



Standards to support digital transformation

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IN PEOPLE | Silver



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Standards to support digital transformation

Knowledge Solutions update

- The NSB in figures
- Supporting digital industries
- Digital innovations in BSI
- Research on usage of standards
- Brexit, CEN and CENELEC

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National Standards Body in figures	2016-17	2015-16	2014-15
Total employees (FTE, April)	334	344	326
Subscribing members	13,800	13,800	13,950
Committee members	11,500	11,326	10,950
Technical and Subcommittees	1,206	1,200	1,200
New standards published	2,676	2,877	2,494
Standards withdrawn	1,336	1,735	1,888
International/European secretariats	202	199	198
AITS take up (number of claims)	2,401	2,335	2,542
Standards Forums attendance	267	283	272

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Transport Systems Catapult and BSI: Connected and Autonomous Vehicles

- Published research exploring standardisation priorities for connected and autonomous (road) vehicles to accelerate the development of the UK CAV market.
- Proposal to deliver a high-impact standards programme backed by a dedicated CAV standards community.

Connected and autonomous vehicles
A UK standards strategy
Summary report
Prepared by BSI and the Transport Systems Catapult
March 2017

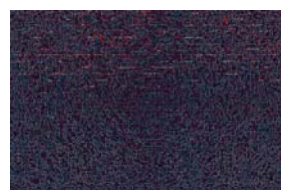
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High Value Manufacturing Catapult and BSI: Digital Manufacturing

- BSI is a Steering Group member of D4I, researching standards for digital manufacturing, aligned with the development of a national strategy.
- This group is now feeding into the Industrial Digitalisation Review in the context of the Industrial Strategy.
- Initial opportunities identified include:
 - interoperability,
 - supply chain capability,
 - through-life end-to-end connected supply chains (design),
 - through-life end-to-end connected supply chains (service innovation), and
 - governance, security and assurance of data.



Acceleration of digital innovation by UK manufacturing supply chains
The role of standards
Presented by BSI
May 2017

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Future Cities Catapult and BSI: the Cities Standards Institute

A collaboration between FCC and BSI to accelerate the development of the smart cities market:

- convening a community of good practice,
- enabling strong collaborative city leadership,
- working across disciplines and city depts,
- exploiting data and integrated technology,
- agreeing the standards roadmap,
- using a holistic interoperable city system.



CITIES STANDARDS INSTITUTE

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Future Cities

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Innovation for the digital economy: health, BIM, cyber, IoT

PAS 277:2015
Health and wellness apps – Quality criteria across the life cycle – Code of practice

PAS 1192-3:2014
Specification for information for the operational building information

PAS 1192-3:2015
Specification for security-minded building information modeling, digital built environments and smart asset management

PAS 212:2016
Automatic resource discovery for the Internet of Things – Specification

Innovate UK
CPNI
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HYPERCAT

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Innovation in Building Information Modelling (BIM)

www.level2BIM.org

BIM Level 2 standards include:

- Information management for operational phase of assets,
- Collaborative production of information,
- Cyber security considerations.

BSI is now working to promote adoption of PAS 1192 by ISO.

ISO/WD 19650-1
Organization of information about construction works -- Information management using building information modelling -- Part 1: Concepts and principles

ISO

“Standards play an important role in ensuring the wider adoption of BIM technologies, processes and collaboration by ensuring that the same accurate data can be accessed throughout the supply chain.”

Mark Bew, MBE
Chair of the HM Government BIM Task Group

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New research on attitudes to standards



High usage sectors



Low usage sectors



Independent research by BritainThinks, 2017

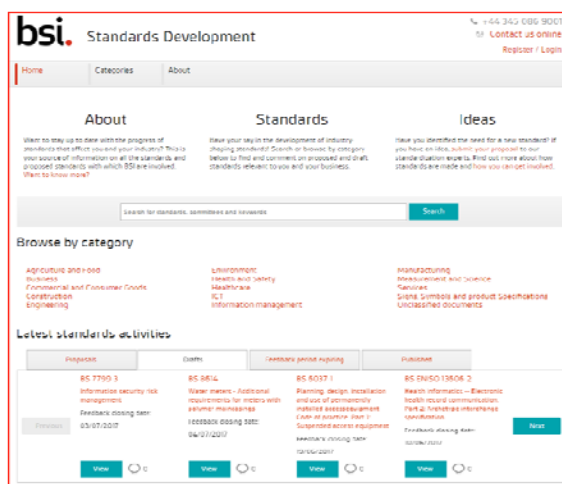
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New Standards Development Portal

Our new environment combines BSI's 3 previous standards development tools into one user-friendly environment. It enables:

- Involvement in standards and PAS development,
- Discovery of information on BSI committees,
- Searching and comment on proposed and draft standards,
- Proposal of ideas for new standards.

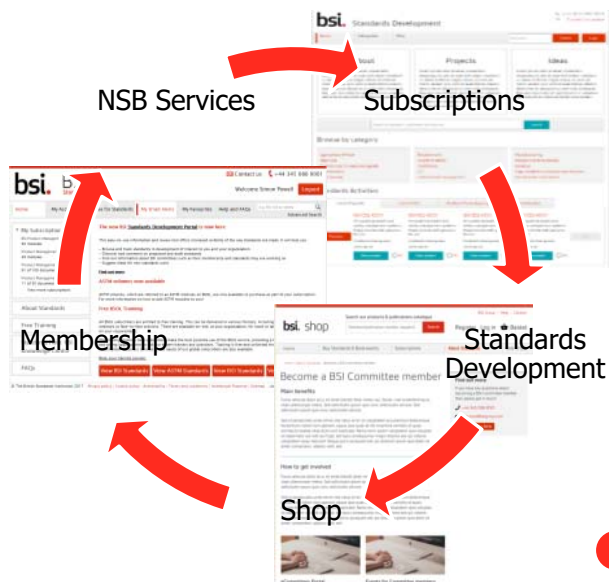


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Under Development in 2017

- Creation of a new unified, integrated web presence for the NSB and Knowledge Solutions, including the BSI Shop,
- Integration of Standards Development Services into our core offerings (Shop and BSOL),
- Continued digitisation of our Membership Services (Member's Portal and PLUS service).



The UK's future relationship with the EU

BSI's ambition is to continue as a full member of CEN and CENELEC

- Engagement with new government departments since the referendum,
- Webinars and communications with members,
- BSI mentioned in the UK white paper,
- Secondments into government on standards policy,
- Support from European partners.



The United Kingdom's exit from and new partnership with the European Union



CEN and CENELEC Annual Meeting 20-22 June 2017, Edinburgh

BSI hosting the annual European standards event for the first time since 2002

- 43 National bodies from across Europe,
- European Commission, national authorities, international guests,
- European industry associations, societal groups,
- A key element in BSI's Brexit positioning.

#standardsmatter17

- Additional day of workshops, debates, panel discussions, exhibitions
- Open to BSI members



ANNUAL MEETING EDINBURGH 2017



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