

Clauses and definitions made or amended by the proposed rules

The following table cross references the descriptions of the proposed Rules for Technical Standards for Wind Generation in Attachment A to NEMMCO's request with the proposed drafting in Attachments B and C.

Description of proposed Rules	Amended clauses and definitions
3.1.3 Technical requirements	
either cover non-scheduled generating units, remove technology specific terminology (such as references to synchronous generators), or add technology specific references where this is needed	S5.2.5.1, S5.2.5.9, S5.2.5.10, S5.2.5.11, S5.2.5.13, S5.2.5.14
generally improve the flexibility of the standards through references to generating systems, connection points and auxiliary plant	S5.2.4, S5.2.5.1, S5.2.5.2, S5.2.5.8, S5.2.6.1, S5.2.6.3, S5.2.9
extend the negotiated access framework to those technical requirements that currently cannot be negotiated	S5.1.7, S5.2.5.3, S5.2.5.2, S5.2.5.3A, S5.2.5.3B, S5.2.5.13
remove the existing requirement for partial load rejection, which is not directly applicable to asynchronous generation and covered by other technical requirements (particularly S5.2.5.3 Generating unit response to disturbance in the power system)	S5.2.5.3A, S5.2.5.4
add a new requirement dealing with active power control, to give effect to future market arrangements for management of network flows	S5.2.5.14
3.2.3 Provision and disclosure of information	
clarify power and obligations for provision and disclosure of models for all significant generation installations (larger than 30 MW)	2.9.2(b), 3.13.3(k), 3.13.3(k1), 3.13.3(k2), S5.2.4, 8.6.2(m)
remove technical details from the Rules and require guidelines and procedures to be developed by NEMMCO and NSPs on information to be included in plant models and the form in which it is to be provided	3.13.3(k), schedule 5.5.1, schedule 5.5.2, S5.5.2, S5.5.4, S5.5.7 <i>Generating System Design Data Sheet, Generating System Model Guidelines, Generating System Setting Data Sheet</i>
require the staged disclosure of information commencing at the time of submitting a connection enquiry, which balances the commercial needs of potentially competing projects against the potential for over investment to mitigate against uncertainty	3.13.3(k), (k1), (k2), (k3), 5.3.2(e), 5.3.8, 8.6.2(n)
give NEMMCO and NSPs the authority to require models to be verified through testing, and extend NEMMCO's power to restrict operation of plant if it believes there is a risk to power system security due to inadequate modelling;	5.7.6(a1), (g) & (h)
permit provision of models for significant generation installations (comprised of multiple small units) in an aggregated form, which would preserve confidentiality of models at the generating unit level	S5.2.4
define a 'considered project' as a concurrent generation or network project, which must be assessed in the negotiation of performance standards	5.3.2(e), 5.3.3(b)(1)(i), 5.3.8, <i>considered project</i> , S5.2.5, S5.2.9
3.3.3 Access negotiation and compliance	
provide guidance on the basis for negotiation of technical requirements	5.3.7, S5.2.5
introduce reliability of supply as a basis for negotiated access standards	5.3.4A(a), 5.3.4A(d), <i>reliability</i>
broaden the factors to be considered when assessing impacts of new generation on power transfer capabilities	S5.2.5.12
simplify and clarify the process for performance standards, and narrow the scope of performance standard reassessment for plant that is altered	2.2.1(e), 2.9.2(a) & (d), 5.1.2(a), 5.1.3(b2), 5.2.1(a), 5.2.2(b), 5.2.2(c) & (d), 5.2.5(a), 5.2.5(b) (1) & (2), 5.3.1, 5.3.4A, 5.3.6(e), 5.3.7, 5.3.7A, 5.3.7B, 5.3.9, 5.3.10, 5.4.1, 5.4.2, 5.12, schedule 5.6(c1), <i>access standard, performance standard</i>
permit alteration of performance standards for registered generating plant when parties to the connection agreement and NEMMCO agree;	5.11.3(d)
correct references to 'technical requirements' (or mandatory capability in the case of clause 4.9.2) where 'performance	2.2.1(e), 4.9.2(b) & (b1), 5.3.5(d)(1), 5.7.3(e), 5.12,

Description of proposed Rules	Amended clauses and definitions
standards' would be more appropriate	schedule 5.6(c1)
consolidate all clauses dealing with performance standards – which are currently spread through Chapters 4 and 5 – into one place, Chapter 5	3.11.7(a), 4.1.3(a) & (b), 4.2.5(d), 4.14, 4.15, 5.7.3(a) & (c), 5.10, 5.11, 5.12
3.4.1 Transitional arrangements	5.11, 5.10, <i>performance standards commencement date</i>
3.4.2 Items that could be outside the scope of Rules	schedule 5.5.1, schedule 5.5.2, S5.5.2, S5.5.4, S5.5.7
3.4.3 General omissions and corrections	5.3.3(b), 5.3.6(e), S5.2.3, S5.2.1(d), S5.2.5.9, S5.2.5.13
omit a number of common power system disturbances from the technical requirements	S5.2.5.3C
have some terms that are poorly or not defined	S5.2.5.11, S5.2.5.13, <i>adequately damped, continuous uninterrupted operation, generating system, nameplate rating, nominal voltage, non-scheduled generating system, normal voltage, performance standard, rated active power, scheduled generating system</i>
do not cover people intending to be registered who are not already registered as Generators, Registered Participants or Network Users	5.3.1, 5.3.2(a), 5.4.1, 5.4.2, S5.2.4, 8.6.2(m), <i>Generator</i>