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## Energy Management

Over the last year, interest in Energy Management Systems has been increasing. Despite the fall in oil prices, energy is still a major cost in many organisations. A reduction in energy costs is just one of the drivers for organisations to improve their energy management. Other drivers include a greater awareness of environmental issues and the revised EU energy efficiency directive. The UK Government established the Energy Saving Opportunity Scheme (ESOS) to implement this EU Efficiency Directive. ESOS is a mandatory energy assessment scheme for organisations in the UK that meet the qualification criteria. To meet the criteria you should normally be a UK company that either employs 250 or more people or have an annual turnover in excess of 50 million euros and an annual balance sheet total in excess of 43 million euros. For full details on the criteria you should visit the full ESOS guidance at <https://www.gov.uk/government/publications/comply-with-the-energy-savings-opportunity-scheme-esos>

Organisations that qualify for ESOS must carry out ESOS assessments every 4 years and the first deadline is approaching. The Department of Energy and Climate Change (DECC) have recently published a new (ESOS) guidance pack “Approaches to ESOS Audits”. The pack provides practical information on how to develop audit plans, carry out and report on audits and, most importantly includes some ideas on how to obtain management commitment. The ESOS audit scheme is run by the Environment Agency and organisations meeting the criteria have to submit their energy reports by 5<sup>th</sup> December 2015. There are large fines, up to £50,000 for non-compliance. Operating the ISO 50001 Energy Management System standard will support an organisation in meeting the ESOS requirements. This standard aims to help an organisation continuously improve

energy-related performance and efficiency. It was originally released in 2011, and recent additions have been released with more specific guidance

- ISO 50004:2014, Energy management systems - Guidance for the implementation, maintenance and improvement of an energy management system.
- ISO 50006:2014, Energy management systems - Measuring energy performance using energy baselines (EnB) and energy performance indicators (EnPI) - General principles and guidance.
- ISO 50015:2014, Energy management systems - Measurement and verification of energy performance of organisations - General principles and guidance.

For further information please visit [www.gov.uk](http://www.gov.uk) and [www.bsigroup.com](http://www.bsigroup.com)

## Latest on the changes to ISO Standards

As you are probably aware, most of the common management standards are undergoing revisions at the moment. As well as updating the standards to reflect feedback from users and changes in the workplace, one of the aims is to base the standards on Annex SL – a high level structure that gives a common framework to all management system standards. This should bring consistency, align the different management standards and offer matching sub-clauses against the top-level structure and apply common language across the standards. The following is an overview of the current situation.

### ISO 9001:2015

The Final Draft International Standard (FDIS) is expected at the beginning of July, with publication of the ISO 9001 standard itself due at the end of September 2015.

The key changes proposed are:

- A greater emphasis on leadership and senior management involvement
- An increased focus on risk management
- Further emphasis on objectives measurement and change
- More communication and awareness
- Less prescriptive requirements

The overall aim is to make quality thoroughly integrated into the management of the business and aligned with the business strategies of the organisation. The standard could almost be considered to be a business management system. Senior managers will find it much harder to off-load QA onto their Quality Manager alone. It will also be easier to integrate with other management systems such as that for the environment.

### ISO 14001:2015

Following an ISO 14001 progress meeting in Tokyo in February, a follow up meeting was held in London in April and the original timeline for publication has been a little delayed. The FDIS will be available in August/September 2015 with the final publication of ISO 14001:2015 currently due in late 2015.

As with the ISO 9001, the revised standard will follow the common structure given in the SL Annex.

The key changes to the standard are:

- Higher visibility of the environmental management system within the strategic planning of the organisation
- As in ISO 9001, increased demands on leadership
- Need for proactive initiatives to protect the environment e.g. use of sustainable resources
- Need for improved environmental performance
- Inclusion of life-cycle thinking when looking at environmental aspects
- Need for communication strategy

Transition toolkits are available from BSI to help you make the transitions for ISO 9001 and ISO 14001. These include a self-assessment checklist,

mapping guide and transitions guide to help you get prepared. Other certification bodies are also offering support through this period and your own certification body will be able to offer advice and guidance.

### Health and Safety - ISO 45001

Occupational health and safety is a key concern all over the world as lack of attention to these issues can be devastating and accidents within the workplace continue to happen. Currently there is not an ISO standard for a Health and Safety Management System, instead the requirements are described in OHSAS 18001. This standard is to be replaced by ISO 45001, which will set the requirements for an occupational health and safety management system. It is currently at the second committee draft stage of its development. Publication is expected in October 2016, although the timeline is subject to change.

Providing an ISO standard for health and safety does have some benefits.

- It aims to provide a harmonized approach to health and safety management globally and provide a framework for organisations to develop a management system designed for their own needs to promote health and safety in the workplace.
- It brings together international expertise – nearly 70 countries are involved
- It will be easier to integrate with other ISO management systems
- ISO standards are recognised around the world, this could encourage more organisations to adopt ISO 45001

For further information, please visit [www.bsigroup.com](http://www.bsigroup.com)

### Use of Electronic Information BS 10008

A revision of this standard has been released recently and this too has been written in accordance with Annex SL. The new revision of *BS 10008 Evidential weight and legal admissibility of electronic information – Specification*, recognises that significant changes have occurred in the last few years in the way information is now managed as an asset in organisations. The revised standard now includes structured data and emphasises the importance of stewardship of electronic information

as an organisational activity. For further details, visit [www.bsigroup.com](http://www.bsigroup.com)

### Food Safety ISO 22000

The food safety management standard ISO 22000 was first published in 2005. A consultation held last year identified that there were gaps in the current version, and an ISO working group met in February to discuss improvements to the standard. The following issues are being considered:

- Clarification of some key concepts e.g. critical control points, operational programmes, approaches to risk, product withdrawal and recall and external control measures
- Update of terms and definitions
- Avoidance of prescriptive contents
- Improved coverage for SMEs

The revised standard will also follow the same structure as the other management system standards, Annex SL. This will be especially useful as most companies do not use ISO 22000 on its own but in conjunction with the quality management system standard ISO 9001 and this will make the integration easier to carry out.

The revision group will meet again in mid-October to deliver a second version, currently called working document. If all goes according to plan, the standard is expected to be published in 2017. For further information, please visit [www.iso.org](http://www.iso.org)

### Biodiversity

If you are interested in managing biodiversity, then you might find a new BSI standard *BS 8583:2015* useful. This should help you incorporate biodiversity considerations into day-to-day operations, supply chain management, meeting international, national and local biodiversity targets, and improve biodiversity.

This new standard:

- Explains what biodiversity is and why it is relevant to businesses and other organisations
- Describes how to assess your biodiversity impact

- Explores ways to manage biodiversity, for example through supply-chain and land management
- Gives advice on planning for biodiversity protection and enhancement

For further information see [www.bsigroup.com](http://www.bsigroup.com)

### Opportunity to Witness the Quality Management Committee in Action

A public forum is being held by the UK quality management committee this June at the Manchester Business School. This is likely to be a popular event, especially due to the number of changes happening to the key management standards at the moment.

The event aims to:

- Widen stakeholder understanding of and involvement in the development of standards
- Encourage and convince new organisations to be part of the development of ISO 9001
- Communicate the latest news on the updates and revisions to ISO 9001
- Answer and address concerns that the audience may have with regard to the ISO 9001 changes.
- Show how the revisions should make the standard more relevant and easier to use by non-manufacturing sectors and small and medium enterprises

This is an opportunity to find out more about what is in the FDIS prior to its publication in July. It is a free event and information on how to register for this event can be found at <http://www.bsigroup.com/en-GB/forms/events/2015/2015-06-09-ISO-9001-Forum/>