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The British Standards Institution

BSI Standards Report to the Department
of Business, Innovation and Skills

Use of BIS funding for the financial year 1 April 2011 to 31 March 2012

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1. Executive Summary



BSI promotes knowledge about standardization in higher education in order to support the next generation of leaders for industry and business.

1.1 Introduction

For 2011/12 BSI Standards (BSI) continued to implement its strategy of providing a clear market sector focus for the standardization work programme with an ongoing objective of enabling timely and effective responses to the needs of UK plc and associated UK Government (HMG) priorities across each sector.

This work is largely funded by BSI, however in key areas of public policy interest and HMG innovation priority, HMG fund these activities.

Throughout the funding year BSI standardization and standards related activities were successful in meeting the objectives set through the annual funding agreement set out between the Department for Business, Innovation & Skills (BIS) and BSI. This report sets out the successes achieved throughout the year.

1.2 Financial

The overall funding allocation for the funding year 2011/12 was £4,644k plus an in year agreement of £89k targeted for the 'Smart Cities' initiative (see section 7). The full BIS funding contribution towards standards-related activity was used. Total expenditure on these activities exceeded the 2011/12 BIS funding allocation with BSI making up the shortfall. BSI provides substantial support for further activities in addition to the traditional National standards Body (NSB) activities with which the funding is associated, in committee member training, higher education and work with initiatives in other standards bodies that are developing a standards infrastructure.

1.3 Support for Standards

- BSI continues to improve its standards development tools to ensure it provides an excellent, accessible service to its committee members and to its wider stakeholders, and to maximize the transparency of its standardization activities.
- BSI continues to take leadership positions in the European (CEN/CENELEC) and international (ISO/IEC) standards bodies to deliver the maximum influence for the UK.
- Working with donor agencies, BSI has delivered projects to support the standards and quality infrastructures in countries across the globe, including key trading partners, emerging economies and developing countries.
- Through continued investment in technology BSI has improved the accessibility for SMEs to the standards development process. These improvements include a variety of web-based tools which allow access to the work programme or the ability to view documents at key stages and comment upon them.
- BSI is working within the European and international standards bodies to ensure their standards are produced in a timely manner and meet an agreed market need.
- BSI promotes knowledge about standardization in higher education in order to support the next generation of leaders for industry and business.
- BSI has increased the speed to market for published documents; European and international standards are now available from BSI more quickly than ever before. The focus on this activity is in response to industry requests, and can improve the UK's competitive advantage.

1.4 Support for Standards Development

- BIS funding contributes towards full programme management support for 119 UK standards technical committees whose work programmes largely comprise European and international work with some additional national work.
- BSI is the gateway for interested UK parties to participate in international standardization, facilitating the publication of 1,526 standards and related documents during in the year.
- BSI continues to provide a proactive programme of standardization supporting HMG policy priorities with particular focus on BIS priorities in support of emerging technologies.

1.5 Support for Participation in Standardization

- Celebrating 60 years of consumer involvement in standardization in the UK, BSI has refreshed its network of experts and hosted, with co-funding from BIS, the international forum for consumer involvement in standards – ISO COPOLCO (the consumer policy committee of the international organization for standardization).
- BSI has continued to increase contact with Higher Education establishments in the UK and has made significant input to the development of a European strategy for education in standardization. Good practice has been shared with other standards bodies.

- BSI launched an improved online draft review system in January 2012, in order to make it easier for users to find, read, comment on and share draft standards. Modifications include a new search facility that finds drafts using any information or keywords entered. This is particularly good for new users who are unfamiliar with standards. The site now has European and international draft standards as well as Publicly Available Specifications (PAS) and British Standards (BS) drafts, whilst users can now share drafts with colleagues via Facebook, Twitter, LinkedIn and email. Users can modify their profiles to subscribe to particular categories. When a new draft in that category is available, users are automatically notified.
 - There are now over 28,000 registered users of the site. 5,107 people visited the website in April 2012. 3,342 of those were new visitors and 1,765 were returning visitors.
 - BSI is one of very few standards making bodies providing open access to standards in this way.

2. Background



There is specific development in emerging technology areas in support of the Technology Strategy.

2.1 National Standards Body

BSI has a Memorandum of Understanding (MoU)¹ with HMG that explains BSI's role as the UK's NSB.

This role includes organizing UK interest in European standardization. The importance of standards in supporting EU legislation is demonstrated by the view expressed by the European Commission, Directorate General for Enterprise and Industry, "The European Union has, since the mid-1980s, made an increasing use of standards in support of its policies and legislation. Standardization has contributed significantly to the support of the completion of the Internal Market in the context of the New Approach legislation, which refers to European standards developed by the European standards organizations CEN, CENELEC and ETSI."²

Effective participation in the European standards organizations safeguards UK interests by ensuring that the standards used to demonstrate compliance with European Directives are acceptable to the UK.

BSI has worked alongside HMG to promote the interests of the UK in the negotiations over the future of the European standardization system and in a new European regulation on standardization which will be implemented in 2013.

After a broad consultation process, BSI reviewed and revised *BS 0 – A Standard for Standards, Principles of Standardization*, which sets out how British Standards are developed and maintained. The public review of BS 0 received over 1,000 comments from BSI's stakeholders and has been fundamentally re-written. The new version was implemented on 1 January 2012.

In 2011/12, BSI modified its legal structure to clearly separate its NSB activities from its standards development, publishing and assurance activities. The Director of Standards continues to represent the NSB responsibilities, maintaining the position on the main board of BSI.

2.2 Areas of activity supported

In recognition of the importance of the work that BSI undertakes, and the fact that some aspects of this are not self-funding, BIS contributes financially to supporting specific areas of activity in three main areas:

'Support for Standards', which provides support for activities that promote standardization and supports the infrastructure that is necessary for the UK to participate effectively in European and international standardization. The fund includes provisions for a number of activities including a subscription fee that gives all HMG departments and agencies benefits of a large discount on the purchase price of standards published by BSI.

'Support for Standards Development', which covers activities that are related to developing standards content. The majority of the total funding is made available for these development activities with priority given to areas that promote a number of HMG policies, including competitiveness, innovation, reduction of trade barriers, fair trading and protection of consumer interests, environmental protection and public procurement. There is specific development in emerging technology areas in support of the Technology Strategy.

¹ <http://www.bis.gov.uk/assets/biscore/corporate/migratedd/publications/f/file11950.pdf>

² http://ec.europa.eu/enterprise/policies/european-standards/index_en.htm

'Support for Participation in Standardization', which provides support to UK participants in European and international standards work in the form of a contribution towards travel costs. The presence of UK delegates at overseas standards meetings can be critical in ensuring that UK interests are represented and protected during the preparation of European and international standards. Without this assistance, a significant number of experts and delegates would not be able to participate in these meetings

	Original funding allocation (£k)	Agreed movement of funds up to 25% (£k)	Final funding allocation (£k)
Support for Standards			
BSI membership for HMG	350		350
Contribution to membership of ISO/IEC/CEN/CENELEC	276	80	356
TOTAL	626	80	706
Support for Standards Development			
Standards development programme (incl. staff travel)	1,504	82	1,586
Priority Areas Standards development programme	1,000	(75)	925
Management Fee	54	0	54
E-learning Package for Government	10	0	10
TOTAL	2,568	7	2,575
Support for Participation in Standardization			
Assisted Travel Scheme (AITS)	1,360	(86)	1,274
Support for Consumer Participation in Standardization (including assisted consumer travel)	90	(7)	83
IFAN Event Contribution	0	6	6
TOTAL	1,450	(87)	1,363
Additional Funding			
Smart Cities	89	0	89
TOTAL	89	0	89
TOTAL FUNDING	4,733	0	4,733

3. Support for Standards



The BSI membership team continues to work with BIS to confirm the best way to make more HMG departments aware of the membership benefits.

3.1 BSI membership for HMG

Objectives

Government Departments and Agencies undertake a central BSI membership agreement that enables Government Departments and their Agencies to access standards in a comprehensive and cost effective way (50% discount) as well as accessing all other BSI Membership benefits including alerting, advisory and information services.

1. Provision of Membership benefits to all Government Departments and Agencies. From 1 April 2011 to 31 March 2012.
2. BIS, as the lead government relationship with BSI, to receive a free BSOL subscription to all modules for department use only. Extensions to other HMG bodies are excluded. Commences 1 April 2011 to 31 March 2012.
3. Provision of a list of Government Departments and Agencies covered by the HMG Membership that are currently on the BSI system. Review the list with BIS to identify any gaps by December 2011, followed by a confirmation letter to all departments that are covered. BIS to agree contacts. See 4.
4. Support to BIS in the promotion of BIS-funded membership benefits to all eligible Government Departments and Agencies, through direct liaison between BIS & the BSI Membership team to establish programme.
5. Provision & communication of Quarterly & Full Year Funding Reports to BIS.

All HMG departments and Executive Agencies were provided with access to the full range of equivalent BSI member services. These include:

- 50% discount on single copy British Standards and British Standards Online subscription,
- 50% discount on British Standards Online (BSOL) supplements taken on third party platforms,
- Discounts on BSI conferences,
- 10% discount on IEC, ISO and other foreign standards,
- Free p&p and credit facilities, including online credit,
- Access to a series of current awareness services including PLUS (Private List Updating Service),
- Update Standards magazine and Business Standards online magazine,
- A dedicated Member Enquiry Line at the BSI Knowledge Centre and detailed subject searches using BSI's specialist standards databases,
- Inexpensive access to international and foreign national standards, including American, and DIN standards, through BSI's postal loan service.

Several Government Departments continue to be managed as 'key accounts' where appointed BSI key account managers work closely with their HMG contacts to develop a strong working relationship, ensuring individual Department and Agency requirements are met.

The BSI membership team continues to work with BIS to confirm the best way to make more HMG departments aware of the membership benefits available to them, and will continue to do this in the next funding year. BSI and BIS are co-developing a portal (tailored home page) to facilitate access.

This activity is carried out in conjunction with ongoing efforts to promote BSI and standardization within Government departments as well as BSI supporting BIS in every meeting of the cross-governmental Taking Standardization Forward committee and resulting follow up activities.

3.2 Contribution to membership of ISO/IEC/CEN/CENELEC

Objective

1. Ensure that the UK's obligations under Directive 98/34 EC have been fulfilled.
2. Ensure BSI maintains an appropriate presence on key international and European committees and fora to enable UK to be influential on standards policy matters.
3. Provision & communication of Quarterly & Full Year Funding Reports to BIS.

This contribution to international and European subscriptions represents part of BIS's direct support to the standards infrastructure. Membership of international and European standards organizations supported through this contribution enables the UK to maintain a standards infrastructure consistent with European standards policy as required by the MoU between BSI and HMG.

Membership also opens gateways for international discussions; enabling UK stakeholders to participate in the development of International and European standards, and BSI to influence at a high level the policies and strategies of international standards organizations (e.g. ISO, IEC, CEN and CENELEC) on behalf of the UK.

Under the provisions of Directive 98/34 EC, EU Member States are required to notify any new national standards being developed. During this year, a total of 194 new BS projects were reported to CEN/CENELEC.

BSI participates in all the key policy development committees of the international and European standards bodies, including the Administrative Boards and Technical Boards.

The UK provides leadership in key areas for the UK, including energy management, sustainability, quality management, nanotechnologies, environmental management and wave energy.

The BIS contribution is approximately 16% of BIS's annual subscriptions to ISO, IEC, CEN and CENELEC.

CEN and CENELEC

- SME issues: BSI continued to lead the CEN/CENELEC SME Access Project, aimed at improving the way SMEs access standards, which concluded its work and established two task forces to carry on the practical elements of communications to SMEs (and working through the '58 recommendations' for standards for SMEs) and to SMEs' trade associations.
- Key learning from the SME Access project has led to further work on those termed as 'societal stakeholders', such as NGOs, consumers and labour groups, and how information on standards and standards-making processes is presented to them, together with possibilities for participation in the process. BSI continues to lead initiatives such as the use of online technologies to broaden access to standards information and to encourage commenting on standards.
- Future of European Standardization: focus continued on this topic and grew in prominence during 2011–2012, with the publication of the proposed 'package' in May 2011. BSI has continued to work with BIS in the UK and with the CEN/CENELEC Management Centre to ensure that potential impacts of the proposed new regulation are understood and that key principles, such as that of decisions being made by national delegation are retained. At the close of the year, the proposed regulation was subject to continuing negotiations and consideration at the European Parliament's IMCO (Internal Market and Consumer Protection) committee. BSI has also worked to provide briefings to UK MEPs on the IMCO committee and has provided its views to BIS. BSI has also attended meetings with key European Commission and European Parliament figures to ensure that the UK's view on the 'package' is understood. The key focus has been on maintaining the stability of the European standardization system and the undesirability of allowing votes to parties other than national members.
- BSI has continued to be a key influencer in the work of the CEN Technical Board on balanced representation in technical committees.

- BSI has continued to provide one of two CEN members on the new CEN/CENELEC/ETSI working group on rules and processes.
 - BSI has supported the work of the CEN/CENELEC STAIR (Standards, Innovation and Research), which has moved from designing a framework to involve the research community in standards at an earlier stage to becoming a 'platform' for discussing interactions between the standards system and the research community. This group has good engagement with European Commission officials from both DG Enterprise and DG Research & Innovation.
 - BSI has led projects of significant importance in both CEN and CENELEC, including work on the market relevance of standards, new ways of working and stakeholder engagement.
 - BSI provides the chairmanship of the CEN Certification Board which provides advice to CEN on conformity assessment issues.
 - The Director of Standards continued his term as Vice President Policy of CEN. His key priority is to develop CEN's strategic vision to 2020.
 - The UK maintains the Presidency of CENELEC.
 - BSI is an active member of the CEN/CENELEC Joint Working Group on Education about Standardization.
 - Turkey joined CEN and CENELEC as a full member on 1 January 2012.
 - BSI has helped to develop key reforms in CEN and CENELEC to make the organizations more efficient and accountable.
 - BSI's Consumer & Public Interest Coordinator for Design for All represents the UK on a new CEN Strategic Advisory Group (SAG) for Accessibility. This SAG will mirror ISO/IEC work to revise ISO Guide 71 (guidance to standards developers in addressing the needs of older and disabled people).
- ISO and IEC**
- Terry Hill (former Chairman of ARUP Group) was elected the first UK President of ISO since 1958 at the September 2011 General Assembly. His term of office will start in 2013.
 - BSI hosted the meeting of ISO COPOLCO (Consumer Policy Committee) in London in May 2011. The event also marked the 60th anniversary of consumer participation in BSI. BSI sponsored delegates from 13 developing countries to attend.
 - ISO established a Task Force on governance involving the BSI Director of Standards to review the roles of the ISO officers and the structure of ISO's governance committees. Key decisions have been to extend the term of the ISO President and to establish a stronger finance governance committee.
 - BSI has continued to lead an ISO "Process Evaluation Group", aimed at investigating how ISO's standards development processes can respond to the changing dynamics of the ISO system, looking at all models of standards development work, and is using research based on the experimental way of working used by ISO's Social Responsibility committee, to see if any of this committee's ways of working can be adopted more generally to the benefit of the ISO system.
 - BSI continued to lead the ISO Technical Management Board's Sustainability Task Force, which developed a guide on how to include sustainability aspects in standards.
 - BSI continued to participate in ISO's 'Living Lab' project, which has taken a holistic view of the whole standardization process, end-to-end and from the perspectives of all those involved. The aim of the project is to suggest improvements for the entire standards development process, using computer-generated modelling to examine the implications of different processes.
 - In line with BSI objectives, IEC has agreed numerous activities for closer alignment with ISO/TMB.
 - BSI has continued to provide support for the IEC's initiative to attract young professionals to standardization and selected two potential candidates to attend the IEC's workshop at its General Meeting in 2011. A pilot national-level programme is also being developed by BSI as a model for other IEC members.
 - BSI has provided the Chair for the IEC Directives Management Team and the joint ISO/IEC Directives Management Team, and has been working to encourage ISO and IEC to work together where possible to minimize duplication and maximize efficiency.
 - BSI participated in the ISO/IEC/ITU Academic Conference promoting standardization in education.

- BSI provides a co-Chair for the ISO COPOLCO Consumer Participation Working Group. Members of BSI's Consumer & Public Interest Network co-chair the COPOLCO Training Working Group and lead on the topics of Symbols, Tourism and Personal data. BSI is referred to as an example of good practice throughout the new ISO guide to standards organizations on involving consumers in their work (see link to their press release where the document can be downloaded: <http://www.iso.org/iso/news.htm?refid=Ref1424>).

Information Supplied under Directive 98/34 EC

A total of 194 new British Standards projects were uploaded to CEN in the financial year, fulfilling the notifications required under the Treaty (see above).

April	4	October	16
May	7	November	12
June	20	December	17
July	5	January	30
August	9	February	23
September	8	March	43
Total			194

4. Support for Standards Development



A continued programme of proactive development of standardization supporting HMG policy priorities with particular focus on BIS Technology Strategy priorities.

Objectives

Support of the BSI standards development programme including: BSI programme management support for eligible committees meeting scheme criteria, access to international standardization provided for committees by the Committee Service Centre, staff travel in support of standards development and the drafting of standards by external experts.

1. Implementation of pipeline proposal for 11/12 Priority Area-funded programme of work, as agreed with BIS in relation to HMG priorities/policies.
2. Implementation of 11/12 Investment Case and Traffic Light Report templates for effective management and monitoring of the 11/12 Targeted Funding Innovation budget.
3. Provision & communication of Quarterly & Full Year funding Reports to BIS.

This funding is provided to contribute to the activities undertaken by BSI to meet the formal standardization needs of the UK and to facilitate UK participation in international standardization. These activities include:

- Provision of support via named BSI staff as Programme Managers for eligible UK national committees and European/International committees, including where the UK holds the secretariat of the latter.
- Provision of support via the BSI Committee Service Centre for some UK national committees, thereby providing a gateway to interested UK parties for participation in European and International standardization.

- A continued programme of proactive development of standardization supporting HMG policy priorities with particular focus on BIS Technology Strategy priorities via projects drawing on any of the unique mix of BSI standards development activities that encompass the whole range of standards strategy creation and delivery work within BSI's development service offering, e.g. pilots, research, document development, funded positions, etc.

As in 2010/11, BSI has continued to use its own funds to cover important work carried out by the BSI International Projects team, education and committee member training functions, which continue to flourish. BSI also provides support for consumer & public involvement in standards development by funding the BSI Consumer & Public Interest Unit and honoraria for the volunteer Coordinators of Consumer & Public Interest reps, working in specific topic areas.

4.1 Standards Development Programme

Under the scheme rules for the BSI Standards Development programme, funding is to be applied to loss-making UK committees with work programmes that support HMG priorities in relation to:

- Government or Public Interest
 - Regulation, Public Procurement, Consumer Protection & Safety.
- Pre-competitive Standardization supporting innovation
 - e.g. National Technology Strategy priorities.
- NSB international work programme
 - i.e. the activities the NSB conducts to fulfil its core function on behalf of the UK.

- Specific/urgent industry standardization
 - Promoting productivity or UK competitiveness in world markets through standardization that protects UK interests, exploits UK expertise and has a large impact on UK industry, including International Secretariats.
- Loss-making UK committees are identified as those where the utilization of resource - in the form of BSI staff supporting the UK committee and, where applicable, any corresponding BSI-run European or international Secretariats - exceeds the average annual income generated by sales of standards that can be assigned to an individual UK committee .
- Eligible committees with work programmes that support HMG priorities are identified as follows:
- A forecast of the eligible committees and the HMG priorities supported by their work programme is developed via a review of the work programme and drivers for UK committees and their corresponding UK-held secretariats supported by named BSI Programme Managers. The review is an integral part of the overall BSI Standards Market Development planning process whereby each sector team analyses their overall standards pipeline and forecasts resource requirements accordingly.
 - The utilization of resource in the form of BSI staff supporting UK committees and, where applicable, any corresponding BSI-run International Secretariats is monitored each quarter. At the end of the final quarter, the actual resource employed over the course of the funding year is determined and committees with their main HMG priority are confirmed, added to the initial forecast list or removed from the list as necessary.
 - The list of technical committees supported by Targeted Funding in the funding year is included in this report (see Appendix B).
- At the end of the funding year, 119 of the Technical Committees identified as candidates for support from Targeted Funding required support from this fund. The actual costs of supporting these committees and those managed via the BSI Committee Service Centre exceeded the available Targeted Funding contribution.

4.2 Spend Summary

Category ⁴	No. of eligible committees	Chargeable days worked Apr 11 - Mar 12	Funding requirement ³
1. Government or public interest Regulation, Consumer protection, Safety	64	1,156	£648k
2. Standardization supporting Priority Areas			
- BSI Priority Areas programme ⁵			£188k
- Priority Areas committees			
Innovation, Procurement, Better regulation, Sustainability, Infrastructure	40	1,459	£818k
3. NSB international work programme (includes technical and sub-committees)	443	2,387	£1,339k
4. Specific / urgent industry standardization Productivity and UK competitiveness	16	282	£158k
5. Management fee			£54k
TOTAL COST⁶		5,284	£3,206k

³ The full cost of the support in the areas shown is in excess of the funding provided with the shortfall provided for by BSI.

⁴ The total cost and days worked are assigned to one category only although some committees are eligible in more than one category.

⁵ Funding applied for Priority Areas projects relates to activity delivered in the year. The total value of projects committed to in the year was £560k in line with the prior year.

⁶ In the event that financial support is provided by another organization or part of HMG for BSI staff supporting an eligible UK national committee or UK-held secretariat the amount of BSI resource supported by BIS Support for Standards Development funding is reduced to reflect this additional support.

4.3 Priority Areas Standards Development programme

BSI again delivered a varied programme of standardization activity to support policy priorities and the innovation agenda, utilizing the unique mix of BSI standards development activities that encompass the whole range of standards strategy creation and delivery work within BSI's development service offering.

As in previous years, the cross-departmental 'Taking Standardization Forward' (TSF) committee (managed by BIS) was utilized to validate and shape the overall Priority Areas programme. The programme was structured under the following themes:

- Innovation in Emerging Technologies
- Innovation in Services
- Adapting for Sustainable Growth
- Procurement innovation
- Better Regulation
- Access for All
- Resilience, Governance, Risk & Compliance (GRC)

All 2011/12 project proposals put forward under the above programme themes - including those which propose funding for a repeated intervention - went through an investment case process, which incorporates a 'health check' and asks at what point in the future the need for funding will be reviewed.

2011/12 Priority Area Programme Highlights include:

Standardization in advanced manufacturing – research

This project was carried out by the Institute for Manufacturing (IfM) at the University of Cambridge and complemented work being undertaken by the IfM for BIS. The work has been successfully completed and could pave the way for future developments on standards relating to emerging technologies and manufacturing. The final report, titled "Role of Standardisation in Support of Emerging Technologies", is proving to be a good starting point for further work in at least four potential projects:

- Service design for new standards business models.
- Investigating how best to engage with SMEs to give them access to the standardization process and standards.
- Developing a roadmap for standardization in support of synthetic biology.
- Further, deeper research into the role of standards and emerging technologies.

BS 11000 Collaborative Business Relationships - regional communications events

The first of four regional events took place on 9 September 2011 with the support of the MoD - Defence Equipment & Support (DE&S) Partnering Support Group. 65 attendees exchanged their views and experiences on Collaborative Business Relationships and received a condensed summary of BS 11000. A smaller scale second event was held on 22 March 2012 at the Harwell Oxford campus (a joint venture between the UK Atomic Energy Authority, the Science and Technology Facilities Council and the global property group Goodman).

Road map on workmanship standards to support the Green Deal

A report mapping out the standards in the area of workmanship was successfully delivered and will inform the revision of BS 8000 Workmanship on Building Sites, a suite of 16 existing national standards that need to be aligned with new construction materials and processes. The funding of the revision of the head standard (BS 8000, Part 0) is a proposed follow-on project on the 2012/13 Priority Areas programme pipeline.

BS 8533 Flood mitigation for developments - Communication forum

This event took place on 17 February 2012 with a very good attendance level of 68 people representing a variety of organisations including key influencers from local councils, surveying firms, the Environment Agency, architects and environmental / construction consultancies. There were four speakers, representing the views of the Scottish Executive, Welsh Government, London Borough of Planning Authorities and the Technical Committee that developed the standard. Each speaker discussed flood risk management from their own perspective, focussing on the link to regulation, the challenges of implementation, and what BS 8533 could do to help. The feedback from the event was positive.

As of the end of 2011/12, the Priority Areas budget had been allocated to the following projects:

Reference No	Project Title
*INN11-01	Support for UK Biometrics IST44 committee (Contract April 2011 – March 2012)
*INN11-02	Biometric icon development for UK Borders
*INN11-03	Standardization in high value manufacturing -research
*INN11-04	Collaborative Business Relationships - regional communications events
*INN11-05	BS 8905 Framework for sustainable use of materials - communication event
**INN11-06	Online recruitment code of practice - interactive session
*INN11-07	Roadmap for workmanship standards to support the Green Deal
*INN11-08	BS 8533 Assessing and managing flood risk in development – communication event
*INN11-09	First Draft of Standard on Biodiversity in Planning & Development
*INN11-10	National & International Secretariats for eligible Targeted Funding Priority Areas committees
*INN11-11	Priority Areas Management
*INN11-12	Sustainable procurement BS 8903 - pilots & case studies
*INN11-13	Guide to Facilities Information Management - accelerated document development
*INN11-14	Defence standardization & procurement: stakeholder forum & research
*INN11-15	Business Continuity Management (BCM) User Workshops
**INN11-16	EPSRC Through-life Engineering Services - IMC Partnership
*INN11-17	Designing out waste in construction: accelerated document development
*INN11-18	BS 10500 Specification for an anti-bribery management system - Pilots & Case Studies
*INN11-19	BS ISO 50001 Energy Management Systems - Pilots/Case Studies & Stakeholder Forum
*INN11-20	Risk Management workshops
*INN11-21	Mobile biometrics workshop
**INN11-22	Leadership and support to IST/33 Panel 5
*INN11-23	Guidance (PAS) on Bio-Based Products for SMEs
*INN11-24	Construction & Built Environment Sector Policy & Strategy Committee (CB/-) – Committee Leadership
**INN11-25	Inclusive Service: the case for standards – research project
*INN11-26	Road map on installation standards to support the Green Deal

*in TSF programme presentation

**added to programme post-TSF presentation

4.4 BSI Staff Travel

An allowance for Staff Travel is made available within 'Support for Standards Development' for BSI staff to accompany UK committee members to meetings to provide guidance and support that enables the technical experts/delegates to maximize their influence during overseas meetings to the benefit of the UK. This funding continues to provide valuable support to UK committee members.

5. Support for Participation in Standardization



This fund provides support to UK participants in international standards work in the form of a contribution towards travel costs.

Objectives

Financial support to UK delegates to meetings related to international standardization through the Assisted International Travel Scheme (AITS).

- 1.** Improved management of AITS spend by allocating fund across four period phases. The projected spend against budget for each phase will be monitored to ensure there is no overspend.
- 2.** Monitor use of the fund for 2011/12 to ensure maintenance of UK presence at core meetings.
- 3.** Monitor use of the fund for 2011/12 to ensure fund is used predominantly by SMEs.
- 4.** Provision & communication of Quarterly & Full Year Funding Reports to BIS.

2011/12 saw the take-up level of AITS funding of £1,274k, representing over 90% utilization of the fund budget, similar to 2010/11. The scheme supported the attendance of 3,117 UK committee members at international meetings in a variety of roles over the course of the funding year. Feedback received to date has indicated that some participants are not being released from their work to attend international and European meetings and increasingly UK experts from small business or self-funding are not being able to attend as full costs are not reimbursed. This is not in relation to any particular industry/sector but would seem to be an impact of the current economic climate.

During 2011/12 the fund was being used mainly by the SME community, in line with Government priorities for SME access. The claim form was amended for the 2011/12 funding year and captures a self-declaration of the claimant's employment status.

Although this funding is particularly vital for representatives of smaller companies who otherwise do not have the resources to attend, it also allows technical staff within larger companies to justify travel costs and time away from work to their employers.

5.1 Assisted International Travel Scheme

This fund provides support to UK participants in international standards work in the form of a contribution towards travel costs. The presence of UK delegates at international standards meetings can be critical in ensuring that UK interests are represented and protected during the preparation of international standards. It is considered that without this assistance a significant number of experts and delegates would not be able to participate in these meetings.

6. Support for Consumer Participation in Standardization



The new 2012-14 Consumer & Public Interest Strategy sets out the priority areas for consumer involvement in standardization.

Objectives

- 1.** To manage awareness of and effective consumer & public interest participation in public standardization, through continued prioritising of input to ongoing standards development and processing of innovative ideas, including:
 - organising and running Consumer & Public Interest Network (CPIN) meetings/training focussing on topics of relevance to the consumer & public interest (at least 2 CPIN meetings, at least one at an appropriate external venue)
 - maintaining awareness of standards (preparation/revision of at least 1 appropriate paper/web-based publication and/or undertake at least 1 relevant background research/specific project to ensure evidence base)
 - maintaining the number and relevance of individuals involved in the process to match CPIN priorities (widen age profile of CPI reps to include a higher proportion of younger members)
 - CPI reps attendances at UK and international meetings in accordance with relevant areas of interest (at least 100)
- 2.** To agree with BIS a list of core consumer topic areas for 2012/13 by February 2012.
- 3.** Provision & communication of Quarterly & Full Year Funding Reports to BIS.

Increasing consumer awareness of standardization

COPOLCO

The most significant activity for 2011 was BSI's recognition of 60 years of consumer involvement in standardization by hosting the 33rd ISO COPOLCO plenary and workshop with significant support from BIS. The meeting took place at Grange St Paul's in London from 23-27 May 2011. This was a highly successful event for national and international delegates and helped to increase awareness of consumer involvement in standardization within BSI. It also resulted in press coverage of consumer involvement in standardization, including on BBC Breakfast, BBC Radio 4 Woman's Hour and various magazines and websites, e.g. <http://www.thenbs.com/copolco/>.

Some key points from the meeting were:

- Forty-seven countries were represented at the meeting and workshop. The latter, on the theme of *Homes for tomorrow - building through standards* included several international speakers, see http://www.iso.org/iso/events_archive?IINodeId=338299&IIVold=-2000
- Over 200 people attended the 60 years of consumer involvement in standardization celebration, hosted by BSI's Director of Standards and Lynn Faulds Wood, including many representatives from key UK consumer organizations, such as Age UK, Consumer Focus, the National Consumer Federation (NCF), Ombudsman services and the Trading Standards Institute (TSI).
- The presentation by the then Minister of Consumer Affairs, Edward Davey was well received. <http://www.iso.org/iso/news.htm?refid=Ref1429>

- The technical visit offered to international delegates (a tour of the Olympic site) was considered very useful.

Consumer focused leaflets

Various BIS-funded leaflets, available in accessible format, are available at www.bsigroup.com/consumers and explain, in plain language, the relevance of several standards to consumers. Leaflets have been distributed in various ways, including to the relevant BSI Technical and Policy committees and on BSI stands, for example at the TSI trading standards and consumer affairs conference in June 2011. Examples of the distribution for specific titles include:

- Citizens Advice requested and were sent 400 copies of '*Fair, flexible services for all*', the consumer leaflet about BS 18477 on inclusive service provision to use in their Advice Bureaux.
- Copies of 'Easy to open packaging' were made available at the Age UK meeting: 'Tackling Packaging: designing for all' on 5 May 2011.
- Copies of the adventurous activities leaflet have gone to the Young Explorers Trust (YET) and Year Out Group.

Consultations

The CPI Unit (CPIU) contributed to the BSI response to the following consultations:

- BIS empowering and protecting consumers, in particular in relation to the need for access to Consumer Direct data.
- Law commission consultation on misleading and aggressive sales practices in response to their request, specifically to provide information on BS 18477, inclusive service provision, which was recognised as of potential value as a mechanism for objective determination of vulnerability.

Contacts with wider organizations

CPIU staff have maintained or renewed contacts with various organizations, including ANEC (European voice of consumers in standardization), the British & Irish Ombudsman Association, CEDR/IDRS, the Electrical Safety of Products group of the Electrical Safety Council, Law Commission and Which?.

A representative from the BSI CPIU attended various consumer-related meetings, including the British Standards Society AGM, the UK feedback meeting from the European Consumers Consultative Group (ECCG), TSI Trading standards and Consumer affairs conference and the NCF Consumer Congress Workshop, '*Are regulators failing the consumer?*' held at the OFT.

Young consumers and TSI

BSI is one of the sponsors for the 2012 Trading Standards Institute Young Consumers competition. This is an online competition for schools which moves from regional finals to a national final at the TSI conference in June 2012. The 2012 Summer CPI Network meeting is also to be held at the TSI conference.

Consumer involvement in standardization

The new 2012-14 Consumer & Public Interest Strategy sets out the priority areas for consumer involvement in standardization as: Inclusivity (includes accessibility: 'Design for All' and 'vulnerability'); Security, Privacy & Identity; Sustainability; Wellbeing and Services.

Taking these as the focus, BSI Consumer & Public Interest Representatives have been involved in over 100 UK and international meetings, on topics including: Accessibility; Adventure tourism; Aesthetic surgery;

Consumer information on electrical appliances; Food quality systems; Greenhouse gas management in the supply chain; Guidelines for online recruitment; Instructions for use; Nanotechnology; Natural Protected Areas; Overseas removals; Public symbols; Robots and Robotic Devices; Safety of household electrical and electronic products; Sanitary Appliances; Sheltered housing; Smart meters; Societal and Citizen Security; Sustainable communities; Tanning salon services; Tourism services and Water re-use.

CPI Reps have also attended the Electrical Safety Council conference on product safety and the Trading Standards Institute Sustainable Packaging Congress. Both afforded reps the opportunity to understand the consumer issues involved in more detail and to meet others working in the area which assists their input to standardization.

CPI Reps from the children's interests, manufacturing, services and 'design for all' areas also met together with relevant BSI staff to discuss cross-sector issues.

CPI reps use a report form to identify issues of concern for consumers and progress in achieving action to cope with those concerns. The form was modified to enable a clearer indication of objectives as a result of the impact assessment research which started in the previous year. Some examples of the purpose and benefits of consumer intervention include:

- Microwave leakage** The BSI mirror committee has been considering the problem of inaccurate instruments particularly on Chinese imports. This is important for consumers as they may assume ovens are unsafe and pay for expensive unnecessary repairs. The CPI rep contributed to discussion which resulted in the conclusion that the requirements for the testing instrument in

IEC 60335-2-25 were not completely clear and so a green paper will be prepared for the next meeting of IEC SC61B (June 2012) to improve them.

- **Fatality arising from choking on part of a USB stick** A CPI rep drew attention to the fatality of a teenager caused by choking on part of a USB stick. Coroner and pathologist details were obtained and it has been agreed by members of the relevant Technical Committees that there should be a standard to address this issue. A document is being prepared to be taken to the international committee IEC TC108.

- **Airport and aviation security services** Consumer involvement in this standard (EN 16082) was originally considered unnecessary but it was later recognised that the topic was of interest to travellers – i.e. consumers. The Standard specifies quality criteria for the delivery of civil aviation security services and requirements for private security companies in relation to their organisation and operations (insurances, operational continuity management etc), staff management (recruitment and training) and contract management.

- **Smart meters** The CPI Rep has been aiming to ensure that consumers are provided with accurate, understandable and usable information enabling them to make an informed choice on tariffs and realise the potential benefits from smart meters. Accessibility, including for vulnerable consumers, has been a particular concern.

Policy, planning and informative meetings

- The BSI Consumer & Public Interest Strategic Advisory Committee, chaired by Lynn Faulds Wood, met three times during the year at Which?, the OFT and BSI. Membership of this group has increased

now to include a representative from the Women's Institute (a founder member of the original Women's Advisory Committee), RoSPA and the Disabled Experts Reference Group of the CPI Network. At the November meeting, the BSI CPIN 2012-14 Strategy was endorsed. A policy statement about consumers to go with BS O 'A standard for standards – Principles of standardization' has been proposed, along with a direct link to the consumer pages from the BSI home page.

- The CPI Coordinators Steering panel met on four occasions covering topics such as an update from BSI on the potential standards programme in the Health area, effective alternatives to face-to-face meetings, and consideration of the need for accident data to feed into the development and revision of standards.
- At the request of the CPI Network and following the high profile summer meeting (which was combined with ISO COPOLCO), the December 2011 all-members meeting was a more informal gathering affording the opportunity for CPI Reps to discuss topics of mutual interest. CPIN Chair Lynn Faulds Wood provided a brief review of 2011 and the key plans for 2012 and slides from 60 years of consumers in UK standards. Topics discussed included robot ethics, the differences between product and service standards and how to make complex technology understandable to consumers. A report of the event is now on the BSI website at: <http://www.bsigroup.com/en/Standards-and-Publications/How-we-can-help-you/Consumers/Consumer--Public-Interest-Events/Winter-2011-meeting/>.

Recruitment and training of CPI Reps

Several new CPI Reps have joined the Network over the year and two new CPI Coordinators (CPIC) have been appointed

for Children's Interests and Manufacturing. The revised training programme has been successfully undergone by several in the Network.

New ideas work

Work to transfer CPI Network ideas to the BSI system is close to completion.

Education

The BSI Education Sector Representative continues to be active in promoting standardization in education. Initiatives over the course of the year include:

- A presentation on the importance of conveying standardization principles to higher education to an international audience at the ISO/IEC/ITU Academic Conference in Beijing.
- Presenting, with a member of staff from King's College London, to CEN/CENELEC JWG-EaS (Joint Working Group – Education about Standardization) on a social media strategy framework. The JWG-EaS Master plan has been submitted for review to the CEN/CENELEC Joint President's Group.
- Revision of the BSI Higher Education presentation and delivery of lectures related to Computer Networks at Middlesex University; Design at Leicester de Montfort University, Sustainability at Kingston University and Engineering at Edinburgh Napier and Manchester Universities. Some of this work is likely to result in regular programmes of lectures, delivered within institutions using BSI materials. The Danish national standards body is interested in this work and has asked to make use of some of the materials in their own education work.

7. Smart Cities Initiative



The aim of the strategy is to identify the role of standards in accelerating the implementation of Smart Cities.

During the funding year, BIS commissioned BSI to develop a standards strategy for Smart Cities in the UK. Smart City technologies based on digital infrastructure and digital services offer one of the few viable alternative means to effectively monitor and manage physical and social resource in the built environment. The aim of the strategy is to identify the role of standards in accelerating the implementation of Smart Cities and providing assurance to citizens that the risks are being managed appropriately. The findings and recommendations are based on analysis of the existing standards landscape and identified stakeholder needs and therefore reflect key priority areas in which a standards programme is required to help ensure the success of a UK Smart Cities programme. The draft strategy was delivered on 30 March 2012 and will be subject to consultation. Two stakeholder engagement events are due to take place in May 2012 and a final version of the strategy is to be prepared for the end of June 2012.

8. International Projects



The programme is supporting a reduction in their dependency on fossil fuels and imports, improvement of the security of their energy supply and overall climate change mitigation.

BSI International Projects coordinates technical assistance activities and provides support to the development of quality infrastructures in developing countries. Its role is to design, manage and implement projects to strengthen quality institutions worldwide.

The team specialises in helping institutions that are responsible for:

- Standardization
- Inspection
- Certification and Conformity Assessment
- Quality Control
- Testing Laboratories
- Technical Regulations & Legislation
- Metrology
- Consumer Protection
- Accreditation
- Market Surveillance

Projects cover a wide range of sectors:

- Trade, Standards and Private Sector
- Manufacturing and Processing
- Construction, Transport and Infrastructure
- Chemicals
- Food and Drink
- Healthcare and Medical Devices
- Agriculture
- Communications and Information Technologies
- Environment
- Services
- Energy, Utilities and Low Carbon Technology
- Governance and Public Sector
- Electrical and Electronics
- Procurement

Below are some highlights of the work carried out by the BSI International Projects Team in supporting the development of standardization in developing countries. A full list of projects is contained in annex D.

INOGATE Technical Secretariat and integrated programme in support of the Baku Initiative and the Eastern Partnership energy objectives

The INOGATE Programme, funded by the European Commission, is an international energy co-operation programme between the European Union and the Partner Countries of Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Tajikistan, Turkmenistan, Ukraine and Uzbekistan. The overall objective of the programme is to contribute to the progress of the INOGATE Partner Countries in the achievement of the Baku Initiative and the Eastern Partnership objectives. The programme is supporting a reduction in their dependency on fossil fuels and imports, improvement of the security of their energy supply and overall climate change mitigation.

Strengthening the Quality Infrastructure in Rwanda

The objectives of this TradeMark East Africa-funded project are to assist the institutional development of the Rwanda Bureau of Standards by offering strategic support and to raise the awareness of the private sector of standards and increase its capacity building in this area.

Further development of National Accreditation Agency of Ukraine capacities according to European practices

The purpose of this EC-funded contract is to enable the achievement of the international recognition of the National Accreditation Agency of Ukraine (NAAU) in providing accreditation services in the areas of Testing Laboratories, Calibration Laboratories, Management System Certification Bodies, Product Certification Bodies, and Inspection Bodies.

Appendix A

Testable Objectives

Ref:	Activities	Testable Objectives
A	HMG's subscription to BSI Standards	<p>"Government Departments and Agencies to purchase single copy and online British Standards at a discount of 50% as well as accessing all other BSI Membership benefits including alerting, advisory and information services.</p> <p>TO_A1: Provision of Membership benefits to all Government Departments and Agencies. Commences April 1st 2011 to March 31st 2012.</p> <p>TO_A2: BIS, as lead relationship with BSI, receive free BSOL subscription to all modules for department use only. Extensions to other HMG bodies are excluded and will make their own provisions. Commences April 1st 2011 to March 31st 2012.</p> <p>TO_A3: Provide a list of Government Departments and Agencies covered by the HMG Membership that are currently on the BSI system. Review the list with BIS to identify any gaps by December 2011, followed by a confirmation letter to all departments that are covered. BIS to agree contacts. See A4.</p> <p>TO_A4: BSI to aid BIS in promotion of BIS-funded membership benefits to all eligible Government Departments and Agencies, through direct liaison between BIS & the BSI Membership team to establish programme.</p> <p>TO_A5: Provision & communication of Quarterly & Full Year Funding Reports to BIS."</p>
B	HMG's contribution to BSI's subscriptions to European and International Standards Organization & Information supplied under Directive 98/34 EC	<p>"Membership of international standards organizations supported through this contribution enables the UK to maintain a standards infrastructure consistent with European standards policy as required by the Memorandum of Understanding with HM Government. This fund also supports the UK's obligations under the directive 98/34 EC that aims to prevent the creation of new technical barriers to trade.</p> <p>TO_B1: Ensure that the UK's obligations under Directive 98/34 EC have been fulfilled.</p> <p>TO_B2: Ensure BSI maintain an appropriate presence on key international and European committees & fora to enable UK to be influential on standards policy matters.</p> <p>TO_B3: Provision & communication of Quarterly & Full Year Funding Reports to BIS."</p>
C	Targeted Funding	<p>"Support of the BSI standards development programme including: BSI programme management support for eligible committees meeting Targeted Funding scheme criteria, access to international standardization provided for committees by the Committee Service Centre, staff travel in support of standards development and the drafting of standards by external experts.</p> <p>TO_C1: Implementation of pipeline proposal for 11/12 Innovation-funded programme of work, as agreed with BIS in relation to HMG priorities/policies.</p> <p>TO_C2: Implementation of 11/12 Investment Case and Traffic Light Report templates for effective management and monitoring of the 11/12 Targeted Funding Innovation budget.</p> <p>TO_C3: Provision & communication of Quarterly & Full Year Funding Reports to BIS."</p>
D	Support for Participation in Standardization	<p>"Financial support to UK delegates to meetings related to international standardization through the Assisted International Travel scheme.</p> <p>TO_D1: Improved management of AITS spend by allocating fund across four period phases. The projected spend against budget for each phase will be monitored to ensure there is no overspend.</p> <p>TO_D2: Monitor use of the fund for 2011/12 to ensure maintenance of UK presence at core meetings.</p> <p>TO_D3: Monitor use of the fund for 2011/12 to ensure fund is used predominantly by SMEs.</p> <p>TO_D4: Provision & communication of Quarterly & Full Year Funding Reports to BIS."</p>

Ref:	Activities	Testable Objectives
E	Support for Consumer Participation in Standardization	<p>"Support for consumer participation in standardization (including assisted consumer travel and subsistence)</p> <p>TO_E1: To manage awareness of and effective consumer & public interest participation in public standardization, through continued prioritising of input to ongoing standards development and processing of innovative ideas, including:</p> <p>TO_E1.1: Organising and running Network meetings/training focussing on topics of relevance to the consumer & public interest (=/> 2 CPIN meetings at least one at an appropriate external venue).</p> <p>TO_E1.2: Maintaining awareness of standards (preparation/revision of => 1 appropriate paper/web-based publication and/or undertake =>1 relevant background research/specific project to ensure evidence base).</p> <p>TO_E1.3: Maintaining the number and relevance of individuals involved in the process to match CPIN priorities (widen age profile of CPI reps to include a higher proportion of younger members).</p> <p>TO_E1.4: CPI reps' attendances at UK and international meetings in accordance with relevant areas of interest (>100).</p> <p>TO_E2: To agree with BIS a list of core consumer topic areas for 2012/13 by February 2012.</p> <p>TO_E3: Provision & communication of Quarterly & Full Year Funding Reports to BIS."</p>

Appendix B

Committees with funding contributions

Ref	Committee Title	Subject area	Main priority
GEL/86	Fibre optics	Electronics	Infrastructure
PRI/90	Rubber and rubber products - Environmental aspects	Materials	Sustainability
SS/2	Statistical Interpretation of Data	Quality	Productivity
AUE/3	Renovation of tyres for motor vehicles	Transport	Safety
AUE/17	Vehicle security	Transport	Productivity
SVS/4	Postal services	Services	Regulation/Legislation
SVS/6	Financial services	Services	Better regulation
PRI/42	Fibre reinforced thermosetting plastics and prepgs	Materials	UK competitiveness
TCI/100	Co-ordination of activities in textiles and clothing	Materials	Consumer protection
CW/2	Safety of child use and child care horizontal issues	Safety	Safety
PH/4	Respiratory protection	H&S	Safety
FSH/0	Fire Co-ordination	Fire	Safety
FSH/25	Smoke, heat control systems and components	Fire	Safety
GSE/35	Gas cooking appliances (domestic)	Mechanical Machinery & Components	Consumer Protection
B/524	Precast concrete products	Construction	Infrastructure
PEL/13	Electricity Meters	Energy	Infrastructure
CH/100	Healthcare and medical equipment (European and International)	Healthcare	Safety
PTI/17	Solid biofuels	Energy	Innovation
GME/21	Mechanical vibration, shock and condition monitoring	Mechanical Machinery & Components	Safety
GW/2	Secure storage of cash, valuables and data media	Security	Consumer protection
IST/41	Document description and processing language	ICT	Productivity
PSE/17	Materials and equipment for petroleum, petrochemical and natural gas industries	Energy	Productivity
CH/172	Ophthalmic optics	Healthcare	Safety
FSH/16	Hazards to life from fire	Fire	Safety
PEL/894	Remote Meter Reading	Energy	Innovation
EPL/29	Electroacoustics	Electronics	Regulation /Legislation
CH/239	Rescue systems	Healthcare	Procurement
GEL/8	Systems Aspects for Electrical Energy Supply	Energy	Consumer protection
B/519	Masonry and associated testing	Construction	Infrastructure
CH/157	Mechanical contraceptives	Healthcare	Consumer Protection
LBI/37	Particle characterization including sieving	Materials	Safety
CB/50	Infrastructure	Construction	Infrastructure
CW/217	Cosmetics	Consumer Goods	Consumer Protection
WEE/40	Health and safety in welding	Welding	Safety
AUE/7	Automobile occupant restraint systems	Transport	Safety
CB/501	Flood risk & watercourses	Built Environment Design	Sustainability
AMT/4	Industrial data and manufacturing interfaces	ICT	Procurement
AUE/20	Vehicle on-board diagnostics, repair and maintenance information	Transport	Safety
B/513	Construction equipment and plant and site safety	Construction	Safety
AUE/12	Safety related to occupants	Transport	Safety
IST/6	Data communications	ICT	Productivity
AUE/11	Braking systems	Transport	Safety
CB/30	Construction Products Advisory Committee	Construction	Regulation /Legislation
GSE/29	Gas-fired central heating boilers (domestic and non-domestic) and domestic gas-fired water heaters	Mechanical Machinery & Components	Consumer Protection
AUE/14	Motor cycles and mopeds	Transport	Safety

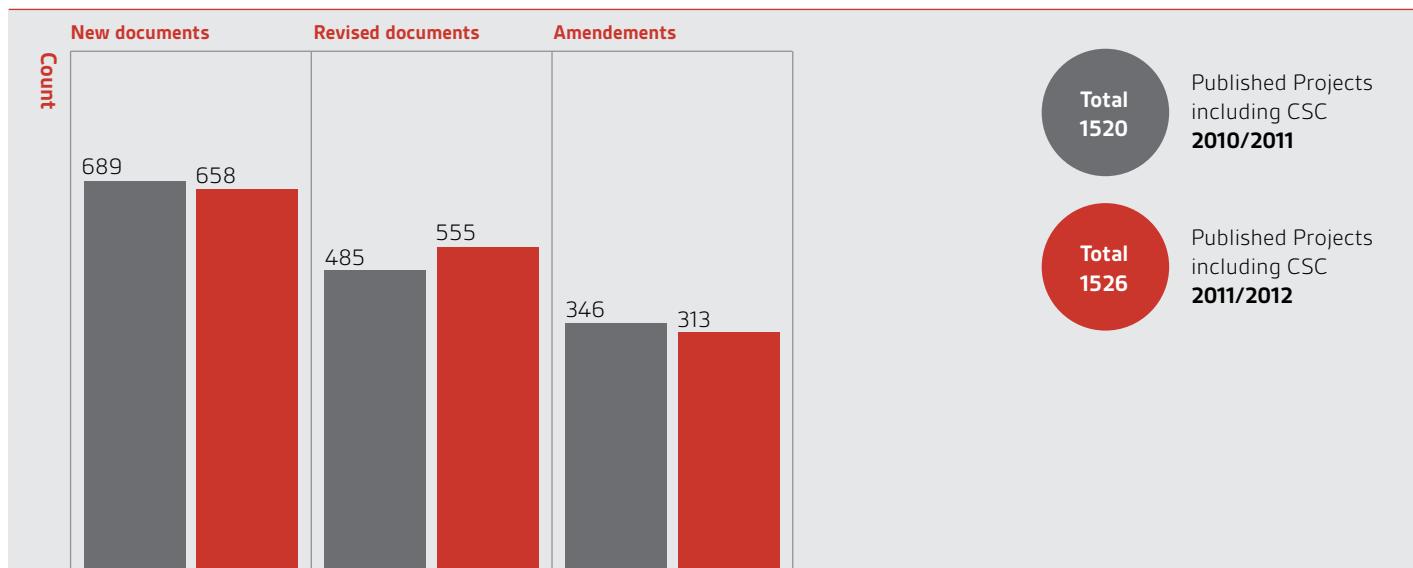
Ref	Committee Title	Subject area	Main priority
GEL/105	Fuel cell technologies	Energy	Innovation
CH/106	Dentistry	Healthcare	Consumer protection
GEL/89	Fire hazard testing	Fire	Safety
STI/53	Specifications and test methods for jewellery and horology	Consumer Goods	Consumer Protection
IMS/1	Innovation management	Services	Innovation
B/506	Chimneys	Construction	Regulation /Legislation
EH/5	Sludge characterization	Environment/CSR	Regulation /Legislation
B/557	Construction products - Assessment of dangerous substances	Construction	Regulation /Legislation
STI/10	Test methods for paints	Materials	UK competitiveness
H/-/4	Environmental testing programmes	Environment/CSR	Regulation /Legislation
CPW/172	Optics and Photonics	Consumer Goods	UK competitiveness
FSH/21	Reaction to fire tests	Fire	Safety
PH/2	Eye protection	H&S	Safety
CPL/59	Performance of household electrical appliances	Consumer Goods	Consumer protection
ICT/-	Information and communications technology co-ordination and strategy committee	ICT	Productivity
CPL/72	Electrical control devices for household equipment and appliances	Consumer Goods	Consumer protection
PTI/20	Sustainability of bioenergy	Energy	Sustainability/Innovation
TCI/66	Apparel and interior textiles	Materials	Consumer protection
MCE/6	Pumps and pump testing	Mechanical Machinery & Components	Regulation/Legislation
FSH/18	Fixed fire fighting systems	Fire	Safety
B/540	Energy performance of materials components and buildings	Construction	Sustainability
GEL/111	Electrotechnical environment committee	Electrical Machinery and Components	Sustainability
GME/33	Small craft	Transport	Safety
MHE/3	Cranes and derricks	Construction	Regulation /Legislation
FSH/17	Fire brigade equipment	Fire	Procurement
SVS/2	Tourism services	Services	Consumer protection
PEL/88	Wind turbines	Energy	Sustainability/Innovation
AUE/-/1	International work on road vehicles	Transport	Safety
EPL/87	Ultrasonics	Electronics	Safety
PEL/2	Rotating electrical machinery	Electrical Machinery and Components	UK competitiveness
B/512	Ladders	Construction	Safety
EPL/278	Road transport informatics	Electronics	Infrastructure/Innovation
PKW/0	Packaging	Consumer Goods	Regulation /Legislation
B/542	Roofing and cladding products for discontinuous laying	Construction	Safety
AUE/4	Tyres and wheels for motor vehicles	Transport	Regulation /Legislation
PH/1	Safety, protective and occupational footwear	H&S	Safety
B/555	Construction design, modelling and data exchange	Construction	Innovation
IST/34	Automatic identification and data capture techniques	ICT	Innovation
CII/47	Pyrotechnic articles	Materials	Consumer protection
IST/43	Information technology for learning, education and training	ICT	Productivity
EPL/501	Electronic assembly technology	Electronics	UK competitiveness
B/558	Sustainability of construction works	Construction	Sustainability
AUE/18	Tanks for the transport of dangerous goods	Transport	Consumer protection
PRI/66	Rubber and plastics tubing, hoses and hose assemblies	Mechanical Machinery & Components	Safety

Ref	Committee Title	Subject area	Main priority
PH/8	Graphical symbols	H&S	Safety
EPL/46	Cables, wires and waveguides, radio frequency connectors and accessories for communication and signalling	Electronics	UK competitiveness
PH/6	Head protection	H&S	Safety
CH/150	Implants for surgery	Healthcare	Procurement
FMW/1	Facilities management	Construction	Procurement/Innovation
AUE/16	Electrical and electronic equipment	Transport	Regulation/Legislation
IST/37	Coding of picture, audio, multimedia and hypermedia information	ICT	UK competitiveness
B/500	Basic data	Construction	Productivity
GSE/22	Safety and control devices for gas and oil burners and gas burning appliances	Mechanical Machinery & Components	Regulation/Legislation
FSH/19	Fire Precautions in Railway Transport	Fire	Safety
CB/10	Design Advisory Committee	Built Environment Design	Innovation
CPI/113	Hydrometry	Materials	UK competitiveness
SW/136	Sports, playground and other recreational equipment	Risk	Consumer protection
B/553	Geotextiles and geomembranes	Construction	Procurement
GSE/25	Gas Meters	Energy	Infrastructure
IST/31	Computer graphics, image processing and environmental data representation	ICT	Innovation
PEL/114	Marine energy - Wave, tidal and other water current converters	Energy	Sustainability/Innovation
PRI/26	Burning behaviour of plastics and rubbers	Materials	Safety
CB/-	Construction & Built Environment Sector Policy and Strategy Committee	Construction	Innovation
EH/4	Soil quality	Environment/CSR	Sustainability
RHE/2	Ventilation for buildings, heating and hot water services	Construction	Sustainability
CPI/30	Measurement of fluid flow in closed conduits	Materials	Infrastructure
EH/3	Water quality	Environment/CSR	Better regulation
ICT/-/1	Information systems co-ordination	ICT	Infrastructure
IST/44	Biometrics	ICT	Procurement/Innovation
FSH/22	Fire resistance tests	Fire	Safety
SEM/1	Energy Management	Energy	Sustainability
PVE/3	Gas containers	Mechanical Machinery & Components	Regulation/Legislation
NTI/1	Nanotechnologies	Materials	Innovation
SSM/1	Societal security management	Security	Innovation

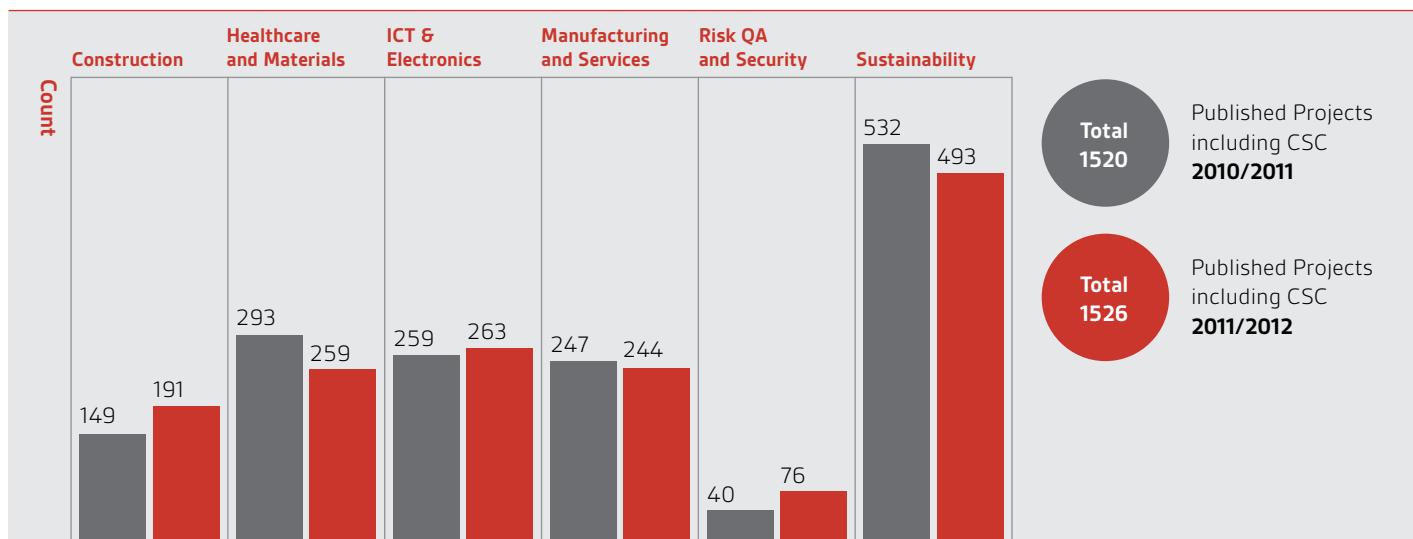
Appendix C

Funded Committees Output 2011/2012

Published Projects by type

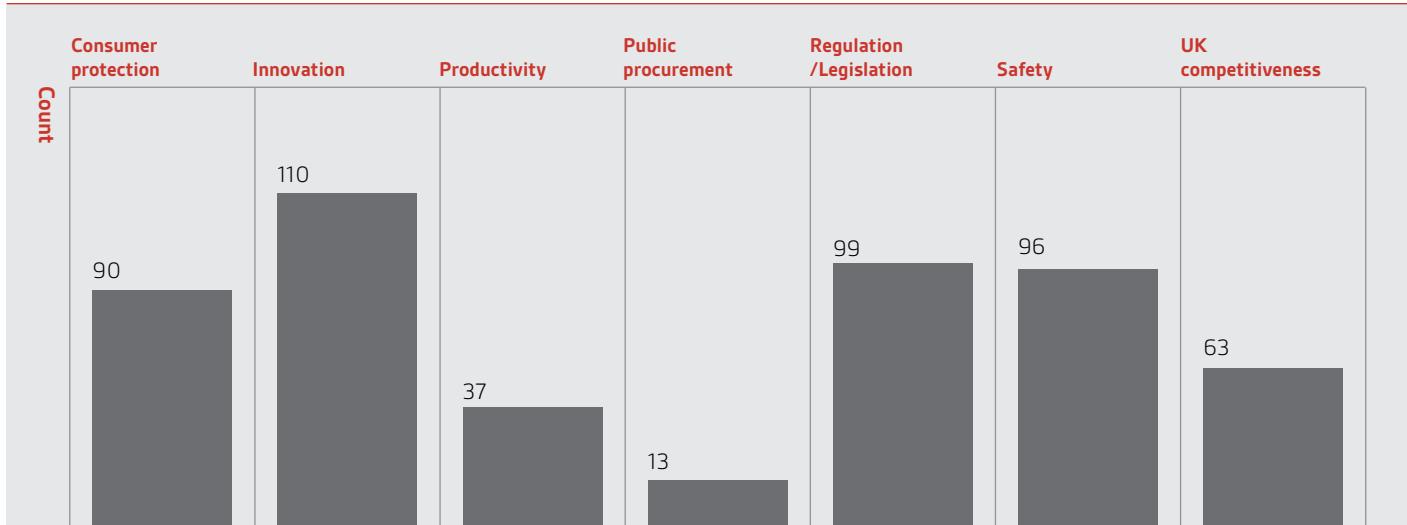


Published Projects by BSI sector team

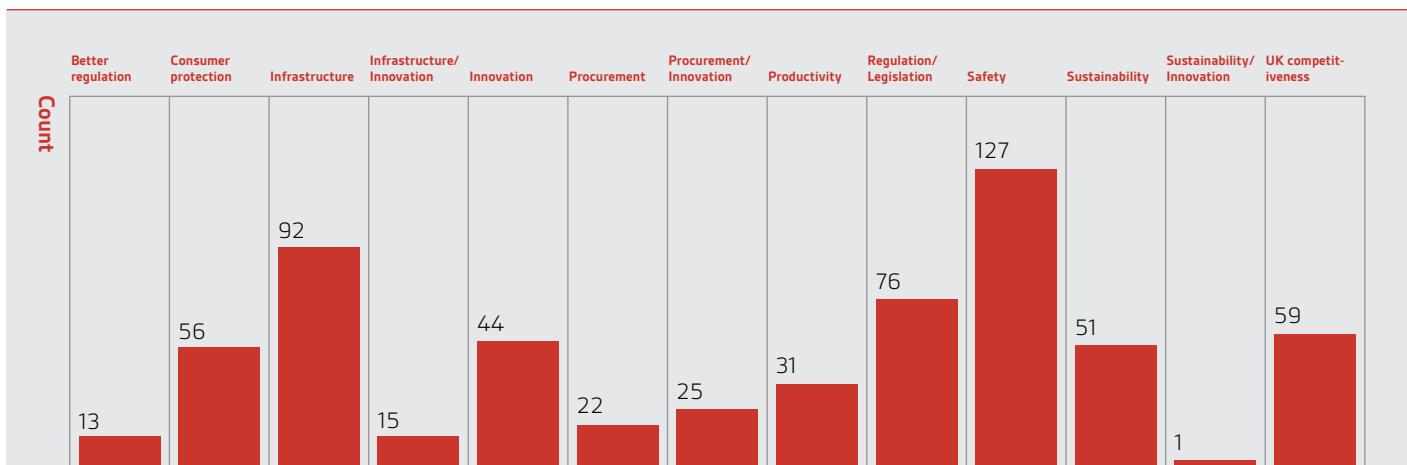


Published Projects by main priority

2010/2011

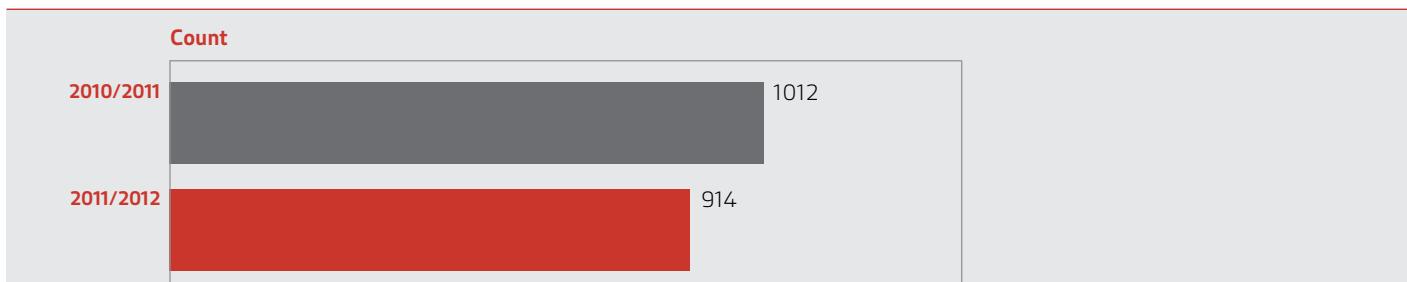


2011/2012



N.B. In 2011/2012 the funding categories were re-defined to include the Priority Areas of better regulation, infrastructure, procurement and sustainability.

Access to International standardization



Appendix D

BSI's Technical Assistance Projects to Developing Countries

Project Title	Status	Funded by	Description
INOGATE Technical Secretariat and integrated programme in support of the Baku Initiative and the Eastern Partnership energy objectives	Started in year	EC	The INOGATE Programme is an international energy co-operation programme between the European Union and the Partner Countries of Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Tajikistan, Turkmenistan, Ukraine and Uzbekistan. The overall objective of the programme is to contribute to the progress of the INOGATE Partner Countries in the achievement of the Baku Initiative and the Eastern Partnership objectives. The programme is supporting a reduction in their dependency on fossil fuels and imports, improvement of the security of their energy supply, and climate change overall mitigation.
GSO Training (Gulf States)	Started in year	Standardization Organization of the Cooperation Council for the Arab States of the Gulf (GSO)	Delivery of training courses on standards, conformity assessment, accreditation, metrology and market surveillance, as part of the GSO 2012 training programme.
Strengthening the Quality Infrastructure in Rwanda	Started in year	TradeMark East Africa (TMEA)	The objectives of this project are to assist the institutional development of the Rwanda Bureau of Standards by offering strategic support and to raise the awareness of the private sector of standards and increase its capacity building in this area.
Technical specialist & projects needs assessment – Rwanda & Burundi	Started in year	TradeMark East Africa (TMEA)	The objective of this project is to carry out an intensive feasibility or needs analysis on the conditionalities required to be fulfilled before the procurement of specialized equipment.
Technical Assistance: Programme for the Support in the Production of Seeds of Basic Grains for Food Security in Nicaragua (PAPSSAN)	Started in year	EC	The aim of the project is to develop the market for certified seeds, both at local level and nationally, supplying surplus of certified seed produced in other territories to cover demand in other regions while also improving food security. This will allow producers to buy fresh seed adapted to the conditions of their environment and at the lowest possible prices. The project will strengthen and build the capacity of organisations of small and medium (SMEs) producers in areas of production, business development and processing, marketing, provision of infrastructure equipment and access to services. It will also provide support and equipment to cooperatives and other organisations of seedlings through the financing of investments in equipment and infrastructures dedicated to the production, processing and marketing of seeds.
Further development of National Accreditation Agency of Ukraine capacities according to European practices	Started in year	EC	The purpose of this project is to enable the achievement of the international recognition of the National Accreditation Agency of Ukraine (NAAU) in providing accreditation services in the areas of Testing Laboratories, Calibration Laboratories, Management System Certification Bodies, Product Certification Bodies, and Inspection Bodies.
Technical assistance to the Quality Infrastructure and Standards Programme, Ministry of Tourism, Trade and Industry, Uganda	Ongoing	Swedish International Development Cooperation Agency (SIDA)	The objective of this project is to promote the use of quality infrastructure and standards so as to improve the competitiveness of Uganda's products, processes and service delivery systems in domestic, regional and international markets.

Project Title	Status	Funded by	Description
Support to China's Sustainable Trade and Investment System	Ongoing	EC	The overall objective of this project is to support China's economic, trade and investment reform in line with China's sustainable development path. Its purpose is to provide technical assistance to strengthen the design and implementation of trade and investment policy, legislation and regulation at central and provincial level. BSI and CEN are managing the delivery of Component II: Quality Infrastructure / Technical Barriers to Trade. This component aims to a) improve the legislative and regulatory framework for developing new and revising old technical regulations, standards, conformity assessment, market surveillance and accreditation systems while strengthening compliance to standards and regulation, including at the provincial level and b) build capacity to support China's quality infrastructure bodies, trade, sector and consumer associations including establishing and strengthening partnerships/cooperation with international bodies and counterparts.
Technical Assistance Support to the Strengthening of the Quality Infrastructure - Turkey	Ongoing	EC	The overall objective of the project is to contribute to the removal of technical barriers to trade between Turkey and the EU in order to ensure the free movement of goods between the two parties. The objective has the political support from the Turkish Government in its ambition to join the EU and meet the continued progress to help Turkey meet its national objectives of greater recognition and development. The project looks to harness and strengthen institutional and infrastructural framework in Turkey to enable better implementation of European law regarding the free movement of goods. This is based on the existing strategy and operational support of the quality institutions and industry of Turkey that foresee the benefits of 'free movement of goods' in meeting their own purposes. Benefits from the previous EU support for Turkey has provided good progress and further support is welcomed, planned for and expected to yield further improvement by all relevant stakeholders who understand the long term objectives.
Technical Assistance for Strengthening Legal Framework and Institutional Infrastructure for Protection from Dangerous Chemicals - Croatia	Ongoing	EC	The project aim is to assist Croatia in upgrading capacities for implementing transposed EU regulations and directives relating to the protection of the environment and human health from chemicals. Beneficiaries of this project include government authorities and public institutions at the central and local levels, as well as representatives of industry and trade sectors.
Study on standards comparison between EU and Russia and Brazil in the textiles, clothing, footwear and leather sectors	Closed in year	EC	The project compared European standards in the textiles, clothing, footwear and leather sectors with Brazilian and Russian standards, in order to conduct a gap analysis and make recommendations.
Consultancy for the review of standards	Closed in year	Inter-American Development Bank	The goals of the project were to carry out a review of the standards catalogue of Barbados and to develop a sustainable procedure for standards review for the Barbados National Standards Institution. BSI provided a team of two experts who worked with BNSI to review standards, develop the necessary procedures, train BNSI staff on the use of the procedures and forms, and worked with technical committees to review batches of standards and carry out awareness-raising on the subject of standards review.
Study on access to standards	Closed in year	European Defence Agency	This project addressed access to standards that are used for defence procurement, whether these are military or civil standards. The final report of the project examined whether and how joint access to the required standards can be reasonably achieved. The study involved issuing questionnaires, holding workshops and preparing findings on the basis of evidence gathered. BSI contributed to these activities and the recommendations of the project, with a focus on IPR issues in civil standards and means of access to standards.



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