**National Electricity Rules As in force in the Northern Territory Version 71**

**Historical Information**

This version of the National Electricity Rules As in force in the Northern Territory was current from 13 May 2021 to 26 May 2021.

National Electricity Rules As in force in the Northern Territory

Version 71

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 13 May 2021.

This consolidated version of the NT NER reflects the current version of the National Electricity Rules (version 164) 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 54](#_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 55](#_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 56](#_Toc256000103)

[Division 1 Preliminary 56](#_Toc256000104)

[4A.G.1 Overview of Part G 56](#_Toc256000105)

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

[Division 2 Market Generators and trading right holders 57](#_Toc256000107)

[4A.G.3 Market Generators and generator capacity 57](#_Toc256000108)

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

[Division 3 Trading groups 58](#_Toc256000110)

[4A.G.5 Trading group 58](#_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 63](#_Toc256000122)

[4A.G.14 Applications to the AER 64](#_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 68](#_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 70](#_Toc256000135)

[Division 10 Miscellaneous 71](#_Toc256000136)

[4A.G.24 MLO compliance and reporting 71](#_Toc256000137)

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

[Part H Voluntary Book Build 72](#_Toc256000139)

[4A.H.1 Purpose and application 72](#_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 74](#_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 85](#_Toc256000156)

[5.2 Obligations 86](#_Toc256000157)

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

[5.2.2 Connection agreements 86](#_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 Dedicated Connection Asset Service Providers 98](#_Toc256000166)

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

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

[5.2A.2 Relevant assets 99](#_Toc256000169)

[5.2A.3 Connection and access to transmission services 99](#_Toc256000170)

[5.2A.4 Transmission services related to connection 101](#_Toc256000171)

[5.2A.5 Publication and provision of information 104](#_Toc256000172)

[5.2A.6 Negotiating principles 105](#_Toc256000173)

[5.2A.7 Third party IUSAs 105](#_Toc256000174)

[5.2A.8 Access framework for large dedicated connection assets 107](#_Toc256000175)

[5.3 Establishing or Modifying Connection 109](#_Toc256000176)

[5.3.1 Process and procedures 109](#_Toc256000177)

[5.3.1A Application of rule to connection of embedded generating units 109](#_Toc256000178)

[5.3.2 Connection enquiry 110](#_Toc256000179)

[5.3.3 Response to connection enquiry 111](#_Toc256000180)

[5.3.4 Application for connection 115](#_Toc256000181)

[5.3.4A Negotiated access standards 117](#_Toc256000182)

[5.3.4B System strength remediation for new connections 120](#_Toc256000183)

[5.3.5 Preparation of offer to connect 123](#_Toc256000184)

[5.3.6 Offer to connect 124](#_Toc256000185)

[5.3.7 Finalisation of connection agreements and network operating agreements 127](#_Toc256000186)

[5.3.8 Provision and use of information 129](#_Toc256000187)

[5.3.9 Procedure to be followed by a Generator proposing to alter a generating system 130](#_Toc256000188)

[5.3.10 Acceptance of performance standards for generating plant that is altered 132](#_Toc256000189)

[5.3.11 Notification of request to change normal voltage 133](#_Toc256000190)

[5.3A Establishing or modifying connection - embedded generation 133](#_Toc256000191)

[5.3A.A1 Definitions 133](#_Toc256000192)

[5.3A.1 Application of rule 5.3A 134](#_Toc256000193)

[5.3A.2 Miscellaneous 134](#_Toc256000194)

[5.3A.3 Publication of Information 135](#_Toc256000195)

[5.3A.4 Fees 137](#_Toc256000196)

[5.3A.5 Enquiry 138](#_Toc256000197)

[5.3A.6 Response to Enquiry 138](#_Toc256000198)

[5.3A.7 Preliminary Response to Enquiry 139](#_Toc256000199)

[5.3A.8 Detailed Response to Enquiry 140](#_Toc256000200)

[5.3A.9 Application for connection 141](#_Toc256000201)

[5.3A.10 Preparation of offer to connect 142](#_Toc256000202)

[5.3A.11 Technical Dispute 143](#_Toc256000203)

[5.3A.12 Network support payments and functions 143](#_Toc256000204)

[5.3AA Access arrangements relating to Distribution Networks 143](#_Toc256000205)

[5.3B Application for connection to declared shared network 147](#_Toc256000206)

[5.4 Independent Engineer 147](#_Toc256000207)

[5.4.1 Application 147](#_Toc256000208)

[5.4.2 Establishment of a pool 148](#_Toc256000209)

[5.4.3 Initiating the Independent Engineer process 148](#_Toc256000210)

[5.4.4 Referral to the Adviser 149](#_Toc256000211)

[5.4.5 Proceedings and decisions of the Independent Engineer 150](#_Toc256000212)

[5.4.6 Costs of the Independent Engineer 151](#_Toc256000213)

[5.4A [Deleted] 151](#_Toc256000214)

[5.4AA [Deleted] 151](#_Toc256000215)

[5.5 Commercial arbitration for prescribed and negotiated transmission services and large DCA services 151](#_Toc256000216)

[5.5.1 Application 151](#_Toc256000217)

[5.5.2 Notification of dispute 152](#_Toc256000218)

[5.5.3 Appointment of commercial arbitrator 152](#_Toc256000219)

[5.5.4 Procedures of commercial arbitrator 153](#_Toc256000220)

[5.5.5 Powers of commercial arbitrator in determining disputes 153](#_Toc256000221)

[5.5.6 Determination of disputes 154](#_Toc256000222)

[5.5.7 Costs of dispute 155](#_Toc256000223)

[5.5.8 Enforcement of agreement or determination and requirement for reasons 156](#_Toc256000224)

[5.5.9 Miscellaneous 156](#_Toc256000225)

[5.5A  [Deleted] 156](#_Toc256000226)

[Part C Post-Connection Agreement matters 156](#_Toc256000227)

[5.6 Design of Connected Equipment 156](#_Toc256000228)

[5.6.1 Application 156](#_Toc256000229)

[5.6.2 Advice of inconsistencies 157](#_Toc256000230)

[5.6.3 Additional information 157](#_Toc256000231)

[5.6.4 Advice on possible non-compliance 157](#_Toc256000232)

[5.6A  [Deleted] 158](#_Toc256000233)

[5.7 Inspection and Testing 158](#_Toc256000234)

[5.7.1 Right of entry and inspection 158](#_Toc256000235)

[5.7.2 Right of testing 160](#_Toc256000236)

[5.7.3 Tests to demonstrate compliance with connection requirements for generators 161](#_Toc256000237)

[5.7.3A Tests to demonstrate compliance with system strength remediation schemes 163](#_Toc256000238)

[5.7.4 Routine testing of protection equipment 164](#_Toc256000239)

[5.7.5 Testing by Registered Participants of their own plant requiring changes to normal operation 166](#_Toc256000240)

[5.7.6 Tests of generating units requiring changes to normal operation 168](#_Toc256000241)

[5.7.7 Inter-network power system tests 169](#_Toc256000242)

[5.7.8 Contestable IUSA components 175](#_Toc256000243)

[5.8 Commissioning 175](#_Toc256000244)

[5.8.1 Requirement to inspect and test equipment 175](#_Toc256000245)

[5.8.2 Co-ordination during commissioning 176](#_Toc256000246)

[5.8.3 Control and protection settings for equipment 176](#_Toc256000247)

[5.8.4 Commissioning program 177](#_Toc256000248)

[5.8.5 Commissioning tests 178](#_Toc256000249)

[5.9 Disconnection and Reconnection 178](#_Toc256000250)

[5.9.1 Voluntary disconnection 178](#_Toc256000251)

[5.9.2 Decommissioning procedures 179](#_Toc256000252)

[5.9.3 Involuntary disconnection 179](#_Toc256000253)

[5.9.4 Direction to disconnect 180](#_Toc256000254)

[5.9.4A Notification of disconnection 181](#_Toc256000255)

[5.9.5 Disconnection during an emergency 181](#_Toc256000256)

[5.9.6 Obligation to reconnect 181](#_Toc256000257)

[Part D Network Planning and Expansion 182](#_Toc256000258)

[5.10 Network development generally 182](#_Toc256000259)

[5.10.1 Content of Part D 182](#_Toc256000260)

[5.10.2 Definitions 183](#_Toc256000261)

[5.10.3 Interpretation 188](#_Toc256000262)

[5.11 Forecasts of connection to transmission network and identification of system limitations 188](#_Toc256000263)

[5.11.1 Forecasts for connection to transmission network 188](#_Toc256000264)

[5.11.2 Identification of network limitations 189](#_Toc256000265)

[5.12 Transmission annual planning process 190](#_Toc256000266)

[5.12.1 Transmission annual planning review 190](#_Toc256000267)

[5.12.2 Transmission Annual Planning Report 190](#_Toc256000268)

[5.13 Distribution annual planning process 194](#_Toc256000269)

[5.13.1 Distribution annual planning review 194](#_Toc256000270)

[5.13.2 Distribution Annual Planning Report 196](#_Toc256000271)

[5.13.3 Distribution system limitation template 196](#_Toc256000272)

[5.13A Distribution zone substation information 198](#_Toc256000273)

[5.14 Joint planning 200](#_Toc256000274)

[5.14.1 Joint planning obligations of Transmission Network Service Providers and Distribution Network Service Providers 200](#_Toc256000275)

[5.14.2 Joint planning obligations of Distribution Network Service Providers and Distribution Network Service Providers 201](#_Toc256000276)

[5.14.3 Joint planning obligations of Transmission Network Service Providers 202](#_Toc256000277)

[Clause 5.14.4 Joint ISP planning by Transmission Network Service Providers and AEMO 202](#_Toc256000278)

[5.14A Joint planning in relation to retirement or de-ratings of network assets forming part of the Declared Shared Network 203](#_Toc256000279)

[5.14B TAPR Guidelines 203](#_Toc256000280)

[5.14B.1 Development of TAPR Guidelines 203](#_Toc256000281)

[5.15 Regulatory investment tests generally 203](#_Toc256000282)

[5.15.1 Interested parties 203](#_Toc256000283)

[5.15.2 Identification of a credible option 204](#_Toc256000284)

[5.15.3 Review of costs thresholds 205](#_Toc256000285)

[5.15.4 Costs determinations 207](#_Toc256000286)

[5.15A Regulatory investment test for transmission 207](#_Toc256000287)

[5.15A.1 General principles and application 207](#_Toc256000288)

[5.15A.2 Principles for RIT-T projects which are not actionable ISP projects 208](#_Toc256000289)

[5.15A.3 Principles for actionable ISP projects 210](#_Toc256000290)

[5.16 Application of RIT-T to RIT-T projects which are not actionable ISP projects 212](#_Toc256000291)

[5.16.1 Application 212](#_Toc256000292)

[5.16.2 Regulatory investment test for transmission application guidelines 212](#_Toc256000293)

[5.16.3 Investments subject to the regulatory investment test for transmission 214](#_Toc256000294)

[5.16.4 Regulatory investment test for transmission procedures 216](#_Toc256000295)

[5.16.5 [Deleted] 223](#_Toc256000296)

[5.16.6 [Deleted] 223](#_Toc256000297)

[5.16A Application of the RIT-T to actionable ISP Projects 223](#_Toc256000298)

[5.16A.1 Application 223](#_Toc256000299)

[5.16A.2 Cost Benefit Analysis Guidelines 223](#_Toc256000300)

[5.16A.3 Actionable ISP projects subject to the RIT-T 223](#_Toc256000301)

[5.16A.4 Regulatory investment test for transmission procedures 224](#_Toc256000302)

[5.16A.5 Actionable ISP project trigger event 227](#_Toc256000303)

[5.16B Disputes in relation to application of regulatory investment test for transmission 227](#_Toc256000304)

[5.17 Regulatory investment test for distribution 230](#_Toc256000305)

[5.17.1 Principles 230](#_Toc256000306)

[5.17.2 Regulatory investment test for distribution application guidelines 232](#_Toc256000307)

[5.17.3 Projects subject to the regulatory investment test for distribution 233](#_Toc256000308)

[5.17.4 Regulatory investment test for distribution procedures 235](#_Toc256000309)

[5.17.5 Disputes in relation to application of regulatory investment test for distribution 240](#_Toc256000310)

[5.18 Construction of funded augmentations 241](#_Toc256000311)

[5.18A Generator connections 242](#_Toc256000312)

[5.18A.1 Definitions 242](#_Toc256000313)

[5.18A.2 Register of generator connections 243](#_Toc256000314)

[5.18A.3 Impact assessment of large generator connections 243](#_Toc256000315)

[5.18B Completed embedded generation projects 245](#_Toc256000316)

[5.18B.1 Definitions 245](#_Toc256000317)

[5.18B.2 Register of completed embedded generation projects 245](#_Toc256000318)

[5.19 SENE Design and Costing Study 245](#_Toc256000319)

[5.19.1 Definitions 245](#_Toc256000320)

[5.19.2 Interpretation 246](#_Toc256000321)

[5.19.3 Request for SENE Design and Costing Study 246](#_Toc256000322)

[5.19.4 Content of SENE Design and Costing Study 247](#_Toc256000323)

[5.19.5 Co-operation of other Network Service Providers 248](#_Toc256000324)

[5.19.6 Publication of SENE Design and Costing Study report 249](#_Toc256000325)

[5.19.7 Provision and use of information 249](#_Toc256000326)

[5.20 System security reports 250](#_Toc256000327)

[5.20.1 Definitions 250](#_Toc256000328)

[5.20.2 Publication of NSCAS methodology 250](#_Toc256000329)

[5.20.3 Publication of NSCAS Report 250](#_Toc256000330)

[5.20.4 Inertia requirements methodology 251](#_Toc256000331)

[5.20.5 Publication of Inertia Report 251](#_Toc256000332)

[5.20.6 Publication of system strength requirements methodologies 251](#_Toc256000333)

[5.20.7 Publication of System Strength Report 252](#_Toc256000334)

[5.20A Frequency management planning 253](#_Toc256000335)

[5.20A.1 Power system frequency risk review 253](#_Toc256000336)

[5.20A.2 Power system frequency risk review process 254](#_Toc256000337)

[5.20A.3 Power system frequency risk review report 254](#_Toc256000338)

[5.20A.4 Request for protected event declaration 255](#_Toc256000339)

[5.20A.5 Request to revoke a protected event declaration 255](#_Toc256000340)

[5.20B Inertia sub-networks and requirements 256](#_Toc256000341)

[5.20B.1 Boundaries of inertia sub-networks 256](#_Toc256000342)

[5.20B.2 Inertia requirements 256](#_Toc256000343)

[5.20B.3 Inertia shortfalls 257](#_Toc256000344)

[5.20B.4 Inertia Service Provider to make available inertia services 258](#_Toc256000345)

[5.20B.5 Inertia support activities 260](#_Toc256000346)

[5.20B.6 Inertia network services information and approvals 261](#_Toc256000347)

[5.20C System strength requirements 263](#_Toc256000348)

[5.20C.1 System strength requirements 263](#_Toc256000349)

[5.20C.2 Fault level shortfalls 264](#_Toc256000350)

[5.20C.3 System Strength Service Provider to make available system strength services 264](#_Toc256000351)

[5.20C.4 System strength services information and approvals 266](#_Toc256000352)

[5.21 AEMO's obligation to publish information and guidelines and provide advice 268](#_Toc256000353)

[5.22 Integrated System Plan 270](#_Toc256000354)

[5.22.1 Duty of AEMO to make Integrated System Plan 270](#_Toc256000355)

[5.22.2 Purpose of the ISP 270](#_Toc256000356)

[5.22.3 Power system needs 270](#_Toc256000357)

[5.22.4 ISP timetable 270](#_Toc256000358)

[5.22.5 Guidelines relevant to the ISP 271](#_Toc256000359)

[5.22.6 Content of Integrated System Plan 272](#_Toc256000360)

[5.22.7 ISP consumer panel 274](#_Toc256000361)

[5.22.8 Preliminary consultations 275](#_Toc256000362)

[5.22.9 AER transparency review on Inputs, Assumptions and Scenarios Report 275](#_Toc256000363)

[5.22.10 Preparation of ISP 276](#_Toc256000364)

[5.22.11 Draft Integrated System Plan 278](#_Toc256000365)

[5.22.12 Non-network options 279](#_Toc256000366)

[5.22.13 AER transparency review of draft Integrated System Plan 280](#_Toc256000367)

[5.22.14 Final Integrated System Plan 280](#_Toc256000368)

[5.22.15 ISP updates 281](#_Toc256000369)

[5.22.16 ISP database 282](#_Toc256000370)

[5.22.17 Jurisdictional planning bodies and jurisdictional planning representatives 282](#_Toc256000371)

[5.22.18 NTP Functions 283](#_Toc256000372)

[5.23 Disputes in relation to an ISP 283](#_Toc256000373)

[5.23.1 Disputing party 283](#_Toc256000374)

[5.23.2 Initial AER review 284](#_Toc256000375)

[5.23.3 Provision of further information 284](#_Toc256000376)

[5.23.4 AER determination 284](#_Toc256000377)

[5.24 REZ design reports and joint REZ planning 285](#_Toc256000378)

[5.24.1 REZ design reports 285](#_Toc256000379)

[5.24.2 Joint REZ planning by jurisdictional planning bodies and AEMO 288](#_Toc256000380)

[Schedule 5.1a System standards 288](#_Toc256000381)

[S5.1a.1 Purpose 288](#_Toc256000382)

[S5.1a.2 Frequency 289](#_Toc256000383)

[S5.1a.3 System stability 289](#_Toc256000384)

[S5.1a.4 Power frequency voltage 289](#_Toc256000385)

[S5.1a.5 Voltage fluctuations 290](#_Toc256000386)

[S5.1a.6 Voltage waveform distortion 290](#_Toc256000387)

[S5.1a.7 Voltage unbalance 291](#_Toc256000388)

[S5.1a.8 Fault clearance times 292](#_Toc256000389)

[Schedule 5.1 Network Performance Requirements to be Provided or Co-ordinated by Network Service Providers 293](#_Toc256000390)

[S5.1.1 Introduction 293](#_Toc256000391)

[S5.1.2 Network reliability 294](#_Toc256000392)

[S5.1.2.1 Credible contingency events 294](#_Toc256000393)

[S5.1.2.2 Network service within a region 295](#_Toc256000394)

[S5.1.2.3 Network service between regions 296](#_Toc256000395)

[S5.1.3 Frequency variations 296](#_Toc256000396)

[S5.1.4 Magnitude of power frequency voltage 296](#_Toc256000397)

[S5.1.5 Voltage fluctuations 297](#_Toc256000398)

[S5.1.6 Voltage harmonic or voltage notching distortion 298](#_Toc256000399)

[S5.1.7 Voltage unbalance 299](#_Toc256000400)

[S5.1.8 Stability 300](#_Toc256000401)

[S5.1.9 Protection systems and fault clearance times 301](#_Toc256000402)

[S5.1.10 Load, generation and network control facilities 304](#_Toc256000403)

[S5.1.10.1 General 304](#_Toc256000404)

[S5.1.10.1a Emergency frequency control schemes 305](#_Toc256000405)

[S5.1.10.2 Distribution Network Service Providers 306](#_Toc256000406)

[S5.1.10.3 Transmission Network Service Providers 306](#_Toc256000407)

[S5.1.11 Automatic reclosure of transmission or distribution lines 307](#_Toc256000408)

[S5.1.12 Rating of transmission lines and equipment 307](#_Toc256000409)

[S5.1.13 Information to be provided 308](#_Toc256000410)

[Schedule 5.2 Conditions for Connection of Generators 308](#_Toc256000411)

[S5.2.1 Outline of requirements 308](#_Toc256000412)

[S5.2.2 Application of Settings 309](#_Toc256000413)

[S5.2.3 Technical matters to be coordinated 310](#_Toc256000414)

[S5.2.4 Provision of information 310](#_Toc256000415)

[S5.2.5 Technical requirements 313](#_Toc256000416)

[S5.2.5.1 Reactive power capability 313](#_Toc256000417)

[S5.2.5.2 Quality of electricity generated 314](#_Toc256000418)

[S5.2.5.3 Generating system response to frequency disturbances 315](#_Toc256000419)

[S5.2.5.4 Generating system response to voltage disturbances 318](#_Toc256000420)

[S5.2.5.5 Generating system response to disturbances following contingency events 320](#_Toc256000421)

[S5.2.5.6 Quality of electricity generated and continuous uninterrupted operation 328](#_Toc256000422)

[S5.2.5.7 Partial load rejection 328](#_Toc256000423)

[S5.2.5.8 Protection of generating systems from power system disturbances 329](#_Toc256000424)

[S5.2.5.9 Protection systems that impact on power system security 330](#_Toc256000425)

[S5.2.5.10 Protection to trip plant for unstable operation 332](#_Toc256000426)

[S5.2.5.11 Frequency control 333](#_Toc256000427)

[S5.2.5.12 Impact on network capability 336](#_Toc256000428)

[S5.2.5.13 Voltage and reactive power control 337](#_Toc256000429)

[S5.2.5.14 Active power control 343](#_Toc256000430)

[S5.2.6 Monitoring and control requirements 345](#_Toc256000431)

[S5.2.6.1 Remote Monitoring 345](#_Toc256000432)

[S5.2.6.2 Communications equipment 347](#_Toc256000433)

[S5.2.7 Power station auxiliary supplies 348](#_Toc256000434)

[S5.2.8 Fault current 349](#_Toc256000435)

[Schedule 5.3 Conditions for Connection of Customers 350](#_Toc256000436)

[S5.3.1a Introduction to the schedule 350](#_Toc256000437)

[S5.3.1 Information 351](#_Toc256000438)

[S5.3.2 Design standards 353](#_Toc256000439)

[S5.3.3 Protection systems and settings 353](#_Toc256000440)

[S5.3.4 Settings of protection and control systems 354](#_Toc256000441)

[S5.3.5 Power factor requirements 355](#_Toc256000442)

[S5.3.6 Balancing of load currents 356](#_Toc256000443)

[S5.3.7 Voltage fluctuations 356](#_Toc256000444)

[S5.3.8 Harmonics and voltage notching 357](#_Toc256000445)

[S5.3.9 Design requirements for Network Users' substations 357](#_Toc256000446)

[S5.3.10 Load shedding facilities 358](#_Toc256000447)

[Schedule 5.3a Conditions for connection of Market Network Services 358](#_Toc256000448)

[S5.3a.1a Introduction to the schedule 358](#_Toc256000449)

[S5.3a.1 Provision of Information 359](#_Toc256000450)

[S5.3a.2 Application of settings 361](#_Toc256000451)

[S5.3a.3 Technical matters to be co-ordinated 362](#_Toc256000452)

[S5.3a.4 Monitoring and control requirements 362](#_Toc256000453)

[S5.3a.4.1 Remote Monitoring 362](#_Toc256000454)

[S5.3a.4.2 [Deleted] 363](#_Toc256000455)

[S5.3a.4.3 Communications equipment 363](#_Toc256000456)

[S5.3a.5 Design standards 363](#_Toc256000457)

[S5.3a.6 Protection systems and settings 364](#_Toc256000458)

[S5.3a.7 [Deleted] 365](#_Toc256000459)

[S5.3a.8 Reactive power capability 365](#_Toc256000460)

[S5.3a.9 Balancing of load currents 365](#_Toc256000461)

[S5.3a.10 Voltage fluctuations 366](#_Toc256000462)

[S5.3a.11 Harmonics and voltage notching 366](#_Toc256000463)

[S5.3a.12 Design requirements for Market Network Service Providers' substations 367](#_Toc256000464)

[S5.3a.13 Market network service response to disturbances in the power system 367](#_Toc256000465)

[S5.3a.14 Protection of market network services from power system disturbances 368](#_Toc256000466)

[Schedule 5.4 Information to be Provided with Preliminary Enquiry 368](#_Toc256000467)

[Schedule 5.4A Preliminary Response 369](#_Toc256000468)

[Schedule 5.4B Detailed Response to Enquiry 371](#_Toc256000469)

[Schedule 5.5 Technical Details to Support Application for Connection and Connection Agreement 373](#_Toc256000470)

[S5.5.1 Introduction to the schedule 373](#_Toc256000471)

[S5.5.2 Categories of data 374](#_Toc256000472)

[S5.5.3 Review, change and supply of data 375](#_Toc256000473)

[S5.5.4 Data Requirements 375](#_Toc256000474)

[S5.5.5 Asynchronous generating unit data 375](#_Toc256000475)

[S5.5.6 Generating units smaller than 30MW data 376](#_Toc256000476)

[S5.5.7 Power System Design Data Sheet, Power System Setting Data Sheet and Power System Model Guidelines 376](#_Toc256000477)

[Schedule 5.5.1 [Deleted] 379](#_Toc256000478)

[Schedule 5.5.2 [Deleted] 379](#_Toc256000479)

[Schedule 5.5.3 Network and plant technical data of equipment at or near connection point 379](#_Toc256000480)

[Schedule 5.5.4 Network Plant and Apparatus Setting Data 382](#_Toc256000481)

[Schedule 5.5.5 Load Characteristics at Connection Point 384](#_Toc256000482)

[Schedule 5.6 Terms and Conditions of Connection agreements and network operating agreements 385](#_Toc256000483)

[Part A Connection agreements 385](#_Toc256000484)

[Part B Network Operating Agreements 387](#_Toc256000485)

[Schedule 5.7 Annual Forecast Information for Planning Purposes 387](#_Toc256000486)

[Schedule 5.8 Distribution Annual Planning Report 389](#_Toc256000487)

[Schedule 5.9 Demand side engagement document (clause 5.13.1(h)) 395](#_Toc256000488)

[Schedule 5.10 Information requirements for Primary Transmission Network Service Providers (clause 5.2A.5) 397](#_Toc256000489)

[Schedule 5.11 Negotiating principles for negotiated transmission services (clause 5.2A.6) 400](#_Toc256000490)

[Schedule 5.12 Negotiating principles for large DCA services 402](#_Toc256000491)

[5A. Electricity connection for retail customers 407](#_Toc256000492)

[Part A Preliminary 407](#_Toc256000493)

[5A.A.1 Definitions 407](#_Toc256000494)

[5A.A.2 Application of this Chapter 410](#_Toc256000495)

[5A.A.3 Small Generation Aggregator deemed to be agent of a retail customer 410](#_Toc256000496)

[Part B Standardised offers to provide basic and standard connection services 411](#_Toc256000497)

[Division 1 Basic connection services 411](#_Toc256000498)

[5A.B.1 Obligation to have model standing offer to provide basic connection services 411](#_Toc256000499)

[5A.B.2 Proposed model standing offer for basic connection services 411](#_Toc256000500)

[5A.B.3 Approval of terms and conditions of model standing offer to provide basic connection services 412](#_Toc256000501)

[Division 2 Standard connection services 413](#_Toc256000502)

[5A.B.4 Standard connection services 413](#_Toc256000503)

[5A.B.5 Approval of model standing offer to provide standard connection services 414](#_Toc256000504)

[Division 3 Miscellaneous 415](#_Toc256000505)

[5A.B.6 Amendment etc of model standing offer 415](#_Toc256000506)

[5A.B.7 Publication of model standing offers 415](#_Toc256000507)

[Part C Negotiated connection 416](#_Toc256000508)

[5A.C.1 Negotiation of connection 416](#_Toc256000509)

[5A.C.2 Process of negotiation 416](#_Toc256000510)

[5A.C.3 Negotiation framework 416](#_Toc256000511)

[5A.C.4 Fee to cover cost of negotiation 418](#_Toc256000512)

[Part D Application for connection service 419](#_Toc256000513)

[Division 1 Information 419](#_Toc256000514)

[5A.D.1 Publication of information 419](#_Toc256000515)

[5A.D.1A Register of completed embedded generation projects 419](#_Toc256000516)

[Division 2 Preliminary enquiry 420](#_Toc256000517)

[5A.D.2 Preliminary enquiry 420](#_Toc256000518)

[Division 3 Applications 421](#_Toc256000519)

[5A.D.3 Application process 421](#_Toc256000520)

[5A.D.4 Site inspection 422](#_Toc256000521)

[Part E Connection charges 423](#_Toc256000522)

[5A.E.1 Connection charge principles 423](#_Toc256000523)

[5A.E.2 Itemised statement of connection charges 424](#_Toc256000524)

[5A.E.3 Connection charge guidelines 424](#_Toc256000525)

[5A.E.4 Payment of connection charges 426](#_Toc256000526)

[Part F Formation and integration of connection contracts 427](#_Toc256000527)

[Division 1 Offer and acceptance – basic and standard connection services 427](#_Toc256000528)

[5A.F.1 Distribution Network Service Provider's response to application 427](#_Toc256000529)

[5A.F.2 Acceptance of connection offer 427](#_Toc256000530)

[5A.F.3 Offer and acceptance—application for expedited connection 428](#_Toc256000531)

[Division 2 Offer and acceptance – negotiated connection 428](#_Toc256000532)

[5A.F.4 Negotiated connection offer 428](#_Toc256000533)

[Division 3 Formation of contract 429](#_Toc256000534)

[5A.F.5 Acceptance of connection offer 429](#_Toc256000535)

[Division 4 Contractual performance 429](#_Toc256000536)

[5A.F.6 Carrying out connection work 429](#_Toc256000537)

[5A.F.7 Retailer required for energisation where new connection 430](#_Toc256000538)

[Part G Dispute resolution between Distribution Network Service Providers and customers 430](#_Toc256000539)

[5A.G.1 Relevant disputes 430](#_Toc256000540)

[5A.G.2 Determination of dispute 430](#_Toc256000541)

[5A.G.3 Termination of proceedings 431](#_Toc256000542)

[SCHEDULE 5A.1 – Minimum content requirements for connection contract 431](#_Toc256000543)

[Part A Connection offer not involving embedded generation 431](#_Toc256000544)

[Part B Connection offer involving embedded generation 432](#_Toc256000545)

[6. Economic Regulation of Distribution Services 437](#_Toc256000546)

[Part A Introduction 437](#_Toc256000547)

[6.0 Operation of Chapter 6 in this jurisdiction 437](#_Toc256000548)

[6.0A Interpretation 437](#_Toc256000549)

[6.1 Introduction to Chapter 6 438](#_Toc256000550)

[6.1.1 AER's regulatory responsibility 438](#_Toc256000551)

[6.1.1A [Deleted] 438](#_Toc256000552)

[6.1.2 Structure of this Chapter 438](#_Toc256000553)

[6.1.3 Access to direct control services and negotiated distribution services 439](#_Toc256000554)

[6.1.4 Prohibition of DUOS charges for the export of energy 440](#_Toc256000555)

[Part B Classification of Distribution Services and Distribution Determinations 440](#_Toc256000556)

[6.2 Classification 440](#_Toc256000557)

[6.2.1 Classification of distribution services 440](#_Toc256000558)

[6.2.2 Classification of direct control services as standard control services or alternative control services 440](#_Toc256000559)

[6.2.3 Term for which classification operates 441](#_Toc256000560)

[6.2.3A Distribution Service Classification Guidelines 441](#_Toc256000561)

[6.2.4 Duty of AER to make distribution determinations 442](#_Toc256000562)

[6.2.5 Control mechanisms for direct control services 442](#_Toc256000563)

[6.2.6 Basis of control mechanisms for direct control services 444](#_Toc256000564)

[6.2.7 Negotiated distribution services 444](#_Toc256000565)

[6.2.8 Guidelines 444](#_Toc256000566)

[Part C Building Block Determinations for standard control services 445](#_Toc256000567)

[6.3 Building block determinations 445](#_Toc256000568)

[6.3.1 Introduction 445](#_Toc256000569)

[6.3.2 Contents of building block determination 445](#_Toc256000570)

[6.4 Post-tax revenue model 446](#_Toc256000571)

[6.4.1 Preparation, publication and amendment of post-tax revenue model 446](#_Toc256000572)

[6.4.2 Contents of post-tax revenue model 446](#_Toc256000573)

[6.4.3 Building block approach 447](#_Toc256000574)

[6.4.4 Shared assets 448](#_Toc256000575)

[6.4.5 Expenditure Forecast Assessment Guidelines 450](#_Toc256000576)

[6.4A Capital expenditure incentive mechanisms 450](#_Toc256000577)

[6.4B Asset exemptions 451](#_Toc256000578)

[6.4B.1 Asset exemption decisions and Asset Exemption Guidelines 451](#_Toc256000579)

[6.4B.2 Exemption applications 452](#_Toc256000580)

[6.5 Matters relevant to the making of building block determinations 453](#_Toc256000581)

[6.5.1 Regulatory asset base 453](#_Toc256000582)

[6.5.2 Return on capital 454](#_Toc256000583)

[6.5.3 Estimated cost of corporate income tax 454](#_Toc256000584)

[6.5.4 [Deleted] 454](#_Toc256000585)

[6.5.5 Depreciation 454](#_Toc256000586)

[6.5.6 Forecast operating expenditure 455](#_Toc256000587)

[6.5.7 Forecast capital expenditure 457](#_Toc256000588)

[6.5.8 Efficiency benefit sharing scheme 462](#_Toc256000589)

[6.5.8A Capital expenditure sharing scheme 463](#_Toc256000590)

[6.5.9 The X factor 464](#_Toc256000591)

[6.5.10 Pass through events 465](#_Toc256000592)

[6.6 Adjustments after making of building block determination. 465](#_Toc256000593)

[6.6.1 Cost pass through 465](#_Toc256000594)

[6.6.1AA Cost pass through – deemed determinations 472](#_Toc256000595)

[6.6.1AB Cost pass through – NT events 473](#_Toc256000596)

[6.6.1A Reporting on jurisdictional schemes 478](#_Toc256000597)

[6.6.2 Service target performance incentive scheme 479](#_Toc256000598)

[6.6.3 Demand management incentive scheme 480](#_Toc256000599)

[6.6.3A Demand management innovation allowance mechanism 481](#_Toc256000600)

[6.6.4 Small-scale incentive scheme 482](#_Toc256000601)

[6.6.5 Reopening of distribution determination for capital expenditure 483](#_Toc256000602)

[6.6A Contingent Projects 487](#_Toc256000603)

[6.6A.1 Acceptance of a contingent project in a distribution determination 487](#_Toc256000604)

[6.6A.2 Amendment of distribution determination for contingent project 488](#_Toc256000605)

[Part D Negotiated distribution services 493](#_Toc256000606)

[6.7 Negotiated distribution services 493](#_Toc256000607)

[6.7.1 Principles relating to access to negotiated distribution services 493](#_Toc256000608)

[6.7.2 Determination of terms and conditions of access for negotiated distribution services 495](#_Toc256000609)

[6.7.3 Negotiating framework determination 495](#_Toc256000610)

[6.7.4 Negotiated Distribution Service Criteria determination 495](#_Toc256000611)

[6.7.5 Preparation of and requirements for negotiating framework for negotiated distribution services 496](#_Toc256000612)

[6.7.6 Confidential information 498](#_Toc256000613)

[Part DA Connection policies 498](#_Toc256000614)

[6.7A Connection policy requirements 498](#_Toc256000615)

[6.7A.1 Preparation of, and requirements for, connection policy 498](#_Toc256000616)

[Part E Regulatory proposal and proposed tariff structure statement 499](#_Toc256000617)

[6.8 Regulatory proposal and proposed tariff structure statement 499](#_Toc256000618)

[6.8.1 AER's framework and approach paper 499](#_Toc256000619)

[6.8.1A Notification of approach to forecasting expenditure 501](#_Toc256000620)

[6.8.2 Submission of regulatory proposal, tariff structure statement and exemption application 502](#_Toc256000621)

[6.9 Preliminary examination and consultation 504](#_Toc256000622)

[6.9.1 Preliminary examination 504](#_Toc256000623)

[6.9.2 Resubmission of proposal 504](#_Toc256000624)

[6.9.2A Confidential information 504](#_Toc256000625)

[6.9.3 Consultation 505](#_Toc256000626)

[6.10 Draft distribution determination and further consultation 506](#_Toc256000627)

[6.10.1 Making of draft distribution determination 506](#_Toc256000628)

[6.10.2 Publication of draft determination and consultation 506](#_Toc256000629)

[6.10.3 Submission of revised proposal 507](#_Toc256000630)

[6.10.4 Submissions on specified matters 508](#_Toc256000631)

[6.11 Distribution determination 508](#_Toc256000632)

[6.11.1 Making of distribution determination 508](#_Toc256000633)

[6.11.1A Out of scope revised regulatory proposal or late submissions 509](#_Toc256000634)

[6.11.2 Notice of distribution determination 509](#_Toc256000635)

[6.11.3 Commencement of distribution determination 510](#_Toc256000636)

[6.12 Requirements relating to draft and final distribution determinations 510](#_Toc256000637)

[6.12.1 Constituent decisions 510](#_Toc256000638)

[6.12.2 Reasons for decisions 513](#_Toc256000639)

[6.12.3 Extent of AER's discretion in making distribution determinations 514](#_Toc256000640)

[6.13 Revocation and substitution of distribution determination for wrong information or error 515](#_Toc256000641)

[6.14 Miscellaneous 516](#_Toc256000642)

[6.14A Distribution Confidentiality Guidelines 516](#_Toc256000643)

[Part F Cost Allocation 517](#_Toc256000644)

[6.15 Cost allocation 517](#_Toc256000645)

[6.15.1 Duty to comply with Cost Allocation Method 517](#_Toc256000646)

[6.15.2 Cost Allocation Principles 517](#_Toc256000647)

[6.15.3 Cost Allocation Guidelines 518](#_Toc256000648)

[6.15.4 Cost Allocation Method 519](#_Toc256000649)

[Part G Distribution consultation procedures 520](#_Toc256000650)

[6.16 Distribution consultation procedures 520](#_Toc256000651)

[Part H Ring-Fencing Arrangements for Distribution Network Service Providers 521](#_Toc256000652)

[6.17 Distribution Ring-Fencing Guidelines 521](#_Toc256000653)

[6.17.1 Compliance with Distribution Ring-Fencing Guidelines 521](#_Toc256000654)

[6.17.1B Application of Distribution Ring-Fencing Guidelines in this jurisdiction 522](#_Toc256000655)

[6.17.2 Development of Distribution Ring-Fencing Guidelines 522](#_Toc256000656)

[Part I Distribution Pricing Rules 523](#_Toc256000657)

[6.18 Distribution Pricing Rules 523](#_Toc256000658)

[6.18.1 Application of this Part 523](#_Toc256000659)

[6.18.1A Tariff structure statement 523](#_Toc256000660)

[6.18.1B Amending a tariff structure statement with the AER's approval 524](#_Toc256000661)

[6.18.1C Sub-threshold tariffs 525](#_Toc256000662)

[6.18.2 Pricing proposals 526](#_Toc256000663)

[6.18.3 Tariff classes 527](#_Toc256000664)

[6.18.4 Principles governing assignment or re-assignment of retail customers to tariff classes and assessment and review of basis of charging 528](#_Toc256000665)

[6.18.5 Pricing principles 528](#_Toc256000666)

[6.18.6 Side constraints on tariffs for standard control services 530](#_Toc256000667)

[6.18.7 Recovery of designated pricing proposal charges 531](#_Toc256000668)

[6.18.7A Recovery of jurisdictional scheme amounts 532](#_Toc256000669)

[6.18.8 Approval of pricing proposal 535](#_Toc256000670)

[6.18.9 Publication of information about tariffs and tariff classes 536](#_Toc256000671)

[6.19 Data Required for Distribution Service Pricing 537](#_Toc256000672)

[6.19.1 Forecast use of networks by Distribution Customers and Embedded Generators 537](#_Toc256000673)

[6.19.2 Confidentiality of distribution network pricing information 537](#_Toc256000674)

[Part J Billing and Settlements 537](#_Toc256000675)

[6.20 Billing and Settlements Process 537](#_Toc256000676)

[6.20.1 Billing for distribution services 537](#_Toc256000677)

[6.20.2 Minimum information to be provided in distribution network service bills 539](#_Toc256000678)

[6.20.3 Settlement between Distribution Network Service Providers 539](#_Toc256000679)

[6.20.4 Obligation to pay 539](#_Toc256000680)

[Part K Prudential requirements, capital contributions and prepayments 540](#_Toc256000681)

[6.21 Distribution Network Service Provider Prudential Requirements 540](#_Toc256000682)

[6.21.1 Prudential requirements for distribution network service 540](#_Toc256000683)

[6.21.2 Capital contributions, prepayments and financial guarantees 541](#_Toc256000684)

[6.21.3 Treatment of past prepayments and capital contributions 541](#_Toc256000685)

[Part L Dispute resolution 541](#_Toc256000686)

[6.22 Dispute Resolution 541](#_Toc256000687)

[6.22.1 Dispute Resolution by the AER 541](#_Toc256000688)

[6.22.2 Determination of dispute 542](#_Toc256000689)

[6.22.3 Termination of access dispute without access determination 543](#_Toc256000690)

[Part M Separate disclosure of transmission and distribution charges 543](#_Toc256000691)

[6.23 Separate disclosure of transmission and distribution charges 543](#_Toc256000692)

[Part N Dual Function Assets 544](#_Toc256000693)

[6.24 Dual Function Assets 545](#_Toc256000694)

[6.24.1 Application of this Part 545](#_Toc256000695)

[6.24.2 Dual Function Assets 545](#_Toc256000696)

[6.25 AER determination of applicable pricing regime for Dual Function Assets 545](#_Toc256000697)

[6.26 Division of Distribution Network Service Provider's revenue 546](#_Toc256000698)

[Part O Annual Benchmarking Report 547](#_Toc256000699)

[6.27 Annual Benchmarking Report 547](#_Toc256000700)

[Part P Distribution Reliability Measures Guidelines 548](#_Toc256000701)

[6.28 Distribution Reliability Measures Guidelines 548](#_Toc256000702)

[Schedule 6.1 Contents of building block proposals 548](#_Toc256000703)

[S6.1.1 Information and matters relating to capital expenditure 548](#_Toc256000704)

[S6.1.2 Information and matters relating to operating expenditure 550](#_Toc256000705)

[S6.1.3 Additional information and matters 551](#_Toc256000706)

[Schedule 6.2 Regulatory Asset Base 554](#_Toc256000707)

[S6.2.1 Establishment of opening regulatory asset base for a regulatory control period 554](#_Toc256000708)

[S6.2.2 Prudency and efficiency of capital expenditure 558](#_Toc256000709)

[S6.2.2A Reduction for inefficient past capital expenditure 559](#_Toc256000710)

[S6.2.2B Depreciation 561](#_Toc256000711)

[S6.2.3 Roll forward of regulatory asset base within the same regulatory control period 562](#_Toc256000712)

[S6.2.3A Establishment of opening regulatory asset base for distribution system in this jurisdiction for 1st regulatory control period 563](#_Toc256000713)

[6A. Economic Regulation of Transmission Services 569](#_Toc256000714)

[6B. Retail Markets 573](#_Toc256000715)

[7. Metering 577](#_Toc256000716)

[7A. Metering 581](#_Toc256000717)

[Part A Introduction 581](#_Toc256000718)

[7A.1 Introduction to the Metering Chapter 581](#_Toc256000719)

[7A.1.1 Purpose and application 581](#_Toc256000720)

[7A.1.2 Contents 581](#_Toc256000721)

[7A.1.3 Definitions 581](#_Toc256000722)

[7A.1.4 Inconsistency 582](#_Toc256000723)

[Part B Roles and Responsibilities 582](#_Toc256000724)

[7A.2 Role and responsibility of financially responsible participant 582](#_Toc256000725)

[7A.3 Role and responsibility of Metering Coordinator 583](#_Toc256000726)

[7A.3.1 Responsibility of the Metering Coordinator 583](#_Toc256000727)

[7A.3.2 Role of the Metering Coordinator 584](#_Toc256000728)

[7A.4 Qualification and requirements of Metering Providers and Metering Data Providers 586](#_Toc256000729)

[7A.4.1 Qualification and requirements of Metering Providers 586](#_Toc256000730)

[7A.4.2 Qualification and requirements of Metering Data Providers 586](#_Toc256000731)

[Part C Appointment of Metering Coordinator 587](#_Toc256000732)

[7A.5 Appointment of Metering Coordinator 587](#_Toc256000733)

[Part D Metering installation 588](#_Toc256000734)

[7A.6 Metering installation arrangement 588](#_Toc256000735)

[7A.6.1 Metering installation requirements 588](#_Toc256000736)

[7A.6.2 Metering installation components 588](#_Toc256000737)

[7A.6.3 Emergency management 591](#_Toc256000738)

[7A.6.4 Network devices 591](#_Toc256000739)

[7A.6.5 Metering point 591](#_Toc256000740)

[7A.6.6 Metering installation types and accuracy 592](#_Toc256000741)

[7A.6.7 Functionality requirements for type 1, 2, 3 and 4 metering installations 592](#_Toc256000742)

[7A.6.8 Meter churn 592](#_Toc256000743)

[7A.6.9 Metering installation malfunctions 593](#_Toc256000744)

[7A.6.10 Timeframes for meters to be installed – new connection 594](#_Toc256000745)

[7A.6.11 Timeframes for meters to be installed – where a connection service is not required 594](#_Toc256000746)

[7A.6.12 Timeframes for meters to be installed – where a connection alteration is required 595](#_Toc256000747)

[7A.6.13 Changing a metering installation 596](#_Toc256000748)

[7A.6.14 Prepayment metering 597](#_Toc256000749)

[7A.7 Maintenance, inspection, testing and auditing of metering installations 597](#_Toc256000750)

[7A.7.1 Maintenance 597](#_Toc256000751)

[7A.7.2 Responsibility for inspection and testing 598](#_Toc256000752)

[7A.7.3 Actions in event of non-compliance 599](#_Toc256000753)

[7A.7.4 Audits of information held in metering installations 600](#_Toc256000754)

[7A.7.5 Appointment of external auditor 600](#_Toc256000755)

[7A.7.6 Errors found in metering tests, inspections or audits 601](#_Toc256000756)

[7A.7.7 Retention of test records and documents 601](#_Toc256000757)

[Part E Metering data 602](#_Toc256000758)

[7A.8 Metering data services 602](#_Toc256000759)

[7A.8.1 Metering data services 602](#_Toc256000760)

[7A.8.2 Collection of energy data and estimation of metering data 603](#_Toc256000761)

[7A.8.3 Data management and storage 604](#_Toc256000762)

[7A.8.4 Provision of metering data to certain persons 605](#_Toc256000763)

[7A.8.5 Use of check metering data 606](#_Toc256000764)

[7A.8.6 Periodic energy metering 606](#_Toc256000765)

[7A.8.7 Verification of metering data Metering installations other than type 7 metering installations 607](#_Toc256000766)

[7A.8.8 Time settings 608](#_Toc256000767)

[7A.8.9 Metering data performance standards 608](#_Toc256000768)

[7A.9 Metering data and data base 610](#_Toc256000769)

[7A.9.1 Metering database 610](#_Toc256000770)

[7A.9.2 Data validation, substitution and estimation 611](#_Toc256000771)

[7A.9.3 Changes to energy data or to metering data 611](#_Toc256000772)

[7A.10 Register of metering information 612](#_Toc256000773)

[7A.10.1 Metering register 612](#_Toc256000774)

[7A.10.2 Metering installation registration process 612](#_Toc256000775)

[7A.10.3 Metering register discrepancy 612](#_Toc256000776)

[7A.11 Disclosure of information 613](#_Toc256000777)

[7A.11.1 Provision of data to retailers 613](#_Toc256000778)

[7A.12 Metering data provision to *retail customers* 614](#_Toc256000779)

[Part F Security of metering installations and energy data 614](#_Toc256000780)

[7A.13 Security of metering installations, energy data and metering data 614](#_Toc256000781)

[7A.13.1 Confidentiality of data 614](#_Toc256000782)

[7A.13.2 Security of metering installations 614](#_Toc256000783)

[7A.13.3 Security controls for energy data 615](#_Toc256000784)

[7A.13.4 Additional security controls for type 4 metering installations 616](#_Toc256000785)

[7A.13.5 Access to data 617](#_Toc256000786)

[Schedule 7A.1 Metering register 618](#_Toc256000787)

[S7A.1.1 General 618](#_Toc256000788)

[S7A.1.2 Metering register information 619](#_Toc256000789)

[S7A.1.3 Communication guideline 619](#_Toc256000790)

[Schedule 7A.2 Metering provider 619](#_Toc256000791)

[Schedule 7A.3 Metering data provider 619](#_Toc256000792)

[Schedule 7A.4 Types and accuracy of metering installations 619](#_Toc256000793)

[S7A.4.1 General requirements 619](#_Toc256000794)

[S7A.4.2 Accuracy requirements for metering installations 620](#_Toc256000795)

[S7A.4.3 Check metering 624](#_Toc256000796)

[S7A.4.4 Resolution and accuracy of displayed or captured data 625](#_Toc256000797)

[S7A.4.5 General design standards 626](#_Toc256000798)

[S7A.4.5.1 Design requirements 626](#_Toc256000799)

[S7A.4.5.2 Design guidelines 626](#_Toc256000800)

[Schedule 7A.5 Metering functionality requirements for type 1, 2, 3 and 4 metering requirements 627](#_Toc256000801)

[S7A.5.1 Introduction 627](#_Toc256000802)

[S7A.5.1.1 Purpose 627](#_Toc256000803)

[S7A.5.1.2 Definitions 627](#_Toc256000804)

[S7A.5.2 Functionality Requirements for Meters in Type 1, 2, and 3 metering installations 627](#_Toc256000805)

[S7A.5.2.1 Application 627](#_Toc256000806)

[S7A.5.2.2 Applicable meter configurations 628](#_Toc256000807)

[S7A.5.2.3 Metrology 628](#_Toc256000808)

[S7A.5.3 Functionality Requirements for Meters in Type 4 metering installations 628](#_Toc256000809)

[S7A.5.3.1 Application 628](#_Toc256000810)

[S7A.5.3.2 Applicable meter configurations 628](#_Toc256000811)

[S7A.5.3.3 Metrology 629](#_Toc256000812)

[S7A.5.3.4 Remote and local reading of meters 629](#_Toc256000813)

[S7A.5.3.5 Supply disconnection and reconnection 630](#_Toc256000814)

[S7A.5.3.5.1 General requirements 630](#_Toc256000815)

[S7A.5.3.5.2 Disconnection 630](#_Toc256000816)

[S7A.5.3.5.3 Reconnection 630](#_Toc256000817)

[S7A.5.3.6 Time clock synchronisation 631](#_Toc256000818)

[S7A.5.3.7 Quality of Supply and other event recording 631](#_Toc256000819)

[S7A.5.3.8 Tamper detection 632](#_Toc256000820)

[S7A.5.3.9 Communications and data security 632](#_Toc256000821)

[S7A.5.3.10 Remote firmware upgrades 632](#_Toc256000822)

[S7A.5.3.11 Remote arming 632](#_Toc256000823)

[Schedule 7A.6 Inspection and testing requirements 632](#_Toc256000824)

[S7A.6.1 General 632](#_Toc256000825)

[S7A.6.2 Technical guidelines 634](#_Toc256000826)

[Schedule 7A.7 Metrology procedure 635](#_Toc256000827)

[Part A ​ 635](#_Toc256000828)

[S7A.7.1 Introduction 635](#_Toc256000829)

[S7A.7.1.1 General 635](#_Toc256000830)

[S7A.7.1.2 Definitions 635](#_Toc256000831)

[S7A.7.1.3 Relevant retailer 636](#_Toc256000832)

[Part B ​ 636](#_Toc256000833)

[S7A.7.2 Purpose and scope 636](#_Toc256000834)

[S7A.7.2.1 Purpose 636](#_Toc256000835)

[S7A.7.2.2 Scope 637](#_Toc256000836)

[S7A.7.3 Metering provision 637](#_Toc256000837)

[S7A.7.3.1 Responsibility for metering provision 637](#_Toc256000838)

[S7A.7.3.2 Metering installation components 637](#_Toc256000839)

[S7A.7.3.3 Use of optical ports and pulse outputs 638](#_Toc256000840)

[S7A.7.3.4 Load control equipment 639](#_Toc256000841)

[S7A.7.3.5 Data storage requirements for meters 639](#_Toc256000842)

[S7A.7.3.6 Metering installation clock 639](#_Toc256000843)

[S7A.7.3.7 Interval meters 639](#_Toc256000844)

[S7A.7.3.8 Alarm settings 640](#_Toc256000845)

[S7A.7.3.9 Summation metering 640](#_Toc256000846)

[S7A.7.3.10 ​ 640](#_Toc256000847)

[S7A.7.3.11 Routine testing and inspection of metering installations 640](#_Toc256000848)

[S7A.7.3.12 Requests for testing type 1 – 6 metering installations 641](#_Toc256000849)

[S7A.7.4 Installation of meters and de-commissioning 642](#_Toc256000850)

[S7A.7.4.1 General installation requirements 642](#_Toc256000851)

[S7A.7.4.2 Type 4A, 5 and 6 metering installations 642](#_Toc256000852)

[S7A.7.4.3 Preliminary de-commissioning and removal of metering equipment requirements 642](#_Toc256000853)

[S7A.7.4.4 ​ 642](#_Toc256000854)

[S7A.7.5 ​ 643](#_Toc256000855)

[S7A.7.6 Responsibility for metering data services 643](#_Toc256000856)

[S7A.7.6.1 Metering data storage 643](#_Toc256000857)

[S7A.7.6.2 Verification of metering data for type 4, 4A, 5, 6 and 7 installations 643](#_Toc256000858)

[S7A.7.6.3 Metering installation type 7 – sample testing 644](#_Toc256000859)

[S7A.7.6.4 Request for text of calculated metering data 645](#_Toc256000860)

[S7A.7.6.5 NTESMO's metering data substitution obligations 646](#_Toc256000861)

[Part C ​ 646](#_Toc256000862)

[S7A.7.7 Purpose and scope 646](#_Toc256000863)

[S7A.7.7.1 Purpose 646](#_Toc256000864)

[S7A.7.7.2 Scope 646](#_Toc256000865)

[S7A.7.8 Principles for validation, substitution and estimation 646](#_Toc256000866)

[S7A.7.8.1 General validation, substitution and estimation requirements 646](#_Toc256000867)

[S7A.7.8.2 Substitution requirements 646](#_Toc256000868)

[S7A.7.8.3 Estimation requirement 647](#_Toc256000869)

[S7A.7.8.4 Metering data quality flags 648](#_Toc256000870)

[S7A.7.8.5 Final substitution 648](#_Toc256000871)

[S7A.7.9 Substitution for acquisition of metering data from remotely read metering installations 649](#_Toc256000872)

[S7A.7.9.1 Application of S7A.7.9 649](#_Toc256000873)

[S7A.7.9.2 Substitution rules 649](#_Toc256000874)

[S7A.7.9.3 Substitution types 651](#_Toc256000875)

[S7A.7.10 Substitution and estimation for manually read interval metering installations 654](#_Toc256000876)

[S7A.7.10.1 Application of S7A7.10 654](#_Toc256000877)

[S7A.7.10.2 Substitution and estimation rules 654](#_Toc256000878)

[S7A.7.10.3 Substitution and estimation types 655](#_Toc256000879)

[S7A.7.11 Substitution and estimation for metering installations with accumulated metering data 657](#_Toc256000880)

[S7A.7.11.1 Substitution and estimation rules 657](#_Toc256000881)

[S7A.7.11.2 Substitution and estimation types 659](#_Toc256000882)

[S7A.7.12 Substitution and estimation for calculated metering data 660](#_Toc256000883)

[S7A.7.12.1 Substitution rules 660](#_Toc256000884)

[S7A.7.12.2 Substitution and estimation types 661](#_Toc256000885)

[S7A.7.13 Data validation requirements 662](#_Toc256000886)

[S7A.7.13.1 Validation requirements for all metering installations 662](#_Toc256000887)

[S7A.7.13.2 Validation of interval metering data alarms 662](#_Toc256000888)

[S7A.7.13.3 Validation within the meter reading process for manually read metering installations 663](#_Toc256000889)

[S7A.7.13.4 Validation as part of the registration process 663](#_Toc256000890)

[S7A.7.13.5 Validation of metering data 664](#_Toc256000891)

[S7A.7.14 Determination of metering data for unmetered loads 670](#_Toc256000892)

[S7A.7.14.1 Load table 670](#_Toc256000893)

[S7A.7.14.2 Controlled unmetered devices 671](#_Toc256000894)

[S7A.7.14.3 Uncontrolled unmetered devices 675](#_Toc256000895)

[Schedule 7A.8 Service level procedures 676](#_Toc256000896)

[Part A Introduction 676](#_Toc256000897)

[S7A.8.1 Introduction 676](#_Toc256000898)

[S7A.8.1.1 Purpose and scope 676](#_Toc256000899)

[S7A.8.1.2 Definitions 676](#_Toc256000900)

[Part B Metering provider services 677](#_Toc256000901)

[S7A.8.2 Introduction 677](#_Toc256000902)

[S7A.8.2.1 Purpose and exclusions 677](#_Toc256000903)

[S7A.8.2.2 Services 677](#_Toc256000904)

[S7A.8.3 General requirements 677](#_Toc256000905)

[S7A.8.3.1 Metering Provider capability and competency 677](#_Toc256000906)

[S7A.8.3.2 Use of contractors 678](#_Toc256000907)

[S7A.8.3.3 Insurance 678](#_Toc256000908)

[S7A.8.4 Device management and test equipment 679](#_Toc256000909)

[S7A.8.4.1 Procurement 679](#_Toc256000910)

[S7A.8.4.2 Storage, handling and transport 679](#_Toc256000911)

[S7A.8.4.3 Management of test equipment 679](#_Toc256000912)

[S7A.8.4.4 Management of meter programming and authorised software 680](#_Toc256000913)

[S7A.8.5 Installation and commissioning requirements 680](#_Toc256000914)

[S7A.8.5.1 General commissioning requirements 680](#_Toc256000915)

[S7A.8.5.2 Metering data validation requirements 681](#_Toc256000916)

[S7A.8.6 Metering installation maintenance 682](#_Toc256000917)

[S7A.8.6.1 Test plans 682](#_Toc256000918)

[S7A.8.6.2 Management of metering installation malfunctions 682](#_Toc256000919)

[S7A.8.6.3 Telecommunications 682](#_Toc256000920)

[S7A.8.6.4 Non-conforming test results or calibrations 683](#_Toc256000921)

[S7A.8.7 Systems and administration 683](#_Toc256000922)

[S7A.8.7.1 Register of metering installations 683](#_Toc256000923)

[S7A.8.7.2 Disaster recovery 684](#_Toc256000924)

[S7A.8.7.3 Audits undertaken by the Utilities Commission 684](#_Toc256000925)

[Part C Metering Data Provider services 684](#_Toc256000926)

[S7A.8.8 Introduction 684](#_Toc256000927)

[S7A.8.8.1 Purpose 684](#_Toc256000928)

[S7A.8.8.2 Obligations 685](#_Toc256000929)

[S7A.8.9 Service requirements 687](#_Toc256000930)

[S7A.8.9.1 System requirements 687](#_Toc256000931)

[S7A.8.9.2 Metering data services database 688](#_Toc256000932)

[S7A.8.9.3 Exception reports 688](#_Toc256000933)

[S7A.8.9.4 Collection process requirements 688](#_Toc256000934)

[S7A.8.9.5 Specific collection process requirements for remotely read metering installations 689](#_Toc256000935)

[S7A.8.9.6 Specific collection process requirements for manually read metering installations 689](#_Toc256000936)

[S7A.8.9.7 Metering data processing requirements 690](#_Toc256000937)

[S7A.8.9.8 Specific metering data processing requirements for type 1, 2, 3 and 4 metering installations 691](#_Toc256000938)

[S7A.8.9.9 Specific metering data processing requirements for type 7 metering installations 691](#_Toc256000939)

[S7A.8.9.10 Specific metering data estimation requirements for manually read and type 7 metering installations 692](#_Toc256000940)

[S7A.8.9.11 Delivery performance requirements for metering data 692](#_Toc256000941)

[S7A.8.10 Data management following the alteration of type of metering installation at a connection point 694](#_Toc256000942)

[S7A.8.10.1 Meter churn scenarios 694](#_Toc256000943)

[S7A.8.10.2 Scenario 1 695](#_Toc256000944)

[S7A.8.10.3 Scenario 2 695](#_Toc256000945)

[S7A.8.10.4 Scenario 3 695](#_Toc256000946)

[S7A.8.10.5 Scenario 4 695](#_Toc256000947)

[S7A.8.11 System architecture and administration 696](#_Toc256000948)

[S7A.8.11.1 Metering data archival and recovery 696](#_Toc256000949)

[S7A.8.11.2 Data backup 697](#_Toc256000950)

[S7A.8.11.3 Disaster recovery 697](#_Toc256000951)

[S7A.8.11.4 System administration and data management 698](#_Toc256000952)

[S7A.8.12 Quality control 698](#_Toc256000953)

[S7A.8.12.1 Audits 698](#_Toc256000954)

[S7A.8.12.2 Corrective action 699](#_Toc256000955)

[S7A.8.13.1 Administration 699](#_Toc256000956)

[S7A.8.13.2 Quality systems 700](#_Toc256000957)

[8. Administrative Functions 703](#_Toc256000958)

[Part A Introductory 703](#_Toc256000959)

[8.1 Administrative functions 703](#_Toc256000960)

[8.1.1 [Deleted] 703](#_Toc256000961)

[8.1.2 [Deleted] 703](#_Toc256000962)

[8.1.3 Structure of this Chapter 703](#_Toc256000963)

[Part B Disputes 703](#_Toc256000964)

[Part C Registered Participants' confidentiality obligations 704](#_Toc256000965)

[8.6 Confidentiality 704](#_Toc256000966)

[8.6.1 Confidentiality 704](#_Toc256000967)

[8.6.1A Application 705](#_Toc256000968)

[8.6.2 Exceptions 705](#_Toc256000969)

[8.6.3 Conditions 706](#_Toc256000970)

[8.6.4 [Deleted] 707](#_Toc256000971)

[8.6.5 Indemnity to AER, AEMC and AEMO 707](#_Toc256000972)

[8.6.6 AEMO information 707](#_Toc256000973)

[8.6.7 Information on Rules Bodies 707](#_Toc256000974)

[Part D Monitoring and reporting 707](#_Toc256000975)

[8.7 Monitoring and Reporting 707](#_Toc256000976)

[8.7.1 Monitoring 707](#_Toc256000977)

[8.7.2 Reporting requirements and monitoring standards for Registered Participants 708](#_Toc256000978)

[8.7.3 Consultation required for making general regulatory information order (Section 28H of the NEL) 710](#_Toc256000979)

[8.7.4 Preparation of network service provider performance report (Section 28V of the NEL) 711](#_Toc256000980)

[8.7.5 [Deleted] 711](#_Toc256000981)

[8.7.6 Recovery of reporting costs 711](#_Toc256000982)

[Part E Reliability panel 712](#_Toc256000983)

[8.8 Reliability Panel 712](#_Toc256000984)

[8.8.1 Purpose of Reliability Panel 712](#_Toc256000985)

[8.8.2 Constitution of the Reliability Panel 713](#_Toc256000986)

[8.8.3 Reliability Panel review process 715](#_Toc256000987)

[8.8.4 Determination of protected events 718](#_Toc256000988)

[Part F Rules consultation procedures 719](#_Toc256000989)

[8.9 Rules Consultation Procedures 719](#_Toc256000990)

[Part G Consumer advocacy funding 721](#_Toc256000991)

[8.10 Consumer advocacy funding obligation 722](#_Toc256000992)

[Part H Augmentations 722](#_Toc256000993)

[8.11 Augmentations 722](#_Toc256000994)

[8.11.1 Application 722](#_Toc256000995)

[8.11.2 Object 722](#_Toc256000996)

[8.11.3 Definitions 723](#_Toc256000997)

[8.11.4 Planning criteria 723](#_Toc256000998)

[8.11.5 Construction of augmentation that is not a contestable augmentation 724](#_Toc256000999)

[8.11.6 Contestable augmentations 724](#_Toc256001000)

[8.11.7 Construction and operation of contestable augmentation 725](#_Toc256001001)

[8.11.8 Funded augmentations that are not subject to the tender process 726](#_Toc256001002)

[8.11.9 Contractual requirements and principles 727](#_Toc256001003)

[8.11.10 Annual planning review 727](#_Toc256001004)

[Schedule 8.11 Principles to be reflected in agreements relating to contestable augmentations 728](#_Toc256001005)

[S8.11.1 Risk allocation 728](#_Toc256001006)

[S8.11.2 Minimum requirements for agreements relating to contestable augmentation 729](#_Toc256001007)

[S8.11.3 Matters to be dealt with in relevant agreements 729](#_Toc256001008)

[Part I Values of customer reliability 730](#_Toc256001009)

[8.12 Development of methodology and publication of values of customer reliability 730](#_Toc256001010)

[8A. Participant Derogations 735](#_Toc256001011)

[Part 1 Derogations Granted to TransGrid 735](#_Toc256001012)

[8A.1 [Deleted] 735](#_Toc256001013)

[Part 2 Derogations Granted to EnergyAustralia 735](#_Toc256001014)

[8A.2 [Deleted] 735](#_Toc256001015)

[8A.2A [Deleted] 735](#_Toc256001016)

[Part 3 [Deleted] 735](#_Toc256001017)

[Part 4 [Deleted] 735](#_Toc256001018)

[Part 5 [Deleted] 735](#_Toc256001019)

[Part 6 Derogations Granted to Victorian Market Participants 735](#_Toc256001020)

[Part 7 [Deleted] 736](#_Toc256001021)

[Part 8 [Deleted] 736](#_Toc256001022)

[Part 9 [Deleted] 736](#_Toc256001023)

[Part 10 [Deleted] 736](#_Toc256001024)

[Part 11 [Deleted] 736](#_Toc256001025)

[Part 12 [Deleted] 736](#_Toc256001026)

[Part 13 Derogation granted to Aurora Energy (Tamar Valley) Pty Ltd 736](#_Toc256001027)

[8A.13 [Deleted] 736](#_Toc256001028)

[Part 14 Derogations granted to Ausgrid, Endeavour Energy and Essential Energy 736](#_Toc256001029)

[8A.14 Derogations from Chapter 6 for the current regulatory control period and subsequent regulatory control period 736](#_Toc256001030)

[8A.14.1 Definitions 736](#_Toc256001031)

[8A.14.2 Expiry date 740](#_Toc256001032)

[8A.14.3 Application of Rule 8A.14 740](#_Toc256001033)

[8A.14.4 Recovery of revenue across the current regulatory control period and subsequent regulatory control period 741](#_Toc256001034)

[8A.14.5 Recovery of revenue in subsequent regulatory control period only and no reopening of subsequent distribution determination required 742](#_Toc256001035)

[8A.14.6 Recovery of revenue in subsequent regulatory control period only and reopening of distribution determination is required 743](#_Toc256001036)

[8A.14.7 Requirements for adjustment determination 744](#_Toc256001037)

[8A.14.8 Application of Chapter 6 under participant derogation 745](#_Toc256001038)

[Part 15 Derogations granted to ActewAGL 746](#_Toc256001039)

[8A.15 Derogations from Chapter 6 for the current regulatory control period and subsequent regulatory control period 746](#_Toc256001040)

[8A.15.1 Definitions 746](#_Toc256001041)

[8A.15.2 Expiry date 750](#_Toc256001042)

[8A.15.3 Application of Rule 8A.15 750](#_Toc256001043)

[8A.15.4 Recovery of revenue across the current regulatory control period and subsequent regulatory control period 750](#_Toc256001044)

[8A.15.5 Recovery of revenue in subsequent regulatory control period only and no reopening of subsequent distribution determination required 752](#_Toc256001045)

[8A.15.6 Recovery of revenue in subsequent regulatory control period only and reopening of distribution determination is required 753](#_Toc256001046)

[8A.15.7 Requirements for adjustment determination 755](#_Toc256001047)

[8A.15.8 Application of Chapter 6 under participant derogation 755](#_Toc256001048)

[9. Jurisdictional Derogations and Transitional Arrangements 761](#_Toc256001049)

[9.1 Purpose and Application 761](#_Toc256001050)

[9.1.1 Purpose 761](#_Toc256001051)

[9.1.2 Jurisdictional Derogations 761](#_Toc256001052)

[Part A Jurisdictional Derogations for Victoria 761](#_Toc256001053)

[9.2 [Deleted] 761](#_Toc256001054)

[9.3 Definitions 761](#_Toc256001055)

[9.3.1 General Definitions 761](#_Toc256001056)

[9.3.2 [Deleted] 762](#_Toc256001057)

[9.3A Fault levels 762](#_Toc256001058)

[9.4 Transitional Arrangements for Chapter 2 - Registered Participants, Registration and Cross Border Networks 763](#_Toc256001059)

[9.4.1 [Deleted] 763](#_Toc256001060)

[9.4.2 Smelter Trader 763](#_Toc256001061)

[9.4.3 Smelter Trader: compliance 764](#_Toc256001062)

[9.4.4 Report from AER 766](#_Toc256001063)

[9.4.5 Cross Border Networks 766](#_Toc256001064)

[9.5 Transitional Arrangements for Chapter 3 – Reliability and Emergency Reserve Trader 767](#_Toc256001065)

[9.5.1 Definition 767](#_Toc256001066)

[9.5.2 Expiry date 767](#_Toc256001067)

[9.5.3 Multi-year Victorian contracts – term and volume 767](#_Toc256001068)

[9.5.4 Multi-year Victorian contracts - reporting 768](#_Toc256001069)

[9.6 Transitional Arrangements for Chapter 4 - System Security 769](#_Toc256001070)

[9.6.1 Operating Procedures (clause 4.10.1) 769](#_Toc256001071)

[9.6.2 Nomenclature Standards (clause 4.12) 769](#_Toc256001072)

[9.7 Transitional Arrangements for Chapter 5 - Network Connection 769](#_Toc256001073)

[9.7.1 [Deleted] 769](#_Toc256001074)

[9.7.2 [Deleted] 769](#_Toc256001075)

[9.7.3 [Deleted] 769](#_Toc256001076)

[9.7.4 Regulation of Distribution Network Connection 769](#_Toc256001077)

[9.7.5 [Deleted] 770](#_Toc256001078)

[9.7.6 [Deleted] 770](#_Toc256001079)

[9.7.7 [Deleted] 770](#_Toc256001080)

[9.8 Transitional Arrangements for Chapter 6 - Network Pricing 770](#_Toc256001081)

[9.8.1 [Deleted] 770](#_Toc256001082)

[9.8.2 [Deleted] 770](#_Toc256001083)

[9.8.3 [Deleted] 770](#_Toc256001084)

[9.8.4 Transmission Network Pricing 770](#_Toc256001085)

[9.8.4A [Deleted] 772](#_Toc256001086)

[9.8.4B [Deleted] 772](#_Toc256001087)

[9.8.4C [Deleted] 772](#_Toc256001088)

[9.8.4D [Deleted] 772](#_Toc256001089)

[9.8.4E [Deleted] 772](#_Toc256001090)

[9.8.4F [Deleted] 772](#_Toc256001091)

[9.8.4G [Deleted] 772](#_Toc256001092)

[9.8.5 [Deleted] 772](#_Toc256001093)

[9.8.6 [Deleted] 772](#_Toc256001094)

[9.8.7 Distribution network pricing – transitional application of former Chapter 6 772](#_Toc256001095)

[9.8.8 Exclusion of AER's power to aggregate distribution systems and parts of distribution systems 773](#_Toc256001096)

[9.9 Transitional Arrangements for Chapter 7 - Metering 773](#_Toc256001097)

[9.9.1 Metering Installations To Which This Schedule Applies 773](#_Toc256001098)

[9.9.2 [Deleted] 774](#_Toc256001099)

[9.9.3 [Deleted] 774](#_Toc256001100)

[9.9.4 [Deleted] 774](#_Toc256001101)

[9.9.5 [Deleted] 774](#_Toc256001102)

[9.9.6 [Deleted] 774](#_Toc256001103)

[9.9.7 [Deleted] 774](#_Toc256001104)

[9.9.8 [Deleted] 774](#_Toc256001105)

[9.9.9 Periodic Energy Metering (clause 7.9.3) 774](#_Toc256001106)

[9.9.10 Use of Alternate Technologies (clause 7.13) 774](#_Toc256001107)

[9.9A [Deleted] 775](#_Toc256001108)

[9.9B [Deleted] 775](#_Toc256001109)

[9.9C [Deleted] 775](#_Toc256001110)

[1. Interpretation of tables 775](#_Toc256001111)

[2. Continuing effect 775](#_Toc256001112)

[3. Subsequent agreement 776](#_Toc256001113)

[4. [Deleted] 776](#_Toc256001114)

[5. Reactive Power Capability (clause S5.2.5.1 of schedule 5.2) 776](#_Toc256001115)

[6. [Deleted] 777](#_Toc256001116)

[7. [Deleted] 777](#_Toc256001117)

[8. [Deleted] 777](#_Toc256001118)

[9. [Deleted] 777](#_Toc256001119)

[10. [Deleted] 777](#_Toc256001120)

[11. [Deleted 777](#_Toc256001121)

[12. [Deleted] 777](#_Toc256001122)

[13. Governor Systems (load control) (clause S5.2.5.11 of schedule 5.2) 777](#_Toc256001123)

[14. [Deleted] 777](#_Toc256001124)

[15. [Deleted] 777](#_Toc256001125)

[16. Excitation Control System (clause S5.2.5.13 of schedule 5.2) 777](#_Toc256001126)

[Part B Jurisdictional Derogations for New South Wales 778](#_Toc256001127)

[9.10 [Deleted] 778](#_Toc256001128)

[9.11 Definitions 778](#_Toc256001129)

[9.11.1 Definitions used in this Part B 778](#_Toc256001130)

[9.12 Transitional Arrangements for Chapter 2 - Generators, Registered Participants, Registration and Cross Border Networks 779](#_Toc256001131)

[9.12.1 [Deleted] 779](#_Toc256001132)

[9.12.2 Customers 779](#_Toc256001133)

[9.12.3 Power Traders 779](#_Toc256001134)

[9.12.4 Cross Border Networks 782](#_Toc256001135)

[9.13 [Deleted] 783](#_Toc256001136)

[9.14 Transitional Arrangements for Chapter 4 - System Security 783](#_Toc256001137)

[9.14.1 Power System Operating Procedures 783](#_Toc256001138)

[9.15 NSW contestable services for Chapter 5A 783](#_Toc256001139)

[9.15.1 Definitions 783](#_Toc256001140)

[9.15.2 Chapter 5A not to apply to certain contestable services 783](#_Toc256001141)

[9.16 Transitional Arrangements for Chapter 6 - Network Pricing 783](#_Toc256001142)

[9.16.1 NSW contestable services 783](#_Toc256001143)

[9.16.2 [Deleted] 783](#_Toc256001144)

[9.16.3 Jurisdictional Regulator 783](#_Toc256001145)

[9.16.4 Deemed Regulated Interconnector 784](#_Toc256001146)

[9.16.5 [Deleted] 784](#_Toc256001147)

[9.17 Transitional Arrangements for Chapter 7 - Metering 784](#_Toc256001148)

[9.17.1 Extent of Derogations 784](#_Toc256001149)

[9.17.2 Initial Registration (clause 7.1.2) 784](#_Toc256001150)

[9.17.3 Amendments to Schedule 9G1 784](#_Toc256001151)

[9.17.4 Compliance with AS/NZ ISO 9002 (clause S7.4.3(f) of schedule 7.4) 785](#_Toc256001152)

[9.17A [Deleted] 785](#_Toc256001153)

[9.18 [Deleted] 785](#_Toc256001154)

[Part C Jurisdictional Derogations for the Australian Capital Territory 785](#_Toc256001155)

[9.19 [Deleted] 785](#_Toc256001156)

[9.20 Definitions and Transitional Arrangements for Cross-Border Networks 785](#_Toc256001157)

[9.20.1 Definitions 785](#_Toc256001158)

[9.20.2 Cross Border Networks 785](#_Toc256001159)

[9.21 [Deleted] 786](#_Toc256001160)

[9.22 [Deleted] 786](#_Toc256001161)

[9.23 Transitional Arrangements for Chapter 6 - Network Pricing 786](#_Toc256001162)

[9.23.1 [Deleted] 786](#_Toc256001163)

[9.23.2 [Deleted] 786](#_Toc256001164)

[9.23.3 [Deleted 786](#_Toc256001165)

[9.23.4 [Deleted] 786](#_Toc256001166)

[9.24 Transitional Arrangements 786](#_Toc256001167)

[9.24.1 Chapter 7 - Metering 786](#_Toc256001168)

[9.24.2 [Deleted] 786](#_Toc256001169)

[9.24A [Deleted] 786](#_Toc256001170)

[Part D Jurisdictional Derogations for South Australia 786](#_Toc256001171)

[9.25 Definitions 786](#_Toc256001172)

[9.25.1 [Deleted] 786](#_Toc256001173)

[9.25.2 Definitions 786](#_Toc256001174)

[9.26 Transitional Arrangements for Chapter 2 - Registered Participants, Registration And Cross Border Networks 789](#_Toc256001175)

[9.26.1 Registration as a Generator 789](#_Toc256001176)

[9.26.2 Registration as a Customer 790](#_Toc256001177)

[9.26.3 Cross Border Networks 790](#_Toc256001178)

[9.26.4 [Deleted] 790](#_Toc256001179)

[9.26.5 Registration as a Network Service Provider 790](#_Toc256001180)

[9.27 [Deleted] 791](#_Toc256001181)

[9.28 Transitional Arrangements for Chapter 5 - Network Connection 791](#_Toc256001182)

[9.28.1 Application of clause 5.2 791](#_Toc256001183)

[9.28.2 [Deleted] 792](#_Toc256001184)

[9.29 Transitional Arrangements for Chapter 6 - Economic Regulation of Distribution Services 792](#_Toc256001185)

[9.29.1 [Deleted] 792](#_Toc256001186)

[9.29.2 [Deleted] 792](#_Toc256001187)

[9.29.3 [Deleted] 792](#_Toc256001188)

[9.29.4 [Deleted] 792](#_Toc256001189)

[9.29.5 Distribution Network Pricing – South Australia 792](#_Toc256001190)

[9.29.6 Capital contributions, prepayments and financial guarantees 793](#_Toc256001191)

[9.29.7 Ring fencing 793](#_Toc256001192)

[9.29A Monitoring and reporting 793](#_Toc256001193)

[9.30 Transitional Provisions 794](#_Toc256001194)

[9.30.1 Chapter 7 - Metering 794](#_Toc256001195)

[Part E Jurisdictional Derogations for Queensland 794](#_Toc256001196)

[9.31 [Deleted] 794](#_Toc256001197)

[9.32 Definitions and Interpretation 794](#_Toc256001198)

[9.32.1 Definitions 794](#_Toc256001199)

[9.32.2 Interpretation 797](#_Toc256001200)

[9.33 Transitional Arrangements for Chapter 1 797](#_Toc256001201)

[9.33.1 [Deleted] 797](#_Toc256001202)

[9.34 Transitional Arrangements for Chapter 2 - Registered Participants and Registration 797](#_Toc256001203)

[9.34.1 Application of the Rules in Queensland (clauses 2.2 and 2.5) 797](#_Toc256001204)

[9.34.2 Stanwell Cross Border Leases (clause 2.2) 797](#_Toc256001205)

[9.34.3 [Deleted] 797](#_Toc256001206)

[9.34.4 Registration as a Customer (clause 2.3.1) 797](#_Toc256001207)

[9.34.5 There is no clause 9.34.5 798](#_Toc256001208)

[9.34.6 Exempted generation agreements (clause 2.2) 798](#_Toc256001209)

[9.35 [Deleted] 802](#_Toc256001210)

[9.36 [Deleted] 802](#_Toc256001211)

[9.37 Transitional Arrangements for Chapter 5 - Network Connection 802](#_Toc256001212)

[9.37.1 [Deleted] 802](#_Toc256001213)

[9.37.2 Existing connection and access agreements (clause 5.2) 802](#_Toc256001214)

[9.37.3 [Deleted] 803](#_Toc256001215)

[9.37.4 [Deleted] 803](#_Toc256001216)

[9.37.5 Forecasts for connection points to transmission network (clause 5.11.1) 803](#_Toc256001217)

[9.37.6 There is no clause 9.37.6 803](#_Toc256001218)

[9.37.7 Cross Border Networks 803](#_Toc256001219)

[9.37.8 [Deleted] 804](#_Toc256001220)

[9.37.9 Credible contingency events (clause S5.1.2.1 of schedule 5.1) 804](#_Toc256001221)

[9.37.10 Reactive power capability (clause S5.2.5.1 of schedule 5.2) 804](#_Toc256001222)

[9.37.11 [Deleted] 805](#_Toc256001223)

[9.37.12 Voltage fluctuations (clause S5.1.5 of schedule 5.1) 805](#_Toc256001224)

[9.37.13 [Deleted] 807](#_Toc256001225)

[9.37.14 [Deleted] 807](#_Toc256001226)

[9.37.15 [Deleted] 807](#_Toc256001227)

[9.37.16 [Deleted] 807](#_Toc256001228)

[9.37.17 [Deleted] 807](#_Toc256001229)

[9.37.18 [Deleted] 807](#_Toc256001230)

[9.37.19 Generating unit response to disturbances (clause S5.2.5.3 of schedule 5.2) 807](#_Toc256001231)

[9.37.20 [Deleted] 807](#_Toc256001232)

[9.37.21 Excitation control system (clause S.5.2.5.13 of schedule 5.2) 807](#_Toc256001233)

[9.37.22 [Deleted] 808](#_Toc256001234)

[9.37.23 Annual forecast information for planning purposes (schedule 5.7) 808](#_Toc256001235)

[9.38 Transitional Arrangements for Chapter 6 - Network Pricing 808](#_Toc256001236)

[9.38.1 [Deleted] 808](#_Toc256001237)

[9.38.2 [Deleted] 808](#_Toc256001238)

[9.38.3 [Deleted] 808](#_Toc256001239)

[9.38.4 Interconnectors between regions 808](#_Toc256001240)

[9.38.5 Transmission pricing for exempted generation agreements 808](#_Toc256001241)

[9.39 Transitional Arrangements for Chapter 7 - Metering 809](#_Toc256001242)

[9.39.1 Metering installations to which this clause applies 809](#_Toc256001243)

[9.39.2 [Deleted] 810](#_Toc256001244)

[9.39.3 [Deleted] 810](#_Toc256001245)

[9.39.4 [Deleted] 810](#_Toc256001246)

[9.39.5 [Deleted] 810](#_Toc256001247)

[9.40 Transitional Arrangements for Chapter 8 - Administration Functions 810](#_Toc256001248)

[9.40.1 [Deleted] 810](#_Toc256001249)

[9.40.2 [Deleted] 810](#_Toc256001250)

[9.40.3 [Deleted] 810](#_Toc256001251)

[9.41 [Deleted] 810](#_Toc256001252)

[Part F Jurisdictional Derogations for Tasmania 811](#_Toc256001253)

[9.42 Definitions and interpretation 811](#_Toc256001254)

[9.42.1 Definitions 811](#_Toc256001255)

[9.42.2 Interpretation 812](#_Toc256001256)

[9.42.3 National grid, power system and related expressions 812](#_Toc256001257)

[9.43 [Deleted] 813](#_Toc256001258)

[9.44 Transitional arrangements for Chapter 2 – Registered Participants and Registration - Customers (clause 2.3.1(e)) 813](#_Toc256001259)

[9.45 Tasmanian Region (clause 3.5) 813](#_Toc256001260)

[9.47 Transitional arrangements for Chapter 5- Network Connection 813](#_Toc256001261)

[9.47.1 Existing Connection Agreements 813](#_Toc256001262)

[9.48 Transitional arrangements - Transmission and Distribution Pricing 813](#_Toc256001263)

[9.48.4A Ring fencing 813](#_Toc256001264)

[9.48.4B Uniformity of tariffs for small customers 814](#_Toc256001265)

[9.48.5 Transmission network 814](#_Toc256001266)

[9.48.6 Deemed regulated interconnector 814](#_Toc256001267)

[Part G Schedules to Chapter 9 814](#_Toc256001268)

[1. Introduction 814](#_Toc256001269)

[2. [Deleted] 814](#_Toc256001270)

[3. General Principle 814](#_Toc256001271)

[4. [Deleted] 815](#_Toc256001272)

[5. Accuracy Requirements 815](#_Toc256001273)

[6. [Deleted] 815](#_Toc256001274)

[7. [Deleted] 815](#_Toc256001275)

[8. [Deleted] 815](#_Toc256001276)

[9. [Deleted] 815](#_Toc256001277)

[10. [Deleted] 815](#_Toc256001278)

[10. Glossary 819](#_Toc256001279)

[11. Savings and Transitional Rules 941](#_Toc256001280)

[Part ZZJ Demand management incentive scheme 941](#_Toc256001281)

[11.82 Rules consequential on making of the National Electricity Amendment (Demand management incentive scheme) Rule 2015 941](#_Toc256001282)

[11.82.1 Definitions 941](#_Toc256001283)

[11.82.2 AER to develop and publish the demand management incentive scheme and demand management innovation allowance mechanism 941](#_Toc256001284)

[Part ZZM Common definitions of distribution reliability measures 941](#_Toc256001285)

[11.85 Rules consequential on the making of the National Electricity Amendment (Common definitions of distribution reliability measures) Rule 2015 941](#_Toc256001286)

[11.85.1 Definitions 941](#_Toc256001287)

[11.85.2 Distribution reliability measures guidelines 942](#_Toc256001288)

[11.85.3 Amended STPIS 942](#_Toc256001289)

[11.86.8 Distribution Ring Fencing Guidelines 942](#_Toc256001290)

[Part ZZU Rate of Return Guidelines Review 942](#_Toc256001291)

[11.93 Rules consequential on the making of the National Electricity Amendment (Rate of Return Guidelines Review) Rule 2016 942](#_Toc256001292)

[11.93.1 Definitions 942](#_Toc256001293)

[11.93.2 Application of current rate of return guidelines to making of a distribution determination for the subsequent regulatory control period 943](#_Toc256001294)

[Part ZZV Demand Response Mechanism and Ancillary Services Unbundling 944](#_Toc256001295)

[11.94 Rules consequential on the making of the National Electricity Amendment (Demand Response Management and Ancillary Services Unbundling) rule 2016 944](#_Toc256001296)

[11.94.1 Definitions 944](#_Toc256001297)

[11.94.2 Participant fees for Market Ancillary Service Providers 944](#_Toc256001298)

[Part ZZW Local Generation Network Credits 944](#_Toc256001299)

[11.95 Rules consequential on the making of the National Electricity Amendment (Local Generation Network Credits) Rule 2016 944](#_Toc256001300)

[11.95.1 Definitions 944](#_Toc256001301)

[11.95.2 System limitation template 944](#_Toc256001302)

[Part ZZY Emergency Frequency Control Schemes 945](#_Toc256001303)

[11.97 Rules consequent on the making of the National Electricity Amendment (Emergency frequency control schemes) Rule 2017 945](#_Toc256001304)

[11.97.1 Definitions 945](#_Toc256001305)

[11.97.2 Interim frequency operating standards for protected events 945](#_Toc256001306)

[11.97.3 First power system frequency risk review 946](#_Toc256001307)

[11.97.4 AEMO must review existing load shedding procedures 946](#_Toc256001308)

[11.97.5 Load shedding procedures 946](#_Toc256001309)

[Part ZZZ Transmission Connection and Planning Arrangements 947](#_Toc256001310)

[11.98 Rules consequential on the making of the National Electricity Amendment (Transmission Connection and Planning Arrangements) Rule 2017 947](#_Toc256001311)

[11.98.1 Definitions 947](#_Toc256001312)

[11.98.2 Grandfathering of existing dedicated connection assets 948](#_Toc256001313)

[11.98.3 Preparatory steps for registration changes under the Amending Rule 948](#_Toc256001314)

[11.98.4 Participant fees for Dedicated Connection Asset Service Providers 949](#_Toc256001315)

[11.98.5 Existing Connection Agreements 949](#_Toc256001316)

[11.98.6 Connection process 949](#_Toc256001317)

[11.98.7 Transmission Annual Planning Report 950](#_Toc256001318)

[11.98.8 Preservation for adoptive jurisdictions 950](#_Toc256001319)

[Part ZZZA Replacement expenditure planning arrangements 950](#_Toc256001320)

[11.99 Rules consequential on the making of the National Electricity Amendment (Replacement expenditure planning arrangements) Rule 2017 950](#_Toc256001321)

[11.99.1 Definitions 950](#_Toc256001322)

[11.99.3 Transitional arrangements for affected DNSPs 951](#_Toc256001323)

[11.99.4 Amendments to RIT documentation 952](#_Toc256001324)

[11.99.5 Transitional arrangements relating to excluded projects 952](#_Toc256001325)

[11.99.6 Transitional arrangements relating to Victorian bushfire mitigation projects 952](#_Toc256001326)

[11.99.7 Transitional arrangements relating to review of costs thresholds 953](#_Toc256001327)

[Part ZZZB Managing the rate of change of power system frequency 953](#_Toc256001328)

[11.100 Rules consequential on the making of the National Electricity Amendment (Managing the rate of change of power system frequency) Rule 2017 953](#_Toc256001329)

[11.100.1 Definitions 953](#_Toc256001330)

[11.100.2 Inertia sub-networks 954](#_Toc256001331)

[11.100.3 Inertia requirements methodology 954](#_Toc256001332)

[11.100.4 Inertia requirements 954](#_Toc256001333)

[11.100.5 NSCAS not to be used to meet an inertia shortfall after 1 July 2019 955](#_Toc256001334)

[11.100.6 Inertia network services may be used to meet an NSCAS gap declared in the NSCAS transition period 955](#_Toc256001335)

[11.100.7 Inertia network services made available before the commencement date 956](#_Toc256001336)

[Part ZZZC Managing power system fault levels 956](#_Toc256001337)

[11.101 Rules consequential on the making of the National Electricity Amendment (Managing power system fault levels) Rule 2017 956](#_Toc256001338)

[11.101.1 Definitions 956](#_Toc256001339)

[11.101.2 System strength impact assessment guidelines 957](#_Toc256001340)

[11.101.3 System strength requirements methodology 958](#_Toc256001341)

[11.101.4 System strength requirements 958](#_Toc256001342)

[11.101.5 NSCAS not to be used to meet a fault level shortfall after 1 July 2019 959](#_Toc256001343)

[11.101.6 System strength services may be used to meet an NSCAS gap declared in the NSCAS transition period 959](#_Toc256001344)

[11.101.7 Withdrawal of a system strength-related NSCAS gap already declared 960](#_Toc256001345)

[11.101.8 System strength services made available before the commencement date 960](#_Toc256001346)

[Part ZZZD Generating System Model Guidelines 960](#_Toc256001347)

[11.102 Making of Power System Model Guidelines 960](#_Toc256001348)

[Part ZZZE Five Minute Settlement 960](#_Toc256001349)

[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 960](#_Toc256001350)

[11.103.1 Definitions 960](#_Toc256001351)

[11.103.2 Amendments to procedures 961](#_Toc256001352)

[11.103.3. Exemption for certain metering installations 962](#_Toc256001353)

[11.103.4 New or replacement meters 962](#_Toc256001354)

[11.103.5 Metering installations exempt from metering data provision requirements 963](#_Toc256001355)

[11.103.6 Exemption from meter data storage requirements 963](#_Toc256001356)

[11.103.7 Default offers and bids submitted prior to the commencement date 963](#_Toc256001357)

[Part ZZZF Contestability of energy services 963](#_Toc256001358)

[11.104 Rules consequential on the making of the National Electricity Amendment (Contestability of energy services) Rule 2017 963](#_Toc256001359)

[11.104.1 Definitions 963](#_Toc256001360)

[11.104.2 New guidelines 965](#_Toc256001361)

[11.104.3 Transitional arrangements for application of Distribution Service Classification Guidelines and service classification provisions 965](#_Toc256001362)

[11.104.4 Transitional arrangements for application of Asset Exemption Guidelines, exemption applications and asset exemption decisions 965](#_Toc256001363)

[11.104.5 Transitional arrangements for adjustment in value of regulatory asset base 967](#_Toc256001364)

[Part ZZZG Declaration of lack of reserve conditions 967](#_Toc256001365)

[11.105 Making of lack of reserve declaration guidelines 967](#_Toc256001366)

[11.105.1 Definitions 967](#_Toc256001367)

[11.105.2 Making of lack of reserve declaration guidelines 967](#_Toc256001368)

[Part ZZZH Implementation of demand management incentive scheme 967](#_Toc256001369)

[11.106 Implementation of demand management incentive scheme 967](#_Toc256001370)

[11.106.1 Definitions 967](#_Toc256001371)

[11.106.2 Purpose 968](#_Toc256001372)

[11.106.3 Early application of revised demand management incentive scheme 968](#_Toc256001373)

[Part ZZZI Reinstatement of long notice Reliability and Emergency Reserve Trader 969](#_Toc256001374)

[11.107 Rules consequential on the making of the National Electricity Amendment (Reinstatement of long notice Reliability and Emergency Reserve Trader) Rule 2018 969](#_Toc256001375)

[11.107.1 Definitions 969](#_Toc256001376)

[11.107.2 New RERT guidelines 970](#_Toc256001377)

[11.107.3 Amendments to RERT procedures 973](#_Toc256001378)

[11.107.4 Reserve contracts entered into before the commencement date 973](#_Toc256001379)

[Part ZZZJ Register of distributed energy resources 973](#_Toc256001380)

[11.108 Rules consequential on the making of the National Electricity Amendment (Register of distributed energy resources) Rule 2018 973](#_Toc256001381)

[11.108.1 Definitions 973](#_Toc256001382)

[11.108.2 AEMO to develop and publish DER register information guidelines 974](#_Toc256001383)

[11.108.3 NSPs to provide AEMO with existing DER generation information 974](#_Toc256001384)

[Part ZZZK Generator technical performance standards 974](#_Toc256001385)

[11.109 Rules consequential on the making of the National Electricity Amendment (Generator technical performance standards) Rule 2018 974](#_Toc256001386)

[11.109.1 Definitions 974](#_Toc256001387)

[11.109.2 Application of the Amending Rule to existing connection enquiries 975](#_Toc256001388)

[11.109.3 Application of the Amending Rule to existing applications to connect 976](#_Toc256001389)

[11.109.4 Application of the Amending Rule to existing offers to connect 978](#_Toc256001390)

[11.109.5 Application of the Amending Rule to Existing Connection Agreements 978](#_Toc256001391)

[Part ZZZL Generator three year notice of closure 979](#_Toc256001392)

[11.110 Rules consequential on the making of the National Electricity Amendment (Generator three year notice of closure) Rule 2018 979](#_Toc256001393)

[11.110.1 Definitions 979](#_Toc256001394)

[11.110.2 AER to develop and publish notice of closure exemption guideline 979](#_Toc256001395)

[11.110.3 Application of Amending Rule to AEMO 979](#_Toc256001396)

[11.110.4 Application of Amending Rule to Generators 979](#_Toc256001397)

[Part ZZZM Participant compensation following market suspension 980](#_Toc256001398)

[11.111 Rules consequential on the making of the National Electricity Amendment (Participant compensation following market suspension) Rule 2018 980](#_Toc256001399)

[11.111.1 Definitions 980](#_Toc256001400)

[11.111.2 Market suspension compensation methodology and schedule of benchmark values 980](#_Toc256001401)

[Part ZZZN Global settlement and market reconciliation 980](#_Toc256001402)

[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 980](#_Toc256001403)

[11.112.1 Definitions 980](#_Toc256001404)

[11.112.2 Amendments to AEMO procedures 981](#_Toc256001405)

[11.112.3 AEMO to publish report on unaccounted for energy trends 981](#_Toc256001406)

[11.112.4 Continuation of registration for non-market generators 981](#_Toc256001407)

[11.112.5 Publication of UFE data by AEMO 982](#_Toc256001408)

[11.112.6 Publication of UFE reporting guidelines 982](#_Toc256001409)

[Part ZZZO Metering installation timeframes 982](#_Toc256001410)

[11.113 Rules consequential on making of the National Electricity Amendment (Metering installation timeframes) Rule 2018 982](#_Toc256001411)

[11.113.1 Definitions 982](#_Toc256001412)

[11.113.2 Timeframes for meters to be installed 982](#_Toc256001413)

[Part ZZZP Early implementation of ISP priority projects 983](#_Toc256001414)

[11.114 National Electricity Amendment (Early implementation of ISP priority projects) Rule 2019 983](#_Toc256001415)

[11.114.1 Definitions 983](#_Toc256001416)

[11.114.2 Modifications to clause 5.16.6 for ISP VNI and QNI projects 984](#_Toc256001417)

[11.114.3 Modifications to clause 6A.8.2 for ISP projects 985](#_Toc256001418)

[Part ZZZQ Enhancement to the Reliability and Emergency Reserve Trader 987](#_Toc256001419)

[11.115 Rules consequential on the making of the National Electricity Amendment (Enhancement to the reliability and emergency reserve trader) Rule 2019 987](#_Toc256001420)

[11.115.1 Definitions 987](#_Toc256001421)

[11.115.2 New RERT guidelines 988](#_Toc256001422)

[11.115.3 Amendments to RERT procedures 988](#_Toc256001423)

[11.115.4 Reserve contracts entered into before the commencement date 988](#_Toc256001424)

[11.115.5 Clause 3.20.6 (Reporting on RERT by AEMO) 988](#_Toc256001425)

[Part ZZZR Retailer Reliability Obligation 988](#_Toc256001426)

[11.116 Rules consequential on the making of the National Electricity Amendment (Retailer Reliability Obligation) Rule 2019 988](#_Toc256001427)

[11.116.1 Application 988](#_Toc256001428)

[11.116.2 Reliability Instrument Guidelines 989](#_Toc256001429)

[11.116.3 Forecasting Best Practice Guidelines 989](#_Toc256001430)

[11.116.4 Reliability Forecast Guidelines 989](#_Toc256001431)

[11.116.5 AER Opt-in Guidelines 990](#_Toc256001432)

[11.116.6 Contracts and Firmness Guidelines 990](#_Toc256001433)

[11.116.7 Qualifying contracts under interim Contracts and Firmness Guidelines 990](#_Toc256001434)

[11.116.8 Grandfathering arrangements 991](#_Toc256001435)

[11.116.9 Reliability Compliance Procedures and Guidelines 992](#_Toc256001436)

[11.116.10 MLO Guidelines 992](#_Toc256001437)

[11.116.11 Application of Part G, Divisions 2 – 6 (inclusive) 992](#_Toc256001438)

[11.116.12 Interim deeming of MLO generators and MLO groups 993](#_Toc256001439)

[11.116.13 MLO information template 1000](#_Toc256001440)

[11.116.14 Initial MLO register 1000](#_Toc256001441)

[11.116.15 Approved MLO products list 1000](#_Toc256001442)

[11.116.16 Designated MLO exchange 1000](#_Toc256001443)

[11.116.17 Five minute settlement intervals 1000](#_Toc256001444)

[11.116.18 Review by AEMC 1001](#_Toc256001445)

[Part ZZZS Transparency of new projects 1001](#_Toc256001446)

[11.117 Rules consequential on the making of the National Electricity Amendment (Transparency of new projects) Rule 2019 1001](#_Toc256001447)

[11.117.1 Definitions 1001](#_Toc256001448)

[11.117.2 Generation information page 1001](#_Toc256001449)

[11.117.3 Generation information guidelines 1001](#_Toc256001450)

[11.117.4 Provision and use of information 1002](#_Toc256001451)

[Part ZZZT Demand management incentive scheme and innovation allowance for TNSPs 1002](#_Toc256001452)

[11.118 Rules consequential on the making of the National Electricity Amendment (Demand management incentive scheme and innovation allowance for TNSPs) Rule 2019 1002](#_Toc256001453)

[11.118.1 Definitions 1002](#_Toc256001454)

[11.118.2 AER to develop and publish the demand management innovation allowance mechanism 1003](#_Toc256001455)

[Part ZZZU Application of the regional reference node test to the Reliability and Emergency Reserve Trader 1003](#_Toc256001456)

[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 1003](#_Toc256001457)

[11.119.1 Definitions 1003](#_Toc256001458)

[11.119.2 AEMO intervention event in effect on commencement date 1003](#_Toc256001459)

[Part ZZZV Improving Transparency and Extending Duration of MT PASA 1003](#_Toc256001460)

[11.120 Rules consequential on the making of the National Electricity Amendment (Improving transparency and extending duration of MT PASA) Rule 2020 1003](#_Toc256001461)

[11.120.1 AEMOto update spot market operations timetable 1003](#_Toc256001462)

[Part ZZZW Victorian jurisdictional derogation – RERT contracting 1004](#_Toc256001463)

[11.121 Rules consequential on the making of the National Electricity Amendment (Victorian jurisdictional derogation - RERT contracting) Rule 2020 1004](#_Toc256001464)

[11.121.1 Definitions 1004](#_Toc256001465)

[11.121.2 Procedures 1004](#_Toc256001466)

[Part ZZZX Mandatory primary frequency response 1004](#_Toc256001467)

[11.122 Rules consequential on the making of the National Electricity Amendment (Mandatory primary frequency response) Rule 2020 1004](#_Toc256001468)

[11.122.1 Definitions 1004](#_Toc256001469)

[11.122.2 Interim Primary Frequency Response Requirements 1004](#_Toc256001470)

[11.122.3 Action taken prior to commencement 1005](#_Toc256001471)

[Part ZZZY System restart services, standards and testing 1005](#_Toc256001472)

[11.123 Rules consequential on the making of the National Electricity Amendment (System restart services, standards and testing) Rule 2020 1005](#_Toc256001473)

[11.123.1 Definitions 1005](#_Toc256001474)

[11.123.2 SRAS Guideline 1006](#_Toc256001475)

[11.123.3 System restart standard 1006](#_Toc256001476)

[11.123.4 Communication protocols 1006](#_Toc256001477)

[11.123.5 System restart tests 1006](#_Toc256001478)

[Part ZZZZ Introduction of metering coordinator planned interruptions 1007](#_Toc256001479)

[11.124 Rules consequential on the making of the National Electricity Amendment (Introduction of metering coordinator planned interruptions) Rule 2020 1007](#_Toc256001480)

[11.124.1 Definitions 1007](#_Toc256001481)

[11.124.2 Amendments of the metrology procedure 1007](#_Toc256001482)

[11.124.3 Market Settlement and Transfer Solutions Procedures 1007](#_Toc256001483)

[11.124.4 Requirements of the metrology procedure 1007](#_Toc256001484)

[Part ZZZZA Wholesale demand response 1008](#_Toc256001485)

[11.125 Rules consequential on the making of the National Electricity Amendment (Wholesale demand response mechanism) Rule 2020 1008](#_Toc256001486)

[11.125.1 Definitions 1008](#_Toc256001487)

[11.125.2 Wholesale demand response guidelines 1009](#_Toc256001488)

[11.125.3 Baseline methodologies 1009](#_Toc256001489)

[11.125.4 Wholesale demand response participation guidelines 1009](#_Toc256001490)

[11.125.5 Extension of time for registration and aggregation 1009](#_Toc256001491)

[11.125.6 Amendments to AEMO, AER and AEMC documents 1010](#_Toc256001492)

[11.125.7 Amendments to the demand side participation information guidelines 1011](#_Toc256001493)

[11.125.8 Amendment to RERT guidelines 1011](#_Toc256001494)

[11.125.9 Renaming of Market Ancillary Service Providers 1011](#_Toc256001495)

[11.125.10 Wholesale demand response annual reporting 1011](#_Toc256001496)

[Part ZZZZB Integrated System Planning Rules 1012](#_Toc256001497)

[11.126 Rules consequential on the making of the National Electricity Amendment (Integrated System Planning) Rule 2020 1012](#_Toc256001498)

[11.126.1 Definitions 1012](#_Toc256001499)

[11.126.2 2020 Integrated System Plan 1012](#_Toc256001500)

[11.126.3 Existing actionable ISP projects 1013](#_Toc256001501)

[11.126.4 Existing actionable ISP projects at the clause 5.16.6 stage 1013](#_Toc256001502)

[11.126.5 Existing actionable ISP projects prior to the clause 5.16.6 stage 1013](#_Toc256001503)

[11.126.6 Existing RIT-T proponent has published a PSCR but not a PADR 1014](#_Toc256001504)

[11.126.7 Cost Benefit Analysis Guidelines 1014](#_Toc256001505)

[11.126.8 Forecasting Best Practice Guidelines 1014](#_Toc256001506)

[11.126.9 Methodologies and reports 1015](#_Toc256001507)

[11.126.10 AEMC review of ISP framework 1015](#_Toc256001508)

[Part ZZZZC Deferral of network charges 1015](#_Toc256001509)

[11.127 Transitional arrangements made by the National Electricity Amendment (Deferral of network charges) Rule 2020 No. 11 1015](#_Toc256001510)

[11.127.1 Definitions 1015](#_Toc256001511)

[11.127.2 Deferral of payment of network charges 1016](#_Toc256001512)

[11.127.3 Deferral of payment of charges for prescribed transmission services 1017](#_Toc256001513)

[11.127.4 AER reporting 1018](#_Toc256001514)

[11.127.5 Application of this Part 1018](#_Toc256001515)

[Part ZZZZD Interim reliability measure 1019](#_Toc256001516)

[11.128 Rules consequential on the making of the National Electricity Amendment (Interim reliability measure) Rule 2020 1019](#_Toc256001517)

[11.128.1 Definitions 1019](#_Toc256001518)

[11.128.2 Expiry date 1019](#_Toc256001519)

[11.128.3 Application of rule 3.20 1019](#_Toc256001520)

[11.128.4 Reserve contracts for interim reliability reserves 1019](#_Toc256001521)

[11.128.5 Interim reliability reserves – reporting 1021](#_Toc256001522)

[11.128.6 AEMO exercise of RERT 1022](#_Toc256001523)

[11.128.7 RERT guidelines 1022](#_Toc256001524)

[11.128.8 RERT procedures 1023](#_Toc256001525)

[11.128.9 Reliability standard implementation guidelines 1023](#_Toc256001526)

[11.128.10 AEMO preparatory activities 1023](#_Toc256001527)

[11.128.11 Reserve contracts entered into before the commencement date 1023](#_Toc256001528)

[11.128.12 Review by the AEMC 1023](#_Toc256001529)

[Part ZZZZE Removal of intervention hierarchy 1024](#_Toc256001530)

[11.129 Rules consequential on making of the National Electricity Amendment (Removal of intervention hierarchy) Rule 2020 1024](#_Toc256001531)

[11.129.1 Definitions 1024](#_Toc256001532)

[11.129.2 Procedures 1025](#_Toc256001533)

[Part ZZZZF Reallocation of National Transmission Planner costs 1025](#_Toc256001534)

[11.130 Rule consequential on the making of the National Electricity Amendment (Reallocation of National Transmission Planner costs) Rule 2020 1025](#_Toc256001535)

[11.130.1 Allocation of NTP costs 1025](#_Toc256001536)

[Part ZZZZG Transparency of unserved energy calculation 1027](#_Toc256001537)

[11.131 Rules consequential on the making of the National Electricity Amendment (Transparency of unserved energy calculation) Rule 2020 No. 16 1027](#_Toc256001538)

[11.131.1 *AEMO* to update the *reliability standard implementation guidelines* 1027](#_Toc256001539)

[Part ZZZZH Retailer Reliability Obligation trigger 1027](#_Toc256001540)

[11.132 Rules consequential on the making of the National Electricity Amendment (Retailer Reliability Obligation trigger) Rule 2020 1027](#_Toc256001541)

[11.132.1 Definitions 1027](#_Toc256001542)

[11.132.2 Reliability standard 1027](#_Toc256001543)

[11.132.3 AEMO request for a T-3 reliability instrument 1027](#_Toc256001544)

[11.132.4 When a decision by the AER must be made 1027](#_Toc256001545)

[11.132.5 Reliability Forecast Guidelines 1028](#_Toc256001546)

[11.132.6 AEMO preparatory activities 1028](#_Toc256001547)

[11.132.7 AER preparatory activities 1028](#_Toc256001548)

[Part ZZZZI Compensation following directions for services other than energy and market ancillary services 1028](#_Toc256001549)

[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 1028](#_Toc256001550)

[11.133.1 Definitions 1028](#_Toc256001551)

[11.133.2 Compensation process in effect on commencement date 1028](#_Toc256001552)

[11.133.3 Direction in effect on commencement date 1029](#_Toc256001553)

[Part ZZZZJ Prudent discounts in an adoptive jurisdiction 1029](#_Toc256001554)

[11.134 Rules consequential on the making of the National Electricity Amendment (Prudent discounts in an adoptive jurisdiction) Rule 2020 No. 19 1029](#_Toc256001555)

[11.134.1 Definitions 1029](#_Toc256001556)

[11.134.2 Prudent discount application before commencement date 1029](#_Toc256001557)

[Part ZZZZK Technical standards for Distributed Energy Resources 1030](#_Toc256001558)

[11.135 Rules consequential on the making of the National Electricity Amendment (Technical standards for Distributed Energy Resources) Rule 2021 No. 1 1030](#_Toc256001559)

[11.135.1 Definitions 1030](#_Toc256001560)

[11.135.2 Application of the Amending Rule to existing connection applications 1030](#_Toc256001561)

[11.135.3 Application of the Amending Rule to existing offers 1030](#_Toc256001562)

[11.135.4 Application of the Amending Rule to existing connection contracts 1031](#_Toc256001563)

[Part ZZZZL Semi-scheduled generator dispatch obligations 1031](#_Toc256001564)

[11.136 Rules consequential on the making of the National Electricity Amendment (Semi-scheduled generator dispatch obligations) Rule 2021 1031](#_Toc256001565)

[11.136.1 AEMO to update power system operating procedure 1031](#_Toc256001566)

[Part ZZZZM Renewable energy zone planning 1031](#_Toc256001567)

[11.137 Rule consequential on the making of the National Electricity Amendment (Renewable energy zone planning) Rule 2021 1031](#_Toc256001568)

[11.137.1 Definitions 1031](#_Toc256001569)

[11.137.2 Cost pass through for renewable energy zone planning 1031](#_Toc256001570)

[11.137.3 AEMC review of REZ planning rules 1032](#_Toc256001571)

[11A. NT Savings and Transitional Rules 1035](#_Toc256001572)

[Part A Savings and transitional rules for Chapter 5 1035](#_Toc256001573)

[11A.1 Chapter 5 provisions 1035](#_Toc256001574)

[Part B Savings and transitional rules for Chapter 5A 1035](#_Toc256001575)

[11A.2 Model standing offers 1035](#_Toc256001576)

[11A.2.1 Definitions 1035](#_Toc256001577)

[11A.2.2 Extended meaning of some terms 1036](#_Toc256001578)

[11A.2.3 Transitional operation of relevant provisions 1036](#_Toc256001579)

[11A.2.4 Exclusions, qualifications and modifications 1036](#_Toc256001580)

[11A.2.5 References 1037](#_Toc256001581)

[Part C Savings and transitional rules for Chapter 7A 1037](#_Toc256001582)

[11A.3 Existing metering installations 1038](#_Toc256001583)

[11A.4 Testing metering installations 1038](#_Toc256001584)

[11A.5 Metering data services database and related requirements 1039](#_Toc256001585)

[11A.6 Communication guideline 1040](#_Toc256001586)

[11A.7 Timeframes for meters to be installed 1040](#_Toc256001587)