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TRAINING ACADEMY

Intermediate 1

Course 1

STANDARDISATION
TRAINING ACADEMY

Topic:

HOW TO FIND THE RIGHT STANDARD?

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the European Union

Module Objectives

After completing this module, you should be able to:

1. address and find the right ISO standard;
2. address and find the right IEC standard;
3. address and find the right ITU standard;
4. address and find the right CEN/CENELEC standard;
5. address and find the right ETSI standard;
6. address and find the right BSI standard;
7. address and find the right DIN standard;
8. address and find the right IEEE standard;
9. address and find the right ASTM standard; and
10. address and find the right ASME standard.



About The Author

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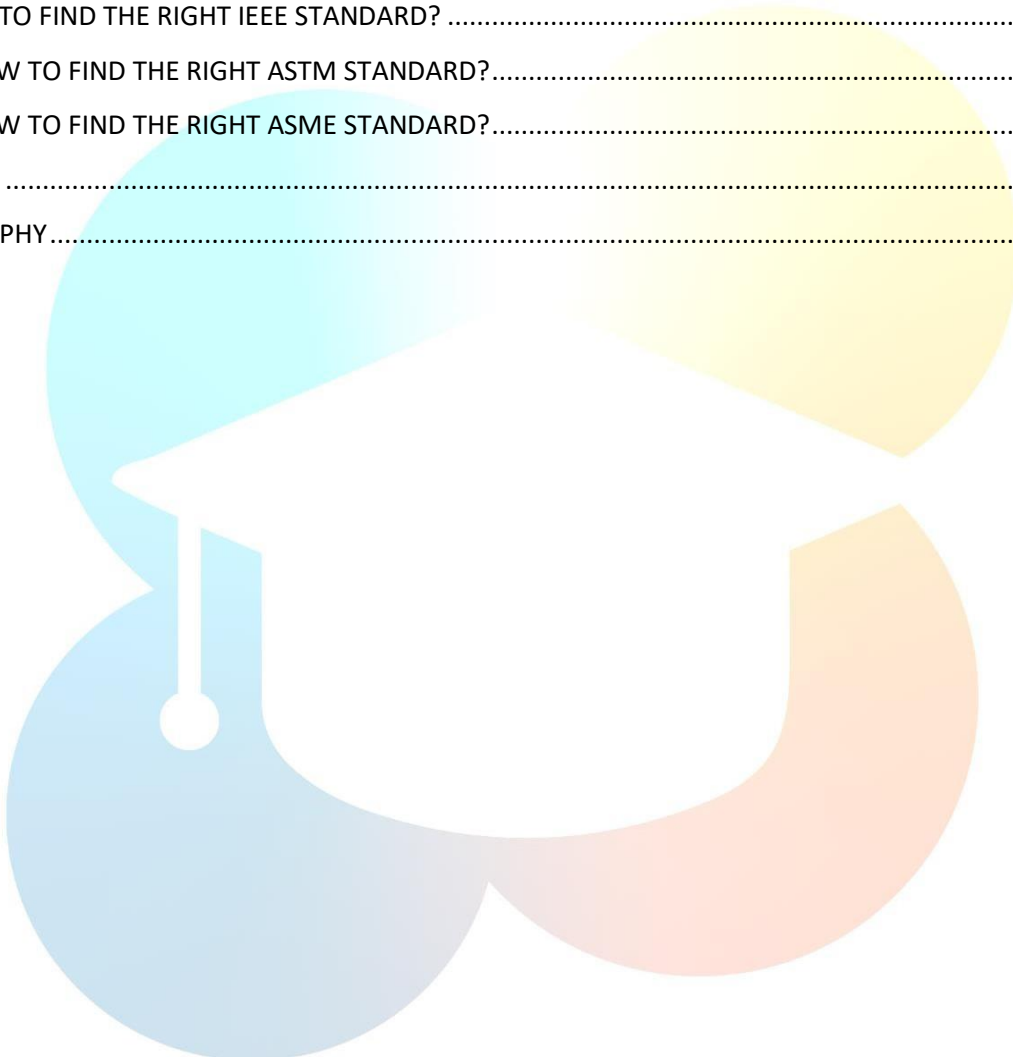


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Regulation of Quality, and Accreditation and Certification. She has been a member of the organisational board of the World Standards Cooperation Academic Day 2019 and the International Cooperation for Education about Standardisation (ICES) WorkShop 2019. She has been a member of the technical board of the International Symposium SymOrg 2020 titled "Business and Artificial Intelligence" and the SymOrg 2022 titled "Sustainable Business Management and Digital Transformation: Challenges and Opportunities in the post-COVID Era". She has been engaged in project III 47003 "Infrastructure for technology-enhanced learning in Serbia", supported by the Ministry of Education, Science, and Technological Development of the Republic of Serbia (2017-2020). She has been Editor in Chief of the Quality Media Station, the first media centre for quality established within the TEMPUS project titled "Enhancement of Quality Infrastructure in Western Balkan Countries (EQIWBC)" (2015-2017). She is currently a member of the National Mirror Committee Conformity Assessment & Quality Management KS CASCO at the Institute for Standardisation of Serbia (National Technical Committee related to ISO/CASCO, ISO/TC 176, ISO/TC 176/SC 1, ISO/TC 176/SC 2, ISO/TC 176/SC 3, ISO/TC 283, CEN/SS F20, CEN/TC 279, CEN/TC 379, CEN/TC 381, CEN/TC 389, CEN/CLC/JTC 1, and CEN/CLC/JTC 4).

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1 INTRODUCTION

There are many resources created by formal organisations for standardisation, professional and industrial associations, business associations, consortia, and fora to assist customers and users to address and find the right standard(s). Some of these organisations offer their standards freely via their website (e.g. standards developed by the ITU-T are publicly available and can be accessed freely) and some of them offer standards for a fee (e.g. most international, regional, or national SDOs). For example, one of the world's largest bibliographic databases of national, European, and international standards developed by over 200 organisations for standardisation from 29 countries, with 2,400,000 records is called the [Perinorm database](#).¹ The Perinorm database for searching and managing standards has been discontinued as of December 31, 2022.²

New and innovative solutions, based on the newest technologies, have been developed by the members of the Consortium that created the Perinorm database. You may find these solutions at the following links:

 <https://www.beuth.de/de/normen-management>

 <https://cdn.afnor.org/com/cobaz/discover-en.html>

2 HOW TO FIND THE RIGHT ISO STANDARD?

The [ISO Online Browsing Platform \(OBP\)](#) enables users to access the latest content in ISO standards, graphical symbols, codes, or terms and definitions across all ISO publications.³ All users can preview the entire catalogue of ISO standards for free.⁴ The preview enables users to access the document's forward, introduction, scope, normative references, terms and definitions, as well as the bibliography. Many standards even have "a redline view", which enables a comparison between the latest version of standards and the previous ones.⁵ This platform enables users to access the entire collection of ISO standards and subscribe to

¹ Perinorm. (2022). Perinorm Database. Accessed on November 03, 2022. Retrieved from:
<https://www.perinorm.com/home/default.aspx?ReturnUrl=%2Fdefault.aspx>

² Perinorm. (2022). Perinorm Database. Accessed on November 03, 2022. Retrieved from:
<https://www.perinorm.com/home/default.aspx?ReturnUrl=%2Fdefault.aspx>




³ ISOT. (2015). ISOT Guidance Note 2015-03. Accessed on November 03, 2022. Retrieved from:
<https://share.ansi.org/ISOT/ISOT%20Guidance%20Notes/ISOT%20Guidance%20Note%202015-03%20ISO's%20Online%20Browsing%20Platform.pdf>

⁴ ISOT. (2015). ISOT Guidance Note 2015-03. Accessed on November 03, 2022. Retrieved from:
<https://share.ansi.org/ISOT/ISOT%20Guidance%20Notes/ISOT%20Guidance%20Note%202015-03%20ISO's%20Online%20Browsing%20Platform.pdf>

⁵ ISOT. (2015). ISOT Guidance Note 2015-03. Accessed on November 03, 2022. Retrieved from:
<https://share.ansi.org/ISOT/ISOT%20Guidance%20Notes/ISOT%20Guidance%20Note%202015-03%20ISO's%20Online%20Browsing%20Platform.pdf>

email alerts when these documents are updated, amended, or withdrawn.⁶ Additionally, through this platform, users may see how some well-known terms and definitions are used within various industries and sectors.⁷ By using additional tools (e.g. filtering and sorting), users can easily expand their search to find the information and the standard(s) they need.⁸

The ISO OBP guarantees:⁹

-  the most up-to-date content (when a change is made, the OBP is directly updated),
-  ease of use (users may choose the format that best suits their needs), and
-  ubiquitous access (users may access OBP from anywhere as long as they are online).

To access the ISO website, please visit the following link:

 <https://www.iso.org/>

To access the ISO online browsing platform, please visit the following link:

 <https://www.iso.org/obp/ui>

⁶ ISOT. (2015). ISOT Guidance Note 2015-03. Accessed on November 03, 2022. Retrieved from: <https://share.ansi.org/ISOT/ISOT%20Guidance%20Notes/ISOT%20Guidance%20Note%202015-03%20ISO's%20Online%20Browsing%20Platform.pdf>

⁷ ISOT. (2015). ISOT Guidance Note 2015-03. Accessed on November 03, 2022. Retrieved from: <https://share.ansi.org/ISOT/ISOT%20Guidance%20Notes/ISOT%20Guidance%20Note%202015-03%20ISO's%20Online%20Browsing%20Platform.pdf>

⁸ ISOT. (2015). ISOT Guidance Note 2015-03. Accessed on November 03, 2022. Retrieved from: <https://share.ansi.org/ISOT/ISOT%20Guidance%20Notes/ISOT%20Guidance%20Note%202015-03%20ISO's%20Online%20Browsing%20Platform.pdf>

⁹ ISO. (2022). Online Collection of ISO Country Codes. Accessed on November 03, 2022. Retrieved from: <https://www.iso.org/news/2014/02/Ref1814.html>

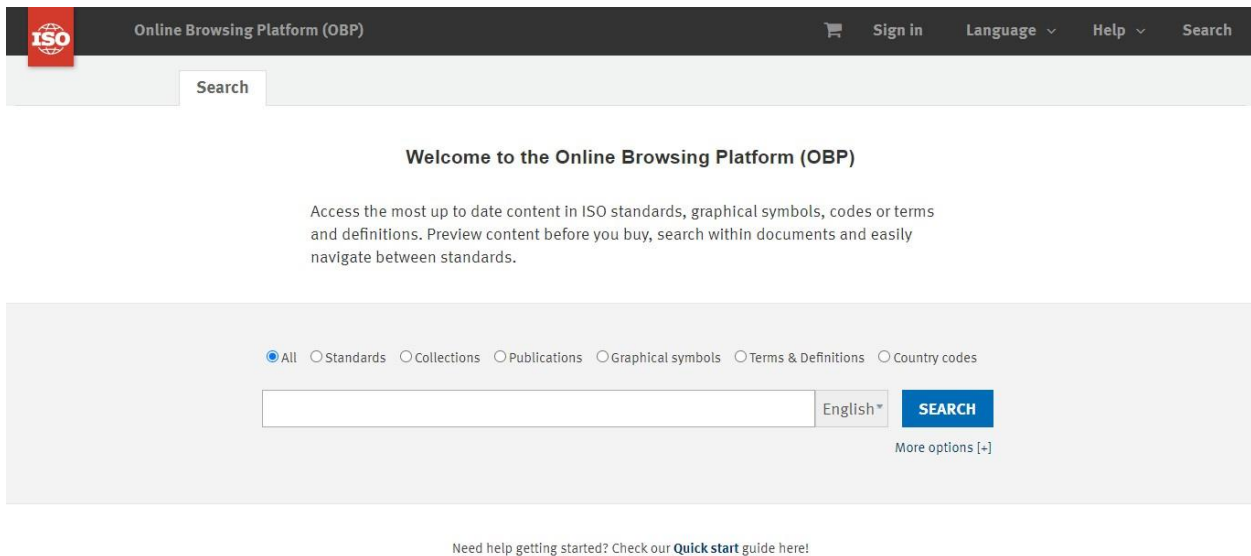


Fig. 1. ISO OBP ¹⁰

3 HOW TO FIND THE RIGHT IEC STANDARD?

The [IEC](#) website allows the advanced search across all [working documents](#), [project files](#), and [work programs](#), as well as, [publications](#) and [information on upcoming publications](#) concerning electrical and electronic goods.

¹¹ The IEC website allows users to find the documents they need by using the keywords (the words or the exact phrases), the committee or the committee title, the date range, as well as, the working area. ¹² Additionally, the IEC website allows users to search the [dashboard of any IEC committee](#). ¹³

To access the IEC website, please visit the following link:

 <https://www.iec.ch/>


To access the content on electrical and electronics goods, please visit the following links:



¹⁰ The printscreen of the link: <https://www.iso.org/obp/ui>


¹¹ IEC. (2022b). IEC Advanced Search. Accessed on November 03, 2022. Retrieved from: https://advsearch.iec.ch/ords/f?p=117:104:301822892176380::::FSP_LANG_ID:25


¹² IEC. (2022b). IEC Advanced Search. Accessed on November 03, 2022. Retrieved from: https://advsearch.iec.ch/ords/f?p=117:104:301822892176380::::FSP_LANG_ID:25

¹³ IEC. (2022b). IEC Advanced Search. Accessed on November 03, 2022. Retrieved from: https://advsearch.iec.ch/ords/f?p=117:104:301822892176380::::FSP_LANG_ID:25

 https://advsearch.iec.ch/ords/f?p=117:104:301822892176380::::FSP_LANG_ID:25


 https://advsearch.iec.ch/ords/f?p=117:104:301822892176380::::FSP_LANG_ID:25 

https://advsearch.iec.ch/ords/f?p=117:104:301822892176380::::FSP_LANG_ID:25 

https://advsearch.iec.ch/ords/f?p=117:105:301822892176380::::FSP_LANG_ID:25 

https://advsearch.iec.ch/ords/f?p=117:105:301822892176380::::FSP_LANG_ID:25

To find the dashboard of any IEC committee, please visit the following link:

 https://advsearch.iec.ch/ords/f?p=117:99:301822892176380::::FSP_LANG_ID:25

Additionally, the IEC TC 1 (Terminology) has developed the world's largest electrotechnical [terminology database](#), containing more than 22 000 terms and definitions considering all electrical, electronic, and related technologies (collectively known as electrotechnologies).¹⁴ All entries are developed in English and French, organized by subject area, with equivalent terms in 18 languages: Arabic, Chinese, Czech, Dutch (Belgian), Finnish, German, Italian, Japanese, Korean, Mongolian, Norwegian (Bokmål and Nynorsk), Polish, Portuguese, Russian, Serbian, Slovenian, Spanish and Swedish (coverage varies by area).¹⁵

To access the IEC's electrotechnical terminology database, please visit the following link:

 <https://www.electropedia.org/>

¹⁴ IEC. (2022a). Electropedia: The World's Online Electrotechnical Vocabulary. Accessed on November 03, 2022.
Retrieved from: <https://www.electropedia.org/>

¹⁵ IEC. (2022a). Electropedia: The World's Online Electrotechnical Vocabulary. Accessed on November 03, 2022.
Retrieved from: <https://www.electropedia.org/>

Advanced search

[Documents / Projects / Work Programme](#) [Publications / Work in Progress](#) [Dashboard Finder](#)

Working Documents, Project Files and Work Programme

Find the documents, projects and work programme you need.

Enter your criteria	
Key words:	All of these words (AND) + This exact phrase (" ") + Any of these words (OR) -
Working documents:	- all types - Reference: <input type="text"/>
Projects / Publications:	- all headers - Reference: <input type="text"/>
Committee:	- committee - - committee title -
Date range:	- select a period - OR: from - to -
Work areas:	<input checked="" type="checkbox"/> Working Documents <input checked="" type="checkbox"/> Project files <input checked="" type="checkbox"/> Work programme
<input type="button" value="Reset"/> <input type="button" value="Search"/>	

Fig. 2. IEC Advanced Search ¹⁶

4 HOW TO FIND THE RIGHT ITU STANDARD?

The [ITU-T](#) develops standards explaining the way in which telecommunications networks operate. These telecommunications standards are called Recommendations (ITU-T Recs) and they usually have a non-mandatory status until they are adopted by national laws. ¹⁷ The ITU membership allows exclusive access to standards under development and, once these standards are published, they are available for free. ¹⁸ Only common ITU-T|ISO/IEC texts (for which special arrangements exist) are not available for free. ¹⁹ The ITU-T Recommendations are mainly organized by the series structure and are cross-linked to “the corresponding work program item, the approval process, the formal description(s), test signals, supplements, implementer's guides, and the IPR statements when applicable”. ²⁰

To access the ITU website, please visit the following link:

¹⁶ The printscreen of the link: <https://advsearch.iec.ch/ords/f?p=117:104:0>

¹⁷ ITU. (2022). ITU-T Recommendations. Accessed on November 03, 2022. Retrieved from: <https://www.itu.int/en/ITU-T/publications/Pages/recs.aspx>

¹⁸ ITU. (2022). ITU-T Recommendations. Accessed on November 03, 2022. Retrieved from: <https://www.itu.int/en/ITU-T/publications/Pages/recs.aspx>

¹⁹ ITU. (2022). ITU-T Recommendations. Accessed on November 03, 2022. Retrieved from: <https://www.itu.int/en/ITU-T/publications/Pages/recs.aspx>

²⁰ ITU. (2022). ITU-T Recommendations. Accessed on November 03, 2022. Retrieved from: <https://www.itu.int/en/ITU-T/publications/Pages/recs.aspx>


 <https://www.itu.int/>

To access the ITU-T website, please visit the following link:

 <https://www.itu.int/en/ITU-T/>

To access the ITU-T Recommendations, please visit the following links:

 <https://www.itu.int/net4/ITU-T/search#?collection=ITU-T%20Recommendations>

 <https://www.itu.int/en/ITU-T/publications/Pages/latest.aspx>

 <https://www.itu.int/t/aap/aap-recs>




 <https://www.itu.int/net/ITU-T/lists/t-approval.aspx>

 <https://www.itu.int/ITU-T/recommendations/iso.aspx>

 <https://www.itu.int/pub/T-REC>

Additionally, the ITU-T has developed the official ITU [terminology database](#) explaining all “the abbreviations, acronyms, terms, and definitions contained in publications approved by the membership of ITU”.²¹ The database is regularly updated and maintained by the ITU-T.²²

The official ITU terminology database guarantees:²³

-  the terminology correspondence between the six official languages,
-  the terms and definitions, as well as, abbreviations, and
-  the reference to the ITU Publications (Recommendations, Reports, Regulatory, etc.).

To access the official ITU terminology database, please visit the following link:

 https://www.itu.int/br_tsb_terms/#/

²¹ ITU-T. (2022). ITU Terms and Definitions. Accessed on November 03, 2022. Retrieved from: https://www.itu.int/br_tsb_terms/#/

²² ITU-T. (2022). ITU Terms and Definitions. Accessed on November 03, 2022. Retrieved from: https://www.itu.int/br_tsb_terms/#/

²³ ITU-T. (2022). ITU Terms and Definitions. Accessed on November 03, 2022. Retrieved from: https://www.itu.int/br_tsb_terms/#/

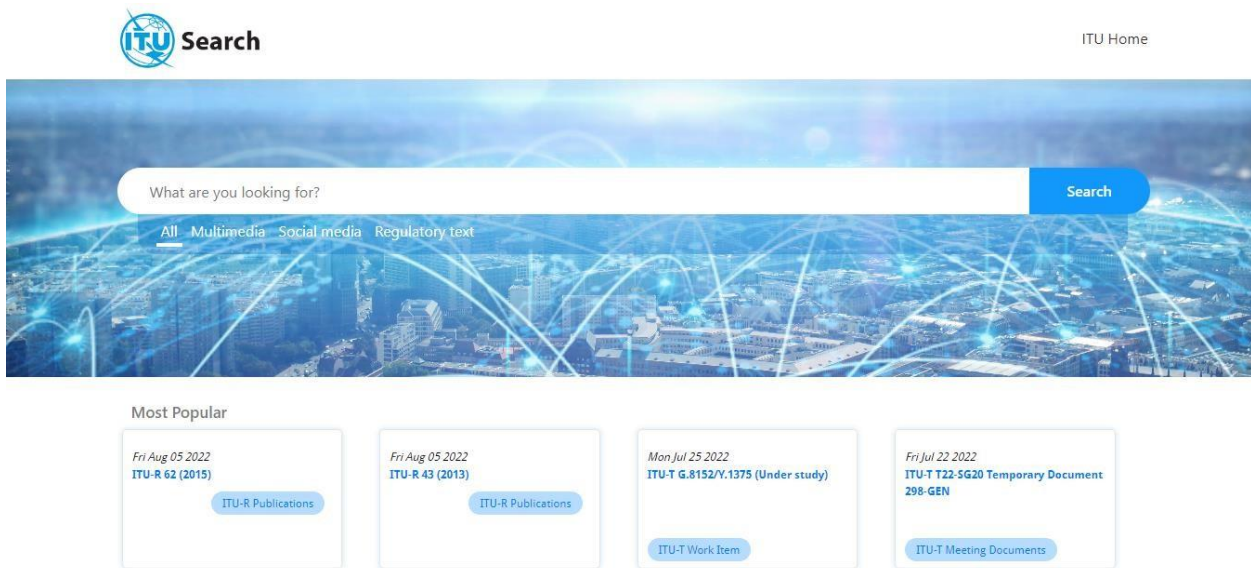


Fig. 3. ITU Search ²⁴

5 HOW TO FIND THE RIGHT CEN/CENELEC STANDARD?

European organisations for standardisation [CEN and CENELEC](#) do not distribute or sell standards. European Standards (ENs) and other documents, such as draft standards (prENs), Harmonized Documents (HDs), Technical Specifications (TSSs), Technical Reports (TRs), and CEN or CENELEC Workshop Agreements (CWAs), may be purchased from: ²⁵

-  CEN [Members & Affiliates](#); and
-  CENELEC [Members & Affiliates](#).

To access the CEN/CENELEC website, please visit the following link:

 <https://www.cencenelec.eu/>

To access the complete lists of CEN Members, please visit the following link:

 <https://standards.cencenelec.eu/dyn/www/f?p=CEN:5>

²⁴ The printscreen of the link: <https://www.itu.int/search>

²⁵ CEN/CENELEC. (2022b). Obtaining European Standards. Accessed on November 03, 2022. Retrieved from: <https://www.cencenelec.eu/european-standardisation/european-standards/obtaining-european-standards/>

To access the complete lists of CENELEC Members, please visit the following links:

 <https://standards.cencenelec.eu/dyn/www/f?p=CENELEC:5>

To access the complete lists of CEN Affiliates, please visit the following links:


 <https://standards.cencenelec.eu/dyn/www/f?p=CEN:9>

To access the complete lists of CENELEC Affiliates, please visit the following links:

 <https://standards.cencenelec.eu/dyn/www/f?p=CENELEC:9>

“European Standards are the result of extensive efforts performed by the market players who provide the expertise and fund the infrastructure of standardisation in Europe”.²⁶ They provide value for the users who support the work of experts by purchasing European Standards for a reasonable fee.²⁷ Several CEN and/or CENELEC Workshop Agreements (CWAs), mainly in the ICT domain, are available for free, given some special arrangements.²⁸

To see which CWAs are available for free, please visit the following link:

 <https://www.cencenelec.eu/get-involved/research-and-innovation/cen-and-cenelec-activities/cwa-download-area/>

The entire collections of both published standards and standards under development at CEN and CENELEC are available via the CEN and CENELEC “Search Standards” [database](#). The database allows users to search standards by their number and by all or part of the title (in English, German, and French). By using additional tools, users may access the scope of standards and narrow their search to find the information and the standard(s) they need.²⁹

²⁶ CEN/CENELEC. (2022a). Frequently Asked Questions (FAQs). Accessed on November 03, 2022. Retrieved from: <https://www.cencenelec.eu/bottom-navigation-pages/faqs/>

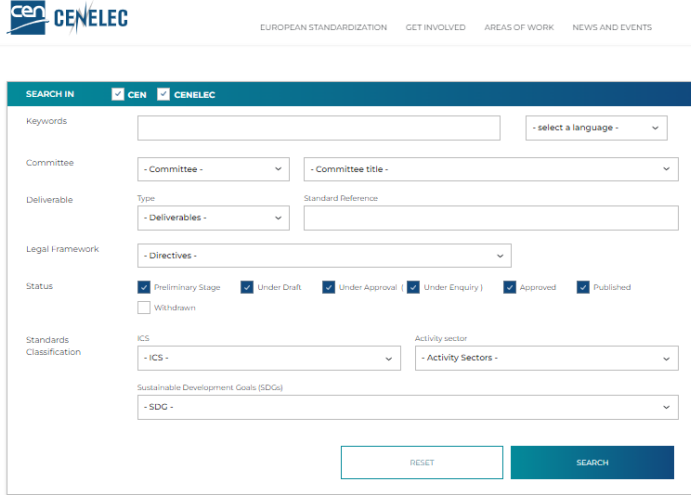
²⁷ CEN/CENELEC. (2022a). Frequently Asked Questions (FAQs). Accessed on November 03, 2022. Retrieved from: <https://www.cencenelec.eu/bottom-navigation-pages/faqs/>

²⁸ CEN/CENELEC. (2022a). Frequently Asked Questions (FAQs). Accessed on November 03, 2022. Retrieved from: <https://www.cencenelec.eu/bottom-navigation-pages/faqs/>

²⁹ CEN/CENELEC. (2022c). Search for a specific standard. Accessed on November 03, 2022. Retrieved from: <https://www.cencenelec.eu/get-involved/small-and-medium-enterprises-smes/tools-for-smes/finding-the-right-standards/>

To access the CEN and CENELEC search standards database, please visit the following link:

 <https://standards.cencenelec.eu/dyn/www/f?p=CEN:105::RESET:::>



The screenshot shows the search interface for the CEN & CENELEC standards database. At the top, there are navigation links: EUROPEAN STANDARDIZATION, GET INVOLVED, AREAS OF WORK, and NEWS AND EVENTS. The search interface includes a search bar, a language selection dropdown, and several filter categories: Committee, Deliverable (Type and Standard Reference), Legal Framework, Status (with checkboxes for Preliminary Stage, Under Draft, Under Approval, Under Enquiry, Approved, Published, and Withdrawn), Standards Classification (ICS and Sustainable Development Goals (SDGs)), and Activity Sector. There are 'RESET' and 'SEARCH' buttons at the bottom of the search form.

Fig. 4. CEN & CENELEC Search Standards Database ³⁰

6 HOW TO FIND THE RIGHT ETSI STANDARD?

The ETSI [website](#) allows the search across pre-defined [collections of standards](#), such as the most popular, the most recent, ES/EG on approval, EN on approval, published last week, HSs not yet cited in OJ, HSs RED cited in OJ, HSs EMC cited in OJ, HSs 2016/2102/EU cited in OJ, HSs cited in OJ. ³¹ As the European organisation for standardisation, ETSI works closely with each European country's NSB, many of which are ETSI members. ³² Standards can be obtained from ETSI [members](#) or by contacting one of the distributors from the [list](#).

To access the ETSI website, please visit the following link:


³⁰ The printscreen of the link: <https://standards.cencenelec.eu/dyn/www/f?p=CEN:105::RESET:::>

³¹ ETSI. (2022b). Search & Browse Standards. Accessed on November 03, 2022. Retrieved from: <https://www.etsi.org/standards/get-standards#Pre-defined%20Collections>

³² ETSI. (2022a). National Standards Organisations. Accessed on November 03, 2022. Retrieved from: <https://www.etsi.org/about/our-partnerships>

 <https://www.etsi.org/>

To search across pre-defined collections of ETSI standards, please visit the following link:

 <https://www.etsi.org/standards/get-standards#Pre-defined%20Collections>

To obtain ETSI standards from ETSI members, please visit the following link:

 <https://www.etsi.org/about/our-partnerships>

To obtain ETSI standards from one of the distributors, please visit the following link:

 <https://www.etsi.org/distributors-list>

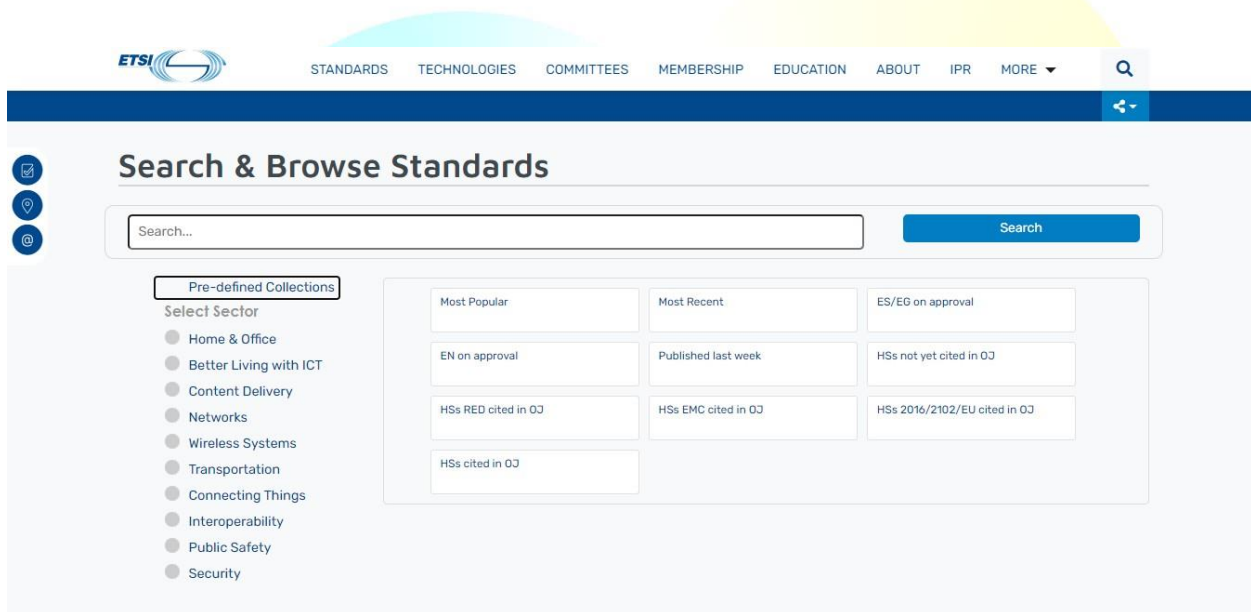


Fig. 5. ETSI Search & Browse Standards ³³

7 HOW TO FIND THE RIGHT BSI STANDARD?

The [BSI](#) offers users two ways to access and buy ISO, European, and British standards – [buying standards](#) and [subscribing to a collection of standards](#). There are several benefits of buying standards vs. subscribing to a

³³ The printscreen of the link: <https://www.etsi.org/standards-search#Pre-defined%20Collections>

collection of standards, and the BSI offers [guidance](#) and recommendations to users while assisting them to make the most reasonable choice.³⁴

To access the BSI website, please visit the following link:

 <https://www.bsigroup.com/>

To get the latest BSI news and BSI standards updates, please visit the following link:

 <https://knowledge.bsigroup.com/>

To subscribe to a collection of standards, please visit the following link:

 <https://www.bsigroup.com/en-GB/our-services/standards-subscription-services/>

To learn more about how to access and buy BSI standards, please visit the following link:

 <https://www.bsigroup.com/en-GB/standards/how-to-access-and-buy-ISO-standards/>

The BSI allows users to access and buy ISO, European, and British standards through the BSI Knowledge. The BSI Knowledge has recently been developed as a new platform that replaced the BSI Shop. The BSI Knowledge offers similar features as the BSI Shop, aimed at finding, buying, managing, and learning about standards.³⁵ As a developing platform, the BSI Knowledge offers several proven advantages to users, enabling them to improve their products/services, processes, and performances.³⁶ The BSI Knowledge will add additional services, such as “subscriptions, training, and service packages”.³⁷ One of the biggest advantages might be merging the [British Standards Online \(BSOL\)](#) and the BSI Knowledge.³⁸

To access a simple online tool that gives you instant access to standards and an opportunity to build your own database of relevant BSI standards, please visit the following link:

 <https://bsol.bsigroup.com/>

³⁴ BSI. (2022b). How to access and buy international standards and regulatory information? Accessed on November 03, 2022. Retrieved from: <https://www.bsigroup.com/en-GB/standards/how-to-access-and-buy-ISO-standards/>

³⁵ BSI. (2022a). BSI Knowledge: Discover the value of standards. Accessed on November 03, 2022. Retrieved from: <https://knowledge.bsigroup.com/articles/bsi-knowledge-discover-the-value-of-standards>

³⁶ BSI. (2022a). BSI Knowledge: Discover the value of standards. Accessed on November 03, 2022. Retrieved from: <https://knowledge.bsigroup.com/articles/bsi-knowledge-discover-the-value-of-standards>

³⁷ BSI. (2022a). BSI Knowledge: Discover the value of standards. Accessed on November 03, 2022. Retrieved from: <https://knowledge.bsigroup.com/articles/bsi-knowledge-discover-the-value-of-standards>

³⁸ BSI. (2022a). BSI Knowledge: Discover the value of standards. Accessed on November 03, 2022. Retrieved from: <https://knowledge.bsigroup.com/articles/bsi-knowledge-discover-the-value-of-standards>

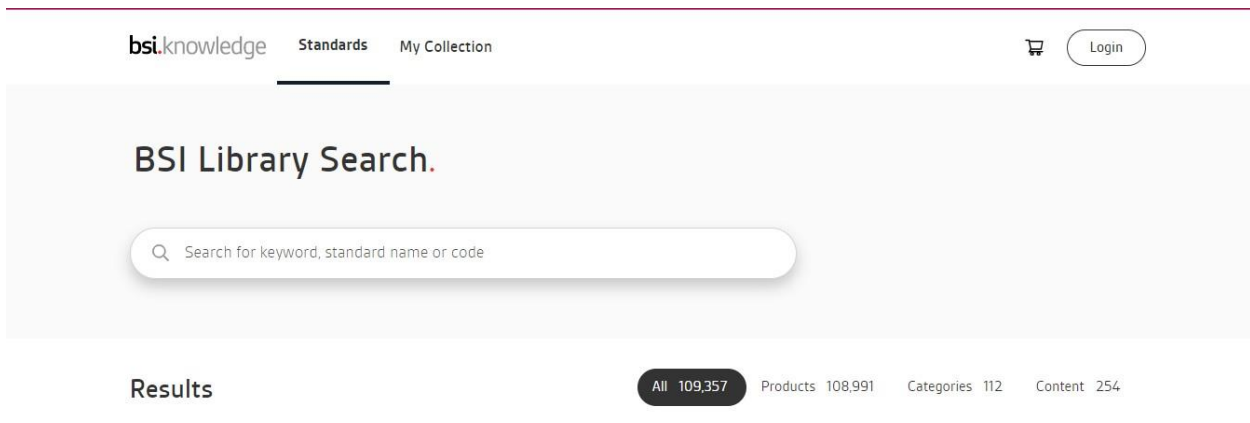


Fig. 6. BSI Library Search ³⁹

8 HOW TO FIND THE RIGHT DIN STANDARD?

As a subsidiary of the [DIN](#), [Beuth Verlag](#) is one of the leading organisations in Europe that offers standards, technical specifications, books, e-books, and a variety of services aimed at offering [standards collections](#) at reasonable prices. ⁴⁰ At Beuth Verlag, all users are enabled access to over 600,000 documents from various online standards collections, such as “single downloads, paper copies, flat rates, network licenses, or by subscription”. ⁴¹ Additionally, Beuth Verlag offers the possibility to [look inside the standard](#) where users are allowed access to a large part of the standards before making a decision to buy a standard. ⁴²

To access the DIN website, please visit the following link:

 <https://www.din.de/>

To access the Beuth website, please visit the following link:

 <https://www.beuth.de/>

³⁹ The printscreen of the link: <https://knowledge.bsigroup.com/search?query=&type=all>

⁴⁰ DIN. (2022a). Buy Standards. Accessed on November 03, 2022. Retrieved from: <https://www.din.de/en/about-standards/buy-standards>

⁴¹ Beuth Verlag. (2022b). Standards from around the World. Accessed on November 03, 2022. Retrieved from: <https://www.beuth.de/en/standards>

⁴² Beuth Verlag. (2022a). Look inside the standard. Accessed on November 03, 2022. Retrieved from: <https://www.beuth.de/en/standards/look-inside-the-standard>

To access standards collections, please visit the following link:

 <https://www.beuth.de/en/standards>

To look inside the standard(s), please visit the following link:

 <https://www.beuth.de/en/standards/look-inside-the-standard>

Accordingly, the DIN has developed an official terminology [database](#) that is freely available.⁴³ All entries are given in German, with English, French, and Polish equivalents.⁴⁴ The terminology database offers two levels of access: the DIN-TERM Online which does not require registration and enables access to more than 210,000 standards terms and the DIN-TERMinology Portal which is also free of charge but requires a one-time registration and enables the use of more advanced tools (e.g. filtering and sorting) across all documents.⁴⁵

To access the official terminology database, please visit the following link:

 <https://www.din.de/en/services/din-termonline>

⁴³ DIN. (2022b). DIN-TERMinology: Access for the Public. Accessed on November 03, 2022. Retrieved from: <https://www.din.de/en/services/terminology>

⁴⁴ DIN. (2022b). DIN-TERMinology: Access for the Public. Accessed on November 03, 2022. Retrieved from: <https://www.din.de/en/services/terminology>

⁴⁵ DIN. (2022b). DIN-TERMinology: Access for the Public. Accessed on November 03, 2022. Retrieved from: <https://www.din.de/en/services/terminology>

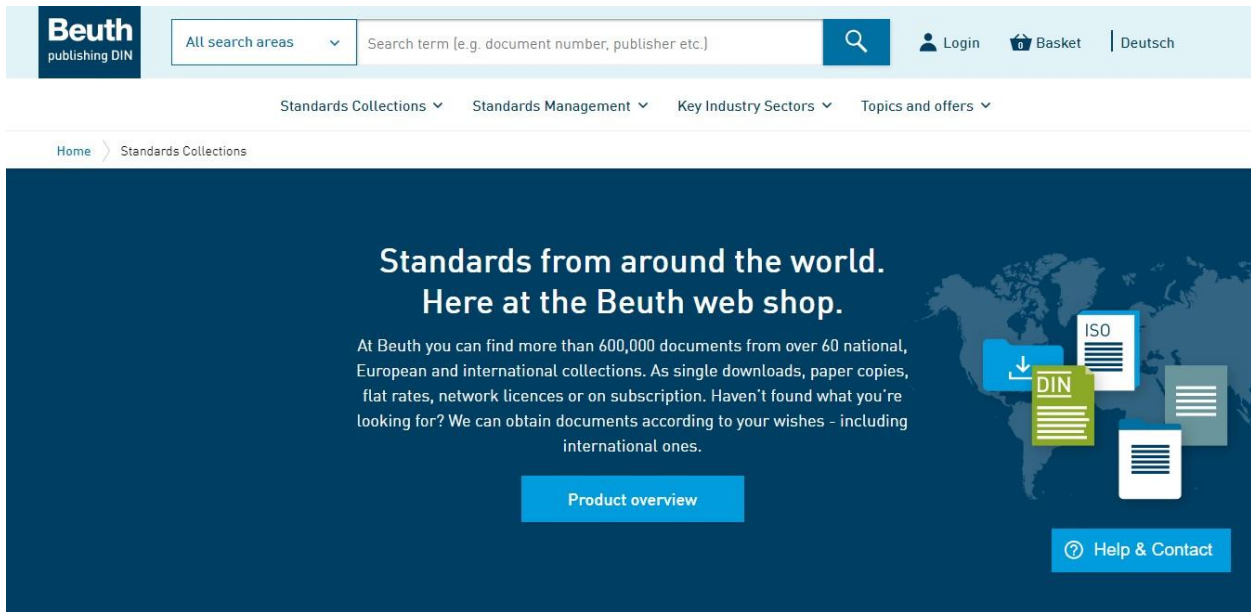






Fig. 7. Beuth publishing DIN ⁴⁶

9 HOW TO FIND THE RIGHT IEEE STANDARD?

The IEEE [website](#) offers users four ways to access and buy standards: ⁴⁷

-  [IEEE Standards Store](#),
-  [IEEE Xplore Digital Library](#),
-  [IEEE Standards Reading Room](#), and
-  [IEEE GET Program](#).

To access the IEEE website, please visit the following link:

-  <https://standards.ieee.org/>

To access the IEEE Standards Store, please visit the following link:

-  <https://www.techstreet.com/ieee/>

⁴⁶ The printscreen of the link: <https://www.beuth.de/en/standards>

⁴⁷ IEEE. (2022a). Access Standards. Accessed on November 03, 2022. Retrieved from: <https://standards.ieee.org/access-standards/>


To access the IEEE Xplore Digital Library, please visit the following link:

 <https://ieeexplore.ieee.org/Xplore/home.jsp>

To access the IEEE Standards Reading Room, please visit the following link:

 <https://ieeexplore.ieee.org/browse/standards/reading-room/page>

To access the IEEE Get Program, please visit the following link:

 <https://ieeexplore.ieee.org/browse/standards/get-program/page>

The standards store allows search by category (e.g. by technical committee or by ICS code) and offers [standards online collections](#) that are most suitable for companies, universities, and governmental agencies.

⁴⁸ The standards store also offers [standards tracking services](#) aimed at tracking standards and notifying if anything changes. ⁴⁹ The digital library allows [advanced](#), [command](#), and [citation search](#), enabling users to access over 5.666.753 documents, such as [books](#), [conferences](#), [courses](#), [journals and magazines](#), and [standards](#). ⁵⁰ The digital library offers several [search examples](#) and [search tips](#) while enabling users to search the digital library for keywords, phrases, author names, and publication details. ⁵¹ The reading room allows users to access a complete [list](#) of standards referenced by the law in the view-only format. ⁵² With support from the IEEE, industry sponsors, and the government, the Get Program allows users to access a complete [list](#) of standards for free. ⁵³

To access standards online collections, please visit the following link:

 <https://innovate.ieee.org/ieee-standards-online-collections/>

⁴⁸ IEEE. (2022c). IEEE Standards Store. Accessed on November 03, 2022. Retrieved from:
<https://www.techstreet.com/ieee/>

⁴⁹ IEEE. (2022c). IEEE Standards Store. Accessed on November 03, 2022. Retrieved from:
<https://www.techstreet.com/ieee/>

⁵⁰ IEEE. (2022e). IEEE Xplore Digital Library. Accessed on November 03, 2022. Retrieved from:
<https://ieeexplore.ieee.org/Xplore/home.jsp>

⁵¹ IEEE. (2022e). IEEE Xplore Digital Library. Accessed on November 03, 2022. Retrieved from:
<https://ieeexplore.ieee.org/Xplore/home.jsp>

⁵² IEEE. (2022b). IEEE Standards Reading Room. Accessed on November 03, 2022. Retrieved from:
<https://ieeexplore.ieee.org/browse/standards/reading-room/page>

⁵³ IEEE. (2022d). IEEE Get Program. Accessed on November 03, 2022. Retrieved from:
<https://ieeexplore.ieee.org/Xplorehelp/subscriptions-and-open-access/ieee-get-program#about-the-ieee-get-program>

To learn more about standards tracking services, please visit the following link:

 https://www.techstreet.com/ieee/pages/tracker_instructions.html

To learn more about advanced, command and citation search, please visit the following links:

 <https://ieeexplore.ieee.org/search/advanced>

 <https://ieeexplore.ieee.org/search/advanced/command>

 <https://ieeexplore.ieee.org/search/advanced/citation>

To explore the IEEE content, please visit the following links:

 <https://ieeexplore.ieee.org/browse/books/title>

 <https://ieeexplore.ieee.org/browse/conferences/title>

 <https://ieeexplore.ieee.org/courses/home>

 <https://ieeexplore.ieee.org/browse/periodicals/title>

 <https://ieeexplore.ieee.org/browse/standards/collection/ieee>

To explore search examples, please visit the following link:

 <https://ieeexplore.ieee.org/Xplorehelp/searching-ieee-xplore/search-examples>

To explore search tips, please visit the following link:

 <https://ieeexplore.ieee.org/Xplorehelp/searching-ieee-xplore/search-tips>

To access a complete list of standards referenced by the law, please visit the following link:

 <https://ieeexplore.ieee.org/browse/standards/reading-room/page>

To access a complete list of standards for free, please visit the following link:

 <https://ieeexplore.ieee.org/browse/standards/get-program/page>

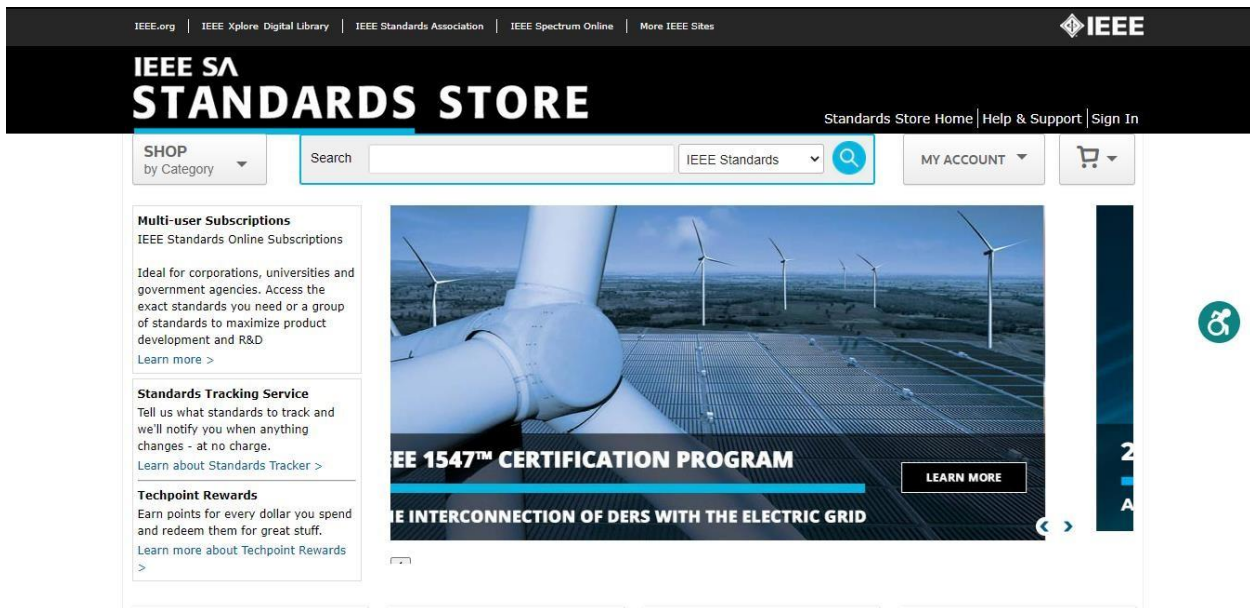


Fig. 8. IEEE Standards Store ⁵⁴

10 HOW TO FIND THE RIGHT ASTM STANDARD?

The ASTM [website](#) allows users to access [standards](#), [books](#), [journals](#), and [technical articles](#) via [Digital Library](#). When it comes to standards, users can buy one standard, a volume that consists of several standards, a section that consists of several volumes, or the entire collection of standards. ⁵⁵ The website allows users to access the [Annual Book of Standards](#) which consists of over 12,800 standards and is available online. The users can also access [online volume subscriptions](#) via the [ASTM Compass platform](#). ⁵⁶ These online volumes are regularly updated and maintained, and allow users to access working drafts, updated, amended, or withdrawn versions of standards, as well as, additional tools, such as annotations, comparisons, and bookmarks. ⁵⁷ The website also allows users to access the complete list of [adjuncts](#) (sorted by Committee) (adjuncts are “the data or material that supplement and support a standard but, due to their size, volume, physical makeup, or nature, are not included in the text of a standard”). ⁵⁸ The website offers the [Reading Room](#) where users can preview some of the safety standards referenced by the US regulations. ⁵⁹

⁵⁴ The printscreen of the link: <https://www.techstreet.com/ieee/>

⁵⁵ ASTM. (2022d). Standards Products. Accessed on November 03, 2022. Retrieved from: <https://www.astm.org/products-services/standards-and-publications/standards.html>

⁵⁶ ASTM. (2022b). Annual Book of ASTM Standards. Accessed on November 03, 2022. Retrieved from: <https://www.astm.org/products-services/bos.html>

⁵⁷ ASTM. (2022b). Annual Book of ASTM Standards. Accessed on November 03, 2022. Retrieved from: <https://www.astm.org/products-services/bos.html>

⁵⁸ ASTM. (2022a). Adjuncts by Committee. Accessed on November 03, 2022. Retrieved from: <https://www.astm.org/products-services/standards-and-publications/adjuncts-and-reference-radiographs.html>

⁵⁹ ASTM. (2022c). Reading Room. Accessed on November 03, 2022. Retrieved from: <https://www.astm.org/products->

To access the ASTM website, please visit the following link:

 <https://www.astm.org/>

To access the ASTM digital library, please visit the following link:

 <https://www.astm.org/products-services/digital-library.html>


To access the Annual Book of Standards, please visit the following link:

 <https://www.astm.org/products-services/bos.html>

To access online volume subscriptions, please visit the following link:

 <https://www.astm.org/products-services/standards-and-publications/standards/online-subscriptions.html>

To assess ASTM Compass platform, please visit the following link:

 https://www.astm.org/products-services/enterprise-solutions/astm-compass.html?utm_source=google&utm_medium=cpc&utm_campaign=astm+compass&gclid=Cj0KCQjwLK-WBhDjARIsAO2sErTULL_Y7KvQuaSjHOwveKYOCEk1gB1cof36ZE6Bn3z8jaTeprMzImAaAgmKEALw_wcB

To access the complete list of adjuncts, please visit the following link:

 <https://www.astm.org/products-services/standards-and-publications/adjuncts-and-reference-radiographs.html>

[services/reading-room.html](#)

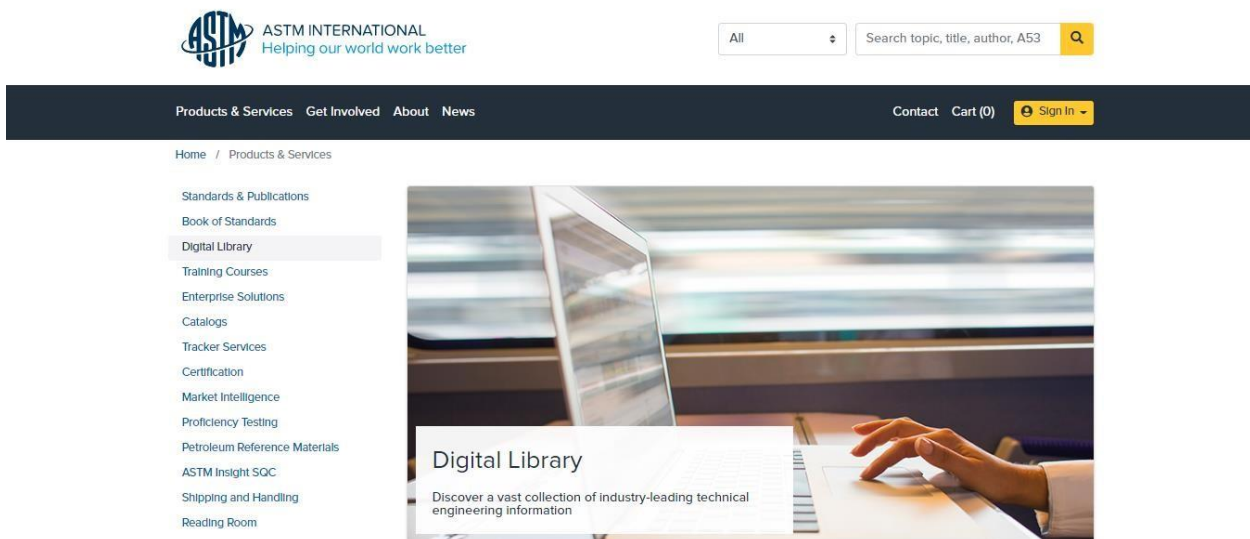


Fig. 9. ASTM Digital Library ⁶⁰


11 HOW TO FIND THE RIGHT ASME STANDARD?

The ASME [website](#) allows users to access standards and codes by using more advanced tools (e.g. filtering and sorting). The website also allows [standards update notifications](#). Additionally, the ASME [digital collection](#) allows users to access engineering content, such as [conference proceedings](#) (back to 1955), [journals](#) (back to 1959), and [books](#) (back to 1993). ⁶¹

To access the ASME website, please visit the following link:

 <https://www.asme.org/>

To get standards update notifications, please visit the following link:

 <https://www.asme.org/codes-standards/product-update-notifications>

To access the ASME digital collection(s), please visit the following links:

 <https://asmedigitalcollection.asme.org/>

⁶⁰ The printscreen of the link: <https://www.astm.org/products-services/digital-library.html>

⁶¹ ASME. (2022). The ASME Digital Collection. Accessed on November 03, 2022. Retrieved from: <https://asmedigitalcollection.asme.org/pages/about>


To access the ASME engineering content, please visit the following link:

 <https://www.asme.org/publications-submissions/proceedings>

 <https://www.asme.org/publications-submissions/journals>

 <https://www.asme.org/publications-submissions/books>

The ASME also offers online courses on a wide variety of topics:

 <https://www.asme.org/learning-development/find-course>

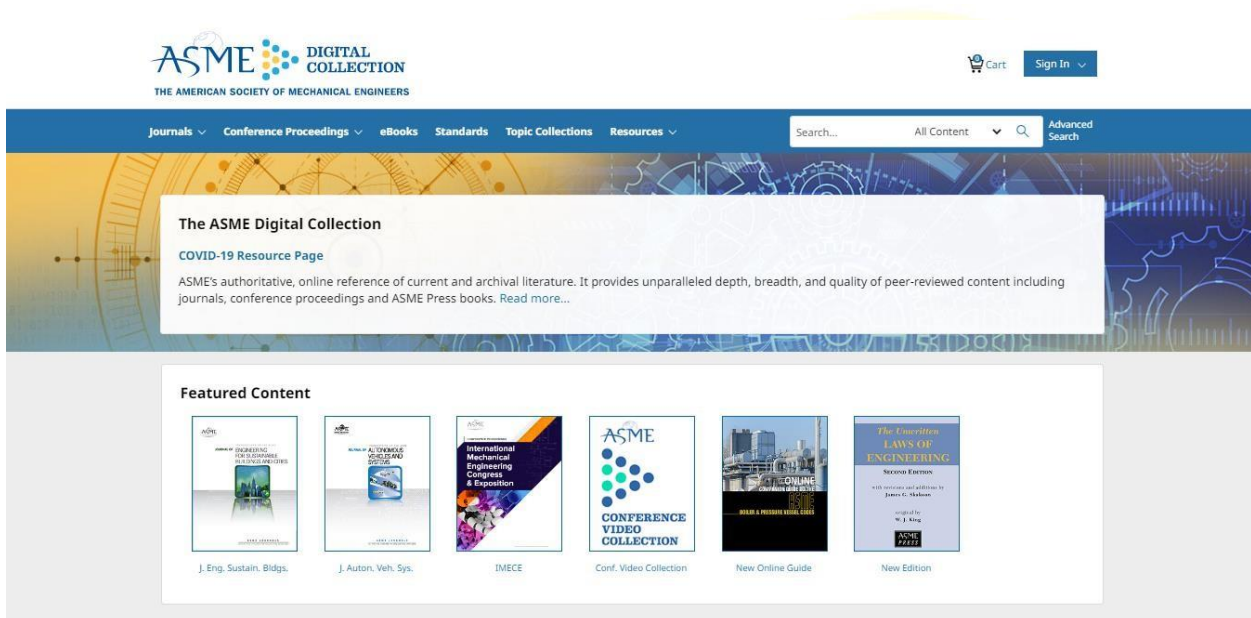


Fig. 10. ASME Digital Collection ⁶²

⁶² The printscreen of the link: <https://asmedigitalcollection.asme.org/>

SUMMARY

There are many resources created by formal organisations for standardisation, professional and industrial associations, business associations, consortia, and fora to assist customers and users to address and find the right standard(s). Some of these organisations offer their standards freely via their website (e.g. standards developed by the ITU-T are publicly available and can be accessed freely) and some of them offer standards for a fee (e.g. most international, regional, or national SDOs). For example, one of the world's largest bibliographic databases of national, European, and international standards developed by over 200 organisations for standardisation from 29 countries, with over 2,400,000 records is called [Perinorm](#).⁶³ Available in three languages (English, French & German), the Perinorm allows users to easily make standards queries and manage their own standards database.⁶⁴ The [ISO Online Browsing Platform \(OBP\)](#) enables users to access the latest content in ISO standards, graphical symbols, codes, or terms and definitions across all ISO publications.⁶⁵ All users can preview the entire catalogue of ISO standards for free.⁶⁶ The [IEC](#) website allows the advanced search across all [working documents](#), [project files](#), and [work programs](#), as well as, [publications](#) and [information on upcoming publications](#) concerning electrical and electronic goods.⁶⁷ The ITU membership allows exclusive access to standards under development and, once these standards are published, they are available for free.⁶⁸ Only common ITU-T|ISO/IEC texts (for which special arrangements exist) are not available for free.⁶⁹ European organisations for standardisation [CEN and CENELEC](#) do not distribute or sell standards. European Standards (ENs) and other documents, such as draft standards (prENs), Harmonized Documents (HDs), Technical Specifications (TSs), Technical Reports (TRs), and CEN or CENELEC Workshop Agreements (CWAs), may be purchased from CEN [Members](#) and [Affiliates](#) and CENELEC [Members](#) and [Affiliates](#).⁷⁰ Similarly, ETSI standards can be obtained from ETSI [members](#) or by contacting one of the distributors from the [list](#). The [BSI](#) offers users two ways to access and buy ISO, European, and British standards – [buying standards](#) and [subscribing to a collection of standards](#). There are several benefits of buying standards vs. subscribing to a collection of standards, and the BSI offers [guidance](#) and

⁶³ Perinorm. (2022). Perinorm Database. Accessed on November 03, 2022. Retrieved from:

<https://www.perinorm.com/home/default.aspx?ReturnUrl=%2Fdefault.aspx>

⁶⁴ Perinorm. (2022). Perinorm Database. Accessed on November 03, 2022. Retrieved from:

<https://www.perinorm.com/home/default.aspx?ReturnUrl=%2Fdefault.aspx>

⁶⁵ ISOT. (2015). ISOT Guidance Note 2015-03. Accessed on November 03, 2022. Retrieved from:

<https://share.ansi.org/ISOT/ISOT%20Guidance%20Notes/ISOT%20Guidance%20Note%202015-03%20ISO's%20Online%20Browsing%20Platform.pdf>

⁶⁶ ISOT. (2015). ISOT Guidance Note 2015-03. Accessed on November 03, 2022. Retrieved from:

<https://share.ansi.org/ISOT/ISOT%20Guidance%20Notes/ISOT%20Guidance%20Note%202015-03%20ISO's%20Online%20Browsing%20Platform.pdf>

⁶⁷ IEC. (2022b). IEC Advanced Search. Accessed on November 03, 2022. Retrieved from:

https://advsearch.iec.ch/ords/f?p=117:104:301822892176380:::FSP_LANG_ID:25

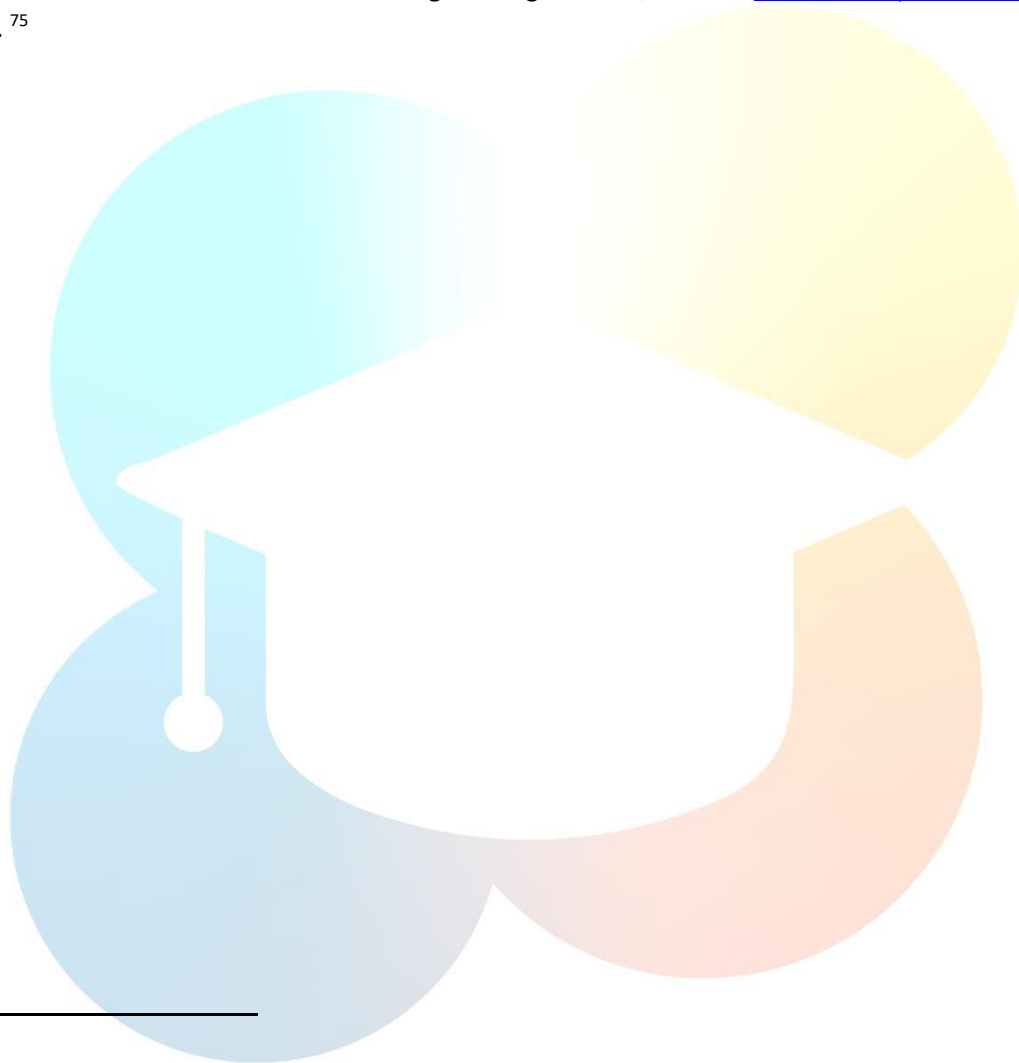
⁶⁸ ITU. (2022). ITU-T Recommendations. Accessed on November 03, 2022. Retrieved from: <https://www.itu.int/en/ITU-T/publications/Pages/recs.aspx>

⁶⁹ ITU. (2022). ITU-T Recommendations. Accessed on November 03, 2022. Retrieved from: <https://www.itu.int/en/ITU-T/publications/Pages/recs.aspx>

⁷⁰ CEN/CENELEC. (2022b). Obtaining European Standards. Accessed on November 03, 2022. Retrieved from:

<https://www.cencenelec.eu/european-standardisation/european-standards/obtaining-european-standards/>

recommendations to users while assisting them to make the most reasonable choice.⁷¹ As a subsidiary of the [DIN](#), [Beuth Verlag](#) is one of the leading organisations in Europe that offers standards, technical specifications, books, e-books, and a variety of services aimed at offering [standards collections](#) at reasonable prices.⁷² At Beuth Verlag, all users are enabled access to over 600,000 documents from various online standards collections, such as “single downloads, paper copies, flat rates, network licenses, or standards by subscription”.⁷³ The IEEE [website](#) offers four ways to access and buy standards – IEEE Standards Store, IEEE Xplore Digital Library, IEEE Standards Reading Room, and IEEE Get Program.⁷⁴ The ASTM [website](#) allows users to access [standards](#), [books](#), [journals](#), and [technical articles](#) via [Digital Library](#). The ASME [website](#) allows users to access standards and codes by using more advanced tools (e.g. filtering and sorting). The ASME [digital collection](#) allows users to access the ASME engineering content, such as [conference proceedings](#), [journals](#), and [books](#).⁷⁵



⁷¹ BSI. (2022b). How to access and buy international standards and regulatory information? Accessed on November 03, 2022. Retrieved from: <https://www.bsigroup.com/en-GB/standards/how-to-access-and-buy-ISO-standards/>

⁷² DIN. (2022a). Buy Standards. Accessed on November 03, 2022. Retrieved from: <https://www.din.de/en/about-standards/buy-standards>

⁷³ Beuth Verlag. (2022b). Standards from around the World. Accessed on November 03, 2022. Retrieved from: <https://www.beuth.de/en/standards>

⁷⁴ IEEE. (2022a). Access Standards. Accessed on November 03, 2022. Retrieved from: <https://standards.ieee.org/access-standards/>

⁷⁵ ASME. (2022). The ASME Digital Collection. Accessed on November 03, 2022. Retrieved from: <https://asmedigitalcollection.asme.org/pages/about>

BIBLIOGRAPHY

- ASME. (2022). The ASME Digital Collection. Accessed on November 03, 2022. Retrieved from: <https://asmedigitalcollection.asme.org/pages/about>
- ASTM. (2022a). Adjuncts by Committee. Accessed on November 03, 2022. Retrieved from: <https://www.astm.org/products-services/standards-and-publications/adjuncts-and-reference-radiographs.html>
- ASTM. (2022b). Annual Book of ASTM Standards. Accessed on November 03, 2022. Retrieved from: <https://www.astm.org/products-services/bos.html>
- ASTM. (2022c). Reading Room. Accessed on November 03, 2022. Retrieved from: <https://www.astm.org/products-services/reading-room.html>
- ASTM. (2022d). Standards Products. Accessed on November 03, 2022. Retrieved from: <https://www.astm.org/products-services/standards-and-publications/standards.html>
- Beuth Verlag. (2022a). Look inside the standard. Accessed on November 03, 2022. Retrieved from: <https://www.beuth.de/en/standards/look-inside-the-standard>
- Beuth Verlag. (2022b). Standards from around the World. Accessed on November 03, 2022. Retrieved from: <https://www.beuth.de/en/standards>
- BSI. (2022a). BSI Knowledge: Discover the value of standards. Accessed on November 03, 2022. Retrieved from: <https://knowledge.bsigroup.com/articles/bsi-knowledge-discover-the-value-of-standards>
- BSI. (2022b). How to access and buy international standards and regulatory information? Accessed on November 03, 2022. Retrieved from: <https://www.bsigroup.com/en-GB/standards/how-to-access-and-buy-ISO-standards/>
- CEN/CENELEC. (2022a). Frequently Asked Questions (FAQs). Accessed on November 03, 2022. Retrieved from: <https://www.cencenelec.eu/bottom-navigation-pages/faqs/>
- CEN/CENELEC. (2022b). Obtaining European Standards. Accessed on November 03, 2022. Retrieved from: <https://www.cencenelec.eu/european-standardisation/european-standards/obtaining-european-standards/>
- CEN/CENELEC. (2022c). Search for a specific standard. Accessed on November 03, 2022. Retrieved from: <https://www.cencenelec.eu/get-involved/small-and-medium-enterprises-smes/tools-for-smes/finding-the-right-standards/>
- DIN. (2022a). Buy Standards. Accessed on November 03, 2022. Retrieved from: <https://www.din.de/en/about-standards/buy-standards>

- DIN. (2022b). DIN-TERMinology: Access for the Public. Accessed on November 03, 2022. Retrieved from: <https://www.din.de/en/services/terminology>
- ETSI. (2022a). National Standards Organisations. Accessed on November 03, 2022. Retrieved from: <https://www.etsi.org/about/our-partnerships>
- ETSI. (2022b). Search & Browse Standards. Accessed on November 03, 2022. Retrieved from: <https://www.etsi.org/standards/get-standards#Pre-defined%20Collections>
- IEC. (2022a). Electropedia: The World's Online Electrotechnical Vocabulary. Accessed on November 03, 2022. Retrieved from: <https://www.electropedia.org/>
- IEC. (2022b). IEC Advanced Search. Accessed on November 03, 2022. Retrieved from: https://advsearch.iec.ch/ords/f?p=117:104:301822892176380:::FSP_LANG_ID:25
- IEEE. (2022a). Access Standards. Accessed on November 03, 2022. Retrieved from: <https://standards.ieee.org/access-standards/>
- IEEE. (2022b). IEEE Standards Reading Room. Accessed on November 03, 2022. Retrieved from: <https://ieeexplore.ieee.org/browse/standards/reading-room/page>
- IEEE. (2022c). IEEE Standards Store. Accessed on November 03, 2022. Retrieved from: <https://www.techstreet.com/ieee/>
- IEEE. (2022d). IEEE Get Program. Accessed on November 03, 2022. Retrieved from: <https://ieeexplore.ieee.org/Xplorehelp/subscriptions-and-open-access/ieee-get-program#about-the-ieee-get-program>
- IEEE. (2022e). IEEE Xplore Digital Library. Accessed on November 03, 2022. Retrieved from: <https://ieeexplore.ieee.org/Xplore/home.jsp>
- ISO. (2022). Online Collection of ISO Country Codes. Accessed on November 03, 2022. Retrieved from: <https://www.iso.org/news/2014/02/Ref1814.html>
- ISOT. (2015). ISOT Guidance Note 2015-03. Accessed on November 03, 2022. Retrieved from: <https://share.ansi.org/ISOT/ISOT%20Guidance%20Notes/ISOT%20Guidance%20Note%202015-03%20ISO's%20Online%20Browsing%20Platform.pdf>
- ITU-T. (2022). ITU Terms and Definitions. Accessed on November 03, 2022. Retrieved from: https://www.itu.int/br_tsb_terms/#/
- ITU. (2022). ITU-T Recommendations. Accessed on November 03, 2022. Retrieved from: <https://www.itu.int/en/ITU-T/publications/Pages/recs.aspx>
- Perinorm. (2022). Perinorm Database. Accessed on November 03, 2022. Retrieved from: <https://www.perinorm.com/home/default.aspx?ReturnUrl=%2Fdefault.aspx>



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