

Asset Information Managers' Forum

November 2022

Purpose

1. Develop and agree standards, guidelines and maturity assessment for managing asset information.
2. Hold an annual workshop to understand how other asset information managers from electricity generation, transmission and distribution are dealing with challenges that are common across the industry.
3. Create relationships that are useful when making contact throughout the year to discuss issues that affect other organisations in the industry.

Benefits:

1. Develop a common approach
2. Connect with others to create network
3. Some shared sites and asset connections points between organisations which benefit from a common approach to information definition and exchange
4. Identify where asset information standards are required and either adopt external ones or come up with NZ specific ones
5. Learn from others and collaborate on solutions
6. Facilitate cross industry data exchange by developing a common approach or adopting standards
7. Understand more about the impact of changing platforms and technologies so we can get the best outcomes for our stakeholders

Agenda

Start	Topic
9.30am	Round table / introductions
10.00am	Recap on purpose of the AIMF and last year's outputs. Planning for remainder of day – confirm agenda
10:30am	Break
11.00am	Discussion Topic 1: Condition Based Risk Models
11.30am	Discussion Topic 2: The role of CIM in decarbonisation through inter-business data interchange on distributed generation
12.00pm	Discussion Topic 3: Use of BIM
12.30pm	Lunch break
1.00pm	Discussion Topic 4: Commerce Commission information disclosure requirements
1.30pm	Discussion Topic 5: Use of Digital Twins in the electricity sector for event simulation
2:00pm	Discussion Topic 6: EEA Asset Information Maturity Model
2:30pm	Break
2.45pm	Discussion Topic 7: Acquiring Smart Meter data for network management
3:15pm	Discussion Topic 8: Information and data at the EEA Conference
3:30pm	Discussion Topic 9: Land-owner information
3:45pm	Future direction
4.00pm	End

Discussion Topic 1

Condition Based Risk Models

Ling

Discussion Topic 2

The role of CIM in decarbonisation through inter-business data interchange on distributed generation

Michael

Discussion Topic 3 Use of BIM

Kevin

Discussion Topic 4

Commerce Commission information disclosure requirements

Sean / Ananya

Discussion Topic 5

Use of Digital Twins in the electricity sector for event simulation

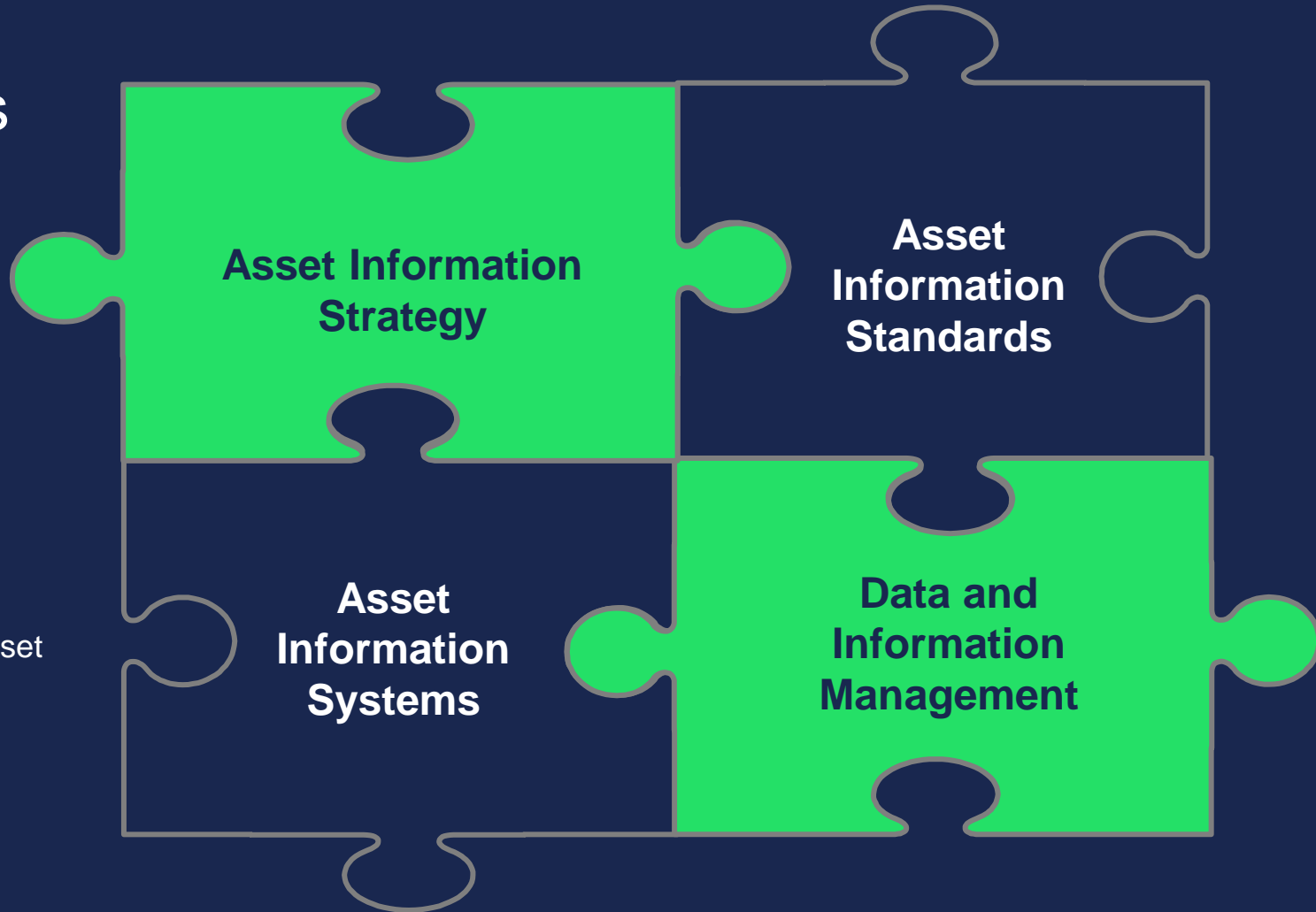
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Discussion Topic 6 EEA Asset Information Maturity Model

Jules

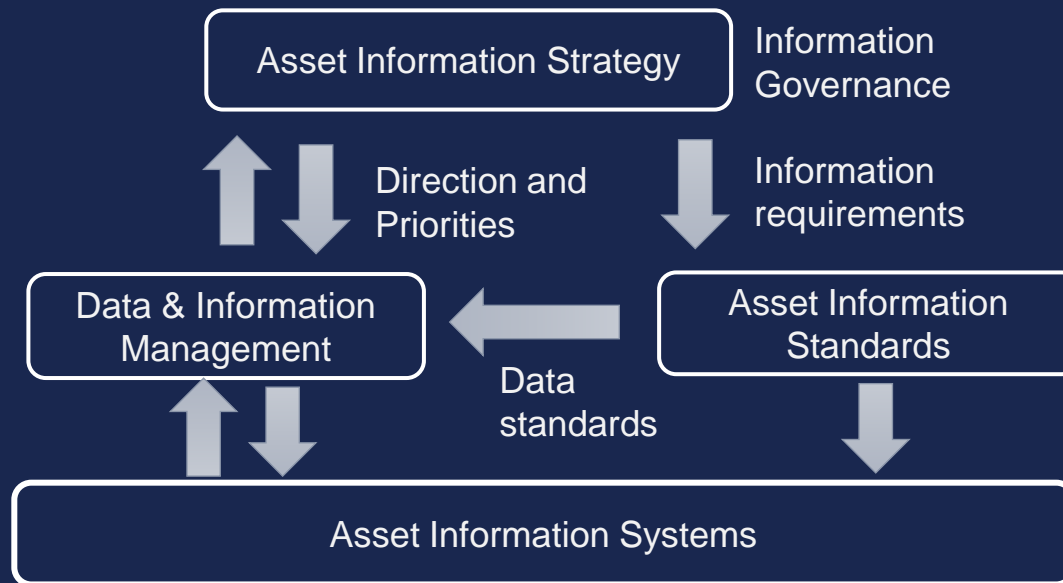


Four Pillars



Source:
• Global Forum for Maintenance and Asset Management

Connecting the Four Pillars





Why Use A Maturity Model?



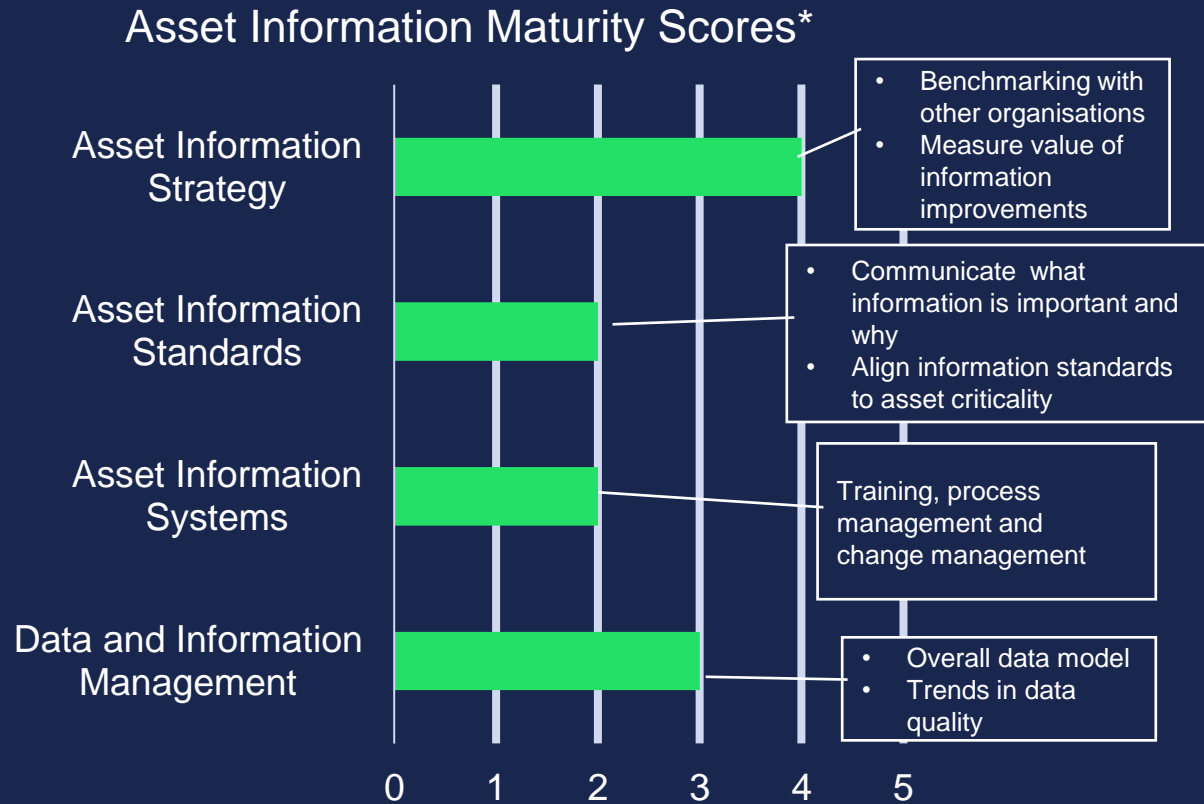


Asset Information Maturity Model

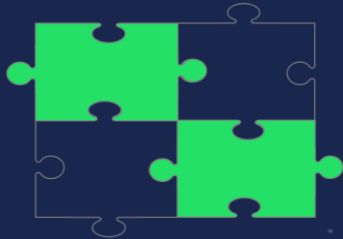
	Asset Information Strategy	Asset Information Standards	Asset Information Systems	Data and Information Management
Level 5	Continuous improvement phase	Overall data quality is associated with asset management	The system is recognised as an integral and essential part of the overall	Organisation targets, matches and sustains best practice integration and application of
Optimised				
			integrated into its processes	and information asset lifecycle
Level 4	Implemented throughout the	Data quality requirements for	Systems are implemented throughout the	Organisation has implemented a continuous
Managed				
		documented	procedures and management backing	
Level 3	Implementation	Information	Systems are implemented	Organisation is able to
Defined				
		documented		assurance
Level 2	Strategy	Reports on non-	Some systems are in place	Organisation is starting to
Aware				
	approved	are produced		requirements identified
Level 1	No information	Standards for data	No recognition of the need	Organisation is starting to
Adhoc				
			systems	deliverables

Source: EEA Asset Information Maturity Framework

Example Asset Information Assessment



Findings



While an organisation may have specific operational areas successfully implemented, providing ongoing assurance that asset information is fit for purpose requires all four subject areas to be addressed.



Using the model to understand gaps and opportunities, and assists with assessing an organisation's ISO 55001 readiness in their asset information processes.



Data quality is a primary concern to asset intensive organisations to ensure data dependent asset management decisions are sound, and to be able to demonstrate that the data used is quality assured.

Discussion Topic 7
**Acquiring Smart Meter data for network
management**

Chris

Discussion Topic 8 Land-owner information

Miftah

Discussion Topic 9 Information and data at the EEA Conference

Jules

Decisions and Actions

Next Steps / Decisions (page 1 of 2)

1. Hold forum again next year. Suggest holding the forum the day before the EEA conference starts or the day after EEA conference finished.
 2. Have annual forum in person but hold online half day quarterly or six monthly forums.
 3. At next annual forum, invite a member from each of the two electricity distribution CIO forums to see if there is overlap and / or synergies.
 4. Potential subgroups:
 - CIM Extension for Sector
 - Standards for data shared externally (e.g. Info Disclosure, FENZ, Lifelines)
 - Joint projects between organisations
 - CBRM interest group
 - Smart meter data (e.g. data agreements, PQ data standards)
 - Digitising field data capture
- Possible approach to forming sub groups is to call for interested parties via LinkedIn and/or email

Next Steps / Decisions (page 2 of 2)

5. Revise Asset Information Maturity Framework:
 - No major changes required at this stage
 - Just a minor revision to tidy and potentially simplify and streamline
6. Review resourcing for organising AIMF
7. Clarify role and status of forum e.g., in relation to AMG and working groups
8. Update forum purpose (next slide)

It is recommended that attendees follow the LinkedIn group: NZ Electricity Utilities - Asset Information - <https://www.linkedin.com/groups/13601353/>

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Additions agreed:

- Create alignment across industry
- Give visibility to asset information topics
- Ensure future readiness through working together
- Improve outcomes for customer through improve use of asset information