#_Toc256000326)

[5.20B Inertia sub-networks and requirements 247](#_Toc256000327)

[5.20B.1 Boundaries of inertia sub-networks 247](#_Toc256000328)

[5.20B.2 Inertia requirements 247](#_Toc256000329)

[5.20B.3 Inertia shortfalls 248](#_Toc256000330)

[5.20B.4 Inertia Service Provider to make available inertia services 249](#_Toc256000331)

[5.20B.5 Inertia support activities 251](#_Toc256000332)

[5.20B.6 Inertia network services information and approvals 252](#_Toc256000333)

[5.20C System strength requirements 254](#_Toc256000334)

[5.20C.1 System strength requirements 254](#_Toc256000335)

[5.20C.2 Fault level shortfalls 254](#_Toc256000336)

[5.20C.3 System Strength Service Provider to make available system strength services 255](#_Toc256000337)

[5.20C.4 System strength services information and approvals 257](#_Toc256000338)

[5.21 AEMO's obligation to publish information and guidelines and provide advice 259](#_Toc256000339)

[5.22 Last resort planning power 260](#_Toc256000340)

[Schedule 5.1a System standards 263](#_Toc256000341)

[S5.1a.1 Purpose 263](#_Toc256000342)

[S5.1a.2 Frequency 264](#_Toc256000343)

[S5.1a.3 System stability 264](#_Toc256000344)

[S5.1a.4 Power frequency voltage 264](#_Toc256000345)

[S5.1a.5 Voltage fluctuations 265](#_Toc256000346)

[S5.1a.6 Voltage waveform distortion 265](#_Toc256000347)

[S5.1a.7 Voltage unbalance 266](#_Toc256000348)

[S5.1a.8 Fault clearance times 267](#_Toc256000349)

[Schedule 5.1 Network Performance Requirements to be Provided or Co-ordinated by Network Service Providers 268](#_Toc256000350)

[S5.1.1 Introduction 268](#_Toc256000351)

[S5.1.2 Network reliability 269](#_Toc256000352)

[S5.1.2.1 Credible contingency events 269](#_Toc256000353)

[S5.1.2.2 Network service within a region 270](#_Toc256000354)

[S5.1.2.3 Network service between regions 271](#_Toc256000355)

[S5.1.3 Frequency variations 271](#_Toc256000356)

[S5.1.4 Magnitude of power frequency voltage 271](#_Toc256000357)

[S5.1.5 Voltage fluctuations 272](#_Toc256000358)

[S5.1.6 Voltage harmonic or voltage notching distortion 273](#_Toc256000359)

[S5.1.7 Voltage unbalance 274](#_Toc256000360)

[S5.1.8 Stability 275](#_Toc256000361)

[S5.1.9 Protection systems and fault clearance times 276](#_Toc256000362)

[S5.1.10 Load, generation and network control facilities 279](#_Toc256000363)

[S5.1.10.1 General 279](#_Toc256000364)

[S5.1.10.1a Emergency frequency control schemes 280](#_Toc256000365)

[S5.1.10.2 Distribution Network Service Providers 281](#_Toc256000366)

[S5.1.10.3 Transmission Network Service Providers 281](#_Toc256000367)

[S5.1.11 Automatic reclosure of transmission or distribution lines 282](#_Toc256000368)

[S5.1.12 Rating of transmission lines and equipment 282](#_Toc256000369)

[S5.1.13 Information to be provided 283](#_Toc256000370)

[Schedule 5.2 Conditions for Connection of Generators 283](#_Toc256000371)

[S5.2.1 Outline of requirements 283](#_Toc256000372)

[S5.2.2 Application of Settings 284](#_Toc256000373)

[S5.2.3 Technical matters to be coordinated 285](#_Toc256000374)

[S5.2.4 Provision of information 285](#_Toc256000375)

[S5.2.5 Technical requirements 288](#_Toc256000376)

[S5.2.5.1 Reactive power capability 288](#_Toc256000377)

[S5.2.5.2 Quality of electricity generated 289](#_Toc256000378)

[S5.2.5.3 Generating system response to frequency disturbances 290](#_Toc256000379)

[S5.2.5.4 Generating system response to voltage disturbances 293](#_Toc256000380)

[S5.2.5.5 Generating system response to disturbances following contingency events 295](#_Toc256000381)

[S5.2.5.6 Quality of electricity generated and continuous uninterrupted operation 303](#_Toc256000382)

[S5.2.5.7 Partial load rejection 303](#_Toc256000383)

[S5.2.5.8 Protection of generating systems from power system disturbances 304](#_Toc256000384)

[S5.2.5.9 Protection systems that impact on power system security 305](#_Toc256000385)

[S5.2.5.10 Protection to trip plant for unstable operation 307](#_Toc256000386)

[S5.2.5.11 Frequency control 308](#_Toc256000387)

[S5.2.5.12 Impact on network capability 311](#_Toc256000388)

[S5.2.5.13 Voltage and reactive power control 312](#_Toc256000389)

[S5.2.5.14 Active power control 318](#_Toc256000390)

[S5.2.6 Monitoring and control requirements 320](#_Toc256000391)

[S5.2.6.1 Remote Monitoring 320](#_Toc256000392)

[S5.2.6.2 Communications equipment 323](#_Toc256000393)

[S5.2.7 Power station auxiliary supplies 324](#_Toc256000394)

[S5.2.8 Fault current 324](#_Toc256000395)

[Schedule 5.3 Conditions for Connection of Customers 325](#_Toc256000396)

[S5.3.1a Introduction to the schedule 325](#_Toc256000397)

[S5.3.1 Information 326](#_Toc256000398)

[S5.3.2 Design standards 328](#_Toc256000399)

[S5.3.3 Protection systems and settings 328](#_Toc256000400)

[S5.3.4 Settings of protection and control systems 329](#_Toc256000401)

[S5.3.5 Power factor requirements 330](#_Toc256000402)

[S5.3.6 Balancing of load currents 331](#_Toc256000403)

[S5.3.7 Voltage fluctuations 332](#_Toc256000404)

[S5.3.8 Harmonics and voltage notching 332](#_Toc256000405)

[S5.3.9 Design requirements for Network Users' substations 332](#_Toc256000406)

[S5.3.10 Load shedding facilities 333](#_Toc256000407)

[Schedule 5.3a Conditions for connection of Market Network Services 333](#_Toc256000408)

[S5.3a.1a Introduction to the schedule 333](#_Toc256000409)

[S5.3a.1 Provision of Information 334](#_Toc256000410)

[S5.3a.2 Application of settings 336](#_Toc256000411)

[S5.3a.3 Technical matters to be co-ordinated 337](#_Toc256000412)

[S5.3a.4 Monitoring and control requirements 337](#_Toc256000413)

[S5.3a.4.1 Remote Monitoring 337](#_Toc256000414)

[S5.3a.4.2 [Deleted] 338](#_Toc256000415)

[S5.3a.4.3 Communications equipment 338](#_Toc256000416)

[S5.3a.5 Design standards 339](#_Toc256000417)

[S5.3a.6 Protection systems and settings 339](#_Toc256000418)

[S5.3a.7 [Deleted] 340](#_Toc256000419)

[S5.3a.8 Reactive power capability 340](#_Toc256000420)

[S5.3a.9 Balancing of load currents 341](#_Toc256000421)

[S5.3a.10 Voltage fluctuations 341](#_Toc256000422)

[S5.3a.11 Harmonics and voltage notching 341](#_Toc256000423)

[S5.3a.12 Design requirements for Market Network Service Providers' substations 342](#_Toc256000424)

[S5.3a.13 Market network service response to disturbances in the power system 342](#_Toc256000425)

[S5.3a.14 Protection of market network services from power system disturbances 343](#_Toc256000426)

[Schedule 5.4 Information to be Provided with Preliminary Enquiry 344](#_Toc256000427)

[Schedule 5.4A Preliminary Response 344](#_Toc256000428)

[Schedule 5.4B Detailed Response to Enquiry 346](#_Toc256000429)

[Schedule 5.5 Technical Details to Support Application for Connection and Connection Agreement 348](#_Toc256000430)

[S5.5.1 Introduction to the schedule 349](#_Toc256000431)

[S5.5.2 Categories of data 349](#_Toc256000432)

[S5.5.3 Review, change and supply of data 350](#_Toc256000433)

[S5.5.4 Data Requirements 350](#_Toc256000434)

[S5.5.5 Asynchronous generating unit data 351](#_Toc256000435)

[S5.5.6 Generating units smaller than 30MW data 351](#_Toc256000436)

[S5.5.7 Power System Design Data Sheet, Power System Setting Data Sheet and Power System Model Guidelines 351](#_Toc256000437)

[Schedule 5.5.1 [Deleted] 354](#_Toc256000438)

[Schedule 5.5.2 [Deleted] 354](#_Toc256000439)

[Schedule 5.5.3 Network and plant technical data of equipment at or near connection point 354](#_Toc256000440)

[Schedule 5.5.4 Network Plant and Apparatus Setting Data 357](#_Toc256000441)

[Schedule 5.5.5 Load Characteristics at Connection Point 359](#_Toc256000442)

[Schedule 5.6 Terms and Conditions of Connection agreements and network operating agreements 360](#_Toc256000443)

[Part A Connection agreements 360](#_Toc256000444)

[Part B Network Operating Agreements 362](#_Toc256000445)

[Schedule 5.7 Annual Forecast Information for Planning Purposes 362](#_Toc256000446)

[Schedule 5.8 Distribution Annual Planning Report 364](#_Toc256000447)

[Schedule 5.9 Demand side engagement document (clause 5.13.1(h)) 370](#_Toc256000448)

[Schedule 5.10 Information requirements for Primary Transmission Network Service Providers (clause 5.2A.5) 372](#_Toc256000449)

[Schedule 5.11 Negotiating principles for negotiated transmission services (clause 5.2A.6) 375](#_Toc256000450)

[Schedule 5.12 Negotiating principles for large DCA services 377](#_Toc256000451)

[5A. Electricity connection for retail customers 381](#_Toc256000452)

[Part A Preliminary 381](#_Toc256000453)

[5A.A.1 Definitions 381](#_Toc256000454)

[5A.A.2 Application of this Chapter 384](#_Toc256000455)

[5A.A.3 Small Generation Aggregator deemed to be agent of a retail customer 384](#_Toc256000456)

[Part B Standardised offers to provide basic and standard connection services 385](#_Toc256000457)

[Division 1 Basic connection services 385](#_Toc256000458)

[5A.B.1 Obligation to have model standing offer to provide basic connection services 385](#_Toc256000459)

[5A.B.2 Proposed model standing offer for basic connection services 385](#_Toc256000460)

[5A.B.3 Approval of terms and conditions of model standing offer to provide basic connection services 386](#_Toc256000461)

[Division 2 Standard connection services 387](#_Toc256000462)

[5A.B.4 Standard connection services 387](#_Toc256000463)

[5A.B.5 Approval of model standing offer to provide standard connection services 388](#_Toc256000464)

[Division 3 Miscellaneous 389](#_Toc256000465)

[5A.B.6 Amendment etc of model standing offer 389](#_Toc256000466)

[5A.B.7 Publication of model standing offers 389](#_Toc256000467)

[Part C Negotiated connection 390](#_Toc256000468)

[5A.C.1 Negotiation of connection 390](#_Toc256000469)

[5A.C.2 Process of negotiation 390](#_Toc256000470)

[5A.C.3 Negotiation framework 390](#_Toc256000471)

[5A.C.4 Fee to cover cost of negotiation 392](#_Toc256000472)

[Part D Application for connection service 393](#_Toc256000473)

[Division 1 Information 393](#_Toc256000474)

[5A.D.1 Publication of information 393](#_Toc256000475)

[5A.D.1A Register of completed embedded generation projects 393](#_Toc256000476)

[Division 2 Preliminary enquiry 394](#_Toc256000477)

[5A.D.2 Preliminary enquiry 394](#_Toc256000478)

[Division 3 Applications 395](#_Toc256000479)

[5A.D.3 Application process 395](#_Toc256000480)

[5A.D.4 Site inspection 396](#_Toc256000481)

[Part E Connection charges 397](#_Toc256000482)

[5A.E.1 Connection charge principles 397](#_Toc256000483)

[5A.E.2 Itemised statement of connection charges 398](#_Toc256000484)

[5A.E.3 Connection charge guidelines 398](#_Toc256000485)

[5A.E.4 Payment of connection charges 400](#_Toc256000486)

[Part F Formation and integration of connection contracts 401](#_Toc256000487)

[Division 1 Offer and acceptance – basic and standard connection services 401](#_Toc256000488)

[5A.F.1 Distribution Network Service Provider's response to application 401](#_Toc256000489)

[5A.F.2 Acceptance of connection offer 401](#_Toc256000490)

[5A.F.3 Offer and acceptance—application for expedited connection 402](#_Toc256000491)

[Division 2 Offer and acceptance – negotiated connection 402](#_Toc256000492)

[5A.F.4 Negotiated connection offer 402](#_Toc256000493)

[Division 3 Formation of contract 403](#_Toc256000494)

[5A.F.5 Acceptance of connection offer 403](#_Toc256000495)

[Division 4 Contractual performance 403](#_Toc256000496)

[5A.F.6 Carrying out connection work 403](#_Toc256000497)

[5A.F.7 Retailer required for energisation where new connection 404](#_Toc256000498)

[Part G Dispute resolution between Distribution Network Service Providers and customers 404](#_Toc256000499)

[5A.G.1 Relevant disputes 404](#_Toc256000500)

[5A.G.2 Determination of dispute 404](#_Toc256000501)

[5A.G.3 Termination of proceedings 405](#_Toc256000502)

[SCHEDULE 5A.1 – Minimum content requirements for connection contract 405](#_Toc256000503)

[Part A Connection offer not involving embedded generation 405](#_Toc256000504)

[Part B Connection offer involving embedded generation 406](#_Toc256000505)

[6. Economic Regulation of Distribution Services 411](#_Toc256000506)

[Part A Introduction 411](#_Toc256000507)

[6.0 Operation of Chapter 6 in this jurisdiction 411](#_Toc256000508)

[6.0A Interpretation 411](#_Toc256000509)

[6.1 Introduction to Chapter 6 412](#_Toc256000510)

[6.1.1 AER's regulatory responsibility 412](#_Toc256000511)

[6.1.1A [Deleted] 412](#_Toc256000512)

[6.1.2 Structure of this Chapter 412](#_Toc256000513)

[6.1.3 Access to direct control services and negotiated distribution services 413](#_Toc256000514)

[6.1.4 Prohibition of DUOS charges for the export of energy 414](#_Toc256000515)

[Part B Classification of Distribution Services and Distribution Determinations 414](#_Toc256000516)

[6.2 Classification 414](#_Toc256000517)

[6.2.1 Classification of distribution services 414](#_Toc256000518)

[6.2.2 Classification of direct control services as standard control services or alternative control services 414](#_Toc256000519)

[6.2.3 Term for which classification operates 415](#_Toc256000520)

[6.2.3A Distribution Service Classification Guidelines 415](#_Toc256000521)

[6.2.4 Duty of AER to make distribution determinations 416](#_Toc256000522)

[6.2.5 Control mechanisms for direct control services 416](#_Toc256000523)

[6.2.6 Basis of control mechanisms for direct control services 418](#_Toc256000524)

[6.2.7 Negotiated distribution services 418](#_Toc256000525)

[6.2.8 Guidelines 418](#_Toc256000526)

[Part C Building Block Determinations for standard control services 419](#_Toc256000527)

[6.3 Building block determinations 419](#_Toc256000528)

[6.3.1 Introduction 419](#_Toc256000529)

[6.3.2 Contents of building block determination 419](#_Toc256000530)

[6.4 Post-tax revenue model 420](#_Toc256000531)

[6.4.1 Preparation, publication and amendment of post-tax revenue model 420](#_Toc256000532)

[6.4.2 Contents of post-tax revenue model 420](#_Toc256000533)

[6.4.3 Building block approach 421](#_Toc256000534)

[6.4.4 Shared assets 422](#_Toc256000535)

[6.4.5 Expenditure Forecast Assessment Guidelines 424](#_Toc256000536)

[6.4A Capital expenditure incentive mechanisms 424](#_Toc256000537)

[6.4B Asset exemptions 425](#_Toc256000538)

[6.4B.1 Asset exemption decisions and Asset Exemption Guidelines 425](#_Toc256000539)

[6.4B.2 Exemption applications 426](#_Toc256000540)

[6.5 Matters relevant to the making of building block determinations 427](#_Toc256000541)

[6.5.1 Regulatory asset base 427](#_Toc256000542)

[6.5.2 Return on capital 428](#_Toc256000543)

[6.5.3 Estimated cost of corporate income tax 428](#_Toc256000544)

[6.5.4 [Deleted] 428](#_Toc256000545)

[6.5.5 Depreciation 428](#_Toc256000546)

[6.5.6 Forecast operating expenditure 429](#_Toc256000547)

[6.5.7 Forecast capital expenditure 431](#_Toc256000548)

[6.5.8 Efficiency benefit sharing scheme 436](#_Toc256000549)

[6.5.8A Capital expenditure sharing scheme 437](#_Toc256000550)

[6.5.9 The X factor 438](#_Toc256000551)

[6.5.10 Pass through events 439](#_Toc256000552)

[6.6 Adjustments after making of building block determination. 439](#_Toc256000553)

[6.6.1 Cost pass through 439](#_Toc256000554)

[6.6.1AA Cost pass through – deemed determinations 446](#_Toc256000555)

[6.6.1AB Cost pass through – NT events 447](#_Toc256000556)

[6.6.1A Reporting on jurisdictional schemes 452](#_Toc256000557)

[6.6.2 Service target performance incentive scheme 453](#_Toc256000558)

[6.6.3 Demand management incentive scheme 454](#_Toc256000559)

[6.6.3A Demand management innovation allowance mechanism 455](#_Toc256000560)

[6.6.4 Small-scale incentive scheme 456](#_Toc256000561)

[6.6.5 Reopening of distribution determination for capital expenditure 457](#_Toc256000562)

[6.6A Contingent Projects 461](#_Toc256000563)

[6.6A.1 Acceptance of a contingent project in a distribution determination 461](#_Toc256000564)

[6.6A.2 Amendment of distribution determination for contingent project 462](#_Toc256000565)

[Part D Negotiated distribution services 467](#_Toc256000566)

[6.7 Negotiated distribution services 467](#_Toc256000567)

[6.7.1 Principles relating to access to negotiated distribution services 467](#_Toc256000568)

[6.7.2 Determination of terms and conditions of access for negotiated distribution services 469](#_Toc256000569)

[6.7.3 Negotiating framework determination 469](#_Toc256000570)

[6.7.4 Negotiated Distribution Service Criteria determination 469](#_Toc256000571)

[6.7.5 Preparation of and requirements for negotiating framework for negotiated distribution services 470](#_Toc256000572)

[6.7.6 Confidential information 472](#_Toc256000573)

[Part DA Connection policies 472](#_Toc256000574)

[6.7A Connection policy requirements 472](#_Toc256000575)

[6.7A.1 Preparation of, and requirements for, connection policy 472](#_Toc256000576)

[Part E Regulatory proposal and proposed tariff structure statement 473](#_Toc256000577)

[6.8 Regulatory proposal and proposed tariff structure statement 473](#_Toc256000578)

[6.8.1 AER's framework and approach paper 473](#_Toc256000579)

[6.8.1A Notification of approach to forecasting expenditure 475](#_Toc256000580)

[6.8.2 Submission of regulatory proposal, tariff structure statement and exemption application 476](#_Toc256000581)

[6.9 Preliminary examination and consultation 478](#_Toc256000582)

[6.9.1 Preliminary examination 478](#_Toc256000583)

[6.9.2 Resubmission of proposal 478](#_Toc256000584)

[6.9.2A Confidential information 478](#_Toc256000585)

[6.9.3 Consultation 479](#_Toc256000586)

[6.10 Draft distribution determination and further consultation 480](#_Toc256000587)

[6.10.1 Making of draft distribution determination 480](#_Toc256000588)

[6.10.2 Publication of draft determination and consultation 480](#_Toc256000589)

[6.10.3 Submission of revised proposal 481](#_Toc256000590)

[6.10.4 Submissions on specified matters 482](#_Toc256000591)

[6.11 Distribution determination 482](#_Toc256000592)

[6.11.1 Making of distribution determination 482](#_Toc256000593)

[6.11.1A Out of scope revised regulatory proposal or late submissions 483](#_Toc256000594)

[6.11.2 Notice of distribution determination 483](#_Toc256000595)

[6.11.3 Commencement of distribution determination 484](#_Toc256000596)

[6.12 Requirements relating to draft and final distribution determinations 484](#_Toc256000597)

[6.12.1 Constituent decisions 484](#_Toc256000598)

[6.12.2 Reasons for decisions 487](#_Toc256000599)

[6.12.3 Extent of AER's discretion in making distribution determinations 488](#_Toc256000600)

[6.13 Revocation and substitution of distribution determination for wrong information or error 489](#_Toc256000601)

[6.14 Miscellaneous 490](#_Toc256000602)

[6.14A Distribution Confidentiality Guidelines 490](#_Toc256000603)

[Part F Cost Allocation 491](#_Toc256000604)

[6.15 Cost allocation 491](#_Toc256000605)

[6.15.1 Duty to comply with Cost Allocation Method 491](#_Toc256000606)

[6.15.2 Cost Allocation Principles 491](#_Toc256000607)

[6.15.3 Cost Allocation Guidelines 492](#_Toc256000608)

[6.15.4 Cost Allocation Method 493](#_Toc256000609)

[Part G Distribution consultation procedures 494](#_Toc256000610)

[6.16 Distribution consultation procedures 494](#_Toc256000611)

[Part H Ring-Fencing Arrangements for Distribution Network Service Providers 495](#_Toc256000612)

[6.17 Distribution Ring-Fencing Guidelines 495](#_Toc256000613)

[6.17.1 Compliance with Distribution Ring-Fencing Guidelines 495](#_Toc256000614)

[6.17.1B Application of Distribution Ring-Fencing Guidelines in this jurisdiction 496](#_Toc256000615)

[6.17.2 Development of Distribution Ring-Fencing Guidelines 496](#_Toc256000616)

[Part I Distribution Pricing Rules 497](#_Toc256000617)

[6.18 Distribution Pricing Rules 497](#_Toc256000618)

[6.18.1 Application of this Part 497](#_Toc256000619)

[6.18.1A Tariff structure statement 497](#_Toc256000620)

[6.18.1B Amending a tariff structure statement with the AER's approval 498](#_Toc256000621)

[6.18.1C Sub-threshold tariffs 499](#_Toc256000622)

[6.18.2 Pricing proposals 500](#_Toc256000623)

[6.18.3 Tariff classes 501](#_Toc256000624)

[6.18.4 Principles governing assignment or re-assignment of retail customers to tariff classes and assessment and review of basis of charging 502](#_Toc256000625)

[6.18.5 Pricing principles 502](#_Toc256000626)

[6.18.6 Side constraints on tariffs for standard control services 504](#_Toc256000627)

[6.18.7 Recovery of designated pricing proposal charges 505](#_Toc256000628)

[6.18.7A Recovery of jurisdictional scheme amounts 506](#_Toc256000629)

[6.18.8 Approval of pricing proposal 509](#_Toc256000630)

[6.18.9 Publication of information about tariffs and tariff classes 510](#_Toc256000631)

[6.19 Data Required for Distribution Service Pricing 511](#_Toc256000632)

[6.19.1 Forecast use of networks by Distribution Customers and Embedded Generators 511](#_Toc256000633)

[6.19.2 Confidentiality of distribution network pricing information 511](#_Toc256000634)

[Part J Billing and Settlements 511](#_Toc256000635)

[6.20 Billing and Settlements Process 511](#_Toc256000636)

[6.20.1 Billing for distribution services 511](#_Toc256000637)

[6.20.2 Minimum information to be provided in distribution network service bills 513](#_Toc256000638)

[6.20.3 Settlement between Distribution Network Service Providers 513](#_Toc256000639)

[6.20.4 Obligation to pay 513](#_Toc256000640)

[Part K Prudential requirements, capital contributions and prepayments 514](#_Toc256000641)

[6.21 Distribution Network Service Provider Prudential Requirements 514](#_Toc256000642)

[6.21.1 Prudential requirements for distribution network service 514](#_Toc256000643)

[6.21.2 Capital contributions, prepayments and financial guarantees 515](#_Toc256000644)

[6.21.3 Treatment of past prepayments and capital contributions 515](#_Toc256000645)

[Part L Dispute resolution 515](#_Toc256000646)

[6.22 Dispute Resolution 515](#_Toc256000647)

[6.22.1 Dispute Resolution by the AER 515](#_Toc256000648)

[6.22.2 Determination of dispute 516](#_Toc256000649)

[6.22.3 Termination of access dispute without access determination 517](#_Toc256000650)

[Part M Separate disclosure of transmission and distribution charges 517](#_Toc256000651)

[6.23 Separate disclosure of transmission and distribution charges 517](#_Toc256000652)

[Part N Dual Function Assets 518](#_Toc256000653)

[6.24 Dual Function Assets 519](#_Toc256000654)

[6.24.1 Application of this Part 519](#_Toc256000655)

[6.24.2 Dual Function Assets 519](#_Toc256000656)

[6.25 AER determination of applicable pricing regime for Dual Function Assets 519](#_Toc256000657)

[6.26 Division of Distribution Network Service Provider's revenue 520](#_Toc256000658)

[Part O Annual Benchmarking Report 521](#_Toc256000659)

[6.27 Annual Benchmarking Report 521](#_Toc256000660)

[Part P Distribution Reliability Measures Guidelines 522](#_Toc256000661)

[6.28 Distribution Reliability Measures Guidelines 522](#_Toc256000662)

[Schedule 6.1 Contents of building block proposals 522](#_Toc256000663)

[S6.1.1 Information and matters relating to capital expenditure 522](#_Toc256000664)

[S6.1.2 Information and matters relating to operating expenditure 524](#_Toc256000665)

[S6.1.3 Additional information and matters 525](#_Toc256000666)

[Schedule 6.2 Regulatory Asset Base 528](#_Toc256000667)

[S6.2.1 Establishment of opening regulatory asset base for a regulatory control period 528](#_Toc256000668)

[S6.2.2 Prudency and efficiency of capital expenditure 532](#_Toc256000669)

[S6.2.2A Reduction for inefficient past capital expenditure 533](#_Toc256000670)

[S6.2.2B Depreciation 535](#_Toc256000671)

[S6.2.3 Roll forward of regulatory asset base within the same regulatory control period 536](#_Toc256000672)

[S6.2.3A Establishment of opening regulatory asset base for distribution system in this jurisdiction for 1st regulatory control period 537](#_Toc256000673)

[6A. Economic Regulation of Transmission Services 543](#_Toc256000674)

[6B. Retail Markets 547](#_Toc256000675)

[7. Metering 551](#_Toc256000676)

[7A. Metering 555](#_Toc256000677)

[Part A Introduction 555](#_Toc256000678)

[7A.1 Introduction to the Metering Chapter 555](#_Toc256000679)

[7A.1.1 Purpose and application 555](#_Toc256000680)

[7A.1.2 Contents 555](#_Toc256000681)

[7A.1.3 Definitions 555](#_Toc256000682)

[7A.1.4 Inconsistency 556](#_Toc256000683)

[Part B Roles and Responsibilities 556](#_Toc256000684)

[7A.2 Role and responsibility of financially responsible participant 556](#_Toc256000685)

[7A.3 Role and responsibility of Metering Coordinator 557](#_Toc256000686)

[7A.3.1 Responsibility of the Metering Coordinator 557](#_Toc256000687)

[7A.3.2 Role of the Metering Coordinator 558](#_Toc256000688)

[7A.4 Qualification and requirements of Metering Providers and Metering Data Providers 560](#_Toc256000689)

[7A.4.1 Qualification and requirements of Metering Providers 560](#_Toc256000690)

[7A.4.2 Qualification and requirements of Metering Data Providers 560](#_Toc256000691)

[Part C Appointment of Metering Coordinator 561](#_Toc256000692)

[7A.5 Appointment of Metering Coordinator 561](#_Toc256000693)

[Part D Metering installation 562](#_Toc256000694)

[7A.6 Metering installation arrangement 562](#_Toc256000695)

[7A.6.1 Metering installation requirements 562](#_Toc256000696)

[7A.6.2 Metering installation components 562](#_Toc256000697)

[7A.6.3 Emergency management 565](#_Toc256000698)

[7A.6.4 Network devices 565](#_Toc256000699)

[7A.6.5 Metering point 565](#_Toc256000700)

[7A.6.6 Metering installation types and accuracy 566](#_Toc256000701)

[7A.6.7 Functionality requirements for type 1, 2, 3 and 4 metering installations 566](#_Toc256000702)

[7A.6.8 Meter churn 566](#_Toc256000703)

[7A.6.9 Metering installation malfunctions 567](#_Toc256000704)

[7A.6.10 Timeframes for meters to be installed – new connection 568](#_Toc256000705)

[7A.6.11 Timeframes for meters to be installed – where a connection service is not required 568](#_Toc256000706)

[7A.6.12 Timeframes for meters to be installed – where a connection alteration is required 569](#_Toc256000707)

[7A.6.13 Changing a metering installation 570](#_Toc256000708)

[7A.6.14 Prepayment metering 571](#_Toc256000709)

[7A.7 Maintenance, inspection, testing and auditing of metering installations 571](#_Toc256000710)

[7A.7.1 Maintenance 571](#_Toc256000711)

[7A.7.2 Responsibility for inspection and testing 572](#_Toc256000712)

[7A.7.3 Actions in event of non-compliance 573](#_Toc256000713)

[7A.7.4 Audits of information held in metering installations 574](#_Toc256000714)

[7A.7.5 Appointment of external auditor 574](#_Toc256000715)

[7A.7.6 Errors found in metering tests, inspections or audits 575](#_Toc256000716)

[7A.7.7 Retention of test records and documents 575](#_Toc256000717)

[Part E Metering data 576](#_Toc256000718)

[7A.8 Metering data services 576](#_Toc256000719)

[7A.8.1 Metering data services 576](#_Toc256000720)

[7A.8.2 Collection of energy data and estimation of metering data 577](#_Toc256000721)

[7A.8.3 Data management and storage 578](#_Toc256000722)

[7A.8.4 Provision of metering data to certain persons 579](#_Toc256000723)

[7A.8.5 Use of check metering data 580](#_Toc256000724)

[7A.8.6 Periodic energy metering 580](#_Toc256000725)

[7A.8.7 Verification of metering data Metering installations other than type 7 metering installations 581](#_Toc256000726)

[7A.8.8 Time settings 582](#_Toc256000727)

[7A.8.9 Metering data performance standards 582](#_Toc256000728)

[7A.9 Metering data and data base 584](#_Toc256000729)

[7A.9.1 Metering database 584](#_Toc256000730)

[7A.9.2 Data validation, substitution and estimation 585](#_Toc256000731)

[7A.9.3 Changes to energy data or to metering data 585](#_Toc256000732)

[7A.10 Register of metering information 586](#_Toc256000733)

[7A.10.1 Metering register 586](#_Toc256000734)

[7A.10.2 Metering installation registration process 586](#_Toc256000735)

[7A.10.3 Metering register discrepancy 586](#_Toc256000736)

[7A.11 Disclosure of information 587](#_Toc256000737)

[7A.11.1 Provision of data to retailers 587](#_Toc256000738)

[7A.12 Metering data provision to retail customers 588](#_Toc256000739)

[Part F Security of metering installations and energy data 588](#_Toc256000740)

[7A.13 Security of metering installations, energy data and metering data 588](#_Toc256000741)

[7A.13.1 Confidentiality of data 588](#_Toc256000742)

[7A.13.2 Security of metering installations 588](#_Toc256000743)

[7A.13.3 Security controls for energy data 589](#_Toc256000744)

[7A.13.4 Additional security controls for type 4 metering installations 590](#_Toc256000745)

[7A.13.5 Access to data 591](#_Toc256000746)

[Schedule 7A.1 Metering register 592](#_Toc256000747)

[S7A.1.1 General 592](#_Toc256000748)

[S7A.1.2 Metering register information 593](#_Toc256000749)

[S7A.1.3 Communication guideline 593](#_Toc256000750)

[Schedule 7A.2 Metering provider 593](#_Toc256000751)

[Schedule 7A.3 Metering data provider 593](#_Toc256000752)

[Schedule 7A.4 Types and accuracy of metering installations 593](#_Toc256000753)

[S7A.4.1 General requirements 593](#_Toc256000754)

[S7A.4.2 Accuracy requirements for metering installations 594](#_Toc256000755)

[S7A.4.3 Check metering 598](#_Toc256000756)

[S7A.4.4 Resolution and accuracy of displayed or captured data 599](#_Toc256000757)

[S7A.4.5 General design standards 600](#_Toc256000758)

[S7A.4.5.1 Design requirements 600](#_Toc256000759)

[S7A.4.5.2 Design guidelines 600](#_Toc256000760)

[Schedule 7A.5 Metering functionality requirements for type 1, 2, 3 and 4 metering requirements 601](#_Toc256000761)

[S7A.5.1 Introduction 601](#_Toc256000762)

[S7A.5.1.1 Purpose 601](#_Toc256000763)

[S7A.5.1.2 Definitions 601](#_Toc256000764)

[S7A.5.2 Functionality Requirements for Meters in Type 1, 2, and 3 metering installations 601](#_Toc256000765)

[S7A.5.2.1 Application 601](#_Toc256000766)

[S7A.5.2.2 Applicable meter configurations 602](#_Toc256000767)

[S7A.5.2.3 Metrology 602](#_Toc256000768)

[S7A.5.3 Functionality Requirements for Meters in Type 4 metering installations 602](#_Toc256000769)

[S7A.5.3.1 Application 602](#_Toc256000770)

[S7A.5.3.2 Applicable meter configurations 602](#_Toc256000771)

[S7A.5.3.3 Metrology 603](#_Toc256000772)

[S7A.5.3.4 Remote and local reading of meters 603](#_Toc256000773)

[S7A.5.3.5 Supply disconnection and reconnection 604](#_Toc256000774)

[S7A.5.3.5.1 General requirements 604](#_Toc256000775)

[S7A.5.3.5.2 Disconnection 604](#_Toc256000776)

[S7A.5.3.5.3 Reconnection 604](#_Toc256000777)

[S7A.5.3.6 Time clock synchronisation 605](#_Toc256000778)

[S7A.5.3.7 Quality of Supply and other event recording 605](#_Toc256000779)

[S7A.5.3.8 Tamper detection 606](#_Toc256000780)

[S7A.5.3.9 Communications and data security 606](#_Toc256000781)

[S7A.5.3.10 Remote firmware upgrades 606](#_Toc256000782)

[S7A.5.3.11 Remote arming 606](#_Toc256000783)

[Schedule 7A.6 Inspection and testing requirements 606](#_Toc256000784)

[S7A.6.1 General 606](#_Toc256000785)

[S7A.6.2 Technical guidelines 608](#_Toc256000786)

[Schedule 7A.7 Metrology procedure 609](#_Toc256000787)

[Part A ​ 609](#_Toc256000788)

[S7A.7.1 Introduction 609](#_Toc256000789)

[S7A.7.1.1 General 609](#_Toc256000790)

[S7A.7.1.2 Definitions 609](#_Toc256000791)

[S7A.7.1.3 Relevant retailer 610](#_Toc256000792)

[Part B ​ 610](#_Toc256000793)

[S7A.7.2 Purpose and scope 610](#_Toc256000794)

[S7A.7.2.1 Purpose 610](#_Toc256000795)

[S7A.7.2.2 Scope 611](#_Toc256000796)

[S7A.7.3 Metering provision 611](#_Toc256000797)

[S7A.7.3.1 Responsibility for metering provision 611](#_Toc256000798)

[S7A.7.3.2 Metering installation components 611](#_Toc256000799)

[S7A.7.3.3 Use of optical ports and pulse outputs 612](#_Toc256000800)

[S7A.7.3.4 Load control equipment 613](#_Toc256000801)

[S7A.7.3.5 Data storage requirements for meters 613](#_Toc256000802)

[S7A.7.3.6 Metering installation clock 613](#_Toc256000803)

[S7A.7.3.7 Interval meters 613](#_Toc256000804)

[S7A.7.3.8 Alarm settings 614](#_Toc256000805)

[S7A.7.3.9 Summation metering 614](#_Toc256000806)

[S7A.7.3.10 ​ 614](#_Toc256000807)

[S7A.7.3.11 Routine testing and inspection of metering installations 614](#_Toc256000808)

[S7A.7.3.12 Requests for testing type 1 – 6 metering installations 615](#_Toc256000809)

[S7A.7.4 Installation of meters and de-commissioning 616](#_Toc256000810)

[S7A.7.4.1 General installation requirements 616](#_Toc256000811)

[S7A.7.4.2 Type 4A, 5 and 6 metering installations 616](#_Toc256000812)

[S7A.7.4.3 Preliminary de-commissioning and removal of metering equipment requirements 616](#_Toc256000813)

[S7A.7.4.4 ​ 616](#_Toc256000814)

[S7A.7.5 ​ 617](#_Toc256000815)

[S7A.7.6 Responsibility for metering data services 617](#_Toc256000816)

[S7A.7.6.1 Metering data storage 617](#_Toc256000817)

[S7A.7.6.2 Verification of metering data for type 4, 4A, 5, 6 and 7 installations 617](#_Toc256000818)

[S7A.7.6.3 Metering installation type 7 – sample testing 618](#_Toc256000819)

[S7A.7.6.4 Request for text of calculated metering data 619](#_Toc256000820)

[S7A.7.6.5 NTESMO's metering data substitution obligations 620](#_Toc256000821)

[Part C ​ 620](#_Toc256000822)

[S7A.7.7 Purpose and scope 620](#_Toc256000823)

[S7A.7.7.1 Purpose 620](#_Toc256000824)

[S7A.7.7.2 Scope 620](#_Toc256000825)

[S7A.7.8 Principles for validation, substitution and estimation 620](#_Toc256000826)

[S7A.7.8.1 General validation, substitution and estimation requirements 620](#_Toc256000827)

[S7A.7.8.2 Substitution requirements 620](#_Toc256000828)

[S7A.7.8.3 Estimation requirement 621](#_Toc256000829)

[S7A.7.8.4 Metering data quality flags 622](#_Toc256000830)

[S7A.7.8.5 Final substitution 622](#_Toc256000831)

[S7A.7.9 Substitution for acquisition of metering data from remotely read metering installations 623](#_Toc256000832)

[S7A.7.9.1 Application of S7A.7.9 623](#_Toc256000833)

[S7A.7.9.2 Substitution rules 623](#_Toc256000834)

[S7A.7.9.3 Substitution types 625](#_Toc256000835)

[S7A.7.10 Substitution and estimation for manually read interval metering installations 628](#_Toc256000836)

[S7A.7.10.1 Application of S7A7.10 628](#_Toc256000837)

[S7A.7.10.2 Substitution and estimation rules 628](#_Toc256000838)

[S7A.7.10.3 Substitution and estimation types 629](#_Toc256000839)

[S7A.7.11 Substitution and estimation for metering installations with accumulated metering data 631](#_Toc256000840)

[S7A.7.11.1 Substitution and estimation rules 631](#_Toc256000841)

[S7A.7.11.2 Substitution and estimation types 633](#_Toc256000842)

[S7A.7.12 Substitution and estimation for calculated metering data 634](#_Toc256000843)

[S7A.7.12.1 Substitution rules 634](#_Toc256000844)

[S7A.7.12.2 Substitution and estimation types 635](#_Toc256000845)

[S7A.7.13 Data validation requirements 636](#_Toc256000846)

[S7A.7.13.1 Validation requirements for all metering installations 636](#_Toc256000847)

[S7A.7.13.2 Validation of interval metering data alarms 636](#_Toc256000848)

[S7A.7.13.3 Validation within the meter reading process for manually read metering installations 637](#_Toc256000849)

[S7A.7.13.4 Validation as part of the registration process 637](#_Toc256000850)

[S7A.7.13.5 Validation of metering data 638](#_Toc256000851)

[S7A.7.14 Determination of metering data for unmetered loads 644](#_Toc256000852)

[S7A.7.14.1 Load table 644](#_Toc256000853)

[S7A.7.14.2 Controlled unmetered devices 645](#_Toc256000854)

[S7A.7.14.3 Uncontrolled unmetered devices 649](#_Toc256000855)

[Schedule 7A.8 Service level procedures 650](#_Toc256000856)

[Part A Introduction 650](#_Toc256000857)

[S7A.8.1 Introduction 650](#_Toc256000858)

[S7A.8.1.1 Purpose and scope 650](#_Toc256000859)

[S7A.8.1.2 Definitions 650](#_Toc256000860)

[Part B Metering provider services 651](#_Toc256000861)

[S7A.8.2 Introduction 651](#_Toc256000862)

[S7A.8.2.1 Purpose and exclusions 651](#_Toc256000863)

[S7A.8.2.2 Services 651](#_Toc256000864)

[S7A.8.3 General requirements 651](#_Toc256000865)

[S7A.8.3.1 Metering Provider capability and competency 651](#_Toc256000866)

[S7A.8.3.2 Use of contractors 652](#_Toc256000867)

[S7A.8.3.3 Insurance 652](#_Toc256000868)

[S7A.8.4 Device management and test equipment 653](#_Toc256000869)

[S7A.8.4.1 Procurement 653](#_Toc256000870)

[S7A.8.4.2 Storage, handling and transport 653](#_Toc256000871)

[S7A.8.4.3 Management of test equipment 653](#_Toc256000872)

[S7A.8.4.4 Management of meter programming and authorised software 654](#_Toc256000873)

[S7A.8.5 Installation and commissioning requirements 654](#_Toc256000874)

[S7A.8.5.1 General commissioning requirements 654](#_Toc256000875)

[S7A.8.5.2 Metering data validation requirements 655](#_Toc256000876)

[S7A.8.6 Metering installation maintenance 656](#_Toc256000877)

[S7A.8.6.1 Test plans 656](#_Toc256000878)

[S7A.8.6.2 Management of metering installation malfunctions 656](#_Toc256000879)

[S7A.8.6.3 Telecommunications 656](#_Toc256000880)

[S7A.8.6.4 Non-conforming test results or calibrations 657](#_Toc256000881)

[S7A.8.7 Systems and administration 657](#_Toc256000882)

[S7A.8.7.1 Register of metering installations 657](#_Toc256000883)

[S7A.8.7.2 Disaster recovery 658](#_Toc256000884)

[S7A.8.7.3 Audits undertaken by the Utilities Commission 658](#_Toc256000885)

[Part C Metering Data Provider services 658](#_Toc256000886)

[S7A.8.8 Introduction 658](#_Toc256000887)

[S7A.8.8.1 Purpose 658](#_Toc256000888)

[S7A.8.8.2 Obligations 659](#_Toc256000889)

[S7A.8.9 Service requirements 661](#_Toc256000890)

[S7A.8.9.1 System requirements 661](#_Toc256000891)

[S7A.8.9.2 Metering data services database 662](#_Toc256000892)

[S7A.8.9.3 Exception reports 662](#_Toc256000893)

[S7A.8.9.4 Collection process requirements 662](#_Toc256000894)

[S7A.8.9.5 Specific collection process requirements for remotely read metering installations 663](#_Toc256000895)

[S7A.8.9.6 Specific collection process requirements for manually read metering installations 663](#_Toc256000896)

[S7A.8.9.7 Metering data processing requirements 664](#_Toc256000897)

[S7A.8.9.8 Specific metering data processing requirements for type 1, 2, 3 and 4 metering installations 665](#_Toc256000898)

[S7A.8.9.9 Specific metering data processing requirements for type 7 metering installations 665](#_Toc256000899)

[S7A.8.9.10 Specific metering data estimation requirements for manually read and type 7 metering installations 666](#_Toc256000900)

[S7A.8.9.11 Delivery performance requirements for metering data 666](#_Toc256000901)

[S7A.8.10 Data management following the alteration of type of metering installation at a connection point 668](#_Toc256000902)

[S7A.8.10.1 Meter churn scenarios 668](#_Toc256000903)

[S7A.8.10.2 Scenario 1 669](#_Toc256000904)

[S7A.8.10.3 Scenario 2 669](#_Toc256000905)

[S7A.8.10.4 Scenario 3 669](#_Toc256000906)

[S7A.8.10.5 Scenario 4 669](#_Toc256000907)

[S7A.8.11 System architecture and administration 670](#_Toc256000908)

[S7A.8.11.1 Metering data archival and recovery 670](#_Toc256000909)

[S7A.8.11.2 Data backup 671](#_Toc256000910)

[S7A.8.11.3 Disaster recovery 671](#_Toc256000911)

[S7A.8.11.4 System administration and data management 672](#_Toc256000912)

[S7A.8.12 Quality control 672](#_Toc256000913)

[S7A.8.12.1 Audits 672](#_Toc256000914)

[S7A.8.12.2 Corrective action 673](#_Toc256000915)

[S7A.8.13.1 Administration 673](#_Toc256000916)

[S7A.8.13.2 Quality systems 674](#_Toc256000917)

[8. Administrative Functions 677](#_Toc256000918)

[Part A Introductory 677](#_Toc256000919)

[8.1 Administrative functions 677](#_Toc256000920)

[8.1.1 [Deleted] 677](#_Toc256000921)

[8.1.2 [Deleted] 677](#_Toc256000922)

[8.1.3 Structure of this Chapter 677](#_Toc256000923)

[Part B Disputes 677](#_Toc256000924)

[Part C Registered Participants' confidentiality obligations 678](#_Toc256000925)

[8.6 Confidentiality 678](#_Toc256000926)

[8.6.1 Confidentiality 678](#_Toc256000927)

[8.6.1A Application 679](#_Toc256000928)

[8.6.2 Exceptions 679](#_Toc256000929)

[8.6.3 Conditions 680](#_Toc256000930)

[8.6.4 [Deleted] 681](#_Toc256000931)

[8.6.5 Indemnity to AER, AEMC and AEMO 681](#_Toc256000932)

[8.6.6 AEMO information 681](#_Toc256000933)

[8.6.7 Information on Rules Bodies 681](#_Toc256000934)

[Part D Monitoring and reporting 681](#_Toc256000935)

[8.7 Monitoring and Reporting 681](#_Toc256000936)

[8.7.1 Monitoring 681](#_Toc256000937)

[8.7.2 Reporting requirements and monitoring standards for Registered Participants 682](#_Toc256000938)

[8.7.3 Consultation required for making general regulatory information order (Section 28H of the NEL) 684](#_Toc256000939)

[8.7.4 Preparation of network service provider performance report (Section 28V of the NEL) 685](#_Toc256000940)

[8.7.5 [Deleted] 685](#_Toc256000941)

[8.7.6 Recovery of reporting costs 685](#_Toc256000942)

[Part E Reliability panel 686](#_Toc256000943)

[8.8 Reliability Panel 686](#_Toc256000944)

[8.8.1 Purpose of Reliability Panel 686](#_Toc256000945)

[8.8.2 Constitution of the Reliability Panel 687](#_Toc256000946)

[8.8.3 Reliability Panel review process 689](#_Toc256000947)

[8.8.4 Determination of protected events 692](#_Toc256000948)

[Part F Rules consultation procedures 693](#_Toc256000949)

[8.9 Rules Consultation Procedures 693](#_Toc256000950)

[Part G Consumer advocacy funding 696](#_Toc256000951)

[8.10 Consumer advocacy funding obligation 696](#_Toc256000952)

[Part H Augmentations 696](#_Toc256000953)

[8.11 Augmentations 696](#_Toc256000954)

[8.11.1 Application 696](#_Toc256000955)

[8.11.2 Object 696](#_Toc256000956)

[8.11.3 Definitions 697](#_Toc256000957)

[8.11.4 Planning criteria 697](#_Toc256000958)

[8.11.5 Construction of augmentation that is not a contestable augmentation 698](#_Toc256000959)

[8.11.6 Contestable augmentations 698](#_Toc256000960)

[8.11.7 Construction and operation of contestable augmentation 699](#_Toc256000961)

[8.11.8 Funded augmentations that are not subject to the tender process 700](#_Toc256000962)

[8.11.9 Contractual requirements and principles 701](#_Toc256000963)

[8.11.10 Annual planning review 702](#_Toc256000964)

[Schedule 8.11 Principles to be reflected in agreements relating to contestable augmentations 702](#_Toc256000965)

[S8.11.1 Risk allocation 702](#_Toc256000966)

[S8.11.2 Minimum requirements for agreements relating to contestable augmentation 703](#_Toc256000967)

[S8.11.3 Matters to be dealt with in relevant agreements 703](#_Toc256000968)

[Part I Values of customer reliability 704](#_Toc256000969)

[8.12 Development of methodology and publication of values of customer reliability 704](#_Toc256000970)

[8A. Participant Derogations 709](#_Toc256000971)

[Part 1 Derogations Granted to TransGrid 709](#_Toc256000972)

[8A.1 [Deleted] 709](#_Toc256000973)

[Part 2 Derogations Granted to EnergyAustralia 709](#_Toc256000974)

[8A.2 [Deleted] 709](#_Toc256000975)

[8A.2A [Deleted] 709](#_Toc256000976)

[Part 3 [Deleted] 709](#_Toc256000977)

[Part 4 [Deleted] 709](#_Toc256000978)

[Part 5 [Deleted] 709](#_Toc256000979)

[Part 6 Derogations Granted to Victorian Market Participants 709](#_Toc256000980)

[Part 7 [Deleted] 710](#_Toc256000981)

[Part 8 [Deleted] 710](#_Toc256000982)

[Part 9 [Deleted] 710](#_Toc256000983)

[Part 10 [Deleted] 710](#_Toc256000984)

[Part 11 [Deleted] 710](#_Toc256000985)

[Part 12 [Deleted] 710](#_Toc256000986)

[Part 13 Derogation granted to Aurora Energy (Tamar Valley) Pty Ltd 710](#_Toc256000987)

[8A.13 [Deleted] 710](#_Toc256000988)

[Part 14 Derogations granted to Ausgrid, Endeavour Energy and Essential Energy 710](#_Toc256000989)

[8A.14 Derogations from Chapter 6 for the current regulatory control period and subsequent regulatory control period 710](#_Toc256000990)

[8A.14.1 Definitions 710](#_Toc256000991)

[8A.14.2 Expiry date 714](#_Toc256000992)

[8A.14.3 Application of Rule 8A.14 714](#_Toc256000993)

[8A.14.4 Recovery of revenue across the current regulatory control period and subsequent regulatory control period 715](#_Toc256000994)

[8A.14.5 Recovery of revenue in subsequent regulatory control period only and no reopening of subsequent distribution determination required 716](#_Toc256000995)

[8A.14.6 Recovery of revenue in subsequent regulatory control period only and reopening of distribution determination is required 717](#_Toc256000996)

[8A.14.7 Requirements for adjustment determination 718](#_Toc256000997)

[8A.14.8 Application of Chapter 6 under participant derogation 719](#_Toc256000998)

[Part 15 Derogations granted to ActewAGL 720](#_Toc256000999)

[8A.15 Derogations from Chapter 6 for the current regulatory control period and subsequent regulatory control period 720](#_Toc256001000)

[8A.15.1 Definitions 720](#_Toc256001001)

[8A.15.2 Expiry date 724](#_Toc256001002)

[8A.15.3 Application of Rule 8A.15 724](#_Toc256001003)

[8A.15.4 Recovery of revenue across the current regulatory control period and subsequent regulatory control period 724](#_Toc256001004)

[8A.15.5 Recovery of revenue in subsequent regulatory control period only and no reopening of subsequent distribution determination required 726](#_Toc256001005)

[8A.15.6 Recovery of revenue in subsequent regulatory control period only and reopening of distribution determination is required 727](#_Toc256001006)

[8A.15.7 Requirements for adjustment determination 729](#_Toc256001007)

[8A.15.8 Application of Chapter 6 under participant derogation 729](#_Toc256001008)

[9. Jurisdictional Derogations and Transitional Arrangements 735](#_Toc256001009)

[9.1 Purpose and Application 735](#_Toc256001010)

[9.1.1 Purpose 735](#_Toc256001011)

[9.1.2 Jurisdictional Derogations 735](#_Toc256001012)

[Part A Jurisdictional Derogations for Victoria 735](#_Toc256001013)

[9.2 [Deleted] 735](#_Toc256001014)

[9.3 Definitions 735](#_Toc256001015)

[9.3.1 General Definitions 735](#_Toc256001016)

[9.3.2 [Deleted] 737](#_Toc256001017)

[9.3A Fault levels 737](#_Toc256001018)

[9.4 Transitional Arrangements for Chapter 2 - Registered Participants, Registration and Cross Border Networks 738](#_Toc256001019)

[9.4.1 [Deleted] 738](#_Toc256001020)

[9.4.2 Smelter Trader 738](#_Toc256001021)

[9.4.3 Smelter Trader: compliance 738](#_Toc256001022)

[9.4.4 Report from AER 741](#_Toc256001023)

[9.4.5 Cross Border Networks 741](#_Toc256001024)

[9.5 Transitional Arrangements for Chapter 3 – Reliability and Emergency Reserve Trader 742](#_Toc256001025)

[9.5.1 Definition 742](#_Toc256001026)

[9.5.2 Expiry date 742](#_Toc256001027)

[9.5.3 Multi-year Victorian contracts – term and volume 742](#_Toc256001028)

[9.5.4 Multi-year Victorian contracts - reporting 742](#_Toc256001029)

[9.6 Transitional Arrangements for Chapter 4 - System Security 743](#_Toc256001030)

[9.6.1 Operating Procedures (clause 4.10.1) 743](#_Toc256001031)

[9.6.2 Nomenclature Standards (clause 4.12) 743](#_Toc256001032)

[9.7 Transitional Arrangements for Chapter 5 - Network Connection 744](#_Toc256001033)

[9.7.1 [Deleted] 744](#_Toc256001034)

[9.7.2 [Deleted] 744](#_Toc256001035)

[9.7.3 [Deleted] 744](#_Toc256001036)

[9.7.4 Regulation of Distribution Network Connection 744](#_Toc256001037)

[9.7.5 [Deleted] 745](#_Toc256001038)

[9.7.6 [Deleted] 745](#_Toc256001039)

[9.7.7 [Deleted] 745](#_Toc256001040)

[9.8 Transitional Arrangements for Chapter 6 - Network Pricing 745](#_Toc256001041)

[9.8.1 [Deleted] 745](#_Toc256001042)

[9.8.2 [Deleted] 745](#_Toc256001043)

[9.8.3 [Deleted] 745](#_Toc256001044)

[9.8.4 Transmission Network Pricing 745](#_Toc256001045)

[9.8.4A [Deleted] 746](#_Toc256001046)

[9.8.4B [Deleted] 746](#_Toc256001047)

[9.8.4C [Deleted] 746](#_Toc256001048)

[9.8.4D [Deleted] 746](#_Toc256001049)

[9.8.4E [Deleted] 746](#_Toc256001050)

[9.8.4F [Deleted] 746](#_Toc256001051)

[9.8.4G [Deleted] 746](#_Toc256001052)

[9.8.5 [Deleted] 746](#_Toc256001053)

[9.8.6 [Deleted] 746](#_Toc256001054)

[9.8.7 Distribution network pricing – transitional application of former Chapter 6 746](#_Toc256001055)

[9.8.8 Exclusion of AER's power to aggregate distribution systems and parts of distribution systems 747](#_Toc256001056)

[9.9 Transitional Arrangements for Chapter 7 - Metering 748](#_Toc256001057)

[9.9.1 Metering Installations To Which This Schedule Applies 748](#_Toc256001058)

[9.9.2 [Deleted] 748](#_Toc256001059)

[9.9.3 [Deleted] 748](#_Toc256001060)

[9.9.4 [Deleted] 748](#_Toc256001061)

[9.9.5 [Deleted] 748](#_Toc256001062)

[9.9.6 [Deleted] 748](#_Toc256001063)

[9.9.7 [Deleted] 748](#_Toc256001064)

[9.9.8 [Deleted] 748](#_Toc256001065)

[9.9.9 Periodic Energy Metering (clause 7.9.3) 748](#_Toc256001066)

[9.9.10 Use of Alternate Technologies (clause 7.13) 748](#_Toc256001067)

[9.9A [Deleted] 749](#_Toc256001068)

[9.9B [Deleted] 749](#_Toc256001069)

[9.9C [Deleted] 749](#_Toc256001070)

[1. Interpretation of tables 749](#_Toc256001071)

[2. Continuing effect 749](#_Toc256001072)

[3. Subsequent agreement 750](#_Toc256001073)

[4. [Deleted] 750](#_Toc256001074)

[5. Reactive Power Capability (clause S5.2.5.1 of schedule 5.2) 750](#_Toc256001075)

[6. [Deleted] 751](#_Toc256001076)

[7. [Deleted] 751](#_Toc256001077)

[8. [Deleted] 751](#_Toc256001078)

[9. [Deleted] 751](#_Toc256001079)

[10. [Deleted] 751](#_Toc256001080)

[11. [Deleted 751](#_Toc256001081)

[12. [Deleted] 751](#_Toc256001082)

[13. Governor Systems (load control) (clause S5.2.5.11 of schedule 5.2) 751](#_Toc256001083)

[14. [Deleted] 751](#_Toc256001084)

[15. [Deleted] 751](#_Toc256001085)

[16. Excitation Control System (clause S5.2.5.13 of schedule 5.2) 751](#_Toc256001086)

[Part B Jurisdictional Derogations for New South Wales 752](#_Toc256001087)

[9.10 [Deleted] 752](#_Toc256001088)

[9.11 Definitions 752](#_Toc256001089)

[9.11.1 Definitions used in this Part B 752](#_Toc256001090)

[9.12 Transitional Arrangements for Chapter 2 - Generators, Registered Participants, Registration and Cross Border Networks 753](#_Toc256001091)

[9.12.1 [Deleted] 753](#_Toc256001092)

[9.12.2 Customers 753](#_Toc256001093)

[9.12.3 Power Traders 753](#_Toc256001094)

[9.12.4 Cross Border Networks 756](#_Toc256001095)

[9.13 [Deleted] 757](#_Toc256001096)

[9.14 Transitional Arrangements for Chapter 4 - System Security 757](#_Toc256001097)

[9.14.1 Power System Operating Procedures 757](#_Toc256001098)

[9.15 NSW contestable services for Chapter 5A 757](#_Toc256001099)

[9.15.1 Definitions 757](#_Toc256001100)

[9.15.2 Chapter 5A not to apply to certain contestable services 757](#_Toc256001101)

[9.16 Transitional Arrangements for Chapter 6 - Network Pricing 757](#_Toc256001102)

[9.16.1 NSW contestable services 757](#_Toc256001103)

[9.16.2 [Deleted] 757](#_Toc256001104)

[9.16.3 Jurisdictional Regulator 757](#_Toc256001105)

[9.16.4 Deemed Regulated Interconnector 758](#_Toc256001106)

[9.16.5 [Deleted] 758](#_Toc256001107)

[9.17 Transitional Arrangements for Chapter 7 - Metering 758](#_Toc256001108)

[9.17.1 Extent of Derogations 758](#_Toc256001109)

[9.17.2 Initial Registration (clause 7.1.2) 758](#_Toc256001110)

[9.17.3 Amendments to Schedule 9G1 758](#_Toc256001111)

[9.17.4 Compliance with AS/NZ ISO 9002 (clause S7.4.3(f) of schedule 7.4) 759](#_Toc256001112)

[9.17A [Deleted] 759](#_Toc256001113)

[9.18 [Deleted] 759](#_Toc256001114)

[Part C Jurisdictional Derogations for the Australian Capital Territory 759](#_Toc256001115)

[9.19 [Deleted] 759](#_Toc256001116)

[9.20 Definitions and Transitional Arrangements for Cross-Border Networks 759](#_Toc256001117)

[9.20.1 Definitions 759](#_Toc256001118)

[9.20.2 Cross Border Networks 759](#_Toc256001119)

[9.21 [Deleted] 760](#_Toc256001120)

[9.22 [Deleted] 760](#_Toc256001121)

[9.23 Transitional Arrangements for Chapter 6 - Network Pricing 760](#_Toc256001122)

[9.23.1 [Deleted] 760](#_Toc256001123)

[9.23.2 [Deleted] 760](#_Toc256001124)

[9.23.3 [Deleted 760](#_Toc256001125)

[9.23.4 [Deleted] 760](#_Toc256001126)

[9.24 Transitional Arrangements 760](#_Toc256001127)

[9.24.1 Chapter 7 - Metering 760](#_Toc256001128)

[9.24.2 [Deleted] 760](#_Toc256001129)

[9.24A [Deleted] 760](#_Toc256001130)

[Part D Jurisdictional Derogations for South Australia 760](#_Toc256001131)

[9.25 Definitions 760](#_Toc256001132)

[9.25.1 [Deleted] 760](#_Toc256001133)

[9.25.2 Definitions 760](#_Toc256001134)

[9.26 Transitional Arrangements for Chapter 2 - Registered Participants, Registration And Cross Border Networks 763](#_Toc256001135)

[9.26.1 Registration as a Generator 763](#_Toc256001136)

[9.26.2 Registration as a Customer 764](#_Toc256001137)

[9.26.3 Cross Border Networks 764](#_Toc256001138)

[9.26.4 [Deleted] 764](#_Toc256001139)

[9.26.5 Registration as a Network Service Provider 764](#_Toc256001140)

[9.27 [Deleted] 765](#_Toc256001141)

[9.28 Transitional Arrangements for Chapter 5 - Network Connection 765](#_Toc256001142)

[9.28.1 Application of clause 5.2 765](#_Toc256001143)

[9.28.2 [Deleted] 766](#_Toc256001144)

[9.29 Transitional Arrangements for Chapter 6 - Economic Regulation of Distribution Services 766](#_Toc256001145)

[9.29.1 [Deleted] 766](#_Toc256001146)

[9.29.2 [Deleted] 766](#_Toc256001147)

[9.29.3 [Deleted] 766](#_Toc256001148)

[9.29.4 [Deleted] 766](#_Toc256001149)

[9.29.5 Distribution Network Pricing – South Australia 766](#_Toc256001150)

[9.29.6 Capital contributions, prepayments and financial guarantees 767](#_Toc256001151)

[9.29.7 Ring fencing 767](#_Toc256001152)

[9.29A Monitoring and reporting 767](#_Toc256001153)

[9.30 Transitional Provisions 768](#_Toc256001154)

[9.30.1 Chapter 7 - Metering 768](#_Toc256001155)

[Part E Jurisdictional Derogations for Queensland 768](#_Toc256001156)

[9.31 [Deleted] 768](#_Toc256001157)

[9.32 Definitions and Interpretation 768](#_Toc256001158)

[9.32.1 Definitions 768](#_Toc256001159)

[9.32.2 Interpretation 771](#_Toc256001160)

[9.33 Transitional Arrangements for Chapter 1 771](#_Toc256001161)

[9.33.1 [Deleted] 771](#_Toc256001162)

[9.34 Transitional Arrangements for Chapter 2 - Registered Participants and Registration 771](#_Toc256001163)

[9.34.1 Application of the Rules in Queensland (clauses 2.2 and 2.5) 771](#_Toc256001164)

[9.34.2 Stanwell Cross Border Leases (clause 2.2) 771](#_Toc256001165)

[9.34.3 [Deleted] 771](#_Toc256001166)

[9.34.4 Registration as a Customer (clause 2.3.1) 771](#_Toc256001167)

[9.34.5 There is no clause 9.34.5 772](#_Toc256001168)

[9.34.6 Exempted generation agreements (clause 2.2) 772](#_Toc256001169)

[9.35 [Deleted] 776](#_Toc256001170)

[9.36 [Deleted] 776](#_Toc256001171)

[9.37 Transitional Arrangements for Chapter 5 - Network Connection 776](#_Toc256001172)

[9.37.1 [Deleted] 776](#_Toc256001173)

[9.37.2 Existing connection and access agreements (clause 5.2) 776](#_Toc256001174)

[9.37.3 [Deleted] 777](#_Toc256001175)

[9.37.4 [Deleted] 777](#_Toc256001176)

[9.37.5 Forecasts for connection points to transmission network (clause 5.11.1) 777](#_Toc256001177)

[9.37.6 There is no clause 9.37.6 777](#_Toc256001178)

[9.37.7 Cross Border Networks 777](#_Toc256001179)

[9.37.8 [Deleted] 778](#_Toc256001180)

[9.37.9 Credible contingency events (clause S5.1.2.1 of schedule 5.1) 778](#_Toc256001181)

[9.37.10 Reactive power capability (clause S5.2.5.1 of schedule 5.2) 778](#_Toc256001182)

[9.37.11 [Deleted] 779](#_Toc256001183)

[9.37.12 Voltage fluctuations (clause S5.1.5 of schedule 5.1) 779](#_Toc256001184)

[9.37.13 [Deleted] 781](#_Toc256001185)

[9.37.14 [Deleted] 781](#_Toc256001186)

[9.37.15 [Deleted] 781](#_Toc256001187)

[9.37.16 [Deleted] 781](#_Toc256001188)

[9.37.17 [Deleted] 781](#_Toc256001189)

[9.37.18 [Deleted] 781](#_Toc256001190)

[9.37.19 Generating unit response to disturbances (clause S5.2.5.3 of schedule 5.2) 781](#_Toc256001191)

[9.37.20 [Deleted] 781](#_Toc256001192)

[9.37.21 Excitation control system (clause S.5.2.5.13 of schedule 5.2) 781](#_Toc256001193)

[9.37.22 [Deleted] 782](#_Toc256001194)

[9.37.23 Annual forecast information for planning purposes (schedule 5.7) 782](#_Toc256001195)

[9.38 Transitional Arrangements for Chapter 6 - Network Pricing 782](#_Toc256001196)

[9.38.1 [Deleted] 782](#_Toc256001197)

[9.38.2 [Deleted] 782](#_Toc256001198)

[9.38.3 [Deleted] 782](#_Toc256001199)

[9.38.4 Interconnectors between regions 782](#_Toc256001200)

[9.38.5 Transmission pricing for exempted generation agreements 782](#_Toc256001201)

[9.39 Transitional Arrangements for Chapter 7 - Metering 783](#_Toc256001202)

[9.39.1 Metering installations to which this clause applies 783](#_Toc256001203)

[9.39.2 [Deleted] 784](#_Toc256001204)

[9.39.3 [Deleted] 784](#_Toc256001205)

[9.39.4 [Deleted] 784](#_Toc256001206)

[9.39.5 [Deleted] 784](#_Toc256001207)

[9.40 Transitional Arrangements for Chapter 8 - Administration Functions 784](#_Toc256001208)

[9.40.1 [Deleted] 784](#_Toc256001209)

[9.40.2 [Deleted] 784](#_Toc256001210)

[9.40.3 [Deleted] 784](#_Toc256001211)

[9.41 [Deleted] 784](#_Toc256001212)

[Part F Jurisdictional Derogations for Tasmania 785](#_Toc256001213)

[9.42 Definitions and interpretation 785](#_Toc256001214)

[9.42.1 Definitions 785](#_Toc256001215)

[9.42.2 Interpretation 786](#_Toc256001216)

[9.42.3 National grid, power system and related expressions 786](#_Toc256001217)

[9.43 [Deleted] 787](#_Toc256001218)

[9.44 Transitional arrangements for Chapter 2 – Registered Participants and Registration - Customers (clause 2.3.1(e)) 787](#_Toc256001219)

[9.45 Tasmanian Region (clause 3.5) 787](#_Toc256001220)

[9.47 Transitional arrangements for Chapter 5- Network Connection 787](#_Toc256001221)

[9.47.1 Existing Connection Agreements 787](#_Toc256001222)

[9.48 Transitional arrangements - Transmission and Distribution Pricing 787](#_Toc256001223)

[9.48.4A Ring fencing 787](#_Toc256001224)

[9.48.4B Uniformity of tariffs for small customers 788](#_Toc256001225)

[9.48.5 Transmission network 788](#_Toc256001226)

[9.48.6 Deemed regulated interconnector 788](#_Toc256001227)

[Part G Schedules to Chapter 9 788](#_Toc256001228)

[1. Introduction 788](#_Toc256001229)

[2. [Deleted] 788](#_Toc256001230)

[3. General Principle 788](#_Toc256001231)

[4. [Deleted] 789](#_Toc256001232)

[5. Accuracy Requirements 789](#_Toc256001233)

[6. [Deleted] 789](#_Toc256001234)

[7. [Deleted] 789](#_Toc256001235)

[8. [Deleted] 789](#_Toc256001236)

[9. [Deleted] 789](#_Toc256001237)

[10. [Deleted] 789](#_Toc256001238)

[10. Glossary 793](#_Toc256001239)

[11. Savings and Transitional Rules 913](#_Toc256001240)

[Part ZZJ Demand management incentive scheme 913](#_Toc256001241)

[11.82 Rules consequential on making of the National Electricity Amendment (Demand management incentive scheme) Rule 2015 913](#_Toc256001242)

[11.82.1 Definitions 913](#_Toc256001243)

[11.82.2 AER to develop and publish the demand management incentive scheme and demand management innovation allowance mechanism 913](#_Toc256001244)

[Part ZZM Common definitions of distribution reliability measures 913](#_Toc256001245)

[11.85 Rules consequential on the making of the National Electricity Amendment (Common definitions of distribution reliability measures) Rule 2015 913](#_Toc256001246)

[11.85.1 Definitions 913](#_Toc256001247)

[11.85.2 Distribution reliability measures guidelines 914](#_Toc256001248)

[11.85.3 Amended STPIS 914](#_Toc256001249)

[11.86.8 Distribution Ring Fencing Guidelines 914](#_Toc256001250)

[Part ZZU Rate of Return Guidelines Review 914](#_Toc256001251)

[11.93 Rules consequential on the making of the National Electricity Amendment (Rate of Return Guidelines Review) Rule 2016 914](#_Toc256001252)

[11.93.1 Definitions 914](#_Toc256001253)

[11.93.2 Application of current rate of return guidelines to making of a distribution determination for the subsequent regulatory control period 915](#_Toc256001254)

[Part ZZV Demand Response Mechanism and Ancillary Services Unbundling 916](#_Toc256001255)

[11.94 Rules consequential on the making of the National Electricity Amendment (Demand Response Management and Ancillary Services Unbundling) rule 2016 916](#_Toc256001256)

[11.94.1 Definitions 916](#_Toc256001257)

[11.94.2 Participant fees for Market Ancillary Service Providers 916](#_Toc256001258)

[Part ZZW Local Generation Network Credits 916](#_Toc256001259)

[11.95 Rules consequential on the making of the National Electricity Amendment (Local Generation Network Credits) Rule 2016 916](#_Toc256001260)

[11.95.1 Definitions 916](#_Toc256001261)

[11.95.2 System limitation template 916](#_Toc256001262)

[Part ZZY Emergency Frequency Control Schemes 917](#_Toc256001263)

[11.97 Rules consequent on the making of the National Electricity Amendment (Emergency frequency control schemes) Rule 2017 917](#_Toc256001264)

[11.97.1 Definitions 917](#_Toc256001265)

[11.97.2 Interim frequency operating standards for protected events 917](#_Toc256001266)

[11.97.3 First power system frequency risk review 918](#_Toc256001267)

[11.97.4 AEMO must review existing load shedding procedures 918](#_Toc256001268)

[11.97.5 Load shedding procedures 918](#_Toc256001269)

[Part ZZZ Transmission Connection and Planning Arrangements 919](#_Toc256001270)

[11.98 Rules consequential on the making of the National Electricity Amendment (Transmission Connection and Planning Arrangements) Rule 2017 919](#_Toc256001271)

[11.98.1 Definitions 919](#_Toc256001272)

[11.98.2 Grandfathering of existing dedicated connection assets 920](#_Toc256001273)

[11.98.3 Preparatory steps for registration changes under the Amending Rule 920](#_Toc256001274)

[11.98.4 Participant fees for Dedicated Connection Asset Service Providers 921](#_Toc256001275)

[11.98.5 Existing Connection Agreements 921](#_Toc256001276)

[11.98.6 Connection process 921](#_Toc256001277)

[11.98.7 Transmission Annual Planning Report 922](#_Toc256001278)

[11.98.8 Preservation for adoptive jurisdictions 922](#_Toc256001279)

[Part ZZZA Replacement expenditure planning arrangements 922](#_Toc256001280)

[11.99 Rules consequential on the making of the National Electricity Amendment (Replacement expenditure planning arrangements) Rule 2017 922](#_Toc256001281)

[11.99.1 Definitions 922](#_Toc256001282)

[11.99.2 Interpretation 923](#_Toc256001283)

[11.99.3 Transitional arrangements for affected DNSPs 924](#_Toc256001284)

[11.99.4 Amendments to RIT documentation 924](#_Toc256001285)

[11.99.5 Transitional arrangements relating to excluded projects 924](#_Toc256001286)

[11.99.6 Transitional arrangements relating to Victorian bushfire mitigation projects 924](#_Toc256001287)

[11.99.7 Transitional arrangements relating to review of costs thresholds 925](#_Toc256001288)

[Part ZZZB Managing the rate of change of power system frequency 925](#_Toc256001289)

[11.100 Rules consequential on the making of the National Electricity Amendment (Managing the rate of change of power system frequency) Rule 2017 925](#_Toc256001290)

[11.100.1 Definitions 925](#_Toc256001291)

[11.100.2 Inertia sub-networks 926](#_Toc256001292)

[11.100.3 Inertia requirements methodology 926](#_Toc256001293)

[11.100.4 Inertia requirements 926](#_Toc256001294)

[11.100.5 NSCAS not to be used to meet an inertia shortfall after 1 July 2019 927](#_Toc256001295)

[11.100.6 Inertia network services may be used to meet an NSCAS gap declared in the NSCAS transition period 927](#_Toc256001296)

[11.100.7 Inertia network services made available before the commencement date 928](#_Toc256001297)

[Part ZZZC Managing power system fault levels 928](#_Toc256001298)

[11.101 Rules consequential on the making of the National Electricity Amendment (Managing power system fault levels) Rule 2017 928](#_Toc256001299)

[11.101.1 Definitions 928](#_Toc256001300)

[11.101.2 System strength impact assessment guidelines 930](#_Toc256001301)

[11.101.3 System strength requirements methodology 930](#_Toc256001302)

[11.101.4 System strength requirements 930](#_Toc256001303)

[11.101.5 NSCAS not to be used to meet a fault level shortfall after 1 July 2019 931](#_Toc256001304)

[11.101.6 System strength services may be used to meet an NSCAS gap declared in the NSCAS transition period 931](#_Toc256001305)

[11.101.7 Withdrawal of a system strength-related NSCAS gap already declared 932](#_Toc256001306)

[11.101.8 System strength services made available before the commencement date 932](#_Toc256001307)

[Part ZZZD Generating System Model Guidelines 932](#_Toc256001308)

[11.102 Making of Power System Model Guidelines 932](#_Toc256001309)

[Part ZZZE Five Minute Settlement 932](#_Toc256001310)

[11.103 Rules consequential on the making of the National Electricity Amendment (Five Minute Settlement) Rule 2017 932](#_Toc256001311)

[11.103.1 Definitions 932](#_Toc256001312)

[11.103.2 Amendments to procedures 933](#_Toc256001313)

[11.103.3. Exemption for certain metering installations 934](#_Toc256001314)

[11.103.4 New or replacement meters 934](#_Toc256001315)

[11.103.5 Metering installations exempt from metering data provision requirements 935](#_Toc256001316)

[11.103.6 Exemption from meter data storage requirements 935](#_Toc256001317)

[11.103.7 Default offers and bids submitted prior to the commencement date 935](#_Toc256001318)

[Part ZZZF Contestability of energy services 935](#_Toc256001319)

[11.104 Rules consequential on the making of the National Electricity Amendment (Contestability of energy services) Rule 2017 935](#_Toc256001320)

[11.104.1 Definitions 935](#_Toc256001321)

[11.104.2 New guidelines 937](#_Toc256001322)

[11.104.3 Transitional arrangements for application of Distribution Service Classification Guidelines and service classification provisions 937](#_Toc256001323)

[11.104.4 Transitional arrangements for application of Asset Exemption Guidelines, exemption applications and asset exemption decisions 937](#_Toc256001324)

[11.104.5 Transitional arrangements for adjustment in value of regulatory asset base 939](#_Toc256001325)

[Part ZZZG Declaration of lack of reserve conditions 939](#_Toc256001326)

[11.105 Making of lack of reserve declaration guidelines 939](#_Toc256001327)

[11.105.1 Definitions 939](#_Toc256001328)

[11.105.2 Making of lack of reserve declaration guidelines 939](#_Toc256001329)

[Part ZZZH Implementation of demand management incentive scheme 939](#_Toc256001330)

[11.106 Implementation of demand management incentive scheme 939](#_Toc256001331)

[11.106.1 Definitions 939](#_Toc256001332)

[11.106.2 Purpose 940](#_Toc256001333)

[11.106.3 Early application of revised demand management incentive scheme 940](#_Toc256001334)

[Part ZZZI Reinstatement of long notice Reliability and Emergency Reserve Trader 941](#_Toc256001335)

[11.107 Rules consequential on the making of the National Electricity Amendment (Reinstatement of long notice Reliability and Emergency Reserve Trader) Rule 2018 941](#_Toc256001336)

[11.107.1 Definitions 941](#_Toc256001337)

[11.107.2 New RERT guidelines 942](#_Toc256001338)

[11.107.3 Amendments to RERT procedures 945](#_Toc256001339)

[11.107.4 Reserve contracts entered into before the commencement date 945](#_Toc256001340)

[Part ZZZJ Register of distributed energy resources 945](#_Toc256001341)

[11.108 Rules consequential on the making of the National Electricity Amendment (Register of distributed energy resources) Rule 2018 945](#_Toc256001342)

[11.108.1 Definitions 945](#_Toc256001343)

[11.108.2 AEMO to develop and publish DER register information guidelines 946](#_Toc256001344)

[11.108.3 NSPs to provide AEMO with existing DER generation information 946](#_Toc256001345)

[Part ZZZK Generator technical performance standards 946](#_Toc256001346)

[11.109 Rules consequential on the making of the National Electricity Amendment (Generator technical performance standards) Rule 2018 946](#_Toc256001347)

[11.109.1 Definitions 946](#_Toc256001348)

[11.109.2 Application of the Amending Rule to existing connection enquiries 947](#_Toc256001349)

[11.109.3 Application of the Amending Rule to existing applications to connect 948](#_Toc256001350)

[11.109.4 Application of the Amending Rule to existing offers to connect 950](#_Toc256001351)

[11.109.5 Application of the Amending Rule to Existing Connection Agreements 950](#_Toc256001352)

[Part ZZZL Generator three year notice of closure 951](#_Toc256001353)

[11.110 Rules consequential on the making of the National Electricity Amendment (Generator three year notice of closure) Rule 2018 951](#_Toc256001354)

[11.110.1 Definitions 951](#_Toc256001355)

[11.110.2 AER to develop and publish notice of closure exemption guideline 951](#_Toc256001356)

[11.110.3 Application of Amending Rule to AEMO 951](#_Toc256001357)

[11.110.4 Application of Amending Rule to Generators 951](#_Toc256001358)

[Part ZZZM Participant compensation following market suspension 952](#_Toc256001359)

[11.111 Rules consequential on the making of the National Electricity Amendment (Participant compensation following market suspension) Rule 2018 952](#_Toc256001360)

[11.111.1 Definitions 952](#_Toc256001361)

[11.111.2 Market suspension compensation methodology and schedule of benchmark values 952](#_Toc256001362)

[Part ZZZN Global settlement and market reconciliation 952](#_Toc256001363)

[11.112 Rules consequential on the making of the National Electricity Amendment (Global settlement and market reconciliation) Rule 2018 952](#_Toc256001364)

[11.112.1 Definitions 952](#_Toc256001365)

[11.112.2 Amendments to AEMO procedures 953](#_Toc256001366)

[11.112.3 AEMO to publish report on unaccounted for energy trends 953](#_Toc256001367)

[11.112.4 Continuation of registration for non-market generators 953](#_Toc256001368)

[11.112.5 Publication of UFE data by AEMO 953](#_Toc256001369)

[11.112.6 Publication of UFE reporting guidelines 954](#_Toc256001370)

[Part ZZZO Metering installation timeframes 954](#_Toc256001371)

[11.113 Rules consequential on making of the National Electricity Amendment (Metering installation timeframes) Rule 2018 954](#_Toc256001372)

[11.113.1 Definitions 954](#_Toc256001373)

[11.113.2 Timeframes for meters to be installed 954](#_Toc256001374)

[Part ZZZP Early implementation of ISP priority projects 955](#_Toc256001375)

[11.114 National Electricity Amendment (Early implementation of ISP priority projects) Rule 2019 955](#_Toc256001376)

[11.114.1 Definitions 955](#_Toc256001377)

[11.114.2 Modifications to clause 5.16.6 for ISP VNI and QNI projects 956](#_Toc256001378)

[11.114.3 Modifications to clause 6A.8.2 for ISP projects 957](#_Toc256001379)

[Part ZZZQ Enhancement to the Reliability and Emergency Reserve Trader 959](#_Toc256001380)

[11.115 Rules consequential on the making of the National Electricity Amendment (Enhancement to the reliability and emergency reserve trader) Rule 2019 959](#_Toc256001381)

[11.115.1 Definitions 959](#_Toc256001382)

[11.115.2 New RERT guidelines 960](#_Toc256001383)

[11.115.3 Amendments to RERT procedures 960](#_Toc256001384)

[11.115.4 Reserve contracts entered into before the commencement date 960](#_Toc256001385)

[11.115.5 Clause 3.20.6 (Reporting on RERT by AEMO) 960](#_Toc256001386)

[Part ZZZR Retailer Reliability Obligation 960](#_Toc256001387)

[11.116 Rules consequential on the making of the National Electricity Amendment (Retailer Reliability Obligation) Rule 2019 960](#_Toc256001388)

[11.116.1 Application 960](#_Toc256001389)

[11.116.2 Reliability Instrument Guidelines 961](#_Toc256001390)

[11.116.3 Forecasting Best Practice Guidelines 961](#_Toc256001391)

[11.116.4 Reliability Forecast Guidelines 961](#_Toc256001392)

[11.116.5 AER Opt-in Guidelines 962](#_Toc256001393)

[11.116.6 Contracts and Firmness Guidelines 962](#_Toc256001394)

[11.116.7 Qualifying contracts under interim Contracts and Firmness Guidelines 962](#_Toc256001395)

[11.116.8 Grandfathering arrangements 962](#_Toc256001396)

[11.116.9 Reliability Compliance Procedures and Guidelines 963](#_Toc256001397)

[11.116.10 MLO Guidelines 964](#_Toc256001398)

[11.116.11 Application of Part G, Divisions 2 – 6 (inclusive) 964](#_Toc256001399)

[11.116.12 Interim deeming of MLO generators and MLO groups 965](#_Toc256001400)

[11.116.13 MLO information template 971](#_Toc256001401)

[11.116.14 Initial MLO register 972](#_Toc256001402)

[11.116.15 Approved MLO products list 972](#_Toc256001403)

[11.116.16 Designated MLO exchange 972](#_Toc256001404)

[11.116.17 Five minute settlement intervals 972](#_Toc256001405)

[11.116.18 Review by AEMC 972](#_Toc256001406)

[Part ZZZS Transparency of new projects 973](#_Toc256001407)

[11.117 Rules consequential on the making of the National Electricity Amendment (Transparency of new projects) Rule 2019 973](#_Toc256001408)

[11.117.1 Definitions 973](#_Toc256001409)

[11.117.2 Generation information page 973](#_Toc256001410)

[11.117.3 Generation information guidelines 973](#_Toc256001411)

[11.117.4 Provision and use of information 974](#_Toc256001412)

[Part ZZZT Demand management incentive scheme and innovation allowance for TNSPs 974](#_Toc256001413)

[11.118 Rules consequential on the making of the National Electricity Amendment (Demand management incentive scheme and innovation allowance for TNSPs) Rule 2019 974](#_Toc256001414)

[11.118.1 Definitions 974](#_Toc256001415)

[11.118.2 AER to develop and publish the demand management innovation allowance mechanism 974](#_Toc256001416)

[Part ZZZU Application of the regional reference node test to the Reliability and Emergency Reserve Trader 975](#_Toc256001417)

[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 975](#_Toc256001418)

[11.119.1 Definitions 975](#_Toc256001419)

[11.119.2 AEMO intervention event in effect on commencement date 975](#_Toc256001420)

[Part ZZZV Improving Transparency and Extending Duration of MT PASA 975](#_Toc256001421)

[11.120 Rules consequential on the making of the National Electricity Amendment (Improving transparency and extending duration of MT PASA) Rule 2020 975](#_Toc256001422)

[11.120.1 AEMO to update spot market operations timetable 975](#_Toc256001423)

[Part ZZZW Victorian jurisdictional derogation – RERT contracting 975](#_Toc256001424)

[11.121 Rules consequential on the making of the National Electricity Amendment (Victorian jurisdictional derogation - RERT contracting) Rule 2020 975](#_Toc256001425)

[11.121.1 Definitions 975](#_Toc256001426)

[11.121.2 Procedures 976](#_Toc256001427)

[Part ZZZX Mandatory primary frequency response 976](#_Toc256001428)

[11.122 Rules consequential on the making of the National Electricity Amendment (Mandatory primary frequency response) Rule 2020 976](#_Toc256001429)

[11.122.1 Definitions 976](#_Toc256001430)

[11.122.2 Interim Primary Frequency Response Requirements 976](#_Toc256001431)

[11.122.3 Action taken prior to commencement 977](#_Toc256001432)

[Part ZZZY System restart services, standards and testing 977](#_Toc256001433)

[11.123 Rules consequential on the making of the National Electricity Amendment (System restart services, standards and testing) Rule 2020 977](#_Toc256001434)

[11.123.1 Definitions 977](#_Toc256001435)

[11.123.2 SRAS Guideline 977](#_Toc256001436)

[11.123.3 System restart standard 978](#_Toc256001437)

[11.123.4 Communication protocols 978](#_Toc256001438)

[11.123.5 System restart tests 978](#_Toc256001439)

[Part ZZZZ Introduction of metering coordinator planned interruptions 978](#_Toc256001440)

[11.124 Rules consequential on the making of the National Electricity Amendment (Introduction of metering coordinator planned interruptions) Rule 2020 978](#_Toc256001441)

[11.124.1 Definitions 978](#_Toc256001442)

[11.124.2 Amendments of the metrology procedure 979](#_Toc256001443)

[11.124.3 Market Settlement and Transfer Solutions Procedures 979](#_Toc256001444)

[11.124.4 Requirements of the metrology procedure 979](#_Toc256001445)

[Part ZZZZA Wholesale demand response 979](#_Toc256001446)

[11.125 Rules consequential on the making of the National Electricity Amendment (Wholesale demand response mechanism) Rule 2020 979](#_Toc256001447)

[11.125.1 Definitions 979](#_Toc256001448)

[11.125.2 Wholesale demand response guidelines 980](#_Toc256001449)

[11.125.3 Baseline methodologies 981](#_Toc256001450)

[11.125.4 Wholesale demand response participation guidelines 981](#_Toc256001451)

[11.125.5 Extension of time for registration and aggregation 981](#_Toc256001452)

[11.125.6 Amendments to AEMO, AER and AEMC documents 981](#_Toc256001453)

[11.125.7 Amendments to the demand side participation information guidelines 982](#_Toc256001454)

[11.125.8 Amendment to RERT guidelines 982](#_Toc256001455)

[11.125.9 Renaming of Market Ancillary Service Providers 983](#_Toc256001456)

[11.125.10 Wholesale demand response annual reporting 983](#_Toc256001457)

[11A. NT Savings and Transitional Rules 987](#_Toc256001458)

[Part A Savings and transitional rules for Chapter 5 987](#_Toc256001459)

[11A.1 Chapter 5 provisions 987](#_Toc256001460)

[Part B Savings and transitional rules for Chapter 5A 987](#_Toc256001461)

[11A.2 Model standing offers 987](#_Toc256001462)

[11A.2.1 Definitions 987](#_Toc256001463)

[11A.2.2 Extended meaning of some terms 988](#_Toc256001464)

[11A.2.3 Transitional operation of relevant provisions 988](#_Toc256001465)

[11A.2.4 Exclusions, qualifications and modifications 988](#_Toc256001466)

[11A.2.5 References 989](#_Toc256001467)

[Part C Savings and transitional rules for Chapter 7A 989](#_Toc256001468)

[11A.3 Existing metering installations 990](#_Toc256001469)

[11A.4 Testing metering installations 990](#_Toc256001470)

[11A.5 Metering data services database and related requirements 991](#_Toc256001471)

[11A.6 Communication guideline 992](#_Toc256001472)

[11A.7 Timeframes for meters to be installed 992](#_Toc256001473)