

ISO55001 Asset Management System Standard Scheme

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Agenda

- The ISO5500X family
- Asset Management Systems purpose?
- Key decision makers in Asset Management Systems
- Focus of ISO55001 requirements who?
- Focus of ISO55001 requirements what?
- Challenges in implementation
- Relationships with other management systems and standards
- BSI ISO55001 Scheme Rules and accreditation
- Audit focus of ISO55001
- Our journey with Scottish Water
- Training

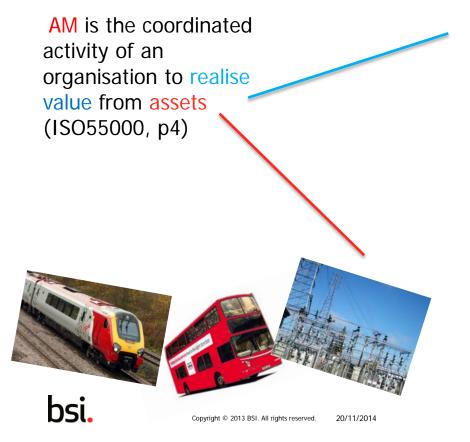


ISO5500X Asset Management Standards

- ISO55000: Asset management Overview, principles and terminology
- so we can all speak the same language
- ISO55001: Asset management Management systems Requirements
- auditable and certifiable
- ISO55002: Asset management Management systems Guidelines for the application of ISO 55001
- good value consultancy!



Purpose of an Asset Management System (AMS)



Realising value:

Total cost of ownership: capital, revenue, maintenance, operations, decommissioningregulatory compliance, reputation, political environment, social costs, technological costs.



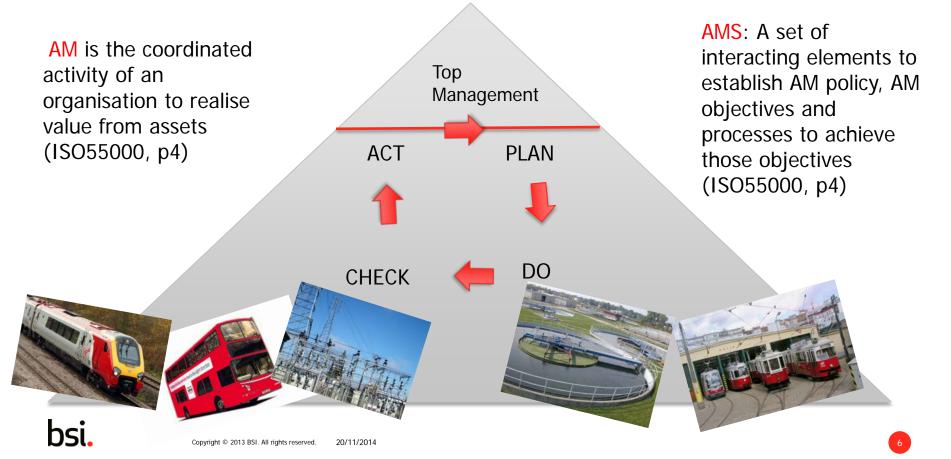
Service utility



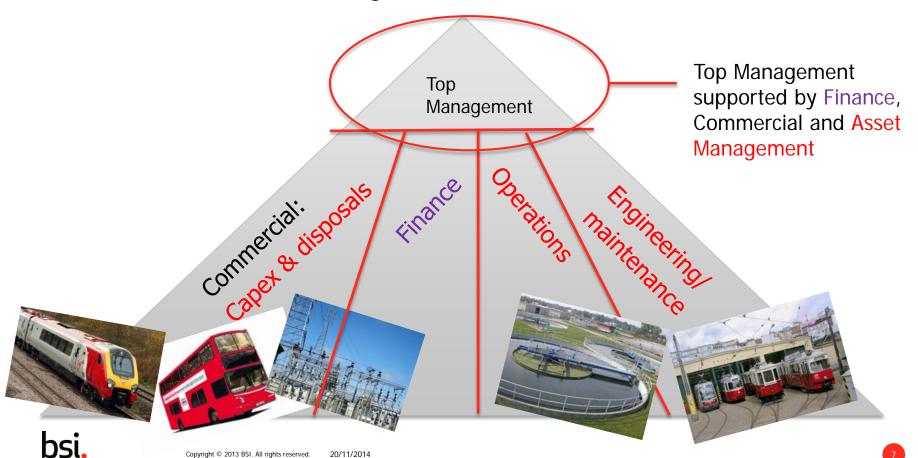
Purpose of an Asset Management System (AMS)



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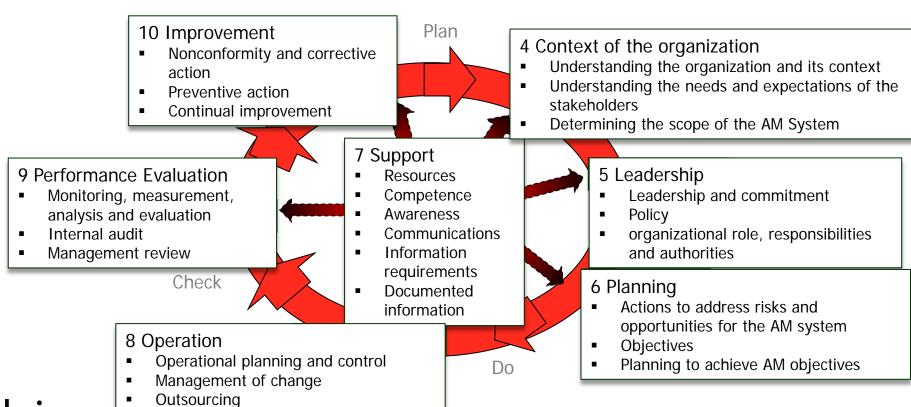
Decision makers for AMS alignment with ISO55001



Focus of ISO55001 and Organisation Hierarchy



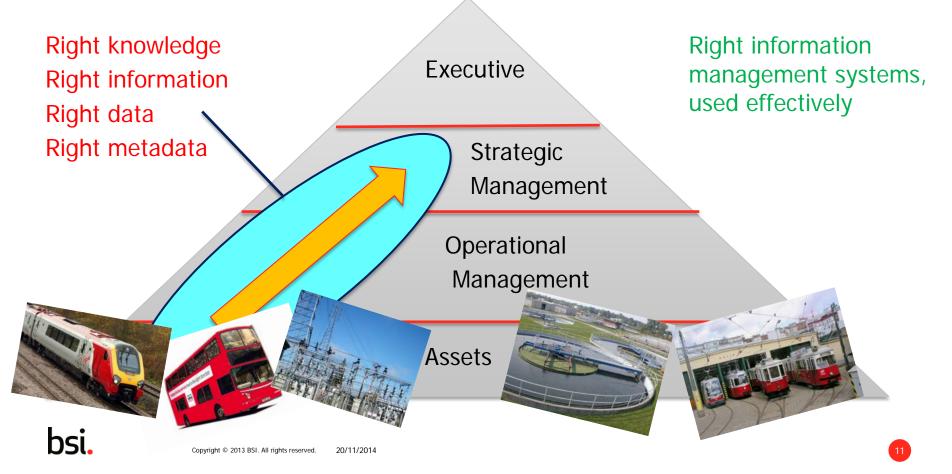
ISO 55001 – Conformance Requirements

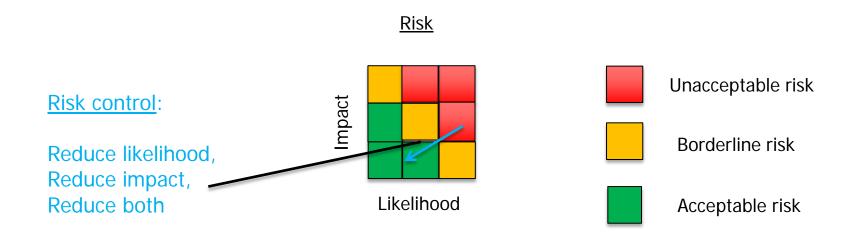


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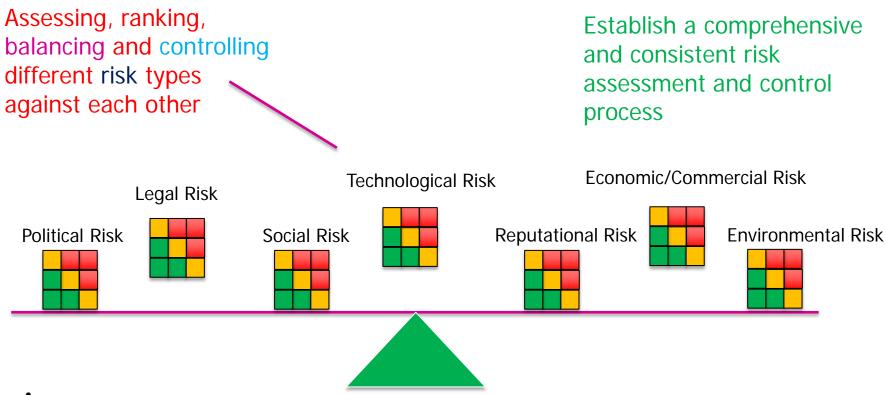
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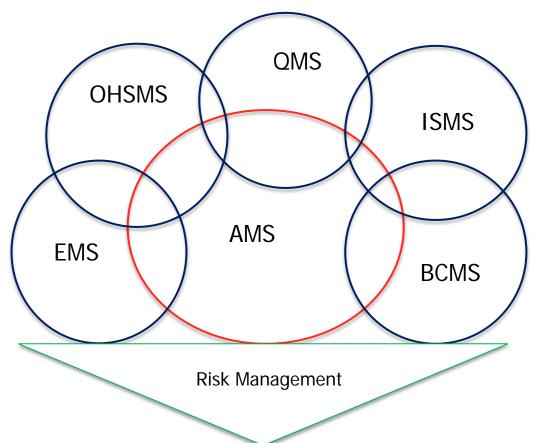








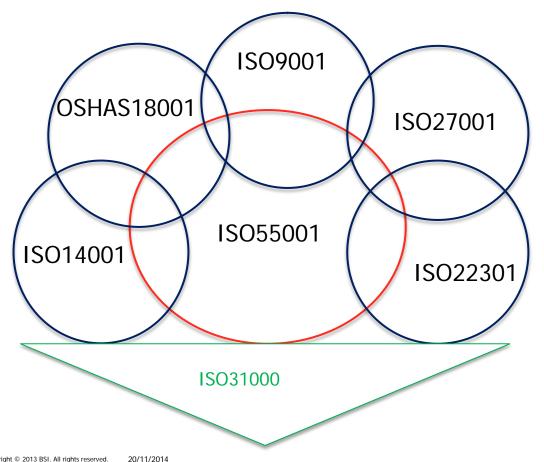
Relationship between AMS and other formal management systems





Relationship between ISO55001 and other formal management systems

standards





BSI Scheme Management

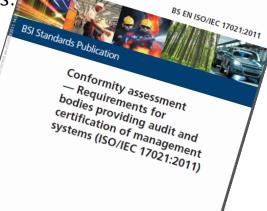
To ensure that the delivery of our audit and certification service is:

- Impartial
- Independent
- Competent
- Confidential



To be able to meet the requirements of ISO17021:2011 –

We can be accredited by National Accreditation Bodies









ISO55001 Certificate Scope Definition

- Important!
 - For clarity of understanding of interested parties
 - Integrity of the certification service
- 'The asset management system in relation to governance of 'brief description of the asset portfolio being managed' and 'the service being provided by these assets'

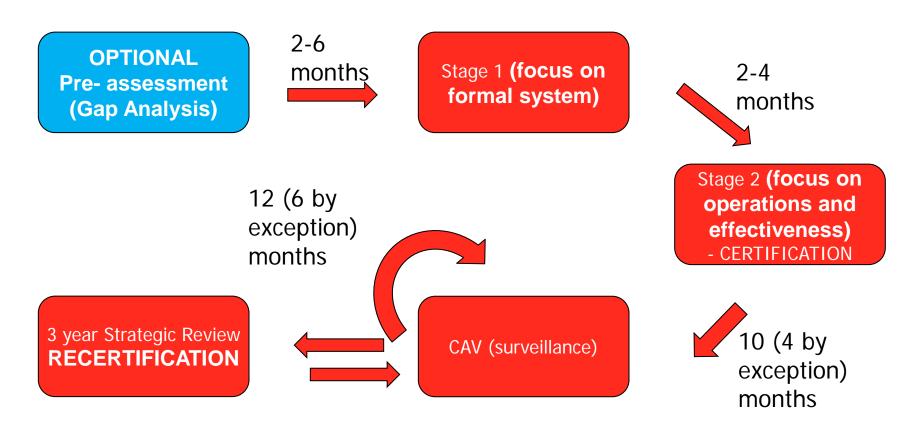


Auditing

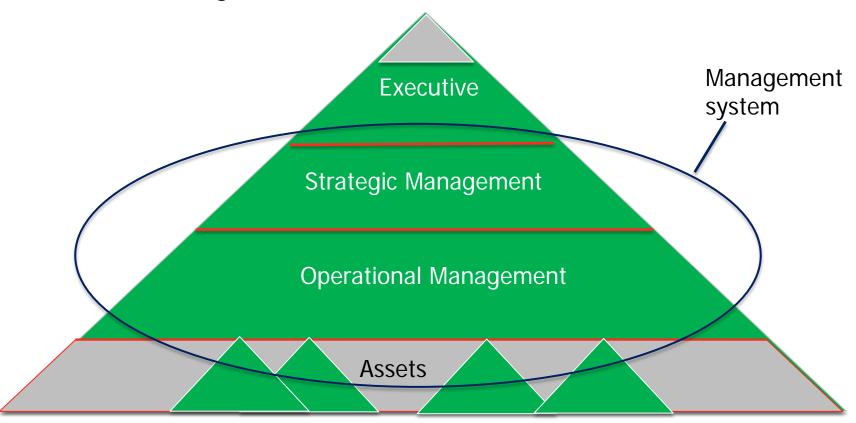
- Optional systems 'gap analysis' informal review of the documentation structure and function.
- Stage 1 audit formal assessment of organisation's documented system, governance structure and plans for implementing and operating the management system.
- Stage 2 audit formal assessment of the operation of the management system and its effectiveness in achieving the management objectives.
- CAV (Continual Assessment Visit) surveillance of the operation of the management system.

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Certification Cycle



Focus of Auditing to ISO55001





20/11/2014

Audits

Need to visit example asset types, at Stage 2 and CAVs

• ...to verify and validate asset system performance or condition against records.

 Resource intensive and time consuming and is not the focus of systems conformance, so is undertaken on an example rather than sample basis.



Audit Trail: Themes

'Measurement and 'Purpose' 'Line of sight' 'Support' Improvement' 5 Leadership* 4 Context of the organization 7 Support 6 Planning* 5 Leadership* 6 Planning 9 Performance evaluation 8 Operation 10 Improvement



^{*} Selected subclauses

Assessment Plans

Stage 2 Assessment Plan

Report Number: SMO 1234566

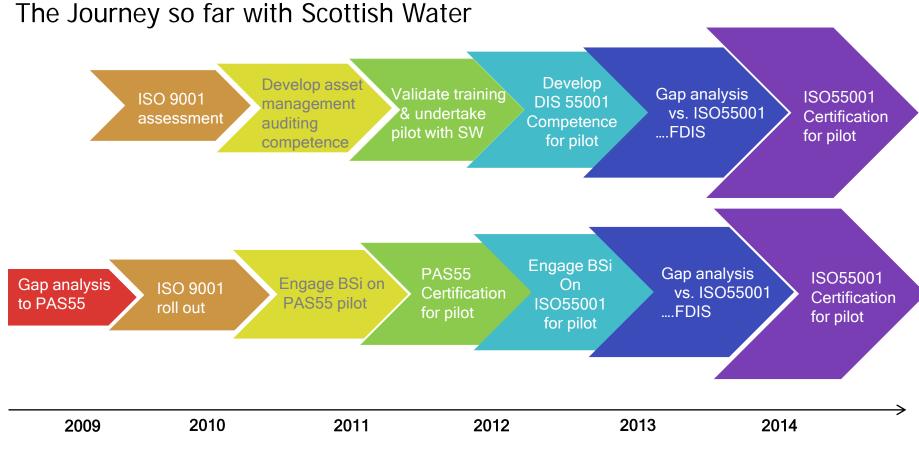
Sheet Number: 1 of 3

| Client: Isle of Sodor Railways | | | | | | | |
|---------------------------------------------------------------------------|------------------------------|-------------------|----------------------|--|--|--|--|
| Visit Objectives: Stage 2 Assessment to ISO55001 | | | | | | | |
| Visit Scope: Organisation's AMS including all assets on the Isle of Sodor | | | | | | | |
| Management Standard: | ISO55001 | BSI Team: Leader: | Ivor Nencey | | | | |
| Opening Meeting Date/Time: | 18/3/14 9:00 | Members: | Willie Dooan Areseay | | | | |
| Closing Meeting Date/Time: | 19/3/14 16:00 | | | | | | |
| Company Representative: | Sir Topham Hatt (MD) | | | | | | |
| | Jack O'Falltrades (Ast. Mgr) | | | | | | |
| Language of Assessment: | English | | 8 man days | | | | |

| Date | Time | Assessor | Area/Process | Clause | Client |
|---------|-------|----------|-------------------------------------------------------------|----------|--------|
| 18/3/14 | 9.00 | IN & WDA | Opening meeting, changes to the system since Stage 1 | | All |
| | 9.45 | | THEME 1 AWARENESS | | J O'F |
| | | | Context of the organisation | 4.1 | |
| | | | -understanding the organisation | | |
| | | | -needs and expectation of stakeholders | 4.2 | |
| | 11.00 | | Determining the Scope of the AMS and defining the AMS | 4.3, 4.4 | J O'F |
| | 11.45 | | Top Management interview: Leadership and committment | 5.1 | Sir TH |
| | 12.30 | | LUNCH | | |
| | 13.15 | IN | THEME 2 LINE OF SIGHT | | |
| | | | Policy | 5.2 | |
| | 14.00 | IN | Actions to address risks and opportunities | 6.1 | J 0'F |
| | 14.45 | IN | Objectives, planning to achieve asset management objectives | 6.2 | J O'F |

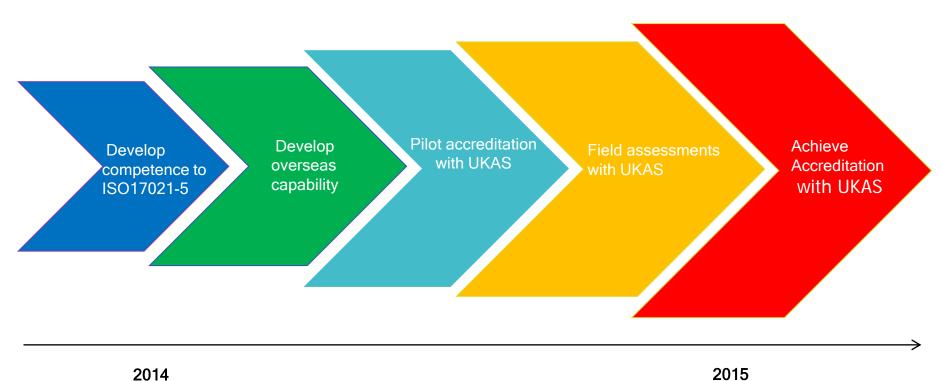


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Next steps for BSI



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2015

BSI Training

- Fundamentals of Asset Management
- Asset Management: Requirements of ISO55001:2014
- Key Elements of Auditing ISO55001:2014
- In house training
- +971 4 336 4917
- http://www.bsigroup.com/en-AE/PAS-55-Asset-Management/ISO-55001-Training-Courses/



Summary

- Asset Management Systems (AMS) are designed to maximise value from assets.
- ISO55001 represents a formally codified internationally recognised asset management system standard.
- Organisation's success requires top management commitment: SAMP, Good information systems: used effectively, Comprehensive risk assessment and controls.
- BSI Certification of your organisation to ISO55001 provides independent assurance of the organisation's governance and processes for maximising value from assets. For your assurance, your business partner's assurance and to benchmark against your competition. BSI Training can help you on each step of this journey.





...making excellence a habit."