GFMAM AM Landscape 3

Richard Edwards

5th June 2024

Slido for Questions

Introducing the key organizations

The Institute of Asset Management

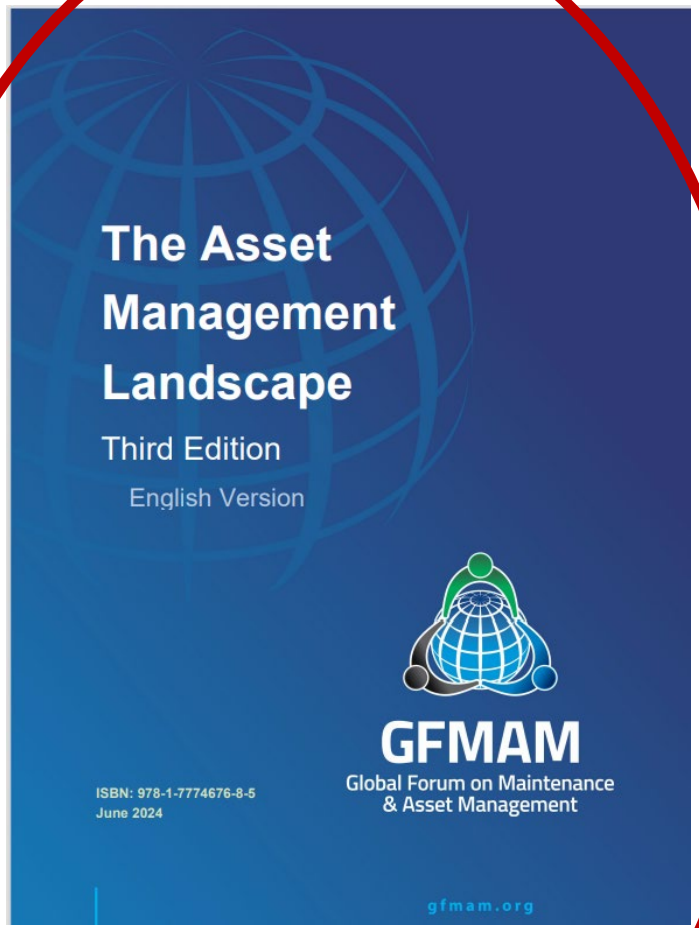
ISO

GFMAM

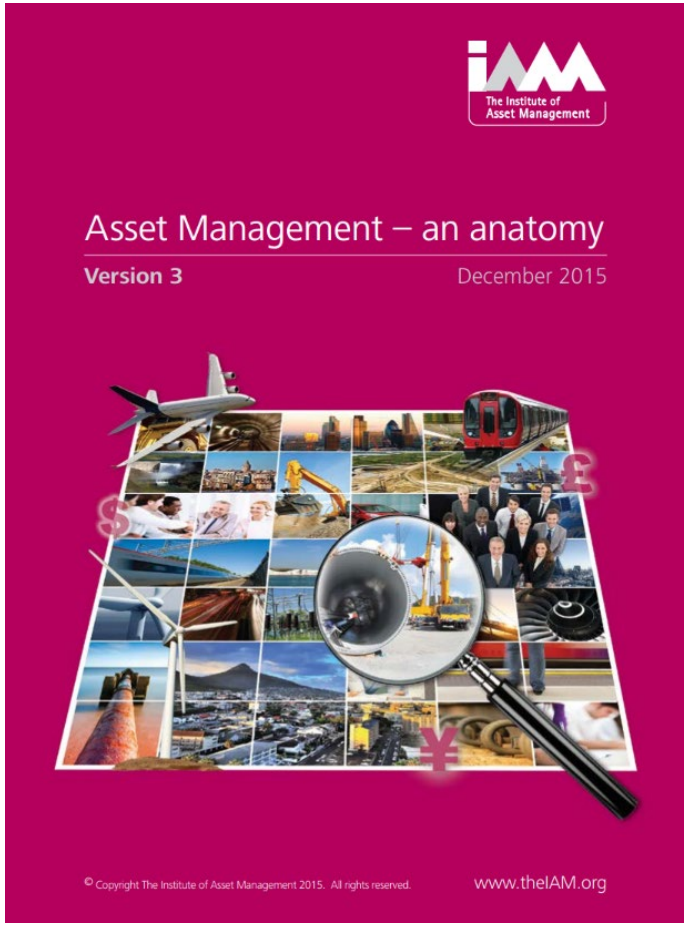
Global Forum on Maintenance & Asset Management

The Institute of Asset Management

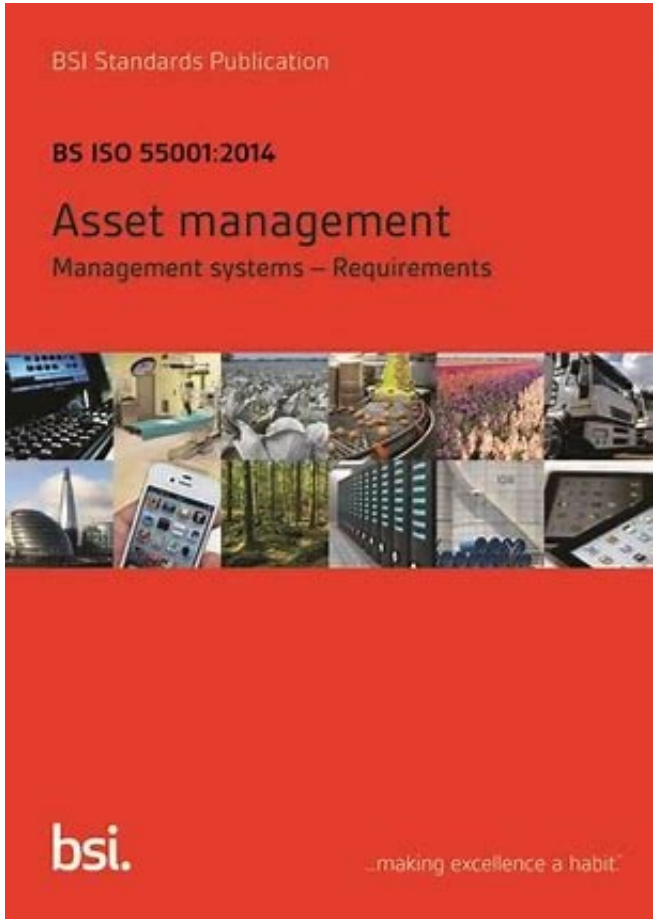
Asset Management Is Evolving



GFMAM Asset Management Landscape vs 3 launched today!



IAM Anatomy version 4 due to be published July 2024



ISO550xx – six documents to be published from August 2024

GFMAM

Global Forum on Maintenance & Asset Management

Members

PEMAC, Canada

IAM, UK

IFRAMI, France

EFNMS, Europe

JIPM, Japan

JAAM, Japan

SMRP, USA

MAPMA, Malaysia

IPWEA, Australia

AM Council, Australia

Āpōpō, New Zealand

ABRAMAN, Brazil

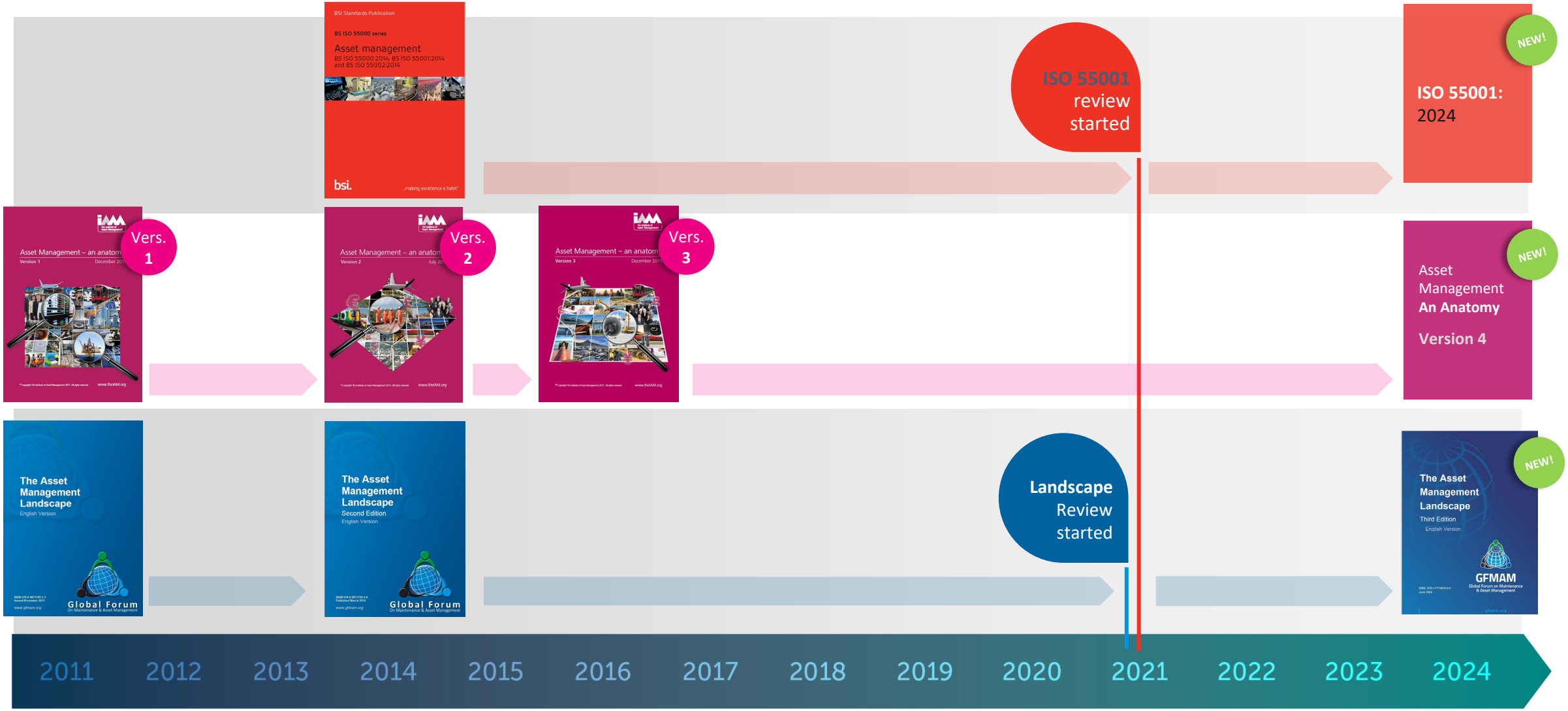
MARAMM, Morocco

SAAMA, South Africa

GSMR, Arabian Gulf Region

Timeline

GFMAM
Global Forum on Maintenance & Asset Management



Landscape 2 - Asset Management Subjects

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STRATEGY & PLANNING

- AM policy
- AM strategy & objectives
- Demand analysis
- Strategic planning
- AM planning

AM DECISION-MAKING

- Capital investment decision-making
- O&M decision-making
- Lifecycle value realisation
- Resourcing strategy
- Shutdown & outage strategy

ASSET INFORMATION

- Asset information strategy
- Asset information standards
- Asset information systems
- Data & information management

ORGANISATION & PEOPLE

- Procurement & supply chain management
- Asset management leadership
- Organisation structure
- Organisation culture
- Competence management

RISK & REVIEW

- Risk assessment & management
- Contingency planning & resilience analysis
- Sustainable development
- Management of change
- Asset performance & health monitoring
- Asset management system monitoring
- Management review, audit & assurance
- Asset costing & valuation
- Stakeholder engagement

LIFECYCLE DELIVERY

- Technical standards & legislation
- Asset creation & acquisition
- Systems engineering
- Configuration management
- Maintenance delivery
- Reliability engineering
- Asset operations
- Resource management
- Shutdown & outage management
- Fault & incident response
- Asset decommissioning & disposal

Timeline of Landscape 3 Project

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Phase 1 - Review of Landscape 2

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- Document needs to start with purpose and structure
- Make it clear what the Landscape is and how it fits with the ISO
- Need to reflect current AM market maturity
- There are key focus areas not included that should be
- Some subject areas had overlaps that were hard to distinguish
- Context and integration with other organizational systems and processes

Key Call outs

- Information as an asset
- Change management
- Context
- Risk
- Decision making
- Value Realization

Landscape 3 Context

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Purpose

To describe our common understanding of Asset Management and to provide a globally agreed framework against which knowledge bases and practices can be aligned, compared, and contrasted

Principles

- Level of detail is balanced and at an appropriate level
- Language and writing style is precise
- Easy to read / appropriate use of graphics
- Avoid conflict with other GFMAM documents
- Teams structured to engage multi-lingual groups

This Project meets the following objectives:

Bring together, promote and strengthen the community worldwide

Facilitate the exchange and alignment knowledge and practices

Raise the credibility of member organisations

Subject Groupings for Working Groups

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One	Two	Three	Four	Five	Six	Seven
Context and stakeholders	**Governance**	**AM Planning**	**Leadership and people**	**Information**	**Delivery**	**Value realization**
The organisation context and stakeholder subjects. These should be subjects that set the boundary conditions that inform the approach to AM within an organisation.	The subjects relating to Governance and the management of AM within an organisation. Including the AM system approach taken by the organisation.	The subjects relating to the AM planning and approach taken by the organisation.	The people related subjects. Including AM leadership, resourcing and competence that inform the culture of an organisation.	The information related subjects applicable to AM. Including the way information is managed as an asset and the importance to AM decision making.	The subjects relating to Life cycle delivery of AM.	The subjects relating to how value is created through doing AM. Subjects related to measuring outcomes and continual improvement, not just performance of assets

Over 250 volunteers worked on the update – with over 100 from the IAM!

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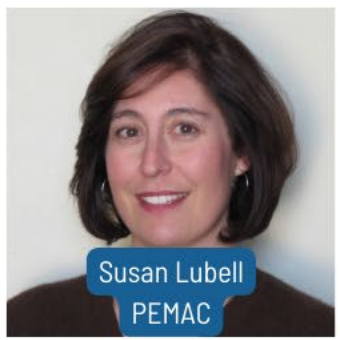
Asset Management Landscape Revision Project

International Subject Area Leads

SteerCo Deputy Leads



Landscape Meetings

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Global Forum on Maintenance

	Level 1 Context & Stakeholders	Level 2 AM Planning	Level 3 Leadership & People	Level 4 Information	Level 5 Delivery	Level 6 Governance	Level 7 Value Realization
International Subject Group Leads	Steerco Coordination Group						
Abraman Subject Group Leads							
AM Council Subject Group Leads							
BEMAS Subject Group Leads							
EFNMS Subject Group Leads							
GSMR Subject Group Leads							
IAM Subject Group Leads	National Coordination Groups					National Subject Group Mtgs	
IFRAMI Subject Group Leads	International Meetings						
JAM Subject Group Leads							
JIPM Subject Group Leads							
MAPMA Subject Group Leads							
PEMAC Subject Group Leads							
SAAMA Subject Group Leads							
SMRP Subject Group Leads							

IAM Subject Group Leads

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Context & stakeholders	Governance	AM Planning	Leadership & people	Data & Information	Delivery	Value realization
1. Tim Gadd 2. Chris Woods	1. Bernard Gaudreault 2. Imad Khan	1. Roop Lutchman 2. Grame Hind	1. Dan Penny 2. Martin Jones	1. Daryn Fitz 2. Paul Dean	1. Mick Saltzer 2. Ian Higham	1. Brian Addison 2. Harshed Bhudia 3. Mark Knight

Key challenges

- Project Plan
- Project Management Platform
- Change Management Approach
- Stakeholder and Communications Plan
- Document Layout and Format
- Document Authoring and Translation
- Terms and Definitions
- ISO / Landscape interface & timing
- Identifying and Managing Risks

High Level Changes - Landscape V3 40 subjects

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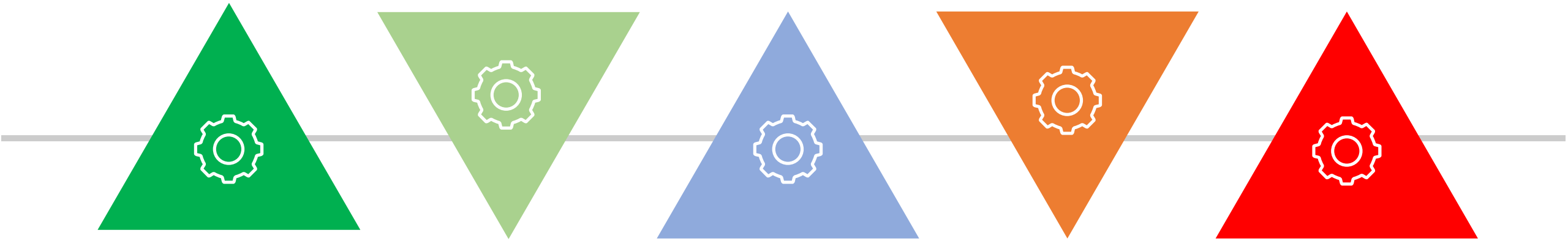

18 Subjects are unchanged (minor edits only)

15 Subject name changes (and minor edits)

6 Subjects New

2 Subjects Merged

4 Subjects Removed

Landscape 3 - Asset Management Subjects

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Context & stakeholders	Governance	AM Planning	Leadership & people	Data & Information	Delivery	Value realization
1. Organisational Purpose & Context	1. Asset Management Policy	1. AM Strategy & Objectives	1. Asset Management Leadership	1. Asset Management Data & Information Strategy	1. Asset Creation & Acquisition	1. Outcomes & Impacts
2. Stakeholder Management	2. Asset Management System	2. Demand Analysis	2. Organisational Arrangements	2. Asset Data & Information Standards	2. Systems Engineering	2. Monitoring
3. Asset Costing & Valuation	3. Asset Management Assurance & Audit	3. Sustainable Development	3. Organisational Culture	3. Asset Management Data & Information Management	3. Maintenance Delivery	3. Continuous Improvement
	4. Technical Standards & Legislation	4. Planning	4. Competence Management	4. Asset Management Data & Information Systems	4. Integrated Reliability	
	5. Management of change	5. Decision-Making	5. Organisational Change Management	5. Configuration Management	5. Asset Operations	
	6. Risk	6. Lifecycle Value Realization	6. Knowledge Management		6. Incident Management & Response	
		7. Resource Strategy & Management			7. Asset Repurposing & Disposal	
		8. Shutdown & Outage Strategy and Planning			8. Supply Chain Management	
		9. Contingency Planning & Resilience				

Example of Configuration Management
Group 7. Value Realization

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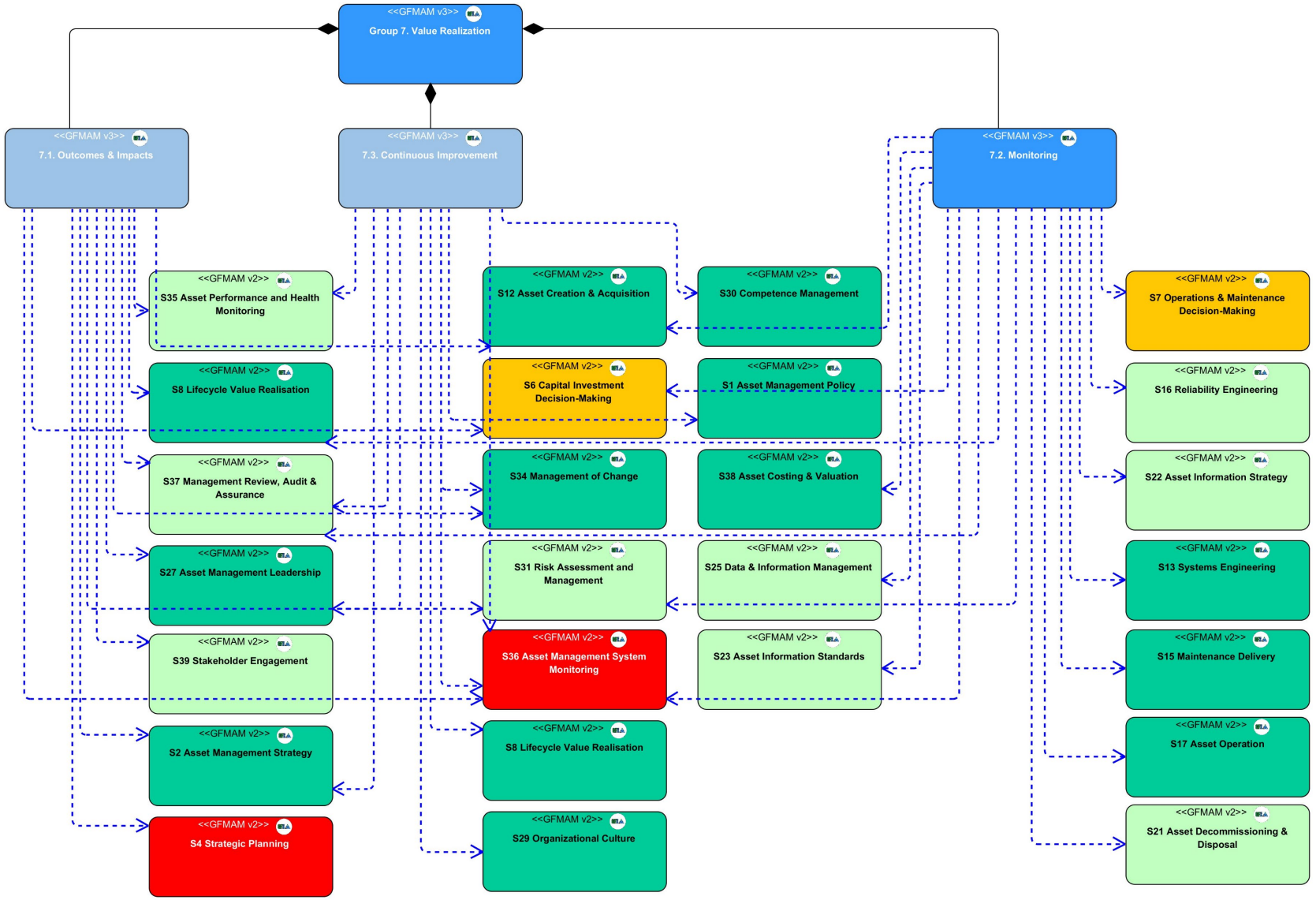

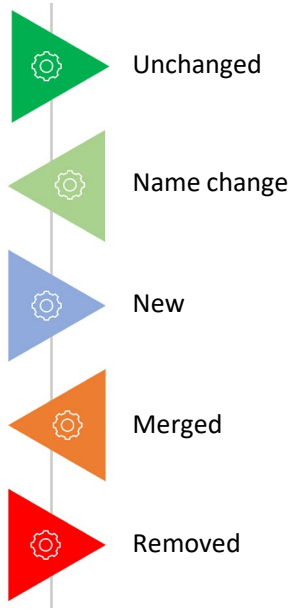

Summary of Landscape 3 Project

GFMAM
Global Forum on Maintenance & Asset Management

- Extensive consultation on Landscape 2 and suggested changes
- Over 200 people from 13 professional bodies involved in the update
- Subjects updated to reflect latest developments in Asset Management from the last 10 years
- More emphasis on purpose and context
- More emphasis on value delivered
- Structure amended to reflect comments on Landscape 2
- Published in English first, then Spanish, Arabic, French, Portuguese, Japanese & Mandarin

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Asset Management Landscape v3.0

Third Edition - NEW!

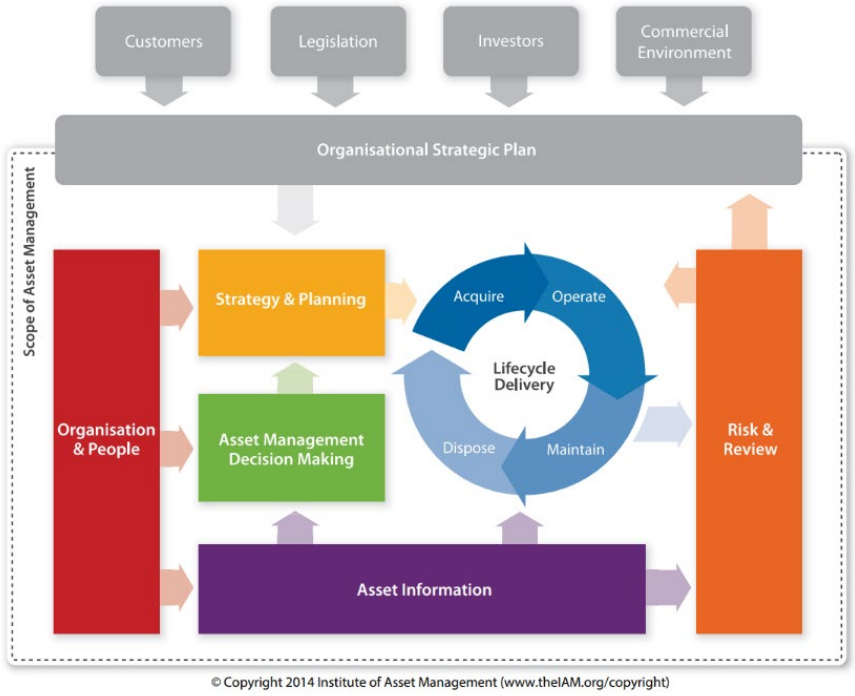
Available in: English **Coming Soon in:** French, Spanish, Arabic, Portuguese, Japanese, Mandarin

Over the past decades, global standards and principles for managing assets have improved significantly. The Global Forum on Maintenance and Asset Management (GFMAM) acknowledges the benefits of coordinating these advancements, especially for organizations managing assets in multiple countries. To achieve this, GFMAM published the first edition of the GFMAM Asset Management Landscape in 2011, aiming to update it in 2014 with insights from ISO 5500x and to make it more specific. The Second Edition in 2014 made significant progress in applying asset management globally and became a reference for developing asset management knowledge.

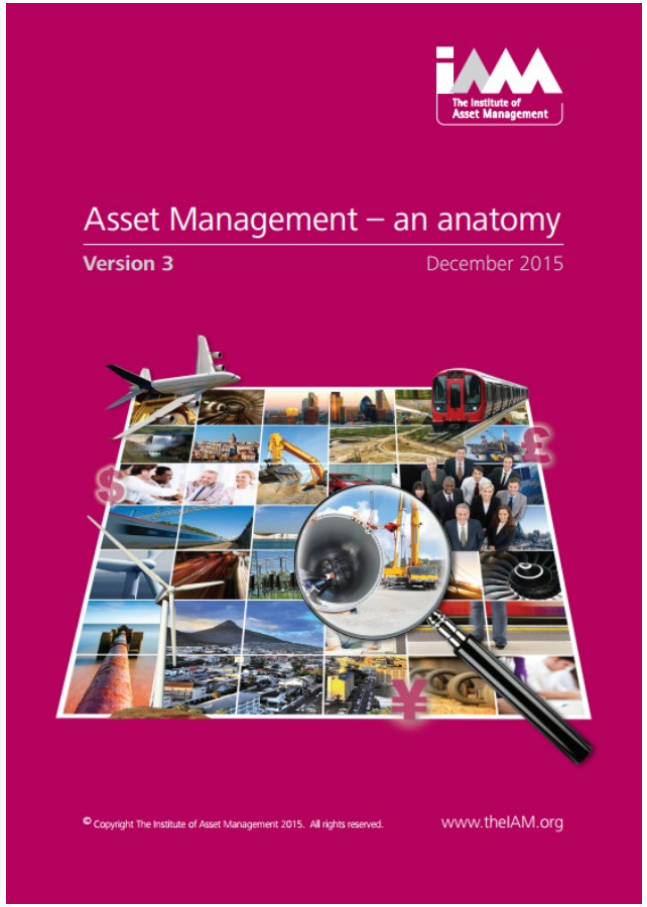
The **Third Edition**, presented here, reflects updates to address modern challenges like climate change, including new subjects like Governance and Value Realization to align asset management with contemporary governance standards and ensure value creation.

https://gfmam.org/publications/asset-management-landscape-v30

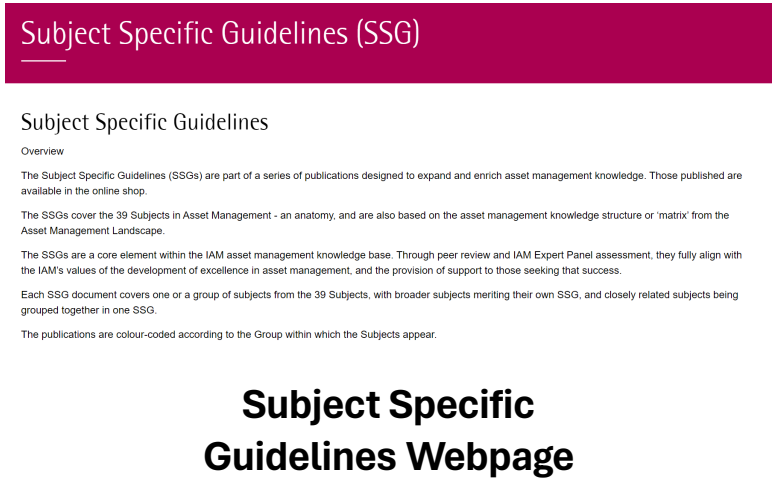
Reviewing and Revising Our IAM Knowledge Resources: July 2024



IAM Conceptual Model

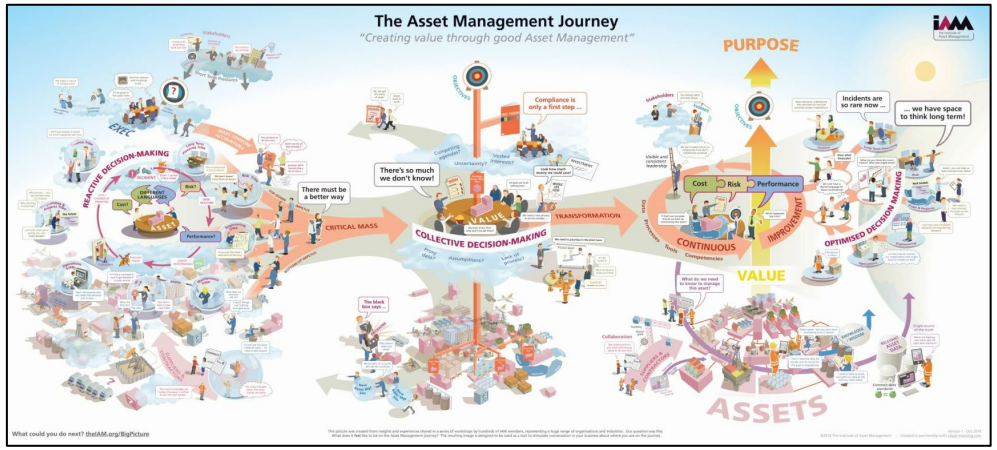


IAM Anatomy

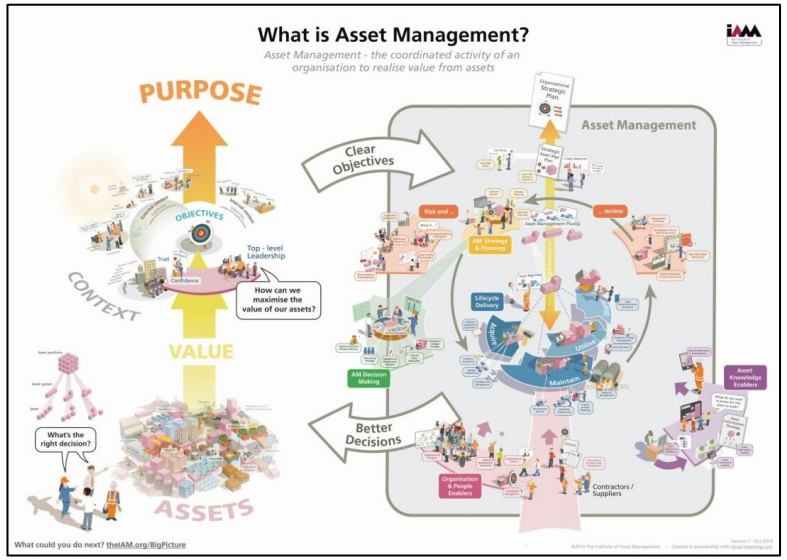


Subject Specific Guidelines Webpage

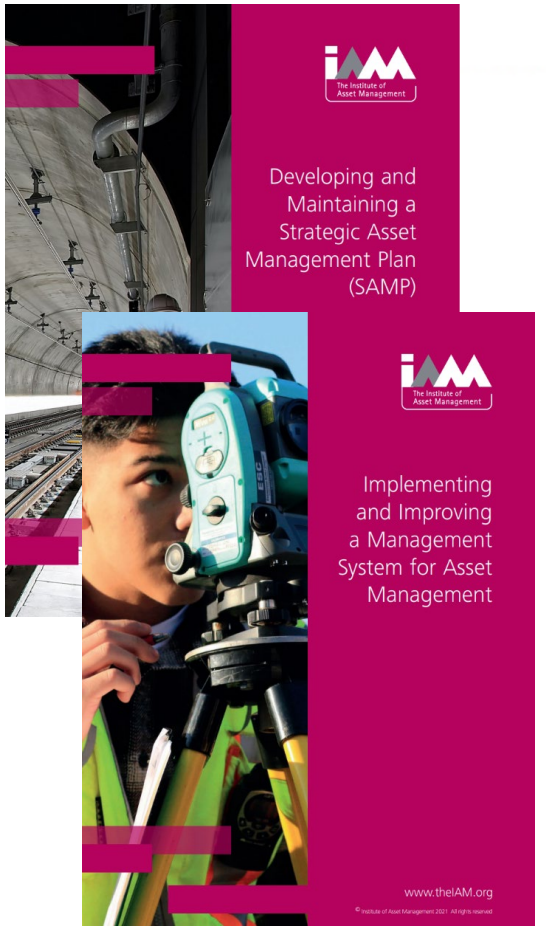
Reviewing and Revising Our IAM Knowledge Resources: After July 2024



IAM Big Picture



IAM Excellence and Maturity

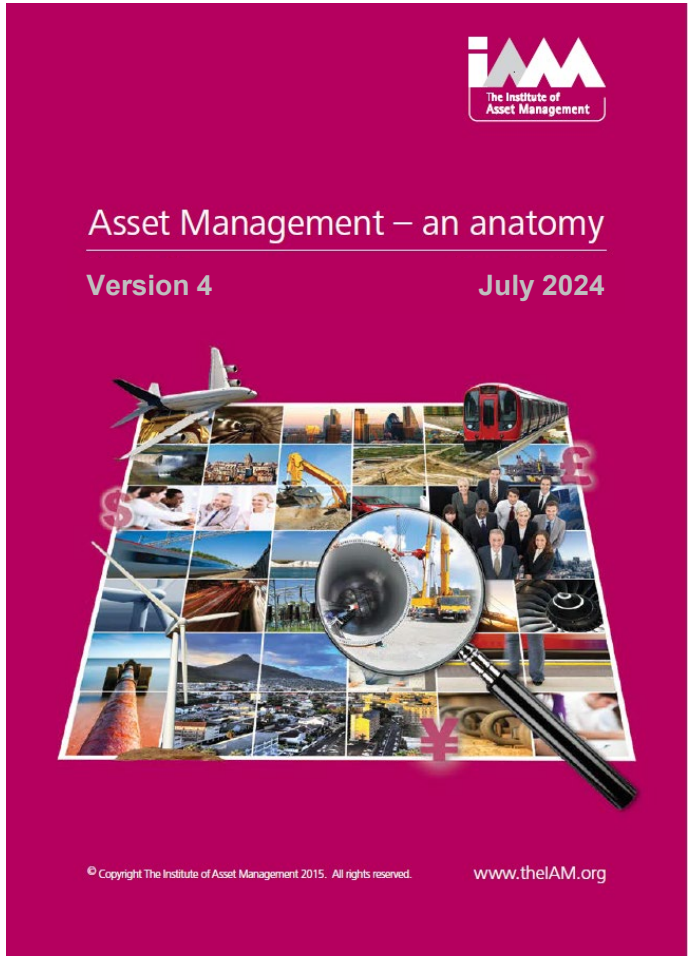


IAM Guidance supporting implementing SAMP and AMS

Reviewing and Revising Our IAM Knowledge Resources: Prioritizing the Subject Specific Guidelines

- We are currently considering how we will update the subject specific guidelines based on changes in the GFMAM Asset Management Landscape, the IAM Anatomy and the ISO55000 suite of documents
- We are looking to prioritize new subject areas and consider how best to get guidance to our asset management community as quickly as possible

Anatomy 4.0



Join us at the IAM Global conference on 13th June to learn more!

GFMAM AM Landscape 3

Q&A