



Electricity Engineers'
Association

**ASSET
MANAGEMENT**

Resilience Guide – RMMAT

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EEA.CO.NZ



RAMMAT

The EEA Resilience Guide contains a section on a self assessment process which asset managers can employ to get a feel for the maturity of their company's maturity in terms of emergency preparedness and overall level of resilience

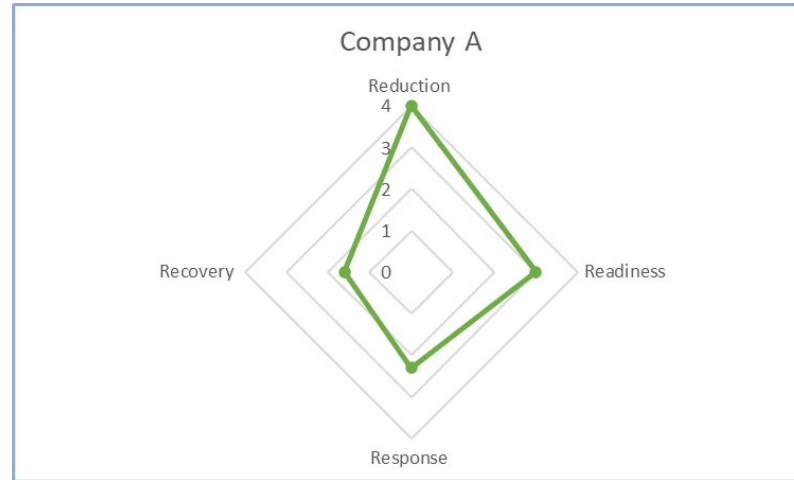
Process

- Process consists of answering a series of specific requirements posed as questions arranged and based on the 4 Rs of emergency preparedness
- It is similar in concept to the AMMAT process currently carried out to provide overall maturity assessment for Network Asset Management Plans
- The degree to which the requirements implicit in these questions are currently being met by a Company are given a score 1-4 depending the degree of compliance with a set of scoring criteria set out in the Guide



Scoring

- Four area to evaluate
 1. Reduction
 2. Readiness
 3. Response
 4. Recovery



Question Scoring Criteria

Score = 0. Not Aware

The organisation has not recognised the need for this requirement and/or there is no evidence of commitment to put it in place.

Score= 1. Aware

The organisation has identified the need for this requirement and there is evidence of intent to progress it.

Score=2 Developing

The organisation has identified the means of systematically and consistently achieving the requirements and can demonstrate that these are being progressed with credible and resourced plans in place.

Score= 3. Competent

The organisation can demonstrate that it systematically and consistently achieves relevant requirements.

Score=4. Excellent

The organisation can demonstrate that it applies continuous improvement to resilience activities, applying learnings and documenting improvements. Employs leading practices Learns from other organisations. Actively involved in the development and improvement of resilience for the community



Reduction assessment Example

Question Number	4 R Function	Question	Evidence Summary	Score 0-4
		Ref : EEA - Resilience Guide	Ref: EEA - Resilience Guide Checklist	
1	Reduction	Are there risk policies, risk assessment processes, identified and documented in the Company AMP disclosures related to the Network assets?	<ul style="list-style-type: none"> • A risk management process is used based on AS/NZS4360:2004 which establish risk categories and risk matrices • Risks identified have been prioritised and published with largest residual top risks reported. • Asset risks related to a major emergency event identified • AMP contains published network risk identification details 	
2	Reduction	Has the Company engaged with its local Lifelines co-ordination Group and determined the likely vulnerabilities of its network assets to natural catastrophes and the interdependencies with other LifeLine Utilities in its region?	<ul style="list-style-type: none"> • Impact of earthquakes has been considered on seismic withstand capability of network buildings and plant and possible tsunami effects. • Liquefaction hazards have been evaluated along with landslide and rockfall effects. • Impact of major weather events -flooding, snow and wind on network assets has been considered. • Lifeline Utilities interdependencies are understood in the Line Company area including the operational relationships with other electricity supply system participants such as Transpower and Generators and also Civil Defence. 	
3	Reduction	Do any of the methods and conclusions of the risk analysis carried out, demonstrate a reasonable consideration of acceptable risks and has this resulted in convincing identification of the top 5 major network risks.?	<ul style="list-style-type: none"> • The probability of occurrence of the risk events are realistic. • The consequences of the event on the supply of electricity is realistically assessed. 	



Final Assessment

- There are currently 26 questions set out in the schedule for the RMMAT assessment.

Maturity Level

Score	Maturity	Rating	Description
85-104	4	Excellence	Using processes and approaches that go beyond the requirements of the reference standard. Pushing the boundaries of asset management development to develop new concepts and ideas
75 - 85	3	Competent	All elements of the reference standard are in place and are being applied and are integrated. Only minor inconsistencies may exist.
40- 74	2	Development	The organisation has a good understanding of the reference standard. It has decided how the elements of the reference standard will be applied and work is progressing on implementation.
0 - 39	1	Awareness	The organisation has a basic understanding of the reference standard.
	0	Learning	It is in the process of deciding how the elements of the reference standard will be applied and has started to apply them.

