National Electricity Rules As in force in the Northern Territory

Version 79

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 24 October 2021.

This consolidated version of the NT NER reflects the current version of the National Electricity Rules (version 174) 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)

[1.3.1A1 Definitions 3](#_Toc256000007)

[1.3.1 Introduction 3](#_Toc256000008)

[1.3.2 Parts, Divisions and Subdivisions 3](#_Toc256000009)

[1.3.3 Rules, clauses, paragraphs, subparagraphs and other items 4](#_Toc256000010)

[1.4 Effect of renumbering of provisions of the Rules 5](#_Toc256000011)

[1.5 [Deleted] 5](#_Toc256000012)

[1.6 [Deleted] 5](#_Toc256000013)

[1.7 Interpretation 5](#_Toc256000014)

[1.7.1 General 5](#_Toc256000015)

[1.7.1A Inconsistency with National Measurement Act 6](#_Toc256000016)

[1.7.1B Instruments 6](#_Toc256000017)

[1.8 Notices 7](#_Toc256000018)

[1.8.1 Service of notices under the Rules 7](#_Toc256000019)

[1.8.2 Time of service 7](#_Toc256000020)

[1.8.3 Counting of days 8](#_Toc256000021)

[1.8.4 Reference to addressee 8](#_Toc256000022)

[1.9 Retention of Records and Documents 8](#_Toc256000023)

[1.9A NTESMO’s costs in connection with these Rules 8](#_Toc256000024)

[1.10 [Deleted] 8](#_Toc256000025)

[1.11 AEMO Rule Funds 8](#_Toc256000026)

[2. Registered Participants and Registration 13](#_Toc256000027)

[2A. Regional Structures 17](#_Toc256000028)

[3. Market Rules 21](#_Toc256000029)

[4. Power System Security 25](#_Toc256000030)

[4A. Retailer Reliability Obligation 29](#_Toc256000031)

[Part A Introduction 29](#_Toc256000032)

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

[4A.A.1 Definitions 29](#_Toc256000034)

[4A.A.2 Forecast reliability gap materiality 32](#_Toc256000035)

[4A.A.3 One-in-two year peak demand forecast 32](#_Toc256000036)

[4A.A.4 Peak demand 33](#_Toc256000037)

[Part B Reliability Forecasts 33](#_Toc256000038)

[4A.B.1 Reliability forecast 33](#_Toc256000039)

[4A.B.2 Reliability forecast components 34](#_Toc256000040)

[4A.B.3 Supporting materials 34](#_Toc256000041)

[4A.B.4 Reliability Forecast Guidelines 34](#_Toc256000042)

[4A.B.5 AER Forecasting Best Practice Guidelines 36](#_Toc256000043)

[Part C Reliability Instruments 36](#_Toc256000044)

[Division 1 AEMO request for a reliability instrument 36](#_Toc256000045)

[4A.C.1 AEMO request for a reliability instrument 36](#_Toc256000046)

[4A.C.2 AEMO request for a T-3 reliability instrument 36](#_Toc256000047)

[4A.C.3 AEMO request for a T-1 reliability instrument 37](#_Toc256000048)

[4A.C.4 Related T-3 reliability instrument 37](#_Toc256000049)

[4A.C.5 Notification of a closed forecast reliability gap at T-1 38](#_Toc256000050)

[4A.C.6 Corrections to a request 38](#_Toc256000051)

[4A.C.7 Withdrawing a request 38](#_Toc256000052)

[Division 2 AER making of a reliability instrument 39](#_Toc256000053)

[4A.C.8 AER making of a reliability instrument 39](#_Toc256000054)

[4A.C.9 When a decision by the AER must be made 39](#_Toc256000055)

[4A.C.10 T-1 reliability instrument components 39](#_Toc256000056)

[4A.C.11 AER decision making criteria 39](#_Toc256000057)

[4A.C.12 Reliability Instrument Guidelines 40](#_Toc256000058)

[Part D Liable Entities 40](#_Toc256000059)

[4A.D.1 Application 40](#_Toc256000060)

[4A.D.2 Liable entities 40](#_Toc256000061)

[4A.D.3 New entrants 41](#_Toc256000062)

[4A.D.4 Application to register as large opt-in customer 41](#_Toc256000063)

[4A.D.5 Application to register as prescribed opt-in customer 42](#_Toc256000064)

[4A.D.6 Thresholds 43](#_Toc256000065)

[4A.D.7 Opt-in cut-off day 43](#_Toc256000066)

[4A.D.8 AER approval of applications 43](#_Toc256000067)

[4A.D.9 AER opt-in register 44](#_Toc256000068)

[4A.D.10 Changes to register 44](#_Toc256000069)

[4A.D.11 AER register taken to be correct 45](#_Toc256000070)

[4A.D.12 AEMO Opt-In Procedures 45](#_Toc256000071)

[4A.D.13 AER Opt-In Guidelines 45](#_Toc256000072)

[Part E Qualifying Contracts and Net Contract Position 46](#_Toc256000073)

[Division 1 Key concepts 46](#_Toc256000074)

[4A.E.1 Qualifying contracts 46](#_Toc256000075)

[4A.E.2 Net contract position 47](#_Toc256000076)

[Division 2 Firmness methodologies 48](#_Toc256000077)

[4A.E.3 Firmness methodology 48](#_Toc256000078)

[4A.E.4 Types of methodologies 48](#_Toc256000079)

[4A.E.5 Approval of a bespoke firmness methodology 48](#_Toc256000080)

[Division 3 Reporting net contract position 49](#_Toc256000081)

[4A.E.6 Reporting requirements 49](#_Toc256000082)

[Division 4 Adjustment of net contract position 50](#_Toc256000083)

[4A.E.7 Adjustment of net contract position 50](#_Toc256000084)

[Division 5 Contracts and Firmness Guidelines 51](#_Toc256000085)

[4A.E.8 Contracts and Firmness Guidelines 51](#_Toc256000086)

[Part F Compliance with the Retailer Reliability Obligation 52](#_Toc256000087)

[Division 1 Application 52](#_Toc256000088)

[4A.F.1 Application 52](#_Toc256000089)

[Division 2 Key concepts 52](#_Toc256000090)

[4A.F.2 Compliance TI 52](#_Toc256000091)

[4A.F.3 Share of one-in-two year peak demand forecast 53](#_Toc256000092)

[Division 3 AEMO notifications to AER 54](#_Toc256000093)

[4A.F.4 AEMO notification of compliance trading intervals 54](#_Toc256000094)

[4A.F.5 AEMO compliance report 55](#_Toc256000095)

[Division 4 AER assessment of compliance 55](#_Toc256000096)

[4A.F.6 Reliability Compliance Procedures and Guidelines 55](#_Toc256000097)

[4A.F.7 AER assessment 55](#_Toc256000098)

[4A.F.8 AER notification to AEMO for PoLR costs 56](#_Toc256000099)

[Division 5 Miscellaneous 56](#_Toc256000100)

[4A.F.9 Demand response information 56](#_Toc256000101)

[4A.F.10 PoLR cost procedures 56](#_Toc256000102)

[Part G Market Liquidity Obligation 57](#_Toc256000103)

[Division 1 Preliminary 57](#_Toc256000104)

[4A.G.1 Overview of Part G 57](#_Toc256000105)

[4A.G.2 Purpose and application 57](#_Toc256000106)

[Division 2 Market Generators and trading right holders 58](#_Toc256000107)

[4A.G.3 Market Generators and generator capacity 58](#_Toc256000108)

[4A.G.4 Trading rights and trading right holders 58](#_Toc256000109)

[Division 3 Trading groups 59](#_Toc256000110)

[4A.G.5 Trading group 59](#_Toc256000111)

[4A.G.6 Controlling entity 59](#_Toc256000112)

[Division 4 Traced capacity and trading group capacity 61](#_Toc256000113)

[4A.G.7 Traced capacity 61](#_Toc256000114)

[4A.G.8 Tracing capacity to trading groups 61](#_Toc256000115)

[4A.G.9 Trading group capacity 61](#_Toc256000116)

[Division 5 MLO generators and MLO groups 62](#_Toc256000117)

[4A.G.10 MLO group 62](#_Toc256000118)

[4A.G.11 MLO generator 62](#_Toc256000119)

[Division 6 Market Generator information 62](#_Toc256000120)

[4A.G.12 MLO register 62](#_Toc256000121)

[4A.G.13 Market Generator information 64](#_Toc256000122)

[4A.G.14 Applications to the AER 65](#_Toc256000123)

[Division 7 Liquidity period 65](#_Toc256000124)

[4A.G.15 Notices prior to a liquidity period 65](#_Toc256000125)

[4A.G.16 Duration of liquidity period 65](#_Toc256000126)

[Division 8 Liquidity obligation 66](#_Toc256000127)

[4A.G.17 Liquidity obligation 66](#_Toc256000128)

[4A.G.18 Performing a liquidity obligation 66](#_Toc256000129)

[4A.G.19 Volume limits 68](#_Toc256000130)

[4A.G.20 Appointment of MLO nominee 69](#_Toc256000131)

[4A.G.21 Exemptions 69](#_Toc256000132)

[Division 9 MLO products and MLO exchange 70](#_Toc256000133)

[4A.G.22 MLO products 70](#_Toc256000134)

[4A.G.23 MLO exchange 71](#_Toc256000135)

[Division 10 Miscellaneous 72](#_Toc256000136)

[4A.G.24 MLO compliance and reporting 72](#_Toc256000137)

[4A.G.25 MLO Guidelines 72](#_Toc256000138)

[Part H Voluntary Book Build 73](#_Toc256000139)

[4A.H.1 Purpose and application 73](#_Toc256000140)

[4A.H.2 Book Build Procedures 73](#_Toc256000141)

[4A.H.3 Commencement of voluntary book build 74](#_Toc256000142)

[4A.H.4 Participation in the voluntary book build 74](#_Toc256000143)

[4A.H.5 Book build fees 75](#_Toc256000144)

[4A.H.6 Reporting 75](#_Toc256000145)

[5. Network Connection Access, Planning and Expansion 79](#_Toc256000146)

[Part A Introduction 79](#_Toc256000147)

[5.1 Introduction to Chapter 5 79](#_Toc256000148)

[5.1.1 Structure of this Chapter 79](#_Toc256000149)

[5.1.2 Overview of Part B and connection and access under the Rules 79](#_Toc256000150)

[5.1.3 Definitions 82](#_Toc256000151)

[Part B Network Connection and Access 83](#_Toc256000152)

[5.1A Introduction to Part B 83](#_Toc256000153)

[5.1A.1 Purpose and Application 83](#_Toc256000154)

[5.1A.2 Principles 85](#_Toc256000155)

[5.1A.3 Dedicated connection asset service providers 86](#_Toc256000156)

[5.2 Obligations 86](#_Toc256000157)

[5.2.1 Obligations of Registered Participants 86](#_Toc256000158)

[5.2.2 Connection agreements 87](#_Toc256000159)

[5.2.3 Obligations of network service providers 87](#_Toc256000160)

[5.2.3A Obligations of Market Network Service Providers 92](#_Toc256000161)

[5.2.4 Obligations of customers 93](#_Toc256000162)

[5.2.5 Obligations of Generators 95](#_Toc256000163)

[5.2.6 Obligations of AEMO 96](#_Toc256000164)

[5.2.6A AEMO review of technical requirements for connection 97](#_Toc256000165)

[5.2.7 Obligations of designated network asset owners 98](#_Toc256000166)

[5.2A Transmission network connection and access 98](#_Toc256000167)

[5.2A.1 Application 98](#_Toc256000168)

[5.2A.2 Relevant assets 98](#_Toc256000169)

[5.2A.3 Connection and access to transmission services 100](#_Toc256000170)

[5.2A.4 Transmission services related to connection 102](#_Toc256000171)

[5.2A.5 Publication and provision of information 106](#_Toc256000172)

[5.2A.6 Negotiating principles 106](#_Toc256000173)

[5.2A.7 Third party owned network assets and network operating agreements 107](#_Toc256000174)

[5.2A.8 Access framework for designated network assets 108](#_Toc256000175)

[5.3 Establishing or Modifying Connection 111](#_Toc256000176)

[5.3.1 Process and procedures 111](#_Toc256000177)

[5.3.1A Application of rule to connection of embedded generating units 112](#_Toc256000178)

[5.3.2 Connection enquiry 112](#_Toc256000179)

[5.3.3 Response to connection enquiry 114](#_Toc256000180)

[5.3.4 Application for connection 118](#_Toc256000181)

[5.3.4A Negotiated access standards 119](#_Toc256000182)

[5.3.4B System strength remediation for new connections 123](#_Toc256000183)

[5.3.5 Preparation of offer to connect 126](#_Toc256000184)

[5.3.6 Offer to connect 127](#_Toc256000185)

[5.3.7 Finalisation of connection agreements and network operating agreements 130](#_Toc256000186)

[5.3.8 Provision and use of information 132](#_Toc256000187)

[5.3.9 Procedure to be followed by a Generator proposing to alter a generating system 134](#_Toc256000188)

[5.3.10 Acceptance of performance standards for generating plant that is altered 136](#_Toc256000189)

[5.3.11 Notification of request to change normal voltage 136](#_Toc256000190)

[5.3A Establishing or modifying connection - embedded generation 137](#_Toc256000191)

[5.3A.A1 Definitions 137](#_Toc256000192)

[5.3A.1 Application of rule 5.3A 137](#_Toc256000193)

[5.3A.2 Miscellaneous 138](#_Toc256000194)

[5.3A.3 Publication of Information 138](#_Toc256000195)

[5.3A.4 Fees 140](#_Toc256000196)

[5.3A.5 Enquiry 141](#_Toc256000197)

[5.3A.6 Response to Enquiry 142](#_Toc256000198)

[5.3A.7 Preliminary Response to Enquiry 142](#_Toc256000199)

[5.3A.8 Detailed Response to Enquiry 143](#_Toc256000200)

[5.3A.9 Application for connection 144](#_Toc256000201)

[5.3A.10 Preparation of offer to connect 145](#_Toc256000202)

[5.3A.11 Technical Dispute 146](#_Toc256000203)

[5.3A.12 Network support payments and functions 146](#_Toc256000204)

[5.3AA Access arrangements relating to Distribution Networks 147](#_Toc256000205)

[5.3B Application for connection to declared shared network 150](#_Toc256000206)

[5.4 Independent Engineer 151](#_Toc256000207)

[5.4.1 Application 151](#_Toc256000208)

[5.4.2 Establishment of a pool 151](#_Toc256000209)

[5.4.3 Initiating the Independent Engineer process 152](#_Toc256000210)

[5.4.4 Referral to the Adviser 152](#_Toc256000211)

[5.4.5 Proceedings and decisions of the Independent Engineer 153](#_Toc256000212)

[5.4.6 Costs of the Independent Engineer 154](#_Toc256000213)

[5.4A [Deleted] 154](#_Toc256000214)

[5.4AA [Deleted] 154](#_Toc256000215)

[5.5 Commercial arbitration for prescribed and negotiated transmission services and DNA services 154](#_Toc256000216)

[5.5.1 Application 154](#_Toc256000217)

[5.5.2 Notification of dispute 155](#_Toc256000218)

[5.5.3 Appointment of commercial arbitrator 155](#_Toc256000219)

[5.5.4 Procedures of commercial arbitrator 156](#_Toc256000220)

[5.5.5 Powers of commercial arbitrator in determining disputes 156](#_Toc256000221)

[5.5.6 Determination of disputes 157](#_Toc256000222)

[5.5.7 Costs of dispute 158](#_Toc256000223)

[5.5.8 Enforcement of agreement or determination and requirement for reasons 159](#_Toc256000224)

[5.5.9 Miscellaneous 159](#_Toc256000225)

[5.5A  [Deleted] 159](#_Toc256000226)

[Part C Post-Connection Agreement matters 159](#_Toc256000227)

[5.6 Design of Connected Equipment 159](#_Toc256000228)

[5.6.1 Application 159](#_Toc256000229)

[5.6.2 Advice of inconsistencies 160](#_Toc256000230)

[5.6.3 Additional information 160](#_Toc256000231)

[5.6.4 Advice on possible non-compliance 160](#_Toc256000232)

[5.6A  [Deleted] 161](#_Toc256000233)

[5.7 Inspection and Testing 161](#_Toc256000234)

[5.7.1 Right of entry and inspection 161](#_Toc256000235)

[5.7.2 Right of testing 163](#_Toc256000236)

[5.7.3 Tests to demonstrate compliance with connection requirements for generators 164](#_Toc256000237)

[5.7.3A Tests to demonstrate compliance with system strength remediation schemes 166](#_Toc256000238)

[5.7.4 Routine testing of protection equipment 167](#_Toc256000239)

[5.7.5 Testing by Registered Participants of their own plant requiring changes to normal operation 169](#_Toc256000240)

[5.7.6 Tests of generating units requiring changes to normal operation 171](#_Toc256000241)

[5.7.7 Inter-network power system tests 172](#_Toc256000242)

[5.7.8 Functional specifications compliance 178](#_Toc256000243)

[5.8 Commissioning 178](#_Toc256000244)

[5.8.1 Requirement to inspect and test equipment 178](#_Toc256000245)

[5.8.2 Co-ordination during commissioning 179](#_Toc256000246)

[5.8.3 Control and protection settings for equipment 179](#_Toc256000247)

[5.8.4 Commissioning program 180](#_Toc256000248)

[5.8.5 Commissioning tests 181](#_Toc256000249)

[5.9 Disconnection and Reconnection 181](#_Toc256000250)

[5.9.1 Voluntary disconnection 181](#_Toc256000251)

[5.9.2 Decommissioning procedures 182](#_Toc256000252)

[5.9.3 Involuntary disconnection 182](#_Toc256000253)

[5.9.4 Direction to disconnect 183](#_Toc256000254)

[5.9.4A Notification of disconnection 184](#_Toc256000255)

[5.9.5 Disconnection during an emergency 184](#_Toc256000256)

[5.9.6 Obligation to reconnect 184](#_Toc256000257)

[Part D Network Planning and Expansion 185](#_Toc256000258)

[5.10 Network development generally 185](#_Toc256000259)

[5.10.1 Content of Part D 185](#_Toc256000260)

[5.10.2 Definitions 186](#_Toc256000261)

[5.10.3 Interpretation 191](#_Toc256000262)

[5.11 Forecasts of connection to transmission network and identification of system limitations 191](#_Toc256000263)

[5.11.1 Forecasts for connection to transmission network 191](#_Toc256000264)

[5.11.2 Identification of network limitations 192](#_Toc256000265)

[5.12 Transmission annual planning process 193](#_Toc256000266)

[5.12.1 Transmission annual planning review 193](#_Toc256000267)

[5.12.2 Transmission Annual Planning Report 194](#_Toc256000268)

[5.13 Distribution annual planning process 198](#_Toc256000269)

[5.13.1 Distribution annual planning review 198](#_Toc256000270)

[5.13.2 Distribution Annual Planning Report 200](#_Toc256000271)

[5.13.3 Distribution system limitation template 200](#_Toc256000272)

[5.13A Distribution zone substation information 202](#_Toc256000273)

[5.14 Joint planning 204](#_Toc256000274)

[5.14.1 Joint planning obligations of Transmission Network Service Providers and Distribution Network Service Providers 204](#_Toc256000275)

[5.14.2 Joint planning obligations of Distribution Network Service Providers and Distribution Network Service Providers 206](#_Toc256000276)

[5.14.3 Joint planning obligations of Transmission Network Service Providers 206](#_Toc256000277)

[5.14.4 Joint ISP planning by Transmission Network Service Providers and AEMO 206](#_Toc256000278)

[5.14A Joint planning in relation to retirement or de-ratings of network assets forming part of the Declared Shared Network 207](#_Toc256000279)

[5.14B TAPR Guidelines 207](#_Toc256000280)

[5.14B.1 Development of TAPR Guidelines 207](#_Toc256000281)

[5.15 Regulatory investment tests generally 208](#_Toc256000282)

[5.15.1 Interested parties 208](#_Toc256000283)

[5.15.2 Identification of a credible option 208](#_Toc256000284)

[5.15.3 Review of costs thresholds 209](#_Toc256000285)

[5.15.4 Costs determinations 211](#_Toc256000286)

[5.15A Regulatory investment test for transmission 212](#_Toc256000287)

[5.15A.1 General principles and application 212](#_Toc256000288)

[5.15A.2 Principles for RIT-T projects which are not actionable ISP projects 212](#_Toc256000289)

[5.15A.3 Principles for actionable ISP projects 215](#_Toc256000290)

[5.16 Application of RIT-T to RIT-T projects which are not actionable ISP projects 216](#_Toc256000291)

[5.16.1 Application 216](#_Toc256000292)

[5.16.2 Regulatory investment test for transmission application guidelines 217](#_Toc256000293)

[5.16.3 Investments subject to the regulatory investment test for transmission 218](#_Toc256000294)

[5.16.4 Regulatory investment test for transmission procedures 221](#_Toc256000295)

[5.16.5 [Deleted] 227](#_Toc256000296)

[5.16.6 [Deleted] 227](#_Toc256000297)

[5.16A Application of the RIT-T to actionable ISP Projects 227](#_Toc256000298)

[5.16A.1 Application 227](#_Toc256000299)

[5.16A.2 Cost Benefit Analysis Guidelines 227](#_Toc256000300)

[5.16A.3 Actionable ISP projects subject to the RIT-T 228](#_Toc256000301)

[5.16A.4 Regulatory investment test for transmission procedures 228](#_Toc256000302)

[5.16A.5 Actionable ISP project trigger event 231](#_Toc256000303)

[5.16B Disputes in relation to application of regulatory investment test for transmission 232](#_Toc256000304)

[5.17 Regulatory investment test for distribution 234](#_Toc256000305)

[5.17.1 Principles 234](#_Toc256000306)

[5.17.2 Regulatory investment test for distribution application guidelines 236](#_Toc256000307)

[5.17.3 Projects subject to the regulatory investment test for distribution 238](#_Toc256000308)

[5.17.4 Regulatory investment test for distribution procedures 239](#_Toc256000309)

[5.17.5 Disputes in relation to application of regulatory investment test for distribution 244](#_Toc256000310)

[5.18 Construction of funded augmentations 246](#_Toc256000311)

[5.18A Generator connections 246](#_Toc256000312)

[5.18A.1 Definitions 246](#_Toc256000313)

[5.18A.2 Register of generator connections 247](#_Toc256000314)

[5.18A.3 Impact assessment of large generator connections 248](#_Toc256000315)

[5.18B Completed embedded generation projects 249](#_Toc256000316)

[5.18B.1 Definitions 249](#_Toc256000317)

[5.18B.2 Register of completed embedded generation projects 249](#_Toc256000318)

[5.19 SENE Design and Costing Study 250](#_Toc256000319)

[5.19.1 Definitions 250](#_Toc256000320)

[5.19.2 Interpretation 250](#_Toc256000321)

[5.19.3 Request for SENE Design and Costing Study 251](#_Toc256000322)

[5.19.4 Content of SENE Design and Costing Study 252](#_Toc256000323)

[5.19.5 Co-operation of other Network Service Providers 253](#_Toc256000324)

[5.19.6 Publication of SENE Design and Costing Study report 253](#_Toc256000325)

[5.19.7 Provision and use of information 253](#_Toc256000326)

[5.20 System security reports 254](#_Toc256000327)

[5.20.1 Definitions 254](#_Toc256000328)

[5.20.2 Publication of NSCAS methodology 254](#_Toc256000329)

[5.20.3 Publication of NSCAS Report 254](#_Toc256000330)

[5.20.4 Inertia requirements methodology 255](#_Toc256000331)

[5.20.5 Publication of Inertia Report 255](#_Toc256000332)

[5.20.6 Publication of system strength requirements methodologies 256](#_Toc256000333)

[5.20.7 Publication of System Strength Report 257](#_Toc256000334)

[5.20A Frequency management planning 257](#_Toc256000335)

[5.20A.1 Power system frequency risk review 257](#_Toc256000336)

[5.20A.2 Power system frequency risk review process 258](#_Toc256000337)

[5.20A.3 Power system frequency risk review report 258](#_Toc256000338)

[5.20A.4 Request for protected event declaration 259](#_Toc256000339)

[5.20A.5 Request to revoke a protected event declaration 260](#_Toc256000340)

[5.20B Inertia sub-networks and requirements 260](#_Toc256000341)

[5.20B.1 Boundaries of inertia sub-networks 260](#_Toc256000342)

[5.20B.2 Inertia requirements 261](#_Toc256000343)

[5.20B.3 Inertia shortfalls 261](#_Toc256000344)

[5.20B.4 Inertia Service Provider to make available inertia services 262](#_Toc256000345)

[5.20B.5 Inertia support activities 264](#_Toc256000346)

[5.20B.6 Inertia network services information and approvals 266](#_Toc256000347)

[5.20C System strength requirements 267](#_Toc256000348)

[5.20C.1 System strength requirements 267](#_Toc256000349)

[5.20C.2 Fault level shortfalls 268](#_Toc256000350)

[5.20C.3 System Strength Service Provider to make available system strength services 269](#_Toc256000351)

[5.20C.4 System strength services information and approvals 270](#_Toc256000352)

[5.21 AEMO's obligation to publish information and guidelines and provide advice 272](#_Toc256000353)

[5.22 Integrated System Plan 274](#_Toc256000354)

[5.22.1 Duty of AEMO to make Integrated System Plan 274](#_Toc256000355)

[5.22.2 Purpose of the ISP 274](#_Toc256000356)

[5.22.3 Power system needs 274](#_Toc256000357)

[5.22.4 ISP timetable 275](#_Toc256000358)

[5.22.5 Guidelines relevant to the ISP 275](#_Toc256000359)

[5.22.6 Content of Integrated System Plan 277](#_Toc256000360)

[5.22.7 ISP consumer panel 278](#_Toc256000361)

[5.22.8 Preliminary consultations 279](#_Toc256000362)

[5.22.9 AER transparency review on Inputs, Assumptions and Scenarios Report 280](#_Toc256000363)

[5.22.10 Preparation of ISP 280](#_Toc256000364)

[5.22.11 Draft Integrated System Plan 283](#_Toc256000365)

[5.22.12 Non-network options 283](#_Toc256000366)

[5.22.13 AER transparency review of draft Integrated System Plan 284](#_Toc256000367)

[5.22.14 Final Integrated System Plan 284](#_Toc256000368)

[5.22.15 ISP updates 285](#_Toc256000369)

[5.22.16 ISP database 286](#_Toc256000370)

[5.22.17 Jurisdictional planning bodies and jurisdictional planning representatives 287](#_Toc256000371)

[5.22.18 NTP Functions 287](#_Toc256000372)

[5.23 Disputes in relation to an ISP 287](#_Toc256000373)

[5.23.1 Disputing party 287](#_Toc256000374)

[5.23.2 Initial AER review 288](#_Toc256000375)

[5.23.3 Provision of further information 288](#_Toc256000376)

[5.23.4 AER determination 289](#_Toc256000377)

[5.24 REZ design reports and joint REZ planning 290](#_Toc256000378)

[5.24.1 REZ design reports 290](#_Toc256000379)

[5.24.2 Joint REZ planning by jurisdictional planning bodies and AEMO 292](#_Toc256000380)

[Schedule 5.1a System standards 292](#_Toc256000381)

[S5.1a.1 Purpose 292](#_Toc256000382)

[S5.1a.2 Frequency 293](#_Toc256000383)

[S5.1a.3 System stability 293](#_Toc256000384)

[S5.1a.4 Power frequency voltage 293](#_Toc256000385)

[S5.1a.5 Voltage fluctuations 294](#_Toc256000386)

[S5.1a.6 Voltage waveform distortion 295](#_Toc256000387)

[S5.1a.7 Voltage unbalance 295](#_Toc256000388)

[S5.1a.8 Fault clearance times 296](#_Toc256000389)

[Schedule 5.1 Network Performance Requirements to be Provided or Co-ordinated by Network Service Providers 297](#_Toc256000390)

[S5.1.1 Introduction 297](#_Toc256000391)

[S5.1.2 Network reliability 298](#_Toc256000392)

[S5.1.2.1 Credible contingency events 298](#_Toc256000393)

[S5.1.2.2 Network service within a region 299](#_Toc256000394)

[S5.1.2.3 Network service between regions 300](#_Toc256000395)

[S5.1.3 Frequency variations 301](#_Toc256000396)

[S5.1.4 Magnitude of power frequency voltage 301](#_Toc256000397)

[S5.1.5 Voltage fluctuations 302](#_Toc256000398)

[S5.1.6 Voltage harmonic or voltage notching distortion 303](#_Toc256000399)

[S5.1.7 Voltage unbalance 304](#_Toc256000400)

[S5.1.8 Stability 305](#_Toc256000401)

[S5.1.9 Protection systems and fault clearance times 306](#_Toc256000402)

[S5.1.10 Load, generation and network control facilities 309](#_Toc256000403)

[S5.1.10.1 General 309](#_Toc256000404)

[S5.1.10.1a Emergency frequency control schemes 309](#_Toc256000405)

[S5.1.10.2 Distribution Network Service Providers 311](#_Toc256000406)

[S5.1.10.3 Transmission Network Service Providers 311](#_Toc256000407)

[S5.1.11 Automatic reclosure of transmission or distribution lines 311](#_Toc256000408)

[S5.1.12 Rating of transmission lines and equipment 311](#_Toc256000409)

[S5.1.13 Information to be provided 312](#_Toc256000410)

[Schedule 5.2 Conditions for Connection of Generators 312](#_Toc256000411)

[S5.2.1 Outline of requirements 312](#_Toc256000412)

[S5.2.2 Application of Settings 313](#_Toc256000413)

[S5.2.3 Technical matters to be coordinated 314](#_Toc256000414)

[S5.2.4 Provision of information 315](#_Toc256000415)

[S5.2.5 Technical requirements 318](#_Toc256000416)

[S5.2.5.1 Reactive power capability 318](#_Toc256000417)

[S5.2.5.2 Quality of electricity generated 319](#_Toc256000418)

[S5.2.5.3 Generating system response to frequency disturbances 320](#_Toc256000419)

[S5.2.5.4 Generating system response to voltage disturbances 323](#_Toc256000420)

[S5.2.5.5 Generating system response to disturbances following contingency events 324](#_Toc256000421)

[S5.2.5.6 Quality of electricity generated and continuous uninterrupted operation 332](#_Toc256000422)

[S5.2.5.7 Partial load rejection 332](#_Toc256000423)

[S5.2.5.8 Protection of generating systems from power system disturbances 333](#_Toc256000424)

[S5.2.5.9 Protection systems that impact on power system security 334](#_Toc256000425)

[S5.2.5.10 Protection to trip plant for unstable operation 336](#_Toc256000426)

[S5.2.5.11 Frequency control 337](#_Toc256000427)

[S5.2.5.12 Impact on network capability 340](#_Toc256000428)

[S5.2.5.13 Voltage and reactive power control 341](#_Toc256000429)

[S5.2.5.14 Active power control 347](#_Toc256000430)

[S5.2.6 Monitoring and control requirements 349](#_Toc256000431)

[S5.2.6.1 Remote Monitoring 349](#_Toc256000432)

[S5.2.6.2 Communications equipment 352](#_Toc256000433)

[S5.2.7 Power station auxiliary supplies 353](#_Toc256000434)

[S5.2.8 Fault current 353](#_Toc256000435)

[Schedule 5.3 Conditions for Connection of Customers 354](#_Toc256000436)

[S5.3.1a Introduction to the schedule 354](#_Toc256000437)

[S5.3.1 Information 355](#_Toc256000438)

[S5.3.2 Design standards 357](#_Toc256000439)

[S5.3.3 Protection systems and settings 357](#_Toc256000440)

[S5.3.4 Settings of protection and control systems 358](#_Toc256000441)

[S5.3.5 Power factor requirements 359](#_Toc256000442)

[S5.3.6 Balancing of load currents 360](#_Toc256000443)

[S5.3.7 Voltage fluctuations 361](#_Toc256000444)

[S5.3.8 Harmonics and voltage notching 361](#_Toc256000445)

[S5.3.9 Design requirements for Network Users' substations 361](#_Toc256000446)

[S5.3.10 Load shedding facilities 362](#_Toc256000447)

[Schedule 5.3a Conditions for connection of Market Network Services 362](#_Toc256000448)

[S5.3a.1a Introduction to the schedule 362](#_Toc256000449)

[S5.3a.1 Provision of Information 363](#_Toc256000450)

[S5.3a.2 Application of settings 365](#_Toc256000451)

[S5.3a.3 Technical matters to be co-ordinated 366](#_Toc256000452)

[S5.3a.4 Monitoring and control requirements 366](#_Toc256000453)

[S5.3a.4.1 Remote Monitoring 366](#_Toc256000454)

[S5.3a.4.2 [Deleted] 367](#_Toc256000455)

[S5.3a.4.3 Communications equipment 367](#_Toc256000456)

[S5.3a.5 Design standards 368](#_Toc256000457)

[S5.3a.6 Protection systems and settings 368](#_Toc256000458)

[S5.3a.7 [Deleted] 369](#_Toc256000459)

[S5.3a.8 Reactive power capability 369](#_Toc256000460)

[S5.3a.9 Balancing of load currents 370](#_Toc256000461)

[S5.3a.10 Voltage fluctuations 370](#_Toc256000462)

[S5.3a.11 Harmonics and voltage notching 371](#_Toc256000463)

[S5.3a.12 Design requirements for Market Network Service Providers' substations 371](#_Toc256000464)

[S5.3a.13 Market network service response to disturbances in the power system 372](#_Toc256000465)

[S5.3a.14 Protection of market network services from power system disturbances 372](#_Toc256000466)

[Schedule 5.4 Information to be Provided with Preliminary Enquiry 373](#_Toc256000467)

[Schedule 5.4A Preliminary Response 373](#_Toc256000468)

[Schedule 5.4B Detailed Response to Enquiry 376](#_Toc256000469)

[Schedule 5.5 Technical Details to Support Application for Connection and Connection Agreement 378](#_Toc256000470)

[S5.5.1 Introduction to the schedule 378](#_Toc256000471)

[S5.5.2 Categories of data 378](#_Toc256000472)

[S5.5.3 Review, change and supply of data 379](#_Toc256000473)

[S5.5.4 Data Requirements 379](#_Toc256000474)

[S5.5.5 Asynchronous generating unit data 380](#_Toc256000475)

[S5.5.6 Generating units smaller than 30MW data 380](#_Toc256000476)

[S5.5.7 Power System Design Data Sheet, Power System Setting Data Sheet and Power System Model Guidelines 380](#_Toc256000477)

[Schedule 5.5.1 [Deleted] 383](#_Toc256000478)

[Schedule 5.5.2 [Deleted] 383](#_Toc256000479)

[Schedule 5.5.3 Network and plant technical data of equipment at or near connection point 383](#_Toc256000480)

[Schedule 5.5.4 Network Plant and Apparatus Setting Data 386](#_Toc256000481)

[Schedule 5.5.5 Load Characteristics at Connection Point 388](#_Toc256000482)

[Schedule 5.6 Terms and Conditions of Connection agreements and network operating agreements 389](#_Toc256000483)

[Part A Connection agreements 389](#_Toc256000484)

[Part B Network Operating Agreements 391](#_Toc256000485)

[Schedule 5.7 Annual Forecast Information for Planning Purposes 391](#_Toc256000486)

[Schedule 5.8 Distribution Annual Planning Report 394](#_Toc256000487)

[Schedule 5.9 Demand side engagement document (clause 5.13.1(h)) 401](#_Toc256000488)

[Schedule 5.10 Information requirements for Primary Transmission Network Service Providers (clause 5.2A.5) 402](#_Toc256000489)

[Schedule 5.11 Negotiating principles for negotiated transmission services (clause 5.2A.6) 405](#_Toc256000490)

[Schedule 5.12 Negotiating principles for DNA services 407](#_Toc256000491)

[5A. Electricity connection for retail customers 411](#_Toc256000492)

[Part A Preliminary 411](#_Toc256000493)

[5A.A.1 Definitions 411](#_Toc256000494)

[5A.A.2 Application of this Chapter 414](#_Toc256000495)

[5A.A.3 Market Small Generation Aggregator deemed to be agent of its MSGA customers 414](#_Toc256000496)

[Part B Standardised offers to provide basic and standard connection services 415](#_Toc256000497)

[Division 1 Basic connection services 415](#_Toc256000498)

[5A.B.1 Obligation to have model standing offer to provide basic connection services 415](#_Toc256000499)

[5A.B.2 Proposed model standing offer for basic connection services 415](#_Toc256000500)

[5A.B.3 Approval of terms and conditions of model standing offer to provide basic connection services 416](#_Toc256000501)

[Division 2 Standard connection services 417](#_Toc256000502)

[5A.B.4 Standard connection services 417](#_Toc256000503)

[5A.B.5 Approval of model standing offer to provide standard connection services 418](#_Toc256000504)

[Division 3 Miscellaneous 419](#_Toc256000505)

[5A.B.6 Amendment etc of model standing offer 419](#_Toc256000506)

[5A.B.7 Publication of model standing offers 420](#_Toc256000507)

[Part C Negotiated connection 420](#_Toc256000508)

[5A.C.1 Negotiation of connection 420](#_Toc256000509)

[5A.C.2 Process of negotiation 420](#_Toc256000510)

[5A.C.3 Negotiation framework 421](#_Toc256000511)

[5A.C.4 Fee to cover cost of negotiation 423](#_Toc256000512)

[Part D Application for connection service 423](#_Toc256000513)

[Division 1 Information 423](#_Toc256000514)

[5A.D.1 Publication of information 423](#_Toc256000515)

[5A.D.1A Register of completed embedded generation projects 423](#_Toc256000516)

[Division 2 Preliminary enquiry 425](#_Toc256000517)

[5A.D.2 Preliminary enquiry 425](#_Toc256000518)

[Division 3 Applications 426](#_Toc256000519)

[5A.D.3 Application process 426](#_Toc256000520)

[5A.D.4 Site inspection 427](#_Toc256000521)

[Part E Connection charges 427](#_Toc256000522)

[5A.E.1 Connection charge principles 427](#_Toc256000523)

[5A.E.2 Itemised statement of connection charges 428](#_Toc256000524)

[5A.E.3 Connection charge guidelines 429](#_Toc256000525)

[5A.E.4 Payment of connection charges 431](#_Toc256000526)

[Part F Formation and integration of connection contracts 432](#_Toc256000527)

[Division 1 Offer and acceptance – basic and standard connection services 432](#_Toc256000528)

[5A.F.1 Distribution Network Service Provider's response to application 432](#_Toc256000529)

[5A.F.2 Acceptance of connection offer 432](#_Toc256000530)

[5A.F.3 Offer and acceptance—application for expedited connection 432](#_Toc256000531)

[Division 2 Offer and acceptance – negotiated connection 433](#_Toc256000532)

[5A.F.4 Negotiated connection offer 433](#_Toc256000533)

[Division 3 Formation of contract 434](#_Toc256000534)

[5A.F.5 Acceptance of connection offer 434](#_Toc256000535)

[Division 4 Contractual performance 434](#_Toc256000536)

[5A.F.6 Carrying out connection work 434](#_Toc256000537)

[5A.F.7 Energisation where new connection 434](#_Toc256000538)

[Part G Dispute resolution between Distribution Network Service Providers and customers 435](#_Toc256000539)

[5A.G.1 Relevant disputes 435](#_Toc256000540)

[5A.G.2 Determination of dispute 435](#_Toc256000541)

[5A.G.3 Termination of proceedings 435](#_Toc256000542)

[Schedule 5A.1 Minimum content requirements for connection contract 436](#_Toc256000543)

[Part A Connection offer not involving embedded generation 436](#_Toc256000544)

[Part B Connection offer involving embedded generation 437](#_Toc256000545)

[6. Economic Regulation of Distribution Services 441](#_Toc256000546)

[Part A Introduction 441](#_Toc256000547)

[6.0 Operation of Chapter 6 in this jurisdiction 441](#_Toc256000548)

[6.0A Interpretation 441](#_Toc256000549)

[6.1 Introduction to Chapter 6 442](#_Toc256000550)

[6.1.1 AER's regulatory responsibility 442](#_Toc256000551)

[6.1.1A [Deleted] 442](#_Toc256000552)

[6.1.2 Structure of this Chapter 442](#_Toc256000553)

[6.1.3 Access to direct control services and negotiated distribution services 443](#_Toc256000554)

[6.1.4 [Deleted] 443](#_Toc256000555)

[Part B Classification of Distribution Services and Distribution Determinations 444](#_Toc256000556)

[6.2 Classification 444](#_Toc256000557)

[6.2.1 Classification of distribution services 444](#_Toc256000558)

[6.2.2 Classification of direct control services as standard control services or alternative control services 444](#_Toc256000559)

[6.2.3 Term for which classification operates 445](#_Toc256000560)

[6.2.3A Distribution Service Classification Guidelines 445](#_Toc256000561)

[6.2.4 Duty of AER to make distribution determinations 446](#_Toc256000562)

[6.2.5 Control mechanisms for direct control services 446](#_Toc256000563)

[6.2.6 Basis of control mechanisms for direct control services 448](#_Toc256000564)

[6.2.7 Negotiated distribution services 448](#_Toc256000565)

[6.2.8 Guidelines 448](#_Toc256000566)

[Part C Building Block Determinations for standard control services 449](#_Toc256000567)

[6.3 Building block determinations 449](#_Toc256000568)

[6.3.1 Introduction 449](#_Toc256000569)

[6.3.2 Contents of building block determination 449](#_Toc256000570)

[6.4 Post-tax revenue model 450](#_Toc256000571)

[6.4.1 Preparation, publication and amendment of post-tax revenue model 450](#_Toc256000572)

[6.4.2 Contents of post-tax revenue model 450](#_Toc256000573)

[6.4.3 Building block approach 450](#_Toc256000574)

[6.4.4 Shared assets 452](#_Toc256000575)

[6.4.5 Expenditure Forecast Assessment Guidelines 454](#_Toc256000576)

[6.4A Capital expenditure incentive mechanisms 454](#_Toc256000577)

[6.4B Asset exemptions 455](#_Toc256000578)

[6.4B.1 Asset exemption decisions and Asset Exemption Guidelines 455](#_Toc256000579)

[6.4B.2 Exemption applications 456](#_Toc256000580)

[6.5 Matters relevant to the making of building block determinations 457](#_Toc256000581)

[6.5.1 Regulatory asset base 457](#_Toc256000582)

[6.5.2 Return on capital 458](#_Toc256000583)

[6.5.3 Estimated cost of corporate income tax 458](#_Toc256000584)

[6.5.4 [Deleted] 458](#_Toc256000585)

[6.5.5 Depreciation 458](#_Toc256000586)

[6.5.6 Forecast operating expenditure 459](#_Toc256000587)

[6.5.7 Forecast capital expenditure 461](#_Toc256000588)

[6.5.8 Efficiency benefit sharing scheme 466](#_Toc256000589)

[6.5.8A Capital expenditure sharing scheme 467](#_Toc256000590)

[6.5.9 The X factor 468](#_Toc256000591)

[6.5.10 Pass through events 469](#_Toc256000592)

[6.6 Adjustments after making of building block determination. 469](#_Toc256000593)

[6.6.1 Cost pass through 469](#_Toc256000594)

[6.6.1AA Cost pass through – deemed determinations 476](#_Toc256000595)

[6.6.1AB Cost pass through – NT events 477](#_Toc256000596)

[6.6.1A Reporting on jurisdictional schemes 482](#_Toc256000597)

[6.6.2 Service target performance incentive scheme 483](#_Toc256000598)

[6.6.3 Demand management incentive scheme 484](#_Toc256000599)

[6.6.3A Demand management innovation allowance mechanism 485](#_Toc256000600)

[6.6.4 Small-scale incentive scheme 486](#_Toc256000601)

[6.6.5 Reopening of distribution determination for capital expenditure 488](#_Toc256000602)

[6.6A Contingent Projects 491](#_Toc256000603)

[6.6A.1 Acceptance of a contingent project in a distribution determination 491](#_Toc256000604)

[6.6A.2 Amendment of distribution determination for contingent project 492](#_Toc256000605)

[Part D Negotiated distribution services 497](#_Toc256000606)

[6.7 Negotiated distribution services 497](#_Toc256000607)

[6.7.1 Principles relating to access to negotiated distribution services 497](#_Toc256000608)

[6.7.2 Determination of terms and conditions of access for negotiated distribution services 499](#_Toc256000609)

[6.7.3 Negotiating framework determination 500](#_Toc256000610)

[6.7.4 Negotiated Distribution Service Criteria determination 500](#_Toc256000611)

[6.7.5 Preparation of and requirements for negotiating framework for negotiated distribution services 500](#_Toc256000612)

[6.7.6 Confidential information 502](#_Toc256000613)

[Part DA Connection policies 502](#_Toc256000614)

[6.7A Connection policy requirements 502](#_Toc256000615)

[6.7A.1 Preparation of, and requirements for, connection policy 503](#_Toc256000616)

[Part E Regulatory proposal and proposed tariff structure statement 503](#_Toc256000617)

[6.8 Regulatory proposal and proposed tariff structure statement 503](#_Toc256000618)

[6.8.1 AER's framework and approach paper 503](#_Toc256000619)

[6.8.1A Notification of approach to forecasting expenditure 506](#_Toc256000620)

[6.8.2 Submission of regulatory proposal, tariff structure statement and exemption application 506](#_Toc256000621)

[6.9 Preliminary examination and consultation 509](#_Toc256000622)

[6.9.1 Preliminary examination 509](#_Toc256000623)

[6.9.2 Resubmission of proposal 509](#_Toc256000624)

[6.9.2A Confidential information 509](#_Toc256000625)

[6.9.3 Consultation 510](#_Toc256000626)

[6.10 Draft distribution determination and further consultation 511](#_Toc256000627)

[6.10.1 Making of draft distribution determination 511](#_Toc256000628)

[6.10.2 Publication of draft determination and consultation 511](#_Toc256000629)

[6.10.3 Submission of revised proposal 512](#_Toc256000630)

[6.10.4 Submissions on specified matters 513](#_Toc256000631)

[6.11 Distribution determination 513](#_Toc256000632)

[6.11.1 Making of distribution determination 513](#_Toc256000633)

[6.11.1A Out of scope revised regulatory proposal or late submissions 514](#_Toc256000634)

[6.11.2 Notice of distribution determination 514](#_Toc256000635)

[6.11.3 Commencement of distribution determination 515](#_Toc256000636)

[6.12 Requirements relating to draft and final distribution determinations 515](#_Toc256000637)

[6.12.1 Constituent decisions 515](#_Toc256000638)

[6.12.2 Reasons for decisions 518](#_Toc256000639)

[6.12.3 Extent of AER's discretion in making distribution determinations 519](#_Toc256000640)

[6.13 Revocation and substitution of distribution determination for wrong information or error 520](#_Toc256000641)

[6.14 Miscellaneous 521](#_Toc256000642)

[6.14A Distribution Confidentiality Guidelines 521](#_Toc256000643)

[Part F Cost Allocation 522](#_Toc256000644)

[6.15 Cost allocation 522](#_Toc256000645)

[6.15.1 Duty to comply with Cost Allocation Method 522](#_Toc256000646)

[6.15.2 Cost Allocation Principles 522](#_Toc256000647)

[6.15.3 Cost Allocation Guidelines 523](#_Toc256000648)

[6.15.4 Cost Allocation Method 524](#_Toc256000649)

[Part G Distribution consultation procedures 525](#_Toc256000650)

[6.16 Distribution consultation procedures 525](#_Toc256000651)

[Part H Ring-Fencing Arrangements for Distribution Network Service Providers 526](#_Toc256000652)

[6.17 Distribution Ring-Fencing Guidelines 526](#_Toc256000653)

[6.17.1 Compliance with Distribution Ring-Fencing Guidelines 526](#_Toc256000654)

[6.17.1B Application of Distribution Ring-Fencing Guidelines in this jurisdiction 527](#_Toc256000655)

[6.17.2 Development of Distribution Ring-Fencing Guidelines 527](#_Toc256000656)

[Part I Distribution Pricing Rules 528](#_Toc256000657)

[6.18 Distribution Pricing Rules 528](#_Toc256000658)

[6.18.1 Application of this Part 528](#_Toc256000659)

[6.18.1A Tariff structure statement 528](#_Toc256000660)

[6.18.1B Amending a tariff structure statement with the AER's approval 529](#_Toc256000661)

[6.18.1C Sub-threshold tariffs 531](#_Toc256000662)

[6.18.2 Pricing proposals 531](#_Toc256000663)

[6.18.3 Tariff classes 533](#_Toc256000664)

[6.18.4 Principles governing assignment or re-assignment of retail customers to tariff classes and assessment and review of basis of charging 533](#_Toc256000665)

[6.18.5 Pricing principles 534](#_Toc256000666)

[6.18.6 Side constraints on tariffs for standard control services 536](#_Toc256000667)

[6.18.7 Recovery of designated pricing proposal charges 537](#_Toc256000668)

[6.18.7A Recovery of jurisdictional scheme amounts 537](#_Toc256000669)

[6.18.8 Approval of pricing proposal 541](#_Toc256000670)

[6.18.9 Publication of information about tariffs and tariff classes 542](#_Toc256000671)

[6.19 Data Required for Distribution Service Pricing 542](#_Toc256000672)

[6.19.1 Forecast use of networks by Distribution Customers and Embedded Generators 542](#_Toc256000673)

[6.19.2 Confidentiality of distribution network pricing information 542](#_Toc256000674)

[Part J Billing and Settlements 543](#_Toc256000675)

[6.20 Billing and Settlements Process 543](#_Toc256000676)

[6.20.1 Billing for distribution services 543](#_Toc256000677)

[6.20.2 Minimum information to be provided in distribution network service bills 545](#_Toc256000678)

[6.20.3 Settlement between Distribution Network Service Providers 545](#_Toc256000679)

[6.20.4 Obligation to pay 545](#_Toc256000680)

[Part K Prudential requirements, capital contributions and prepayments 545](#_Toc256000681)

[6.21 Distribution Network Service Provider Prudential Requirements 545](#_Toc256000682)

[6.21.1 Prudential requirements for distribution network service 546](#_Toc256000683)

[6.21.2 Capital contributions, prepayments and financial guarantees 546](#_Toc256000684)

[6.21.3 Treatment of past prepayments and capital contributions 547](#_Toc256000685)

[Part L Dispute resolution 547](#_Toc256000686)

[6.22 Dispute Resolution 547](#_Toc256000687)

[6.22.1 Dispute Resolution by the AER 547](#_Toc256000688)

[6.22.2 Determination of dispute 547](#_Toc256000689)

[6.22.3 Termination of access dispute without access determination 549](#_Toc256000690)

[Part M Separate disclosure of transmission and distribution charges 549](#_Toc256000691)

[6.23 Separate disclosure of transmission and distribution charges 549](#_Toc256000692)

[Part N Dual Function Assets 550](#_Toc256000693)

[6.24 Dual Function Assets 550](#_Toc256000694)

[6.24.1 Application of this Part 550](#_Toc256000695)

[6.24.2 Dual Function Assets 550](#_Toc256000696)

[6.25 AER determination of applicable pricing regime for Dual Function Assets 551](#_Toc256000697)

[6.26 Division of Distribution Network Service Provider's revenue 552](#_Toc256000698)

[Part O Network service provider performance reports 553](#_Toc256000699)

[6.27 Annual Benchmarking Report 553](#_Toc256000700)

[6.27A Annual DER network service providerperformance report 553](#_Toc256000701)

[Part P Distribution Reliability Measures Guidelines 554](#_Toc256000702)

[6.28 Distribution Reliability Measures Guidelines 554](#_Toc256000703)

[Schedule 6.1 Contents of building block proposals 554](#_Toc256000704)

[S6.1.1 Information and matters relating to capital expenditure 554](#_Toc256000705)

[S6.1.2 Information and matters relating to operating expenditure 556](#_Toc256000706)

[S6.1.3 Additional information and matters 558](#_Toc256000707)

[Schedule 6.2 Regulatory Asset Base 560](#_Toc256000708)

[S6.2.1 Establishment of opening regulatory asset base for a regulatory control period 560](#_Toc256000709)

[S6.2.2 Prudency and efficiency of capital expenditure 565](#_Toc256000710)

[S6.2.2A Reduction for inefficient past capital expenditure 565](#_Toc256000711)

[S6.2.2B Depreciation 567](#_Toc256000712)

[S6.2.3 Roll forward of regulatory asset base within the same regulatory control period 568](#_Toc256000713)

[S6.2.3A Establishment of opening regulatory asset base for distribution system in this jurisdiction for 1st regulatory control period 569](#_Toc256000714)

[6A. Economic Regulation of Transmission Services 575](#_Toc256000715)

[6B. Retail Markets 579](#_Toc256000716)

[7. Metering 583](#_Toc256000717)

[7A. Metering 587](#_Toc256000718)

[Part A Introduction 587](#_Toc256000719)

[7A.1 Introduction to the Metering Chapter 587](#_Toc256000720)

[7A.1.1 Purpose and application 587](#_Toc256000721)

[7A.1.2 Contents 587](#_Toc256000722)

[7A.1.3 Definitions 587](#_Toc256000723)

[7A.1.4 Inconsistency 588](#_Toc256000724)

[Part B Roles and Responsibilities 588](#_Toc256000725)

[7A.2 Role and responsibility of financially responsible participant 588](#_Toc256000726)

[7A.3 Role and responsibility of Metering Coordinator 589](#_Toc256000727)

[7A.3.1 Responsibility of the Metering Coordinator 589](#_Toc256000728)

[7A.3.2 Role of the Metering Coordinator 590](#_Toc256000729)

[7A.4 Qualification and requirements of Metering Providers and Metering Data Providers 592](#_Toc256000730)

[7A.4.1 Qualification and requirements of Metering Providers 592](#_Toc256000731)

[7A.4.2 Qualification and requirements of Metering Data Providers 592](#_Toc256000732)

[Part C Appointment of Metering Coordinator 593](#_Toc256000733)

[7A.5 Appointment of Metering Coordinator 593](#_Toc256000734)

[Part D Metering installation 594](#_Toc256000735)

[7A.6 Metering installation arrangement 594](#_Toc256000736)

[7A.6.1 Metering installation requirements 594](#_Toc256000737)

[7A.6.2 Metering installation components 594](#_Toc256000738)

[7A.6.3 Emergency management 597](#_Toc256000739)

[7A.6.4 Network devices 597](#_Toc256000740)

[7A.6.5 Metering point 597](#_Toc256000741)

[7A.6.6 Metering installation types and accuracy 598](#_Toc256000742)

[7A.6.7 Functionality requirements for type 1, 2, 3 and 4 metering installations 598](#_Toc256000743)

[7A.6.8 Meter churn 598](#_Toc256000744)

[7A.6.9 Metering installation malfunctions 599](#_Toc256000745)

[7A.6.10 Timeframes for meters to be installed – new connection 600](#_Toc256000746)

[7A.6.11 Timeframes for meters to be installed – where a connection service is not required 600](#_Toc256000747)

[7A.6.12 Timeframes for meters to be installed – where a connection alteration is required 601](#_Toc256000748)

[7A.6.13 Changing a metering installation 602](#_Toc256000749)

[7A.6.14 Prepayment metering 603](#_Toc256000750)

[7A.7 Maintenance, inspection, testing and auditing of metering installations 603](#_Toc256000751)

[7A.7.1 Maintenance 603](#_Toc256000752)

[7A.7.2 Responsibility for inspection and testing 604](#_Toc256000753)

[7A.7.3 Actions in event of non-compliance 605](#_Toc256000754)

[7A.7.4 Audits of information held in metering installations 606](#_Toc256000755)

[7A.7.5 Appointment of external auditor 606](#_Toc256000756)

[7A.7.6 Errors found in metering tests, inspections or audits 607](#_Toc256000757)

[7A.7.7 Retention of test records and documents 607](#_Toc256000758)

[Part E Metering data 608](#_Toc256000759)

[7A.8 Metering data services 608](#_Toc256000760)

[7A.8.1 Metering data services 608](#_Toc256000761)

[7A.8.2 Collection of energy data and estimation of metering data 609](#_Toc256000762)

[7A.8.3 Data management and storage 610](#_Toc256000763)

[7A.8.4 Provision of metering data to certain persons 611](#_Toc256000764)

[7A.8.5 Use of check metering data 612](#_Toc256000765)

[7A.8.6 Periodic energy metering 612](#_Toc256000766)

[7A.8.7 Verification of metering data Metering installations other than type 7 metering installations 613](#_Toc256000767)

[7A.8.8 Time settings 614](#_Toc256000768)

[7A.8.9 Metering data performance standards 614](#_Toc256000769)

[7A.9 Metering data and data base 616](#_Toc256000770)

[7A.9.1 Metering database 616](#_Toc256000771)

[7A.9.2 Data validation, substitution and estimation 617](#_Toc256000772)

[7A.9.3 Changes to energy data or to metering data 617](#_Toc256000773)

[7A.10 Register of metering information 618](#_Toc256000774)

[7A.10.1 Metering register 618](#_Toc256000775)

[7A.10.2 Metering installation registration process 618](#_Toc256000776)

[7A.10.3 Metering register discrepancy 618](#_Toc256000777)

[7A.11 Disclosure of information 619](#_Toc256000778)

[7A.11.1 Provision of data to retailers 619](#_Toc256000779)

[7A.12 Metering data provision to *retail customers* 620](#_Toc256000780)

[Part F Security of metering installations and energy data 620](#_Toc256000781)

[7A.13 Security of metering installations, energy data and metering data 620](#_Toc256000782)

[7A.13.1 Confidentiality of data 620](#_Toc256000783)

[7A.13.2 Security of metering installations 620](#_Toc256000784)

[7A.13.3 Security controls for energy data 621](#_Toc256000785)

[7A.13.4 Additional security controls for type 4 metering installations 622](#_Toc256000786)

[7A.13.5 Access to data 623](#_Toc256000787)

[Schedule 7A.1 Metering register 624](#_Toc256000788)

[S7A.1.1 General 624](#_Toc256000789)

[S7A.1.2 Metering register information 625](#_Toc256000790)

[S7A.1.3 Communication guideline 625](#_Toc256000791)

[Schedule 7A.2 Metering provider 625](#_Toc256000792)

[Schedule 7A.3 Metering data provider 625](#_Toc256000793)

[Schedule 7A.4 Types and accuracy of metering installations 625](#_Toc256000794)

[S7A.4.1 General requirements 625](#_Toc256000795)

[S7A.4.2 Accuracy requirements for metering installations 626](#_Toc256000796)

[S7A.4.3 Check metering 630](#_Toc256000797)

[S7A.4.4 Resolution and accuracy of displayed or captured data 631](#_Toc256000798)

[S7A.4.5 General design standards 632](#_Toc256000799)

[S7A.4.5.1 Design requirements 632](#_Toc256000800)

[S7A.4.5.2 Design guidelines 632](#_Toc256000801)

[Schedule 7A.5 Metering functionality requirements for type 1, 2, 3 and 4 metering requirements 633](#_Toc256000802)

[S7A.5.1 Introduction 633](#_Toc256000803)

[S7A.5.1.1 Purpose 633](#_Toc256000804)

[S7A.5.1.2 Definitions 633](#_Toc256000805)

[S7A.5.2 Functionality Requirements for Meters in Type 1, 2, and 3 metering installations 633](#_Toc256000806)

[S7A.5.2.1 Application 633](#_Toc256000807)

[S7A.5.2.2 Applicable meter configurations 634](#_Toc256000808)

[S7A.5.2.3 Metrology 634](#_Toc256000809)

[S7A.5.3 Functionality Requirements for Meters in Type 4 metering installations 634](#_Toc256000810)

[S7A.5.3.1 Application 634](#_Toc256000811)

[S7A.5.3.2 Applicable meter configurations 634](#_Toc256000812)

[S7A.5.3.3 Metrology 635](#_Toc256000813)

[S7A.5.3.4 Remote and local reading of meters 635](#_Toc256000814)

[S7A.5.3.5 Supply disconnection and reconnection 636](#_Toc256000815)

[S7A.5.3.5.1 General requirements 636](#_Toc256000816)

[S7A.5.3.5.2 Disconnection 636](#_Toc256000817)

[S7A.5.3.5.3 Reconnection 636](#_Toc256000818)

[S7A.5.3.6 Time clock synchronisation 637](#_Toc256000819)

[S7A.5.3.7 Quality of Supply and other event recording 637](#_Toc256000820)

[S7A.5.3.8 Tamper detection 638](#_Toc256000821)

[S7A.5.3.9 Communications and data security 638](#_Toc256000822)

[S7A.5.3.10 Remote firmware upgrades 638](#_Toc256000823)

[S7A.5.3.11 Remote arming 638](#_Toc256000824)

[Schedule 7A.6 Inspection and testing requirements 638](#_Toc256000825)

[S7A.6.1 General 638](#_Toc256000826)

[S7A.6.2 Technical guidelines 640](#_Toc256000827)

[Schedule 7A.7 Metrology procedure 641](#_Toc256000828)

[Part A ​ 641](#_Toc256000829)

[S7A.7.1 Introduction 641](#_Toc256000830)

[S7A.7.1.1 General 641](#_Toc256000831)

[S7A.7.1.2 Definitions 641](#_Toc256000832)

[S7A.7.1.3 Relevant retailer 642](#_Toc256000833)

[Part B ​ 642](#_Toc256000834)

[S7A.7.2 Purpose and scope 642](#_Toc256000835)

[S7A.7.2.1 Purpose 642](#_Toc256000836)

[S7A.7.2.2 Scope 643](#_Toc256000837)

[S7A.7.3 Metering provision 643](#_Toc256000838)

[S7A.7.3.1 Responsibility for metering provision 643](#_Toc256000839)

[S7A.7.3.2 Metering installation components 643](#_Toc256000840)

[S7A.7.3.3 Use of optical ports and pulse outputs 644](#_Toc256000841)

[S7A.7.3.4 Load control equipment 645](#_Toc256000842)

[S7A.7.3.5 Data storage requirements for meters 645](#_Toc256000843)

[S7A.7.3.6 Metering installation clock 645](#_Toc256000844)

[S7A.7.3.7 Interval meters 645](#_Toc256000845)

[S7A.7.3.8 Alarm settings 646](#_Toc256000846)

[S7A.7.3.9 Summation metering 646](#_Toc256000847)

[S7A.7.3.10 ​ 646](#_Toc256000848)

[S7A.7.3.11 Routine testing and inspection of metering installations 646](#_Toc256000849)

[S7A.7.3.12 Requests for testing type 1 – 6 metering installations 647](#_Toc256000850)

[S7A.7.4 Installation of meters and de-commissioning 648](#_Toc256000851)

[S7A.7.4.1 General installation requirements 648](#_Toc256000852)

[S7A.7.4.2 Type 4A, 5 and 6 metering installations 648](#_Toc256000853)

[S7A.7.4.3 Preliminary de-commissioning and removal of metering equipment requirements 648](#_Toc256000854)

[S7A.7.4.4 ​ 648](#_Toc256000855)

[S7A.7.5 ​ 649](#_Toc256000856)

[S7A.7.6 Responsibility for metering data services 649](#_Toc256000857)

[S7A.7.6.1 Metering data storage 649](#_Toc256000858)

[S7A.7.6.2 Verification of metering data for type 4, 4A, 5, 6 and 7 installations 649](#_Toc256000859)

[S7A.7.6.3 Metering installation type 7 – sample testing 650](#_Toc256000860)

[S7A.7.6.4 Request for text of calculated metering data 651](#_Toc256000861)

[S7A.7.6.5 NTESMO's metering data substitution obligations 652](#_Toc256000862)

[Part C ​ 652](#_Toc256000863)

[S7A.7.7 Purpose and scope 652](#_Toc256000864)

[S7A.7.7.1 Purpose 652](#_Toc256000865)

[S7A.7.7.2 Scope 652](#_Toc256000866)

[S7A.7.8 Principles for validation, substitution and estimation 652](#_Toc256000867)

[S7A.7.8.1 General validation, substitution and estimation requirements 652](#_Toc256000868)

[S7A.7.8.2 Substitution requirements 652](#_Toc256000869)

[S7A.7.8.3 Estimation requirement 653](#_Toc256000870)

[S7A.7.8.4 Metering data quality flags 654](#_Toc256000871)

[S7A.7.8.5 Final substitution 654](#_Toc256000872)

[S7A.7.9 Substitution for acquisition of metering data from remotely read metering installations 655](#_Toc256000873)

[S7A.7.9.1 Application of S7A.7.9 655](#_Toc256000874)

[S7A.7.9.2 Substitution rules 655](#_Toc256000875)

[S7A.7.9.3 Substitution types 657](#_Toc256000876)

[S7A.7.10 Substitution and estimation for manually read interval metering installations 660](#_Toc256000877)

[S7A.7.10.1 Application of S7A7.10 660](#_Toc256000878)

[S7A.7.10.2 Substitution and estimation rules 660](#_Toc256000879)

[S7A.7.10.3 Substitution and estimation types 661](#_Toc256000880)

[S7A.7.11 Substitution and estimation for metering installations with accumulated metering data 663](#_Toc256000881)

[S7A.7.11.1 Substitution and estimation rules 663](#_Toc256000882)

[S7A.7.11.2 Substitution and estimation types 665](#_Toc256000883)

[S7A.7.12 Substitution and estimation for calculated metering data 666](#_Toc256000884)

[S7A.7.12.1 Substitution rules 666](#_Toc256000885)

[S7A.7.12.2 Substitution and estimation types 667](#_Toc256000886)

[S7A.7.13 Data validation requirements 668](#_Toc256000887)

[S7A.7.13.1 Validation requirements for all metering installations 668](#_Toc256000888)

[S7A.7.13.2 Validation of interval metering data alarms 668](#_Toc256000889)

[S7A.7.13.3 Validation within the meter reading process for manually read metering installations 669](#_Toc256000890)

[S7A.7.13.4 Validation as part of the registration process 669](#_Toc256000891)

[S7A.7.13.5 Validation of metering data 670](#_Toc256000892)

[S7A.7.14 Determination of metering data for unmetered loads 676](#_Toc256000893)

[S7A.7.14.1 Load table 676](#_Toc256000894)

[S7A.7.14.2 Controlled unmetered devices 677](#_Toc256000895)

[S7A.7.14.3 Uncontrolled unmetered devices 681](#_Toc256000896)

[Schedule 7A.8 Service level procedures 682](#_Toc256000897)

[Part A Introduction 682](#_Toc256000898)

[S7A.8.1 Introduction 682](#_Toc256000899)

[S7A.8.1.1 Purpose and scope 682](#_Toc256000900)

[S7A.8.1.2 Definitions 682](#_Toc256000901)

[Part B Metering provider services 683](#_Toc256000902)

[S7A.8.2 Introduction 683](#_Toc256000903)

[S7A.8.2.1 Purpose and exclusions 683](#_Toc256000904)

[S7A.8.2.2 Services 683](#_Toc256000905)

[S7A.8.3 General requirements 683](#_Toc256000906)

[S7A.8.3.1 Metering Provider capability and competency 683](#_Toc256000907)

[S7A.8.3.2 Use of contractors 684](#_Toc256000908)

[S7A.8.3.3 Insurance 684](#_Toc256000909)

[S7A.8.4 Device management and test equipment 685](#_Toc256000910)

[S7A.8.4.1 Procurement 685](#_Toc256000911)

[S7A.8.4.2 Storage, handling and transport 685](#_Toc256000912)

[S7A.8.4.3 Management of test equipment 685](#_Toc256000913)

[S7A.8.4.4 Management of meter programming and authorised software 686](#_Toc256000914)

[S7A.8.5 Installation and commissioning requirements 686](#_Toc256000915)

[S7A.8.5.1 General commissioning requirements 686](#_Toc256000916)

[S7A.8.5.2 Metering data validation requirements 687](#_Toc256000917)

[S7A.8.6 Metering installation maintenance 688](#_Toc256000918)

[S7A.8.6.1 Test plans 688](#_Toc256000919)

[S7A.8.6.2 Management of metering installation malfunctions 688](#_Toc256000920)

[S7A.8.6.3 Telecommunications 688](#_Toc256000921)

[S7A.8.6.4 Non-conforming test results or calibrations 689](#_Toc256000922)

[S7A.8.7 Systems and administration 689](#_Toc256000923)

[S7A.8.7.1 Register of metering installations 689](#_Toc256000924)

[S7A.8.7.2 Disaster recovery 690](#_Toc256000925)

[S7A.8.7.3 Audits undertaken by the Utilities Commission 690](#_Toc256000926)

[Part C Metering Data Provider services 690](#_Toc256000927)

[S7A.8.8 Introduction 690](#_Toc256000928)

[S7A.8.8.1 Purpose 690](#_Toc256000929)

[S7A.8.8.2 Obligations 691](#_Toc256000930)

[S7A.8.9 Service requirements 693](#_Toc256000931)

[S7A.8.9.1 System requirements 693](#_Toc256000932)

[S7A.8.9.2 Metering data services database 694](#_Toc256000933)

[S7A.8.9.3 Exception reports 694](#_Toc256000934)

[S7A.8.9.4 Collection process requirements 694](#_Toc256000935)

[S7A.8.9.5 Specific collection process requirements for remotely read metering installations 695](#_Toc256000936)

[S7A.8.9.6 Specific collection process requirements for manually read metering installations 695](#_Toc256000937)

[S7A.8.9.7 Metering data processing requirements 696](#_Toc256000938)

[S7A.8.9.8 Specific metering data processing requirements for type 1, 2, 3 and 4 metering installations 697](#_Toc256000939)

[S7A.8.9.9 Specific metering data processing requirements for type 7 metering installations 697](#_Toc256000940)

[S7A.8.9.10 Specific metering data estimation requirements for manually read and type 7 metering installations 698](#_Toc256000941)

[S7A.8.9.11 Delivery performance requirements for metering data 698](#_Toc256000942)

[S7A.8.10 Data management following the alteration of type of metering installation at a connection point 700](#_Toc256000943)

[S7A.8.10.1 Meter churn scenarios 700](#_Toc256000944)

[S7A.8.10.2 Scenario 1 701](#_Toc256000945)

[S7A.8.10.3 Scenario 2 701](#_Toc256000946)

[S7A.8.10.4 Scenario 3 701](#_Toc256000947)

[S7A.8.10.5 Scenario 4 701](#_Toc256000948)

[S7A.8.11 System architecture and administration 702](#_Toc256000949)

[S7A.8.11.1 Metering data archival and recovery 702](#_Toc256000950)

[S7A.8.11.2 Data backup 703](#_Toc256000951)

[S7A.8.11.3 Disaster recovery 703](#_Toc256000952)

[S7A.8.11.4 System administration and data management 704](#_Toc256000953)

[S7A.8.12 Quality control 704](#_Toc256000954)

[S7A.8.12.1 Audits 704](#_Toc256000955)

[S7A.8.12.2 Corrective action 705](#_Toc256000956)

[S7A.8.13.1 Administration 705](#_Toc256000957)

[S7A.8.13.2 Quality systems 706](#_Toc256000958)

[8. Administrative Functions 709](#_Toc256000959)

[Part A Introductory 709](#_Toc256000960)

[8.1 Administrative functions 709](#_Toc256000961)

[8.1.1 [Deleted] 709](#_Toc256000962)

[8.1.2 [Deleted] 709](#_Toc256000963)

[8.1.3 Structure of this Chapter 709](#_Toc256000964)

[Part B Disputes 709](#_Toc256000965)

[Part C Registered Participants' confidentiality obligations 710](#_Toc256000966)

[8.6 Confidentiality 710](#_Toc256000967)

[8.6.1 Confidentiality 710](#_Toc256000968)

[8.6.1A Application 711](#_Toc256000969)

[8.6.2 Exceptions 711](#_Toc256000970)

[8.6.3 Conditions 712](#_Toc256000971)

[8.6.4 [Deleted] 713](#_Toc256000972)

[8.6.5 Indemnity to AER, AEMC and AEMO 713](#_Toc256000973)

[8.6.6 AEMO information 713](#_Toc256000974)

[8.6.7 Information on Rules Bodies 713](#_Toc256000975)

[Part D Monitoring and reporting 713](#_Toc256000976)

[8.7 Monitoring and Reporting 713](#_Toc256000977)

[8.7.1 Monitoring 713](#_Toc256000978)

[8.7.2 Reporting requirements and monitoring standards for Registered Participants 714](#_Toc256000979)

[8.7.3 Consultation required for making general regulatory information order (Section 28H of the NEL) 716](#_Toc256000980)

[8.7.4 Preparation of network service provider performance report (Section 28V of the NEL) 717](#_Toc256000981)

[8.7.5 [Deleted] 717](#_Toc256000982)

[8.7.6 Recovery of reporting costs 717](#_Toc256000983)

[Part E Reliability panel 718](#_Toc256000984)

[8.8 Reliability Panel 718](#_Toc256000985)

[8.8.1 Purpose of Reliability Panel 718](#_Toc256000986)

[8.8.2 Constitution of the Reliability Panel 719](#_Toc256000987)

[8.8.3 Reliability Panel review process 721](#_Toc256000988)

[8.8.4 Determination of protected events 724](#_Toc256000989)

[Part F Rules consultation procedures 725](#_Toc256000990)

[8.9 Rules Consultation Procedures 725](#_Toc256000991)

[Part G Consumer advocacy funding 727](#_Toc256000992)

[8.10 Consumer advocacy funding obligation 728](#_Toc256000993)

[Part H Augmentations 728](#_Toc256000994)

[8.11 Augmentations 728](#_Toc256000995)

[8.11.1 Application 728](#_Toc256000996)

[8.11.2 Object 728](#_Toc256000997)

[8.11.3 Definitions 729](#_Toc256000998)

[8.11.4 Planning criteria 729](#_Toc256000999)

[8.11.5 Construction of augmentation that is not a contestable augmentation 730](#_Toc256001000)

[8.11.6 Contestable augmentations 730](#_Toc256001001)

[8.11.7 Construction and operation of contestable augmentation 731](#_Toc256001002)

[8.11.8 Funded augmentations that are not subject to the tender process 732](#_Toc256001003)

[8.11.9 Contractual requirements and principles 733](#_Toc256001004)

[8.11.10 Annual planning review 733](#_Toc256001005)

[Schedule 8.11 Principles to be reflected in agreements relating to contestable augmentations 734](#_Toc256001006)

[S8.11.1 Risk allocation 734](#_Toc256001007)

[S8.11.2 Minimum requirements for agreements relating to contestable augmentation 735](#_Toc256001008)

[S8.11.3 Matters to be dealt with in relevant agreements 735](#_Toc256001009)

[Part I Values of customer reliability 736](#_Toc256001010)

[8.12 Development of methodology and publication of values of customer reliability 736](#_Toc256001011)

[8A. Participant Derogations 741](#_Toc256001012)

[Part 1 Derogations Granted to TransGrid 741](#_Toc256001013)

[8A.1 [Deleted] 741](#_Toc256001014)

[Part 2 Derogations Granted to EnergyAustralia 741](#_Toc256001015)

[8A.2 [Deleted] 741](#_Toc256001016)

[8A.2A [Deleted] 741](#_Toc256001017)

[Part 3 [Deleted] 741](#_Toc256001018)

[Part 4 [Deleted] 741](#_Toc256001019)

[Part 5 [Deleted] 741](#_Toc256001020)

[Part 6 Derogations Granted to Victorian Market Participants 741](#_Toc256001021)

[Part 7 [Deleted] 742](#_Toc256001022)

[Part 8 [Deleted] 742](#_Toc256001023)

[Part 9 [Deleted] 742](#_Toc256001024)

[Part 10 [Deleted] 742](#_Toc256001025)

[Part 11 [Deleted] 742](#_Toc256001026)

[Part 12 [Deleted] 742](#_Toc256001027)

[Part 13 Derogation granted to Aurora Energy (Tamar Valley) Pty Ltd 742](#_Toc256001028)

[8A.13 [Deleted] 742](#_Toc256001029)

[Part 14 Derogations granted to Ausgrid, Endeavour Energy and Essential Energy 742](#_Toc256001030)

[8A.14 Derogations from Chapter 6 for the current regulatory control period and subsequent regulatory control period 742](#_Toc256001031)

[8A.14.1 Definitions 742](#_Toc256001032)

[8A.14.2 Expiry date 746](#_Toc256001033)

[8A.14.3 Application of Rule 8A.14 746](#_Toc256001034)

[8A.14.4 Recovery of revenue across the current regulatory control period and subsequent regulatory control period 747](#_Toc256001035)

[8A.14.5 Recovery of revenue in subsequent regulatory control period only and no reopening of subsequent distribution determination required 748](#_Toc256001036)

[8A.14.6 Recovery of revenue in subsequent regulatory control period only and reopening of distribution determination is required 749](#_Toc256001037)

[8A.14.7 Requirements for adjustment determination 750](#_Toc256001038)

[8A.14.8 Application of Chapter 6 under participant derogation 751](#_Toc256001039)

[Part 15 Derogations granted to ActewAGL 752](#_Toc256001040)

[8A.15 Derogations from Chapter 6 for the current regulatory control period and subsequent regulatory control period 752](#_Toc256001041)

[8A.15.1 Definitions 752](#_Toc256001042)

[8A.15.2 Expiry date 756](#_Toc256001043)

[8A.15.3 Application of Rule 8A.15 756](#_Toc256001044)

[8A.15.4 Recovery of revenue across the current regulatory control period and subsequent regulatory control period 756](#_Toc256001045)

[8A.15.5 Recovery of revenue in subsequent regulatory control period only and no reopening of subsequent distribution determination required 758](#_Toc256001046)

[8A.15.6 Recovery of revenue in subsequent regulatory control period only and reopening of distribution determination is required 759](#_Toc256001047)

[8A.15.7 Requirements for adjustment determination 761](#_Toc256001048)

[8A.15.8 Application of Chapter 6 under participant derogation 761](#_Toc256001049)

[9. Jurisdictional Derogations and Transitional Arrangements 767](#_Toc256001050)

[9.1 Purpose and Application 767](#_Toc256001051)

[9.1.1 Purpose 767](#_Toc256001052)

[9.1.2 Jurisdictional Derogations 767](#_Toc256001053)

[Part A Jurisdictional Derogations for Victoria 767](#_Toc256001054)

[9.2 [Deleted] 767](#_Toc256001055)

[9.3 Definitions 767](#_Toc256001056)

[9.3.1 General Definitions 767](#_Toc256001057)

[9.3.2 [Deleted] 768](#_Toc256001058)

[9.3A Fault levels 768](#_Toc256001059)

[9.4 Transitional Arrangements for Chapter 2 - Registered Participants, Registration and Cross Border Networks 769](#_Toc256001060)

[9.4.1 [Deleted] 769](#_Toc256001061)

[9.4.2 Smelter Trader 769](#_Toc256001062)

[9.4.3 Smelter Trader: compliance 770](#_Toc256001063)

[9.4.4 Report from AER 772](#_Toc256001064)

[9.4.5 Cross Border Networks 772](#_Toc256001065)

[9.5 Transitional Arrangements for Chapter 3 – Reliability and Emergency Reserve Trader 773](#_Toc256001066)

[9.5.1 Definition 773](#_Toc256001067)

[9.5.2 Expiry date 773](#_Toc256001068)

[9.5.3 Multi-year Victorian contracts – term and volume 773](#_Toc256001069)

[9.5.4 Multi-year Victorian contracts - reporting 774](#_Toc256001070)

[9.6 Transitional Arrangements for Chapter 4 - System Security 775](#_Toc256001071)

[9.6.1 Operating Procedures (clause 4.10.1) 775](#_Toc256001072)

[9.6.2 Nomenclature Standards (clause 4.12) 775](#_Toc256001073)

[9.7 Transitional Arrangements for Chapter 5 - Network Connection 775](#_Toc256001074)

[9.7.1 [Deleted] 775](#_Toc256001075)

[9.7.2 [Deleted] 775](#_Toc256001076)

[9.7.3 [Deleted] 775](#_Toc256001077)

[9.7.4 Regulation of Distribution Network Connection 775](#_Toc256001078)

[9.7.5 [Deleted] 776](#_Toc256001079)

[9.7.6 [Deleted] 776](#_Toc256001080)

[9.7.7 [Deleted] 776](#_Toc256001081)

[9.8 Transitional Arrangements for Chapter 6 - Network Pricing 776](#_Toc256001082)

[9.8.1 [Deleted] 776](#_Toc256001083)

[9.8.2 [Deleted] 776](#_Toc256001084)

[9.8.3 [Deleted] 776](#_Toc256001085)

[9.8.4 Transmission Network Pricing 776](#_Toc256001086)

[9.8.4A [Deleted] 778](#_Toc256001087)

[9.8.4B [Deleted] 778](#_Toc256001088)

[9.8.4C [Deleted] 778](#_Toc256001089)

[9.8.4D [Deleted] 778](#_Toc256001090)

[9.8.4E [Deleted] 778](#_Toc256001091)

[9.8.4F [Deleted] 778](#_Toc256001092)

[9.8.4G [Deleted] 778](#_Toc256001093)

[9.8.5 [Deleted] 778](#_Toc256001094)

[9.8.6 [Deleted] 778](#_Toc256001095)

[9.8.7 Distribution network pricing – transitional application of former Chapter 6 778](#_Toc256001096)

[9.8.8 Exclusion of AER's power to aggregate distribution systems and parts of distribution systems 779](#_Toc256001097)

[9.9 Transitional Arrangements for Chapter 7 - Metering 779](#_Toc256001098)

[9.9.1 Metering Installations To Which This Schedule Applies 779](#_Toc256001099)

[9.9.2 [Deleted] 780](#_Toc256001100)

[9.9.3 [Deleted] 780](#_Toc256001101)

[9.9.4 [Deleted] 780](#_Toc256001102)

[9.9.5 [Deleted] 780](#_Toc256001103)

[9.9.6 [Deleted] 780](#_Toc256001104)

[9.9.7 [Deleted] 780](#_Toc256001105)

[9.9.8 [Deleted] 780](#_Toc256001106)

[9.9.9 Periodic Energy Metering (clause 7.9.3) 780](#_Toc256001107)

[9.9.10 Use of Alternate Technologies (clause 7.13) 780](#_Toc256001108)

[9.9A [Deleted] 781](#_Toc256001109)

[9.9B [Deleted] 781](#_Toc256001110)

[9.9C [Deleted] 781](#_Toc256001111)

[1. Interpretation of tables 781](#_Toc256001112)

[2. Continuing effect 781](#_Toc256001113)

[3. Subsequent agreement 782](#_Toc256001114)

[4. [Deleted] 782](#_Toc256001115)

[5. Reactive Power Capability (clause S5.2.5.1 of schedule 5.2) 782](#_Toc256001116)

[6. [Deleted] 783](#_Toc256001117)

[7. [Deleted] 783](#_Toc256001118)

[8. [Deleted] 783](#_Toc256001119)

[9. [Deleted] 783](#_Toc256001120)

[10. [Deleted] 783](#_Toc256001121)

[11. [Deleted 783](#_Toc256001122)

[12. [Deleted] 783](#_Toc256001123)

[13. Governor Systems (load control) (clause S5.2.5.11 of schedule 5.2) 783](#_Toc256001124)

[14. [Deleted] 783](#_Toc256001125)

[15. [Deleted] 783](#_Toc256001126)

[16. Excitation Control System (clause S5.2.5.13 of schedule 5.2) 783](#_Toc256001127)

[Part B Jurisdictional Derogations for New South Wales 784](#_Toc256001128)

[9.10 [Deleted] 784](#_Toc256001129)

[9.11 Definitions 784](#_Toc256001130)

[9.11.1 Definitions used in this Part B 784](#_Toc256001131)

[9.12 Transitional Arrangements for Chapter 2 - Generators, Registered Participants, Registration and Cross Border Networks 785](#_Toc256001132)

[9.12.1 [Deleted] 785](#_Toc256001133)

[9.12.2 Customers 785](#_Toc256001134)

[9.12.3 Power Traders 785](#_Toc256001135)

[9.12.4 Cross Border Networks 788](#_Toc256001136)

[9.13 [Deleted] 789](#_Toc256001137)

[9.14 Transitional Arrangements for Chapter 4 - System Security 789](#_Toc256001138)

[9.14.1 Power System Operating Procedures 789](#_Toc256001139)

[9.15 NSW contestable services for Chapter 5A 789](#_Toc256001140)

[9.15.1 Definitions 789](#_Toc256001141)

[9.15.2 Chapter 5A not to apply to certain contestable services 789](#_Toc256001142)

[9.16 Transitional Arrangements for Chapter 6 - Network Pricing 789](#_Toc256001143)

[9.16.1 NSW contestable services 789](#_Toc256001144)

[9.16.2 [Deleted] 789](#_Toc256001145)

[9.16.3 Jurisdictional Regulator 789](#_Toc256001146)

[9.16.4 Deemed Regulated Interconnector 790](#_Toc256001147)

[9.16.5 [Deleted] 790](#_Toc256001148)

[9.17 Transitional Arrangements for Chapter 7 - Metering 790](#_Toc256001149)

[9.17.1 Extent of Derogations 790](#_Toc256001150)

[9.17.2 Initial Registration (clause 7.1.2) 790](#_Toc256001151)

[9.17.3 Amendments to Schedule 9G1 790](#_Toc256001152)

[9.17.4 Compliance with AS/NZ ISO 9002 (clause S7.4.3(f) of schedule 7.4) 791](#_Toc256001153)

[9.17A [Deleted] 791](#_Toc256001154)

[9.18 [Deleted] 791](#_Toc256001155)

[Part C Jurisdictional Derogations for the Australian Capital Territory 791](#_Toc256001156)

[9.19 [Deleted] 791](#_Toc256001157)

[9.20 Definitions and Transitional Arrangements for Cross-Border Networks 791](#_Toc256001158)

[9.20.1 Definitions 791](#_Toc256001159)

[9.20.2 Cross Border Networks 791](#_Toc256001160)

[9.21 [Deleted] 792](#_Toc256001161)

[9.22 [Deleted] 792](#_Toc256001162)

[9.23 Transitional Arrangements for Chapter 6 - Network Pricing 792](#_Toc256001163)

[9.23.1 [Deleted] 792](#_Toc256001164)

[9.23.2 [Deleted] 792](#_Toc256001165)

[9.23.3 [Deleted 792](#_Toc256001166)

[9.23.4 [Deleted] 792](#_Toc256001167)

[9.24 Transitional Arrangements 792](#_Toc256001168)

[9.24.1 Chapter 7 - Metering 792](#_Toc256001169)

[9.24.2 [Deleted] 792](#_Toc256001170)

[9.24A [Deleted] 792](#_Toc256001171)

[Part D Jurisdictional Derogations for South Australia 792](#_Toc256001172)

[9.25 Definitions 792](#_Toc256001173)

[9.25.1 [Deleted] 792](#_Toc256001174)

[9.25.2 Definitions 792](#_Toc256001175)

[9.26 Transitional Arrangements for Chapter 2 - Registered Participants, Registration And Cross Border Networks 795](#_Toc256001176)

[9.26.1 Registration as a Generator 795](#_Toc256001177)

[9.26.2 Registration as a Customer 796](#_Toc256001178)

[9.26.3 Cross Border Networks 796](#_Toc256001179)

[9.26.4 [Deleted] 796](#_Toc256001180)

[9.26.5 Registration as a Network Service Provider 796](#_Toc256001181)

[9.27 [Deleted] 797](#_Toc256001182)

[9.28 Transitional Arrangements for Chapter 5 - Network Connection 797](#_Toc256001183)

[9.28.1 Application of clause 5.2 797](#_Toc256001184)

[9.28.2 [Deleted] 798](#_Toc256001185)

[9.29 Transitional Arrangements for Chapter 6 - Economic Regulation of Distribution Services 798](#_Toc256001186)

[9.29.1 [Deleted] 798](#_Toc256001187)

[9.29.2 [Deleted] 798](#_Toc256001188)

[9.29.3 [Deleted] 798](#_Toc256001189)

[9.29.4 [Deleted] 798](#_Toc256001190)

[9.29.5 Distribution Network Pricing – South Australia 798](#_Toc256001191)

[9.29.6 Capital contributions, prepayments and financial guarantees 799](#_Toc256001192)

[9.29.7 Ring fencing 799](#_Toc256001193)

[9.29A Monitoring and reporting 799](#_Toc256001194)

[9.30 Transitional Provisions 800](#_Toc256001195)

[9.30.1 Chapter 7 - Metering 800](#_Toc256001196)

[Part E Jurisdictional Derogations for Queensland 800](#_Toc256001197)

[9.31 [Deleted] 800](#_Toc256001198)

[9.32 Definitions and Interpretation 800](#_Toc256001199)

[9.32.1 Definitions 800](#_Toc256001200)

[9.32.2 Interpretation 803](#_Toc256001201)

[9.33 Transitional Arrangements for Chapter 1 803](#_Toc256001202)

[9.33.1 [Deleted] 803](#_Toc256001203)

[9.34 Transitional Arrangements for Chapter 2 - Registered Participants and Registration 803](#_Toc256001204)

[9.34.1 Application of the Rules in Queensland (clauses 2.2 and 2.5) 803](#_Toc256001205)

[9.34.2 Stanwell Cross Border Leases (clause 2.2) 803](#_Toc256001206)

[9.34.3 [Deleted] 803](#_Toc256001207)

[9.34.4 Registration as a Customer (clause 2.3.1) 803](#_Toc256001208)

[9.34.5 There is no clause 9.34.5 804](#_Toc256001209)

[9.34.6 Exempted generation agreements (clause 2.2) 804](#_Toc256001210)

[9.35 [Deleted] 808](#_Toc256001211)

[9.36 [Deleted] 808](#_Toc256001212)

[9.37 Transitional Arrangements for Chapter 5 - Network Connection 808](#_Toc256001213)

[9.37.1 [Deleted] 808](#_Toc256001214)

[9.37.2 Existing connection and access agreements (clause 5.2) 808](#_Toc256001215)

[9.37.3 [Deleted] 809](#_Toc256001216)

[9.37.4 [Deleted] 809](#_Toc256001217)

[9.37.5 Forecasts for connection points to transmission network (clause 5.11.1) 809](#_Toc256001218)

[9.37.6 There is no clause 9.37.6 809](#_Toc256001219)

[9.37.7 Cross Border Networks 809](#_Toc256001220)

[9.37.8 [Deleted] 810](#_Toc256001221)

[9.37.9 Credible contingency events (clause S5.1.2.1 of schedule 5.1) 810](#_Toc256001222)

[9.37.10 Reactive power capability (clause S5.2.5.1 of schedule 5.2) 810](#_Toc256001223)

[9.37.11 [Deleted] 811](#_Toc256001224)

[9.37.12 Voltage fluctuations (clause S5.1.5 of schedule 5.1) 811](#_Toc256001225)

[9.37.13 [Deleted] 813](#_Toc256001226)

[9.37.14 [Deleted] 813](#_Toc256001227)

[9.37.15 [Deleted] 813](#_Toc256001228)

[9.37.16 [Deleted] 813](#_Toc256001229)

[9.37.17 [Deleted] 813](#_Toc256001230)

[9.37.18 [Deleted] 813](#_Toc256001231)

[9.37.19 Generating unit response to disturbances (clause S5.2.5.3 of schedule 5.2) 813](#_Toc256001232)

[9.37.20 [Deleted] 813](#_Toc256001233)

[9.37.21 Excitation control system (clause S.5.2.5.13 of schedule 5.2) 813](#_Toc256001234)

[9.37.22 [Deleted] 814](#_Toc256001235)

[9.37.23 Annual forecast information for planning purposes (schedule 5.7) 814](#_Toc256001236)

[9.38 Transitional Arrangements for Chapter 6 - Network Pricing 814](#_Toc256001237)

[9.38.1 [Deleted] 814](#_Toc256001238)

[9.38.2 [Deleted] 814](#_Toc256001239)

[9.38.3 [Deleted] 814](#_Toc256001240)

[9.38.4 Interconnectors between regions 814](#_Toc256001241)

[9.38.5 Transmission pricing for exempted generation agreements 814](#_Toc256001242)

[9.39 Transitional Arrangements for Chapter 7 - Metering 815](#_Toc256001243)

[9.39.1 Metering installations to which this clause applies 815](#_Toc256001244)

[9.39.2 [Deleted] 816](#_Toc256001245)

[9.39.3 [Deleted] 816](#_Toc256001246)

[9.39.4 [Deleted] 816](#_Toc256001247)

[9.39.5 [Deleted] 816](#_Toc256001248)

[9.40 Transitional Arrangements for Chapter 8 - Administration Functions 816](#_Toc256001249)

[9.40.1 [Deleted] 816](#_Toc256001250)

[9.40.2 [Deleted] 816](#_Toc256001251)

[9.40.3 [Deleted] 816](#_Toc256001252)

[9.41 [Deleted] 816](#_Toc256001253)

[Part F Jurisdictional Derogations for Tasmania 817](#_Toc256001254)

[9.42 Definitions and interpretation 817](#_Toc256001255)

[9.42.1 Definitions 817](#_Toc256001256)

[9.42.2 Interpretation 818](#_Toc256001257)

[9.42.3 National grid, power system and related expressions 818](#_Toc256001258)

[9.43 [Deleted] 819](#_Toc256001259)

[9.44 Transitional arrangements for Chapter 2 – Registered Participants and Registration - Customers (clause 2.3.1(e)) 819](#_Toc256001260)

[9.45 Tasmanian Region (clause 3.5) 819](#_Toc256001261)

[9.47 Transitional arrangements for Chapter 5- Network Connection 819](#_Toc256001262)

[9.47.1 Existing Connection Agreements 819](#_Toc256001263)

[9.48 Transitional arrangements - Transmission and Distribution Pricing 819](#_Toc256001264)

[9.48.4A Ring fencing 819](#_Toc256001265)

[9.48.4B Uniformity of tariffs for small customers 820](#_Toc256001266)

[9.48.5 Transmission network 820](#_Toc256001267)

[9.48.6 Deemed regulated interconnector 820](#_Toc256001268)

[Part G Schedules to Chapter 9 820](#_Toc256001269)

[1. Introduction 820](#_Toc256001270)

[2. [Deleted] 820](#_Toc256001271)

[3. General Principle 820](#_Toc256001272)

[4. [Deleted] 821](#_Toc256001273)

[5. Accuracy Requirements 821](#_Toc256001274)

[6. [Deleted] 821](#_Toc256001275)

[7. [Deleted] 821](#_Toc256001276)

[8. [Deleted] 821](#_Toc256001277)

[9. [Deleted] 821](#_Toc256001278)

[10. [Deleted] 821](#_Toc256001279)

[10. Glossary 825](#_Toc256001280)

[11. Savings and Transitional Rules 953](#_Toc256001281)

[Part ZZJ Demand management incentive scheme 953](#_Toc256001282)

[11.82 Rules consequential on making of the National Electricity Amendment (Demand management incentive scheme) Rule 2015 953](#_Toc256001283)

[11.82.1 Definitions 953](#_Toc256001284)

[11.82.2 AER to develop and publish the demand management incentive scheme and demand management innovation allowance mechanism 953](#_Toc256001285)

[Part ZZM Common definitions of distribution reliability measures 953](#_Toc256001286)

[11.85 Rules consequential on the making of the National Electricity Amendment (Common definitions of distribution reliability measures) Rule 2015 953](#_Toc256001287)

[11.85.1 Definitions 953](#_Toc256001288)

[11.85.2 Distribution reliability measures guidelines 954](#_Toc256001289)

[11.85.3 Amended STPIS 954](#_Toc256001290)

[11.86.8 Distribution Ring Fencing Guidelines 954](#_Toc256001291)

[Part ZZU Rate of Return Guidelines Review 954](#_Toc256001292)

[11.93 Rules consequential on the making of the National Electricity Amendment (Rate of Return Guidelines Review) Rule 2016 954](#_Toc256001293)

[11.93.1 Definitions 954](#_Toc256001294)

[11.93.2 Application of current rate of return guidelines to making of a distribution determination for the subsequent regulatory control period 955](#_Toc256001295)

[Part ZZV Demand Response Mechanism and Ancillary Services Unbundling 956](#_Toc256001296)

[11.94 Rules consequential on the making of the National Electricity Amendment (Demand Response Management and Ancillary Services Unbundling) rule 2016 956](#_Toc256001297)

[11.94.1 Definitions 956](#_Toc256001298)

[11.94.2 Participant fees for Market Ancillary Service Providers 956](#_Toc256001299)

[Part ZZW Local Generation Network Credits 956](#_Toc256001300)

[11.95 Rules consequential on the making of the National Electricity Amendment (Local Generation Network Credits) Rule 2016 956](#_Toc256001301)

[11.95.1 Definitions 956](#_Toc256001302)

[11.95.2 System limitation template 956](#_Toc256001303)

[Part ZZY Emergency Frequency Control Schemes 957](#_Toc256001304)

[11.97 Rules consequent on the making of the National Electricity Amendment (Emergency frequency control schemes) Rule 2017 957](#_Toc256001305)

[11.97.1 Definitions 957](#_Toc256001306)

[11.97.2 Interim frequency operating standards for protected events 957](#_Toc256001307)

[11.97.3 First power system frequency risk review 958](#_Toc256001308)

[11.97.4 AEMO must review existing load shedding procedures 958](#_Toc256001309)

[11.97.5 Load shedding procedures 958](#_Toc256001310)

[Part ZZZ Transmission Connection and Planning Arrangements 959](#_Toc256001311)

[11.98 Rules consequential on the making of the National Electricity Amendment (Transmission Connection and Planning Arrangements) Rule 2017 959](#_Toc256001312)

[11.98.1 Definitions 959](#_Toc256001313)

[11.98.2 Grandfathering of existing dedicated connection assets 960](#_Toc256001314)

[11.98.3 Preparatory steps for registration changes under the Amending Rule 960](#_Toc256001315)

[11.98.4 Participant fees for Dedicated Connection Asset Service Providers 961](#_Toc256001316)

[11.98.5 Existing Connection Agreements 961](#_Toc256001317)

[11.98.6 Connection process 961](#_Toc256001318)

[11.98.7 Transmission Annual Planning Report 962](#_Toc256001319)

[11.98.8 Preservation for adoptive jurisdictions 962](#_Toc256001320)

[Part ZZZA Replacement expenditure planning arrangements 962](#_Toc256001321)

[11.99 Rules consequential on the making of the National Electricity Amendment (Replacement expenditure planning arrangements) Rule 2017 962](#_Toc256001322)

[11.99.1 Definitions 962](#_Toc256001323)

[11.99.3 Transitional arrangements for affected DNSPs 963](#_Toc256001324)

[11.99.4 Amendments to RIT documentation 964](#_Toc256001325)

[11.99.5 Transitional arrangements relating to excluded projects 964](#_Toc256001326)

[11.99.6 Transitional arrangements relating to Victorian bushfire mitigation projects 964](#_Toc256001327)

[11.99.7 Transitional arrangements relating to review of costs thresholds 965](#_Toc256001328)

[Part ZZZB Managing the rate of change of power system frequency 965](#_Toc256001329)

[11.100 Rules consequential on the making of the National Electricity Amendment (Managing the rate of change of power system frequency) Rule 2017 965](#_Toc256001330)

[11.100.1 Definitions 965](#_Toc256001331)

[11.100.2 Inertia sub-networks 966](#_Toc256001332)

[11.100.3 Inertia requirements methodology 966](#_Toc256001333)

[11.100.4 Inertia requirements 966](#_Toc256001334)

[11.100.5 NSCAS not to be used to meet an inertia shortfall after 1 July 2019 967](#_Toc256001335)

[11.100.6 Inertia network services may be used to meet an NSCAS gap declared in the NSCAS transition period 967](#_Toc256001336)

[11.100.7 Inertia network services made available before the commencement date 968](#_Toc256001337)

[Part ZZZC Managing power system fault levels 968](#_Toc256001338)

[11.101 Rules consequential on the making of the National Electricity Amendment (Managing power system fault levels) Rule 2017 968](#_Toc256001339)

[11.101.1 Definitions 968](#_Toc256001340)

[11.101.2 System strength impact assessment guidelines 970](#_Toc256001341)

[11.101.3 System strength requirements methodology 970](#_Toc256001342)

[11.101.4 System strength requirements 970](#_Toc256001343)

[11.101.5 NSCAS not to be used to meet a fault level shortfall after 1 July 2019 971](#_Toc256001344)

[11.101.6 System strength services may be used to meet an NSCAS gap declared in the NSCAS transition period 971](#_Toc256001345)

[11.101.7 Withdrawal of a system strength-related NSCAS gap already declared 972](#_Toc256001346)

[11.101.8 System strength services made available before the commencement date 972](#_Toc256001347)

[Part ZZZD Generating System Model Guidelines 972](#_Toc256001348)

[11.102 Making of Power System Model Guidelines 972](#_Toc256001349)

[Part ZZZE Five Minute Settlement 973](#_Toc256001350)

[11.103 Rules consequential on the making of the National Electricity Amendment (Five Minute Settlement) Rule 2017 and the National Electricity Amendment (Delayed implementation of five minute and global settlement) Rule 2020 973](#_Toc256001351)

[11.103.1 Definitions 973](#_Toc256001352)

[11.103.2 Amendments to procedures 973](#_Toc256001353)

[11.103.3. Exemption for certain metering installations 974](#_Toc256001354)

[11.103.4 New or replacement meters 975](#_Toc256001355)

[11.103.5 Metering installations exempt from metering data provision requirements 975](#_Toc256001356)

[11.103.6 Exemption from meter data storage requirements 975](#_Toc256001357)

[11.103.7 Default offers and bids submitted prior to the commencement date 975](#_Toc256001358)

[Part ZZZF Contestability of energy services 975](#_Toc256001359)

[11.104 Rules consequential on the making of the National Electricity Amendment (Contestability of energy services) Rule 2017 975](#_Toc256001360)

[11.104.1 Definitions 975](#_Toc256001361)

[11.104.2 New guidelines 977](#_Toc256001362)

[11.104.3 Transitional arrangements for application of Distribution Service Classification Guidelines and service classification provisions 977](#_Toc256001363)

[11.104.4 Transitional arrangements for application of Asset Exemption Guidelines, exemption applications and asset exemption decisions 977](#_Toc256001364)

[11.104.5 Transitional arrangements for adjustment in value of regulatory asset base 979](#_Toc256001365)

[Part ZZZG Declaration of lack of reserve conditions 979](#_Toc256001366)

[11.105 Making of lack of reserve declaration guidelines 979](#_Toc256001367)

[11.105.1 Definitions 979](#_Toc256001368)

[11.105.2 Making of lack of reserve declaration guidelines 979](#_Toc256001369)

[Part ZZZH Implementation of demand management incentive scheme 980](#_Toc256001370)

[11.106 Implementation of demand management incentive scheme 980](#_Toc256001371)

[11.106.1 Definitions 980](#_Toc256001372)

[11.106.2 Purpose 980](#_Toc256001373)

[11.106.3 Early application of revised demand management incentive scheme 980](#_Toc256001374)

[Part ZZZI Reinstatement of long notice Reliability and Emergency Reserve Trader 982](#_Toc256001375)

[11.107 Rules consequential on the making of the National Electricity Amendment (Reinstatement of long notice Reliability and Emergency Reserve Trader) Rule 2018 982](#_Toc256001376)

[11.107.1 Definitions 982](#_Toc256001377)

[11.107.2 New RERT guidelines 982](#_Toc256001378)

[11.107.3 Amendments to RERT procedures 985](#_Toc256001379)

[11.107.4 Reserve contracts entered into before the commencement date 986](#_Toc256001380)

[Part ZZZJ Register of distributed energy resources 986](#_Toc256001381)

[11.108 Rules consequential on the making of the National Electricity Amendment (Register of distributed energy resources) Rule 2018 986](#_Toc256001382)

[11.108.1 Definitions 986](#_Toc256001383)

[11.108.2 AEMO to develop and publish DER register information guidelines 986](#_Toc256001384)

[11.108.3 NSPs to provide AEMO with existing DER generation information 986](#_Toc256001385)

[Part ZZZK Generator technical performance standards 986](#_Toc256001386)

[11.109 Rules consequential on the making of the National Electricity Amendment (Generator technical performance standards) Rule 2018 986](#_Toc256001387)

[11.109.1 Definitions 986](#_Toc256001388)

[11.109.2 Application of the Amending Rule to existing connection enquiries 987](#_Toc256001389)

[11.109.3 Application of the Amending Rule to existing applications to connect 988](#_Toc256001390)

[11.109.4 Application of the Amending Rule to existing offers to connect 990](#_Toc256001391)

[11.109.5 Application of the Amending Rule to Existing Connection Agreements 991](#_Toc256001392)

[Part ZZZL Generator three year notice of closure 991](#_Toc256001393)

[11.110 Rules consequential on the making of the National Electricity Amendment (Generator three year notice of closure) Rule 2018 991](#_Toc256001394)

[11.110.1 Definitions 991](#_Toc256001395)

[11.110.2 AER to develop and publish notice of closure exemption guideline 991](#_Toc256001396)

[11.110.3 Application of Amending Rule to AEMO 992](#_Toc256001397)

[11.110.4 Application of Amending Rule to Generators 992](#_Toc256001398)

[Part ZZZM Participant compensation following market suspension 992](#_Toc256001399)

[11.111 Rules consequential on the making of the National Electricity Amendment (Participant compensation following market suspension) Rule 2018 992](#_Toc256001400)

[11.111.1 Definitions 992](#_Toc256001401)

[11.111.2 Market suspension compensation methodology and schedule of benchmark values 992](#_Toc256001402)

[Part ZZZN Global settlement and market reconciliation 993](#_Toc256001403)

[11.112 Rules consequential on the making of the National Electricity Amendment (Global settlement and market reconciliation) Rule 2018 and the National Electricity Amendment (Delayed implementation of five minute and global settlement) Rule 2020 993](#_Toc256001404)

[11.112.1 Definitions 993](#_Toc256001405)

[11.112.2 Amendments to AEMO procedures 993](#_Toc256001406)

[11.112.3 AEMO to publish report on unaccounted for energy trends 994](#_Toc256001407)

[11.112.4 Continuation of registration for non-market generators 994](#_Toc256001408)

[11.112.5 Publication of UFE data by AEMO 994](#_Toc256001409)

[11.112.6 Publication of UFE reporting guidelines 994](#_Toc256001410)

[Part ZZZO Metering installation timeframes 994](#_Toc256001411)

[11.113 Rules consequential on making of the National Electricity Amendment (Metering installation timeframes) Rule 2018 994](#_Toc256001412)

[11.113.1 Definitions 994](#_Toc256001413)

[11.113.2 Timeframes for meters to be installed 995](#_Toc256001414)

[Part ZZZP Early implementation of ISP priority projects 995](#_Toc256001415)

[11.114 National Electricity Amendment (Early implementation of ISP priority projects) Rule 2019 995](#_Toc256001416)

[11.114.1 Definitions 995](#_Toc256001417)

[11.114.2 Modifications to clause 5.16.6 for ISP VNI and QNI projects 996](#_Toc256001418)

[11.114.3 Modifications to clause 6A.8.2 for ISP projects 997](#_Toc256001419)

[Part ZZZQ Enhancement to the Reliability and Emergency Reserve Trader 999](#_Toc256001420)

[11.115 Rules consequential on the making of the National Electricity Amendment (Enhancement to the reliability and emergency reserve trader) Rule 2019 999](#_Toc256001421)

[11.115.1 Definitions 999](#_Toc256001422)

[11.115.2 New RERT guidelines 1000](#_Toc256001423)

[11.115.3 Amendments to RERT procedures 1000](#_Toc256001424)

[11.115.4 Reserve contracts entered into before the commencement date 1000](#_Toc256001425)

[11.115.5 Clause 3.20.6 (Reporting on RERT by AEMO) 1000](#_Toc256001426)

[Part ZZZR Retailer Reliability Obligation 1001](#_Toc256001427)

[11.116 Rules consequential on the making of the National Electricity Amendment (Retailer Reliability Obligation) Rule 2019 1001](#_Toc256001428)

[11.116.1 Application 1001](#_Toc256001429)

[11.116.2 Reliability Instrument Guidelines 1001](#_Toc256001430)

[11.116.3 Forecasting Best Practice Guidelines 1001](#_Toc256001431)

[11.116.4 Reliability Forecast Guidelines 1002](#_Toc256001432)

[11.116.5 AER Opt-in Guidelines 1002](#_Toc256001433)

[11.116.6 Contracts and Firmness Guidelines 1002](#_Toc256001434)

[11.116.7 Qualifying contracts under interim Contracts and Firmness Guidelines 1003](#_Toc256001435)

[11.116.8 Grandfathering arrangements 1003](#_Toc256001436)

[11.116.9 Reliability Compliance Procedures and Guidelines 1004](#_Toc256001437)

[11.116.10 MLO Guidelines 1004](#_Toc256001438)

[11.116.11 Application of Part G, Divisions 2 – 6 (inclusive) 1004](#_Toc256001439)

[11.116.12 Interim deeming of MLO generators and MLO groups 1005](#_Toc256001440)

[11.116.13 MLO information template 1012](#_Toc256001441)

[11.116.14 Initial MLO register 1012](#_Toc256001442)

[11.116.15 Approved MLO products list 1012](#_Toc256001443)

[11.116.16 Designated MLO exchange 1013](#_Toc256001444)

[11.116.17 Five minute settlement intervals 1013](#_Toc256001445)

[11.116.18 Review by AEMC 1013](#_Toc256001446)

[Part ZZZS Transparency of new projects 1013](#_Toc256001447)

[11.117 Rules consequential on the making of the National Electricity Amendment (Transparency of new projects) Rule 2019 1013](#_Toc256001448)

[11.117.1 Definitions 1013](#_Toc256001449)

[11.117.2 Generation information page 1014](#_Toc256001450)

[11.117.3 Generation information guidelines 1014](#_Toc256001451)

[11.117.4 Provision and use of information 1014](#_Toc256001452)

[Part ZZZT Demand management incentive scheme and innovation allowance for TNSPs 1015](#_Toc256001453)

[11.118 Rules consequential on the making of the National Electricity Amendment (Demand management incentive scheme and innovation allowance for TNSPs) Rule 2019 1015](#_Toc256001454)

[11.118.1 Definitions 1015](#_Toc256001455)

[11.118.2 AER to develop and publish the demand management innovation allowance mechanism 1015](#_Toc256001456)

[Part ZZZU Application of the regional reference node test to the Reliability and Emergency Reserve Trader 1015](#_Toc256001457)

[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 1015](#_Toc256001458)

[11.119.1 Definitions 1015](#_Toc256001459)

[11.119.2 AEMO intervention event in effect on commencement date 1015](#_Toc256001460)

[Part ZZZV Improving Transparency and Extending Duration of MT PASA 1016](#_Toc256001461)

[11.120 Rules consequential on the making of the National Electricity Amendment (Improving transparency and extending duration of MT PASA) Rule 2020 1016](#_Toc256001462)

[11.120.1 AEMO to update spot market operations timetable 1016](#_Toc256001463)

[Part ZZZW Victorian jurisdictional derogation – RERT contracting 1016](#_Toc256001464)

[11.121 Rules consequential on the making of the National Electricity Amendment (Victorian jurisdictional derogation - RERT contracting) Rule 2020 1016](#_Toc256001465)

[11.121.1 Definitions 1016](#_Toc256001466)

[11.121.2 Procedures 1016](#_Toc256001467)

[Part ZZZX Mandatory primary frequency response 1016](#_Toc256001468)

[11.122 Rules consequential on the making of the National Electricity Amendment (Mandatory primary frequency response) Rule 2020 1016](#_Toc256001469)

[11.122.1 Definitions 1016](#_Toc256001470)

[11.122.2 Interim Primary Frequency Response Requirements 1017](#_Toc256001471)

[11.122.3 Action taken prior to commencement 1017](#_Toc256001472)

[Part ZZZY System restart services, standards and testing 1018](#_Toc256001473)

[11.123 Rules consequential on the making of the National Electricity Amendment (System restart services, standards and testing) Rule 2020 1018](#_Toc256001474)

[11.123.1 Definitions 1018](#_Toc256001475)

[11.123.2 SRAS Guideline 1018](#_Toc256001476)

[11.123.3 System restart standard 1018](#_Toc256001477)

[11.123.4 Communication protocols 1018](#_Toc256001478)

[11.123.5 System restart tests 1019](#_Toc256001479)

[Part ZZZZ Introduction of metering coordinator planned interruptions 1019](#_Toc256001480)

[11.124 Rules consequential on the making of the National Electricity Amendment (Introduction of metering coordinator planned interruptions) Rule 2020 1019](#_Toc256001481)

[11.124.1 Definitions 1019](#_Toc256001482)

[11.124.2 Amendments of the metrology procedure 1019](#_Toc256001483)

[11.124.3 Market Settlement and Transfer Solutions Procedures 1020](#_Toc256001484)

[11.124.4 Requirements of the metrology procedure 1020](#_Toc256001485)

[Part ZZZZA Wholesale demand response 1020](#_Toc256001486)

[11.125 Rules consequential on the making of the National Electricity Amendment (Wholesale demand response mechanism) Rule 2020 1020](#_Toc256001487)

[11.125.1 Definitions 1020](#_Toc256001488)

[11.125.2 Wholesale demand response guidelines 1021](#_Toc256001489)

[11.125.3 Baseline methodologies 1022](#_Toc256001490)

[11.125.4 Wholesale demand response participation guidelines 1022](#_Toc256001491)

[11.125.5 Extension of time for registration and aggregation 1022](#_Toc256001492)

[11.125.6 Amendments to AEMO, AER and AEMC documents 1022](#_Toc256001493)

[11.125.7 Amendments to the demand side participation information guidelines 1023](#_Toc256001494)

[11.125.8 Amendment to RERT guidelines 1023](#_Toc256001495)

[11.125.9 Renaming of Market Ancillary Service Providers 1024](#_Toc256001496)

[11.125.10 Wholesale demand response annual reporting 1024](#_Toc256001497)

[Part ZZZZB Integrated System Planning Rules 1024](#_Toc256001498)

[11.126 Rules consequential on the making of the National Electricity Amendment (Integrated System Planning) Rule 2020 1024](#_Toc256001499)

[11.126.1 Definitions 1024](#_Toc256001500)

[11.126.2 2020 Integrated System Plan 1025](#_Toc256001501)

[11.126.3 Existing actionable ISP projects 1025](#_Toc256001502)

[11.126.4 Existing actionable ISP projects at the clause 5.16.6 stage 1025](#_Toc256001503)

[11.126.5 Existing actionable ISP projects prior to the clause 5.16.6 stage 1026](#_Toc256001504)

[11.126.6 Existing RIT-T proponent has published a PSCR but not a PADR 1026](#_Toc256001505)

[11.126.7 Cost Benefit Analysis Guidelines 1026](#_Toc256001506)

[11.126.8 Forecasting Best Practice Guidelines 1027](#_Toc256001507)

[11.126.9 Methodologies and reports 1027](#_Toc256001508)

[11.126.10 AEMC review of ISP framework 1027](#_Toc256001509)

[Part ZZZZC Deferral of network charges 1028](#_Toc256001510)

[11.127 Transitional arrangements made by the National Electricity Amendment (Deferral of network charges) Rule 2020 No. 11 1028](#_Toc256001511)

[11.127.1 Definitions 1028](#_Toc256001512)

[11.127.2 Deferral of payment of network charges 1028](#_Toc256001513)

[11.127.3 Deferral of payment of charges for prescribed transmission services 1030](#_Toc256001514)

[11.127.4 AER reporting 1030](#_Toc256001515)

[11.127.5 Application of this Part 1031](#_Toc256001516)

[Part ZZZZD Interim reliability measure 1031](#_Toc256001517)

[11.128 Rules consequential on the making of the National Electricity Amendment (Interim reliability measure) Rule 2020 1031](#_Toc256001518)

[11.128.1 Definitions 1031](#_Toc256001519)

[11.128.2 Expiry date 1032](#_Toc256001520)

[11.128.3 Application of rule 3.20 1032](#_Toc256001521)

[11.128.4 Reserve contracts for interim reliability reserves 1032](#_Toc256001522)

[11.128.5 Interim reliability reserves – reporting 1034](#_Toc256001523)

[11.128.6 AEMO exercise of RERT 1034](#_Toc256001524)

[11.128.7 RERT guidelines 1034](#_Toc256001525)

[11.128.8 RERT procedures 1035](#_Toc256001526)

[11.128.9 Reliability standard implementation guidelines 1035](#_Toc256001527)

[11.128.10 AEMO preparatory activities 1035](#_Toc256001528)

[11.128.11 Reserve contracts entered into before the commencement date 1036](#_Toc256001529)

[11.128.12 Review by the AEMC 1036](#_Toc256001530)

[Part ZZZZE Removal of intervention hierarchy 1037](#_Toc256001531)

[11.129 Rules consequential on making of the National Electricity Amendment (Removal of intervention hierarchy) Rule 2020 1037](#_Toc256001532)

[11.129.1 Definitions 1037](#_Toc256001533)

[11.129.2 Procedures 1037](#_Toc256001534)

[Part ZZZZF Reallocation of National Transmission Planner costs 1038](#_Toc256001535)

[11.130 Rule consequential on the making of the National Electricity Amendment (Reallocation of National Transmission Planner costs) Rule 2020 1038](#_Toc256001536)

[11.130.1 Allocation of NTP costs 1038](#_Toc256001537)

[Part ZZZZG Transparency of unserved energy calculation 1039](#_Toc256001538)

[11.131 Rules consequential on the making of the National Electricity Amendment (Transparency of unserved energy calculation) Rule 2020 No. 16 1039](#_Toc256001539)

[11.131.1 *AEMO* to update the *reliability standard implementation guidelines* 1039](#_Toc256001540)

[Part ZZZZH Retailer Reliability Obligation trigger 1039](#_Toc256001541)

[11.132 Rules consequential on the making of the National Electricity Amendment (Retailer Reliability Obligation trigger) Rule 2020 1039](#_Toc256001542)

[11.132.1 Definitions 1039](#_Toc256001543)

[11.132.2 Reliability standard 1039](#_Toc256001544)

[11.132.3 AEMO request for a T-3 reliability instrument 1040](#_Toc256001545)

[11.132.4 When a decision by the AER must be made 1040](#_Toc256001546)

[11.132.5 Reliability Forecast Guidelines 1040](#_Toc256001547)

[11.132.6 AEMO preparatory activities 1040](#_Toc256001548)

[11.132.7 AER preparatory activities 1040](#_Toc256001549)

[Part ZZZZI Compensation following directions for services other than energy and market ancillary services 1040](#_Toc256001550)

[11.133 Rules consequential on the making of the National Electricity Amendment (Compensation following directions for services other than energy and market ancillary services) Rule 2020 1040](#_Toc256001551)

[11.133.1 Definitions 1040](#_Toc256001552)

[11.133.2 Compensation process in effect on commencement date 1041](#_Toc256001553)

[11.133.3 Direction in effect on commencement date 1041](#_Toc256001554)

[Part ZZZZJ Prudent discounts in an adoptive jurisdiction 1041](#_Toc256001555)

[11.134 Rules consequential on the making of the National Electricity Amendment (Prudent discounts in an adoptive jurisdiction) Rule 2020 No. 19 1041](#_Toc256001556)

[11.134.1 Definitions 1041](#_Toc256001557)

[11.134.2 Prudent discount application before commencement date 1042](#_Toc256001558)

[Part ZZZZK Technical standards for Distributed Energy Resources 1042](#_Toc256001559)

[11.135 Rules consequential on the making of the National Electricity Amendment (Technical standards for Distributed Energy Resources) Rule 2021 No. 1 1042](#_Toc256001560)

[11.135.1 Definitions 1042](#_Toc256001561)

[11.135.2 Application of the Amending Rule to existing connection applications 1042](#_Toc256001562)

[11.135.3 Application of the Amending Rule to existing offers 1043](#_Toc256001563)

[11.135.4 Application of the Amending Rule to existing connection contracts 1043](#_Toc256001564)

[Part ZZZZL Semi-scheduled generator dispatch obligations 1043](#_Toc256001565)

[11.136 Rules consequential on the making of the National Electricity Amendment (Semi-scheduled generator dispatch obligations) Rule 2021 1043](#_Toc256001566)

[11.136.1 AEMO to update power system operating procedure 1043](#_Toc256001567)

[Part ZZZZM Renewable energy zone planning 1043](#_Toc256001568)

[11.137 Rule consequential on the making of the National Electricity Amendment (Renewable energy zone planning) Rule 2021 1043](#_Toc256001569)

[11.137.1 Definitions 1043](#_Toc256001570)

[11.137.2 Cost pass through for renewable energy zone planning 1044](#_Toc256001571)

[11.137.3 AEMC review of REZ planning rules 1044](#_Toc256001572)

[Part ZZZZN Implementing a general power system risk review 1044](#_Toc256001573)

[11.138 Rules consequential on the making of the National Electricity Amendment (Implementing a general power system risk review) Rule 2021 1044](#_Toc256001574)

[11.138.1 Definitions 1044](#_Toc256001575)

[11.138.2 First general power system risk review 1045](#_Toc256001576)

[11.138.3 Last power system frequency risk review 1045](#_Toc256001577)

[Part ZZZZO Connection to dedicated connection assets 1045](#_Toc256001578)

[11.139 Rules consequential on the making of the National Electricity Amendment (Connection to dedicated connection assets) Rule 2021 1045](#_Toc256001579)

[11.139.1 Definitions 1045](#_Toc256001580)

[11.139.2 Transition of existing small dedicated connection assets 1046](#_Toc256001581)

[11.139.3 Grandfathering of existing large dedicated connection assets 1046](#_Toc256001582)

[11.139.4 Conversion to a designated network asset 1047](#_Toc256001583)

[11.139.5 Grandfathering of Existing Connection Agreements 1047](#_Toc256001584)

[11.139.6 Connection process for large dedicated connection assets 1048](#_Toc256001585)

[11.139.7 Connection process for small dedicated connection assets 1048](#_Toc256001586)

[11.139.8 Connection enquiries after effective date 1049](#_Toc256001587)

[11.139.9 PTNSP obligations with respect to the connection process 1049](#_Toc256001588)

[11.139.10 Preparatory steps for guidelines and procedures under the Amending Rule 1050](#_Toc256001589)

[Part ZZZZP Fast frequency response market ancillary service 1050](#_Toc256001590)

[11.140 Rules consequential on the making of the National Electricity Amendment (Fast frequency response market ancillary service) Rule 2021 1050](#_Toc256001591)

[11.140.1 Definitions 1050](#_Toc256001592)

[11.140.2 Amendments to market ancillary service specification 1050](#_Toc256001593)

[Part ZZZZQ Access, pricing and incentive arrangements for distributed energy resources 1051](#_Toc256001594)

[11.141 Rules consequential on the making of the National Electricity Amendment (Access, pricing and incentive arrangements for distributed energy resources) Rule 2021 1051](#_Toc256001595)

[11.141.1 Definitions 1051](#_Toc256001596)

[11.141.2 Amendments to AER documents 1052](#_Toc256001597)

[11.141.3 Performance incentive schemes for services for supply from embedded generating units to the distribution network 1053](#_Toc256001598)

[11.141.4 Initial rule 6.27A network service provider performance report 1053](#_Toc256001599)

[11.141.5 Initial Export Tariff Guidelines 1053](#_Toc256001600)

[11.141.6 Annual benchmarking reports 1053](#_Toc256001601)

[11.141.7 Initial CECV methodology 1053](#_Toc256001602)

[11.141.8 Sub-threshold tariffs 1053](#_Toc256001603)

[11.141.9 Retail Market Procedures 1054](#_Toc256001604)

[11.141.10 Distribution Annual Planning Report 1054](#_Toc256001605)

[11.141.11 Tariff reassignment restriction for existing DER customers 1054](#_Toc256001606)

[11.141.12 Export tariffs subject to basic export level 1054](#_Toc256001607)

[11.141.13 Basic export levels to be specified in tariff structure statements 1055](#_Toc256001608)

[11.141.14 Basic export level guidelines 1056](#_Toc256001609)

[11.141.15 Static zero export limits 1056](#_Toc256001610)

[Part ZZZZS Efficient management of system strength on the power system 1056](#_Toc256001611)

[11.143 Rules consequential on the making of the National Electricity Amendment (Efficient management of system strength on the power system) Rule 2021 1056](#_Toc256001612)

[11.143.1 Definitions 1056](#_Toc256001613)

[11.143.2 Publication of initial documents 1060](#_Toc256001614)

[11.143.3 Declaration of system strength nodes and meeting the standard 1060](#_Toc256001615)

[11.143.4 Amendments to pricing methodology guidelines 1060](#_Toc256001616)

[11.143.5 Amendments to pricing methodologies of TNSPs 1060](#_Toc256001617)

[11.143.6 Commencement of system strength charge 1061](#_Toc256001618)

[11.143.7 Application to distribution network service provider pricing proposal 1061](#_Toc256001619)

[11.143.8 Application of the Amending Rule to existing connection enquiries 1062](#_Toc256001620)

[11.143.9 Application of the Amending Rule to existing applications to connect under Chapter 5 1063](#_Toc256001621)

[11.143.9A Application of the Amending Rule to existing applications to connect under Chapter 5A 1064](#_Toc256001622)

[11.143.10 Application of the Amending Rule to existing offers to connect 1064](#_Toc256001623)

[11.143.11 Application of the Amending Rule to Existing Connection Agreements 1065](#_Toc256001624)

[11.143.12 Annual planning reports 1065](#_Toc256001625)

[11.143.13 System strength services for existing fault level shortfalls in the system strength transition period 1066](#_Toc256001626)

[11.143.14 Fault level shortfalls determinations in the system strength transition period 1066](#_Toc256001627)

[11.143.15 System strength services for new fault level shortfalls in the system strength transition period 1067](#_Toc256001628)

[11.143.16 Investments subject to the regulatory investment test for transmission and cost pass through 1068](#_Toc256001629)

[11.143.17 Amending Rule taken to be a pass through event 1069](#_Toc256001630)

[11.143.18 System strength projects taken to be contingent projects 1069](#_Toc256001631)

[Part ZZZZT Generator registrations and connections 1070](#_Toc256001632)

[11.144 Rules consequential on the making of the National Electricity Amendment (Generator registrations and connections) Rule 2021 1070](#_Toc256001633)

[11.144.1 Definitions 1070](#_Toc256001634)

[11.144.2 Initial registration information resource and guidelines 1070](#_Toc256001635)

[11.144.3 Exemptions from registration 1071](#_Toc256001636)

[11.144.4 Continuing classification 1071](#_Toc256001637)

[11A. NT Savings and Transitional Rules 1075](#_Toc256001638)

[Part A Savings and transitional rules for Chapter 5 1075](#_Toc256001639)

[11A.1 Chapter 5 provisions 1075](#_Toc256001640)

[Part B Savings and transitional rules for Chapter 5A 1075](#_Toc256001641)

[11A.2 Model standing offers 1075](#_Toc256001642)

[11A.2.1 Definitions 1075](#_Toc256001643)

[11A.2.2 Extended meaning of some terms 1076](#_Toc256001644)

[11A.2.3 Transitional operation of relevant provisions 1076](#_Toc256001645)

[11A.2.4 Exclusions, qualifications and modifications 1076](#_Toc256001646)

[11A.2.5 References 1077](#_Toc256001647)

[Part C Savings and transitional rules for Chapter 7A 1077](#_Toc256001648)

[11A.3 Existing metering installations 1078](#_Toc256001649)

[11A.4 Testing metering installations 1078](#_Toc256001650)

[11A.5 Metering data services database and related requirements 1079](#_Toc256001651)

[11A.6 Communication guideline 1080](#_Toc256001652)

[11A.7 Timeframes for meters to be installed 1080](#_Toc256001653)