

Introduction to BSI and standards

Rosie Harper, Programme Manager, BSI



An introduction to BSI



By Royal Charter

- **Experienced:** The **world's first National Standards Body** established in 1901 and a **founding member of ISO**
- **Trusted:** established by Royal Charter, reinvesting profits back into our business to improve our **clients' experience**
- **Independent:** acting in the national interest balancing industry, government, and societal needs and expectations
- **Leading Global Standards Creation Body:** British, European, ISO, Public, Private
- **Specialist Focus** on Standards Creation, Training and Certification
- **The UK National Standards Body:** The source of **British Standards**, members of CEN and ISO
- **Global Network:** **70,000** clients in **150** countries worldwide including governments, global brands and SME's
- **Thought Leaders:** Shaped the world's most adopted standards, incl. **ISO 9001**

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)



Product Specification Standards

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)



Business Process Standards

Organisation Potential Standards

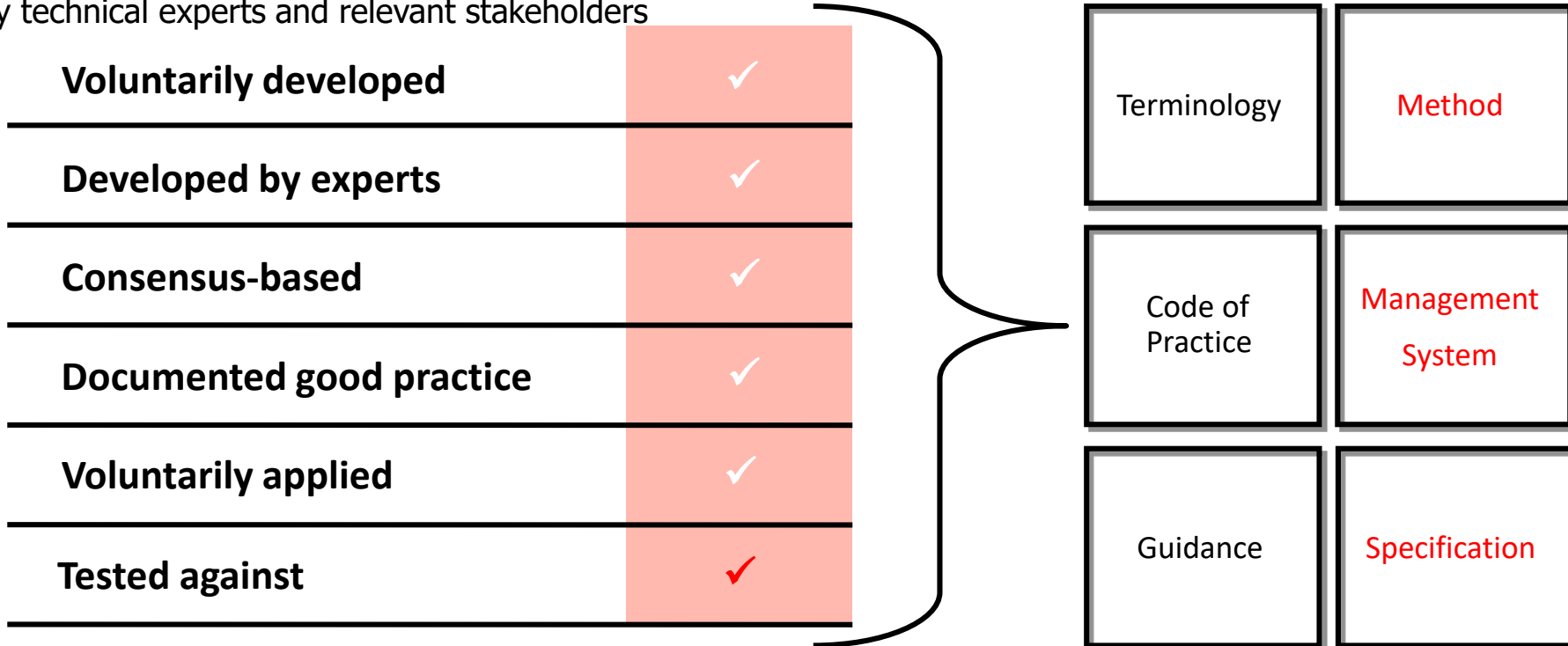
- BSI's new generation of Standards are centred around **people behaviour and values** to help organizations reach their full potential and **protect their corporate reputation**
- Key standards include:
 - Anti-Bribery
 - Corporate Social Responsibility
 - Collaborative Business Relationships



Business Potential Standards

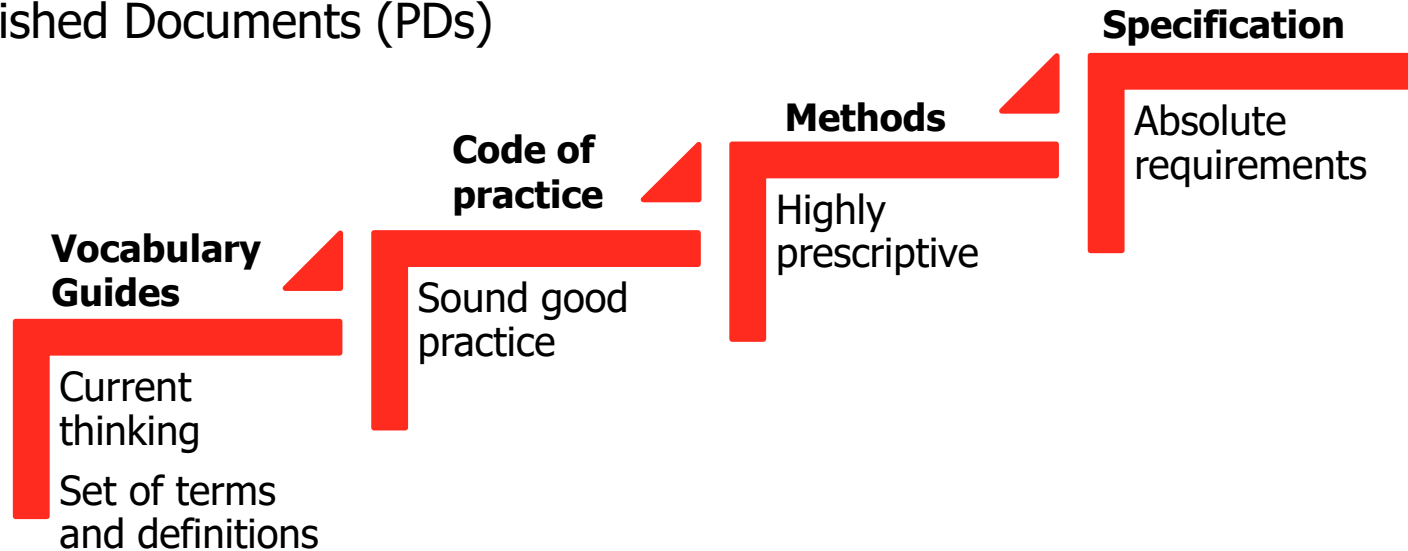
What is a BSI Standard?...

A set of ***documented principles that are agreed, developed and applied voluntarily*** by technical experts and relevant stakeholders



Types of standards

- British Standards (BSs)
- Public Available Specifications (PAS)
- Published Documents (PDs)



Range of BSI documents

Product specification	<i>Prescriptive and detailed absolute requirements</i> used for high degree of safety assurance (<i>e.g Construction products under the CPR</i>)
Code of practice	<i>Recommend good practice</i> offer indicative benchmarks with some flexibility (<i>commonly used in civil engineering/construction</i>)
Methods	<i>Prescriptive documents</i> Specify repeatable activities such as measuring and testing
Vocabulary	terms and definitions to help harmonise the use of subject language
Guides	less prescriptive advisory documents reflecting current thinking

Formal
British
Standard
(BS)

Publicly
Available
Specification
(PAS)

Why does industry use Standards?

- to enhance their reputation (84%)
- to help optimise compliance with regulations (89%)
- to allow greater control of environmental problems (73%)
- to encourage innovation through diffusion of knowledge (50%)

Construction specific...

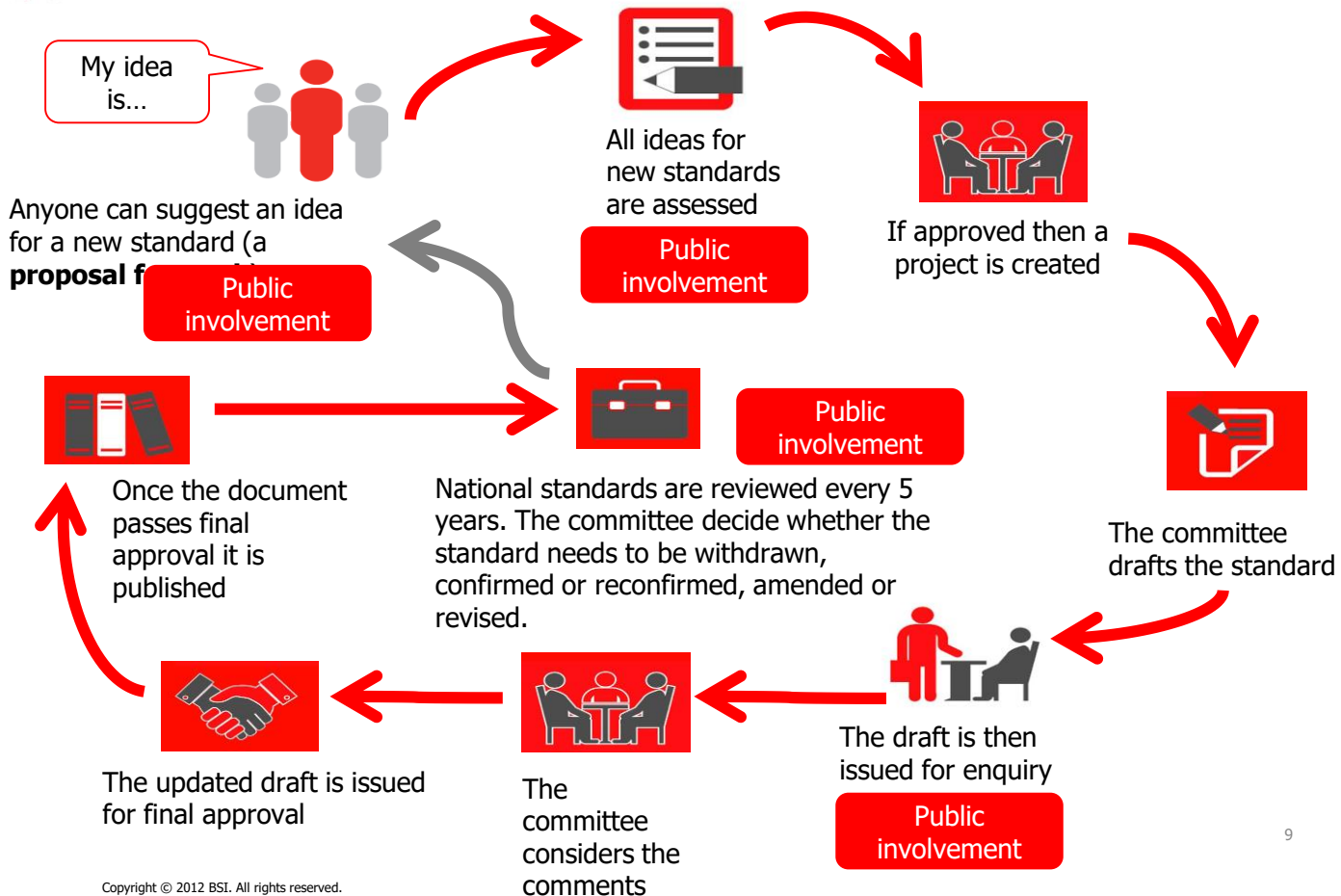
- they help reduce on site accidents
- they improve customer satisfaction by streamlining processes
- they improve the quality of products and services through benchmarking

Fire and related committees

- FSH/17 – Fire and rescue service equipment
- PH/4 – Respiratory protective equipment
- PH/14 Fire fighter's personal protective equipment (PPE)
- FSH/18 – Fixed fire fighting systems (sprinklers, water mist gaseous, foam, powder)
- FSH/25 – Smoke and heat control systems and components
- FSH/14 – Fire safety precautions in buildings (BS 999x series)
- FSH/12 – Fire detection and alarm systems
- FSH/24 – Fire safety Engineering (BS 7974 series)
- FSH/16 – Hazards to life from fire (toxicity matters)



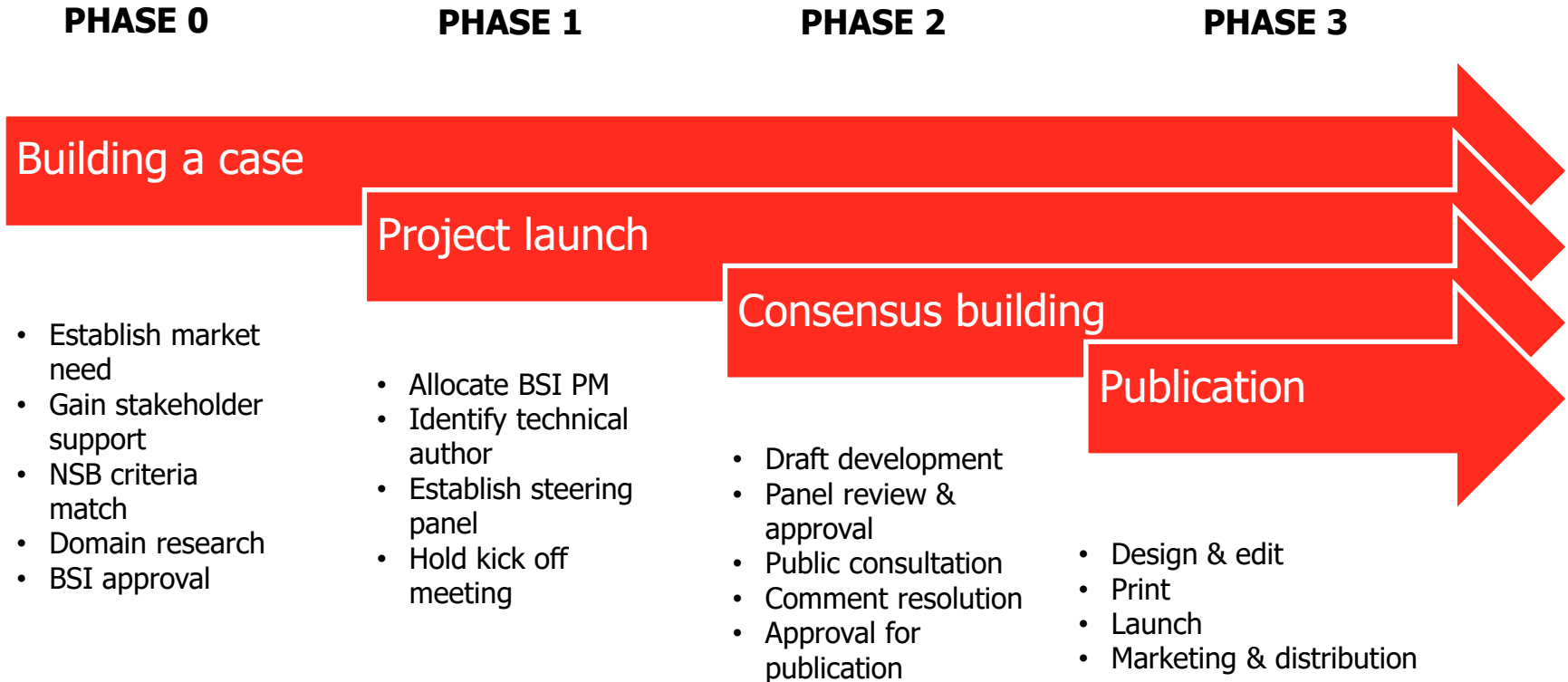
SI. All rights reserved The Standards Making Process



ONGOING OR NEW WORK

- REVISION OF BS 750 – UNDERGROUND FIRE HYDRANTS
- NEW WORK ON BS XXXX
- BS 8617 – CLEANING, MAINTENANCE AND REPAIR OF FIREFIGHTER'S UNIFORMS (ENSEMBLE)
- BS 9992 – FIRE SAFETY PRECAUTIONS IN RAILWAY BUILDINGS AND WALKWAYS
- BS XXXX – PERSONAL PROTECTION SYSTEMS (FOR VULNERABLE PERSONS)
- REVISION OF BS 9251 – FIXED FIRE FIGHTING SYSTEMS – SPRINKLERS FOR BUILDINGS OVER 18M
- REVISION OF BS 7346 SERIES – SMOKE AND HEAT CONTROL SYSTEMS AND COMPONENTS

British Standards development – a robust process



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 Government



2011 No. 1881

CONSUMER PROTECTION

The Toys (Safety) Regulations 2011

Made - - - -

24th July 2011

Laid before Parliament

29th July 2011



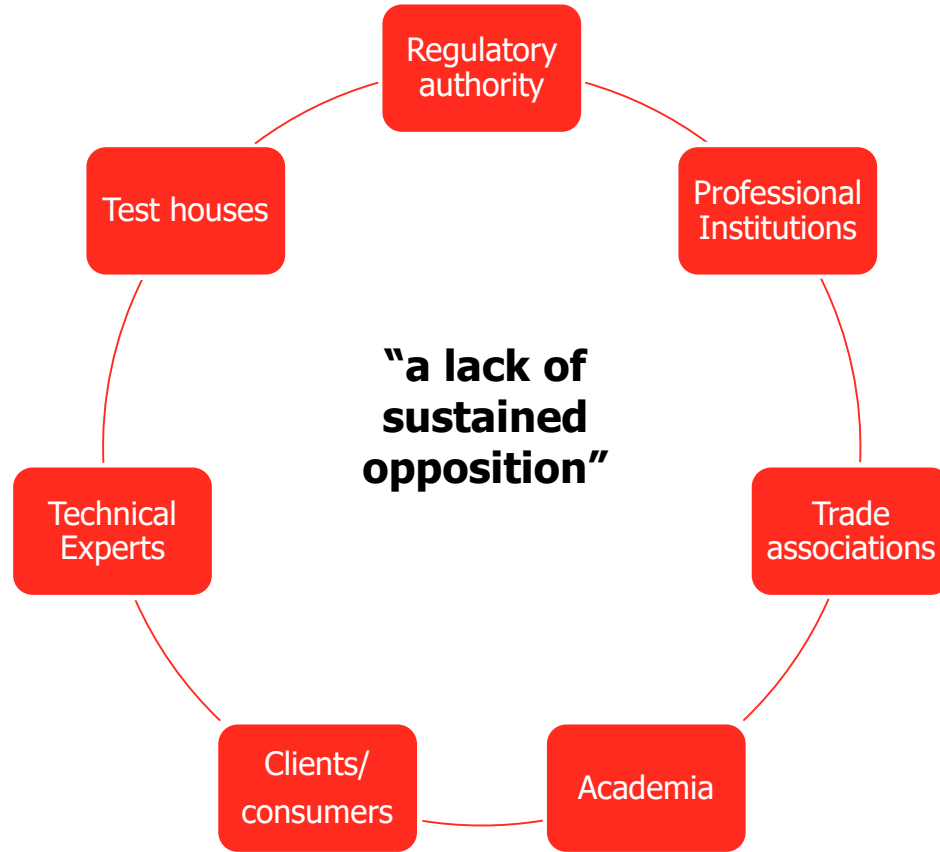
Standards and regulations

How can standards work alongside policies and regulations?



What standards you have a right to expect from the regulation of your care home

An outline of stakeholder consensus



Range of BSI documents

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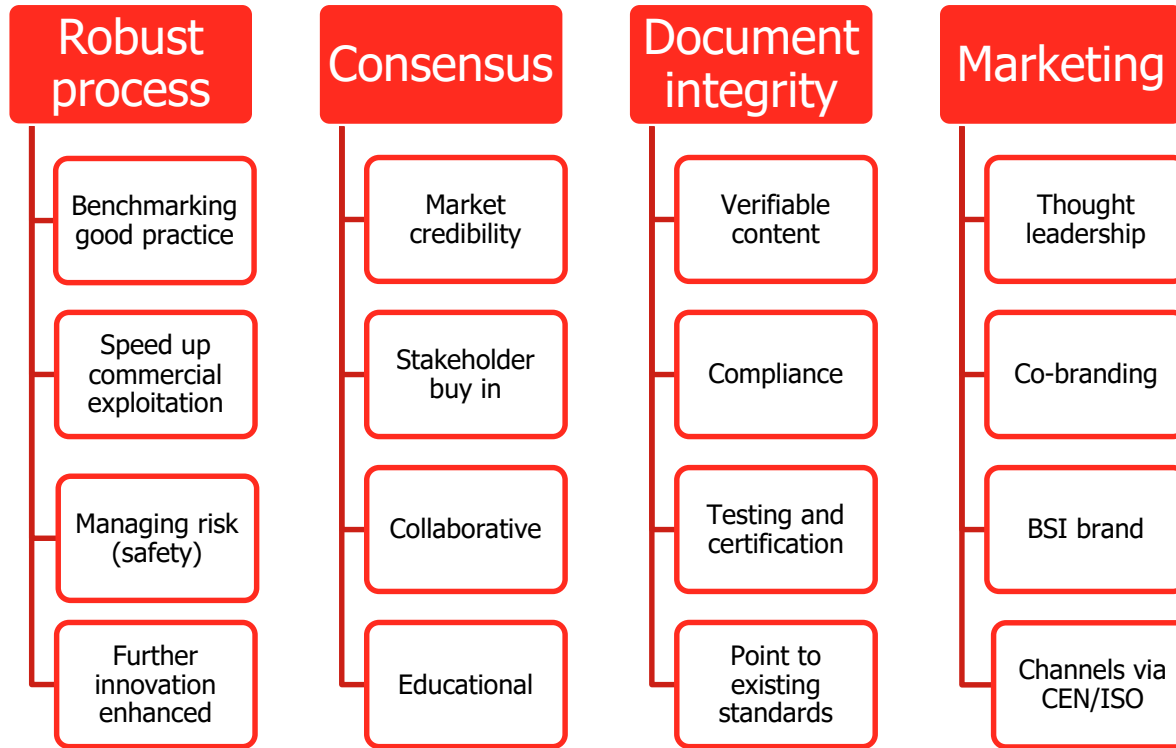
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BS Standards and Publicly Available Specifications

ASPECT	British Standard	PAS
Product Description	British Standard developed by a national committee	Publicly Available Specification commissioned by a sponsor
Development Process / Style	Formal process; written as a <i>standard</i> and edited to BS 0, black and white	Flexible, partially tailored process; written as a <i>standard</i> and edited to PAS 0, full colour
Consensus	High; extensive consensus building process with public consultation	High; extensive consensus building process with public consultation
Committee Structure	Committee participation through nomination by stakeholder organisations, unlimited size	Steering group selected by BSI; typically limited to 15 stakeholders; can be international
Consultation	Includes a 2 month public consultation stage	Includes a 4 week public consultation and targeted review
Influence / Copyright	Low influence over content; BSI owns copyright	Medium influence over content; BSI owns copyright
Route to ISO	Direct established route to EN and ISO	Enabled to be submitted straight to EN and ISO
Branding	No co-branding	Co-branding with BSI
Relationship with certification	Can be used for certification if written as a specification	Can be used for certification if written as a specification
Development Time	18-24 months	9-12 months

Benefits of standards in new market development



A standardized process for making British Standards



What is a PAS (Publicly Available Specification)



- Fast, flexible, consensus driven standard suitable for certification purposes
- Client sponsored solution, developed for market needs
- Endorsed by BSI and co-branded with clients
- Developed in 9 to 12 months
- Potential for submission into formal national standards (i.e. BS or ISO) as a seed document

See www.bsigroup.com/pas