Commonwealth Standards Network

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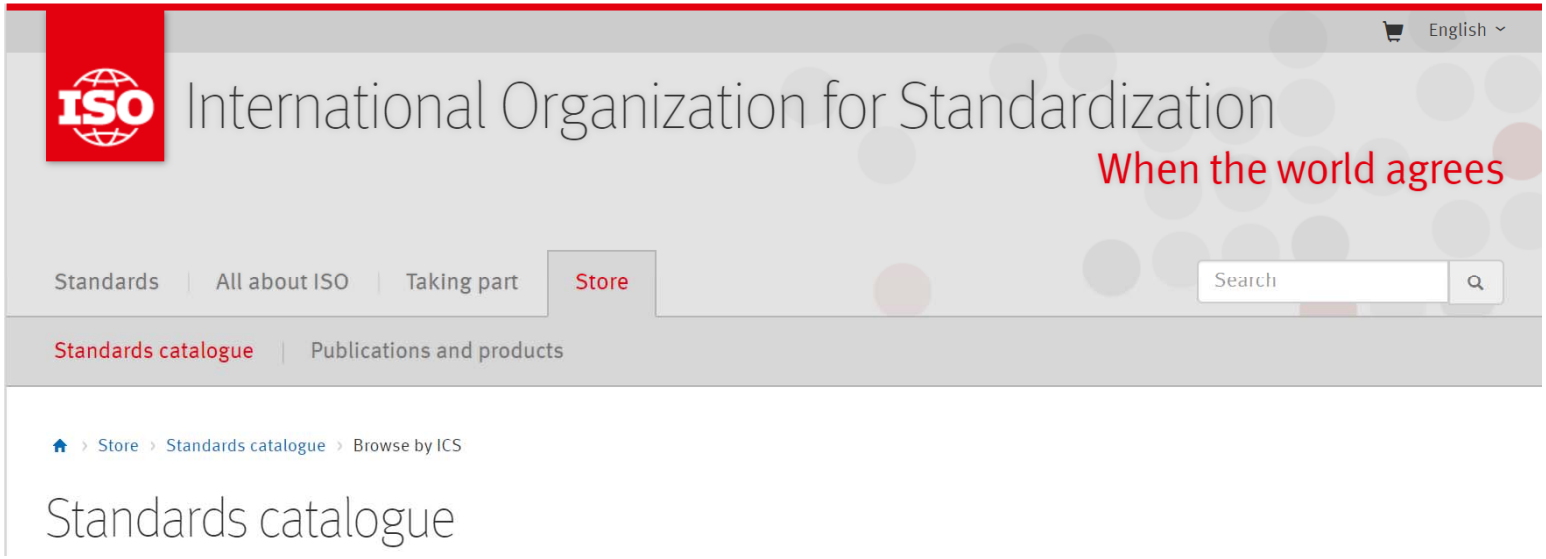
Standards: Identification

Standards: Identification

- ISO and the IEC have published over 30,000 International Standards and other publications over a huge range of fields and business sectors;
- There are tools available to help guide you in your search for relevant standards.



Standards: Identification

- International/Regional/National Standards;
- While ISO is best known for its International Standards, it has other deliverables:
  - Amendments (e.g. ISO Amd 1);
  - Technical Specifications (TS);
  - Technical Reports (TR);
  - Publicly Available Specifications (PAS);
  - Workshop Agreement (IWA/CWA);
  - Guides (non-normative publications).

Standards: Identification

- An **International Standard** provides rules, guidelines or characteristics for activities or for their results, aimed at achieving the optimum degree of order in a given context. It can take many forms. Apart from product standards, other examples include : test methods, codes of practice, guideline standards and management systems standards.
- A **Technical Specification** addresses work still under technical development, or where it is believed that there will be a future, but not immediate, possibility of agreement on an International Standard. A Technical Specification is published for immediate use, but it also provides a means to obtain feedback. The aim is that it will eventually be transformed and republished as an International Standard.

- A **Technical Report** may include data obtained from a survey, for example, or from an informative report, or information of the perceived "state of the art ".
- A **Publicly Available Specification** is published to respond to an urgent market need, representing either the consensus of the experts within a working group, or a consensus in an organization external to ISO. As with Technical Specifications, Publicly Available Specifications are published for immediate use and also serve as a means to obtain feedback for an eventual transformation into an International Standard. Publicly Available Specifications have a maximum life of six years, after which they can be transformed into an International Standard or withdrawn.

- An **International Workshop Agreement** is a document developed outside the normal ISO committee system to enable market players to negotiate in an " open workshop " environment. International Workshop Agreements are typically administratively supported by a member body. The published agreement includes an indication of the participating organizations involved in its development.
- **Guides** help readers understand more about the main areas where standards add value. Some Guides talk about how, and why, ISO standards can make it work better, safer, and more efficiently.

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- **Codes of practice** recommend sound good practice as currently undertaken by competent and conscientious practitioners. They are drafted to incorporate a degree of flexibility in application, whilst offering reliable indicative benchmarks. They are commonly used in the construction and civil engineering industries.
- **Methods** are also highly prescriptive, setting out an agreed way of measuring, testing or specifying what is reliably repeatable in different circumstances and places, wherever it needs to be applied.
- A **Vocabulary** is a set of terms and definitions to help harmonize the use of language in a particular subject or discipline.
- **Guides** are published to give less prescriptive advice which reflects the current thinking and practice amongst experts in a particular subject.
- Other categories of standard can be employed as necessary.

- **ISO Technical Committees (TCs)**
  - https://www.iso.org/technical-committees.html
  - 324 ISO TCs listed in the order in which they were created.

ISO/TC 1
Screw threads

Scope

Standardization of series of internationally interchangeable fastening and traversing screw threads with a minimum variety of basic profiles, pitches and diameters including tolerances and verification.

23	16	24
published ISO standards * under the direct responsibility of ISO/TC 1	Participating members	Observing members

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- **ISO Stage codes:**

	00 Registration	20 Start of main action	60 Completion of main action	92 Repeat an earlier phase	93 Repeat current phase	98 Abandon	99 Proceed
00 Preliminary	00.00 Proposal for new project received	00.20 Proposal for new project under review	00.60 Close of review			00.98 Proposal for new project abandoned	00.99 Approval to ballot proposal for new project
10 Proposal	10.00 Proposal for new project registered	10.20 New project ballot initiated	10.60 Close of voting	10.92 Proposal returned to submitter for further definition		10.98 New project rejected	10.99 New project approved
20 Preparatory	20.00 New project registered in TC/SC work programme	20.20 Working draft (WD) study initiated	20.60 Close of comment period			20.98 Project deleted	20.99 WD approved for registration as CD
30 Committee	30.00 Committee draft (CD) registered	30.20 CD study/ballot initiated	30.60 Close of voting/ comment period	30.92 CD referred back to Working Group		30.98 Project deleted	30.99 CD approved for registration as DIS
40 Enquiry	40.00 DIS registered	40.20 DIS ballot initiated: 12 weeks	40.60 Close of voting	40.92 Full report circulated: DIS referred back to TC or SC	40.93 Full report circulated: decision for new DIS ballot	40.98 Project deleted	40.99 Full report circulated: DIS approved for registration as FDIS
50 Approval	50.00 Final text received or FDIS registered for formal approval	50.20 Proof sent to secretariat or FDIS ballot initiated: 8 weeks	50.60 Close of voting. Proof returned by secretariat	50.92 FDIS or proof referred back to TC or SC		50.98 Project deleted	50.99 FDIS or proof approved for publication
60 Publication	60.00 International Standard under publication		60.60 International Standard published				
90 Review		90.20 International Standard under periodical review	90.60 Close of review	90.92 International Standard to be revised	90.93 International Standard confirmed		90.99 Withdrawal of International Standard proposed by TC or SC
95 Withdrawal		95.20 Withdrawal ballot initiated	95.60 Close of voting	95.92 Decision not to withdraw International Standard			95.99 Withdrawal of International Standard

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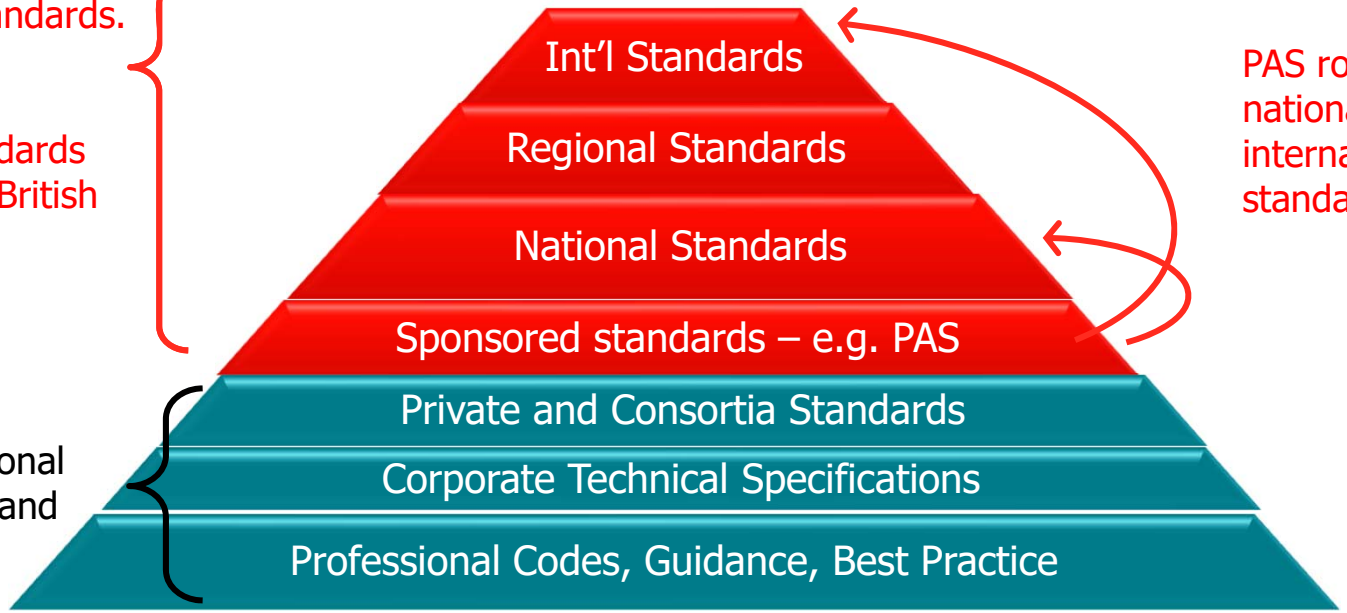
BSI as NSB manages BS, EN & ISO, IEC standards.

All EN and most international standards are "adopted" as British Standards



PAS route to national and international standards

Private & professional standards, codes and guidance

- The **ICS** (International Classification for Standards) serves as a structure for catalogues of international, regional and national standards and other normative documents, and as a basis for standing-order systems for international, regional and national standards. It may also be used for classifying standards and normative documents in databases, libraries, etc.
  - The ICS has a hierarchy of three levels:
    - **First level**: 40 ***fields*** of standardization;
    - **Second level**: 392 ***groups;***
    - **Third level**: 909 ***sub-groups;***
    - There is also an alphabetical index.

- **ICS example:**
  - ISO 3412:1992, Road vehicles – Screened and waterproof spark-plugs and their connections – Types 1A and 1B
    - ***field*** 43 ROAD VEHICLE ENGINEERING
    - ***group*** within the ***field*** is 43.060 Internal combustion engines for road vehicles
    - ***sub-group*** within the ***group*** is 43.060.50 Electrical equipment. Control systems

- **ICS** (7th Edition): https://www.iso.org/files/live/sites/isoorg/files/archive/pdf/en/international_classification_for_standards.pdf

- Search the **ISO catalogue of standards** using the ICS system at: https://www.iso.org/standards-catalogue/browse-by-ics.html

- Search the **IEC catalogue of standards** using the ICS system at: https://webstore.iec.ch/advsearchform

- The ISO **Online catalogue** www.iso.org/home.html can be searched via a quick search box on the top banner of each page. There is also a search page and an advanced search page.
  - Criteria for search include keywords and phrases, document reference (ISO) number ICS fields, by stage code, by ISO committee.
- The advanced search function https://www.iso.org/advanced-search/x/ enables a search for a specific document type or supplement type:
  - Search by ICS;
  - Search by stage code;
  - Search by committee;
  - Search scope i.e. published standards, work items or withdrawn;
  - Search by related UN Sustainable Development Goal.

Standards: Identification

- In your search for standards, you can also view parts of the ISO or IEC standards themselves to assess if they are relevant to your needs.
  - The **ISO Online Browsing Platform** (www.iso.org/obp) allows access to parts of the full text of ISO standards. Only informative sections of standards are publicly available.
  - The **IEC webstore** (https://webstore.iec.ch) allows access to parts of the full text of IEC standards. Only informative sections of standards are publicly available.

- **CSN Framework of International Standards:**
  - The themes covered provide a framework, contains of some the most popular International Standards;
  - The framework will assist Commonwealth Countries to improve trade arrangements;
  - They will improve the ability of companies and organizations and countries to reap the benefits of using International Standards, and will assist trade by recognizing elements of quality each other's goods and services and they will provide solutions to economic and social issues of citizens across the Commonwealth.

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- **CSN Framework of International Standards:**

No.	Standard or Project Number	Title	Stage	ICS	Theme
1	IEC 31010:2009	Risk management -- Risk assessment techniques	90.92	03.100.01	Business management and innovation
2	ISO 10001:2018	Quality management -- Customer satisfaction -- Guidelines for codes of conduct for organizations	60.60	03.120.10	Business management and innovation
3	ISO 10002:2018	Quality management -- Customer satisfaction -- Guidelines for complaints handling in organizations	60.60	03.120.10	Business management and innovation
4	ISO 10003:2018	Quality management -- Customer satisfaction -- Guidelines for dispute resolution external to organizations	60.60	03.120.10	Business management and innovation
5	ISO 10008:2013	Quality management -- Customer satisfaction -- Guidelines for business-to-consumer electronic commerce transactions	90.60	03.120.10	Business management and innovation
6	ISO 10272-1:2017	Microbiology of the food chain -- Horizontal method for detection and enumeration of Campylobacter spp. -- Part 1: Detection method	60.60	07.100.30	Food and agriculture
7	ISO 11290-1:2017	Microbiology of the food chain -- Horizontal method for the detection and enumeration of Listeria monocytogenes and of Listeria spp. -- Part 1: Detection method	60.60	07.100.30	Food and agriculture
8	ISO 13485:2016	Medical devices -- Quality management systems -- Requirements for regulatory purposes	60.00	03.100.70	ISO 9000 family - Quality management
9	ISO 15216-1:2017	Microbiology of the food chain -- Horizontal method for determination of hepatitis A virus and norovirus using real-time RT-PCR -- Part 1: Method for quantification	60.60	07.100.30	Food and agriculture
10	ISO 16140-1:2016	Microbiology of the food chain -- Method validation -- Part 1: Vocabulary	60.60	07.100.30	Food and agriculture
11	ISO 16140-2:2016	Microbiology of the food chain -- Method validation -- Part 2: Protocol for the validation of alternative (proprietary) methods against a reference method	60.60	07.100.30	Food and agriculture

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- **CSN Framework of International Standards:**

Theme	Number of Standards
CASCO Toolbox standards	37
Business Management and Innovation	23
Food and agriculture	22
ISO 9000 family - Quality management	9
Security, Safety and Risk	7
Other Themes –	
Information Technology	3
Energy Efficiency	2
Freight, packaging and distribution	1
Services	1
TOTAL	105

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