BSI – the UK National Standards Body: The Role of Standards

Anthony Burd - Head of Sector - Construction
This Session

• The BSI Group and the role of standards

• British Standards Fire Update

• How to get involved

• Questions
Who is BSI?

- **Leading Global Standards Creation Body:** British, European, ISO, Public, Private
- **The UK National Standards Body:** The source of British Standards
- **Specialist Focus** on Standards Creation, Training and Certification
- **Global Network:** 70,000 clients in 150 countries worldwide including governments, global brands and SME’s
- **Experienced:** The world’s first National Standards Body established in 1901 and a founding member of ISO
- **Thought Leaders:** Shaped the world’s most adopted standards, incl. ISO 9001
- **Trusted:** We’re a Royal Charter Company, reinvesting profits back into our business to improve our clients’ experience
A truly global brand and network – trusted and recognized

- Clients in 150 countries
- 65 offices worldwide
- 3 regional hubs in UK, US and Hong Kong

- Stimulating international trade
- Facilitating governance, risk & compliance
- Certifying and verifying global suppliers
Mass production and electricity triggered the first requirement for technical Standards

Antwerp 1903, same year that BS 1 was published
BS1

A standard for interoperability
Over 100 years expertise shaping global standards to facilitate trade and improve business

**Product Specification Standards**
- Beginning in 1901, initial Standards focused on **product specifications** to harmonize and facilitate commerce and reduce duplication
  - Railroad gauges
  - Steel specifications
  - Construction standards
  - Agricultural commodities
  - Consumer and electrical products
  - Personal safety equipment
  - Medical devices

- Product Specification Standards remain relevant today driving **interoperability** and **innovation** in areas such as smart cities and regenerative medicine (e.g. stem cells)

**Process Standards**
- The next generation of standards focused on **business processes** to ensure consistent quality output

- BSI shaped the original standards for:
  - Quality Management (ISO 9001)
  - Information Security (ISO/IEC 27001)
  - Environment Management (ISO 14001)
  - Health & Safety (OHSAS 18000)
  - IT Services Management (ISO/IEC 20000-1)
  - Business Continuity (ISO 22301)
  - Sustainable Events (ISO 20121)

**Organisation Potential Standards**
- BSI’s new generation of Standards are centred around **people behaviour and values** to help organizations reach their full potential and protect their corporate reputation

- Key standards include:
  - Anti-Bribery
  - Corporate Social Responsibility
  - Collaborative Business Relationships

**Business Process Standards**

**Business Potential Standards**

**Organisation Potential Standards**

**Product Specification Standards**

**Process Standards**

**Organisation Potential Standards**

**Founded 1901**
The importance of separating standards and regulations

STANDARDS
• Voluntary, market-led
• Full stakeholder engagement
• Written by experts
• Open Public consultation
• Maintained and reviewed

REGULATIONS
• Minimum legal requirements
• Written by lawyers for Governments
# BSI – a Global Standards Development Organisation

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total staff</td>
<td>300</td>
</tr>
<tr>
<td>Subscribing members</td>
<td>14,900</td>
</tr>
<tr>
<td>Committee members</td>
<td>&gt;10,000</td>
</tr>
<tr>
<td>Technical and Subcommittees</td>
<td>1,200</td>
</tr>
<tr>
<td>Live projects (ISO/IEC/CEN/CLC and national standards)</td>
<td>7,000</td>
</tr>
<tr>
<td>International/European secretariats</td>
<td>190</td>
</tr>
<tr>
<td>International and European Standards work</td>
<td>93%</td>
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BSI – a Global Standards Development Organisation

BSI as NSB manages BS, EN & ISO, IEC standards

Int’l Standards (ISO IEC)

Regional Standards (e.g. EN)

National Standards, e.g. British Standards (BS)

Sponsored standards – BSI PAS

Private and Consortia Standards

Corporate Technical Specifications

Professional Codes, Guidance, Best Practice

PAS route to national and international standards

Private & professional standards, codes and guidance
Standards are knowledge of ‘what good looks like’.

Standards are a tool to share information with other stakeholders.

Standards can be seen as the flip side of IP tools, used to protect information.
BSI Construction Sector

• The largest sector within BSI -
  • 100+ Technical Committees
  • 300+ Sub-Committees
  • 3500 Committee Members
  • 3250 Standards
  • 300-400 New or revised standards every year

• Highly Regulated – Building Regulations, RR(FS)O, H&S...

• Major European Directives - Construction Products Regulations, Energy Performance of Buildings, Safety of Machinery...

• Sector covers building design to demolition, and everything in-between...
Fire Strategy – Where we are in 2014?

• Strategic committee FSH/0 was formed as a platform for stakeholders to discuss key priorities within the fire and construction sectors

• Engagement with key Government departments, the Fire and Rescue Authorities, and co-ordination with fire industry

• Seminars being organised to present standardization to key stakeholders and to better understand what is needed from BSI
### Our Fire Committees

<table>
<thead>
<tr>
<th>FSH/0</th>
<th>Strategic Policy Group</th>
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<tbody>
<tr>
<td>FSH/01</td>
<td>Fire Safety Cables</td>
</tr>
<tr>
<td>FSH/02</td>
<td>Fire extinguishers</td>
</tr>
<tr>
<td>FSH/09</td>
<td>Fire Terminology</td>
</tr>
<tr>
<td>FSH/12</td>
<td>Fire detection and alarm systems</td>
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<tr>
<td>FSH/14</td>
<td>Fire safety precautions in buildings</td>
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<tr>
<td>FSH/16</td>
<td>Hazards to life from fire</td>
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<tr>
<td>FSH/17</td>
<td>Fire and rescue service equipment</td>
</tr>
<tr>
<td>FSH/18</td>
<td>Fixed fire fighting systems</td>
</tr>
<tr>
<td>FSH/19</td>
<td>Fire precautions in Railway transport</td>
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<tr>
<td>FSH/21</td>
<td>Reaction of fire tests</td>
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<tr>
<td>FSH/22</td>
<td>Fire resistance tests</td>
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<tr>
<td>FSH/24</td>
<td>Fire safety engineering</td>
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<tr>
<td>FSH/25</td>
<td>Smoke and heat control systems</td>
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<tr>
<td>FSS/0</td>
<td>Fire safety and Security systems</td>
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<tr>
<td>GEL/89</td>
<td>Fire hazard testing</td>
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<tr>
<td>I/-/01</td>
<td>Safety of candles and related products</td>
</tr>
<tr>
<td>PH/04</td>
<td>Respiratory Protective Equipment</td>
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High profile fire standards up for review...

- **BS 9991** - *Fire safety in the design, management and use of residential buildings – Code of practice* is being revised to take into account sheltered accommodation and vulnerable persons. Due for publication in September 2015.

- **BS 9999** – *Code of practice for fire safety in the design, management and use of buildings* will also be reviewed, however work will not start until BS 9991 has been published as the two documents need to align.
Draft Review

An easy way to comment on draft standards

1. Search
   Use the search bar below or browse by category to find standards relevant to your business or industry

2. Read
   Read and review the current standard and think about how it would affect you and your business

3. Comment
   Comment on the draft standard and help shape its future

4. Share
   We make it easy for you to share standards and comments with colleagues

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Search by Keyword

View all current drafts

Browse by subject

- Signs, symbols & product specifications (0)
- Measurement & science (14)
- Healthcare (18)
- Engineering (57)
- ICT (35)
- Construction (24)
- Commercial & consumer (14)
How to get involved

• Getting in touch
  • New ideas
  • Suggestions

• Committee membership
  • Commitment
  • Training
  • Representation
  • Networking
  • Setting the standard

Customer Services: cservices@bsigroup.com

@ConstructionBSI
BSI – The role of standards - Questions

Thank you

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