

## NAVODILO ZA ISKANJE INFORMACIJ O NOVIH STANDARDIZACIJSKIH DOKUMENTIH

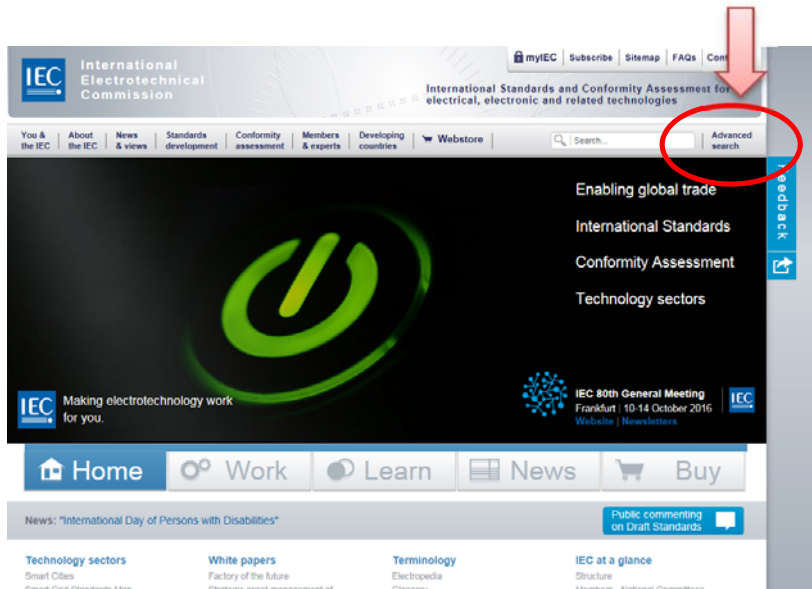
Pripravila: Alojz Hudobivnik, predsednik Strokovnega sveta SIST za področja elektrotehnike, informacijske tehnologije in telekomunikacij, in Olga Naglič, predsednica Strokovnega sveta SIST za splošno področje

**Informacije v tem kratkem navodilu so namenjene strokovni javnosti in vsem zainteresiranim, ki pri svojem delu potrebujejo informacijo o novih področjih dela standardizacije v IEC, ISO, CEN in CENELEC. Te informacije se ne zbirajo v informacijskem sistemu SIST, marveč je treba do njih dostopati neposredno na javnih spletnih straneh IEC, ISO, CENELEC oziroma CEN s pomočjo ustreznih iskalnikov. V nadaljevanju so podani ilustrativni primeri, kako dostopati do teh informacij.**

### 1. IEC ([www.iec.ch](http://www.iec.ch))

Predmet našega zanimanja (in tega navodila) je dostop do VSEH novih predlogov za obravnavo/delo v standardizaciji v izbranem standardizacijskem telesu. Zato je treba poiskati dokumente PNW, ki imajo v iskalniku oznako NP (new proposal), lahko pa si pomagamo tudi z NWP (new work proposal) in PW (program work)). Klasifikacijske kode dokumentov IEC so definirane v dodatku 1.

Korak 1: Dostopamo do spletne strani [www.iec.ch](http://www.iec.ch). Nato kliknemo Advanced search.



Korak 2: Ko se odpre menu Advanced search, izberemo podmenu »Documents/Project /Work Programme“, da dobimo spodnji iskalni dialog:

Korak 3: Osnovno hitro iskanje, ki nam prinese želeni cilj (spisek novih dokumentov (standardov v delu), dosežemo tako, da v kriterijih izberemo:

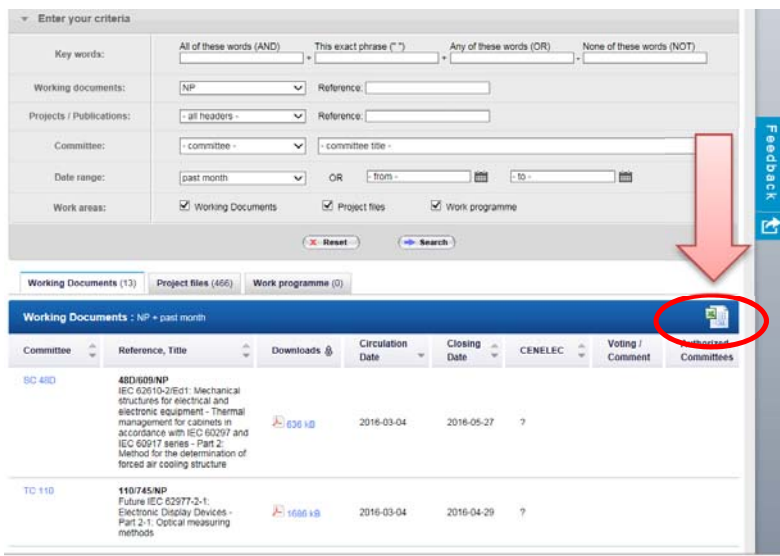
**Working document:** NP

**Date range:** izberemo ustrezno časovno obdobje (ponujeno obdobje teden, mesec, leto) ali konkretne datume od–do. Ne priporočamo predolgega obdobja (več kot leto), saj iskanje traja dlje časa.

Nato izberemo **SEARCH**, da se v skladu s kriteriji izvede iskanje po bazi.

*Opomba: Ko smo že bolj izkušeni ali imamo specifične potrebe (omejitve pri TC ...), lahko uporabljamo vse druge možnosti iskanja.*

Korak 4: V spodnjem delu strani dobimo daljši spisek DELOVNIH DOKUMENTOV, ki so bili odprti v iskanem obdobju. Spisek je priporočljivo izvoziti v datoteko Excel za morebitno lokalno shranjevanje in naknadno lokalno obdelavo. To storimo tako, da kliknemo ikono EXCEL (glej sliko 4). Vsebina datoteke Excel je prikazana na sliki 4.A.



Slika 4.A

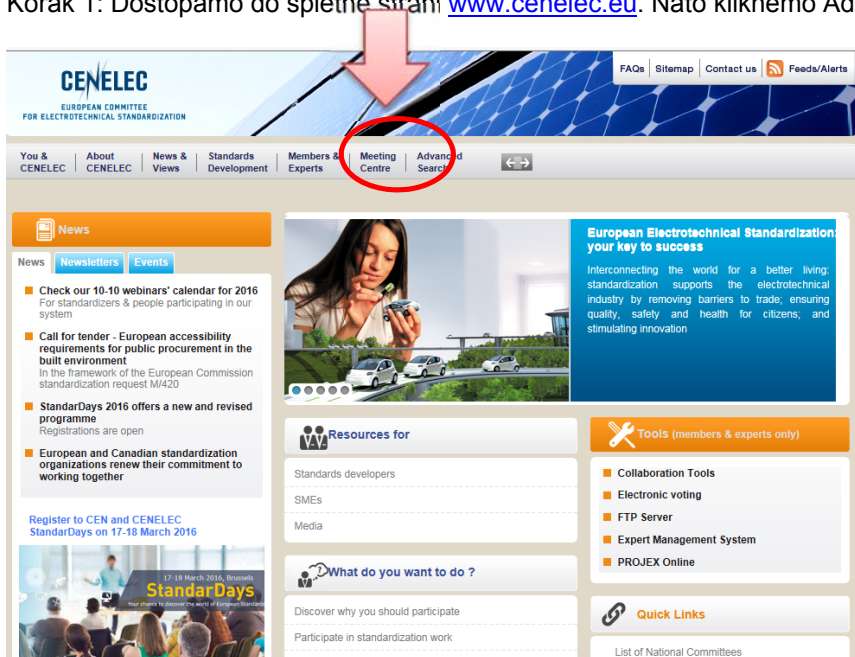
The screenshot shows an Excel spreadsheet with the following data:

Committee	Reference	Title	Circulation date	Closing date	CENELEC parallel vote	Authorized Committees	Downloads
TC 2	3-183NP	Future IEC 60343-1Y Rotating electrical machines - Part XV AC adjustable speed rolling mill main motor	2016-02-12	2016-05-06	?		312a.pdf
TC 3	3-126NP	GUIDANCE HOW TO DESIGN GRAPHICAL SYMBOLS FOR DIAGRAMS FOR STANDARDIZATION AND INCLUSION IN IEC 60617	2016-02-26	2016-05-20	?		325a.pdf
TC 47	47-0284NP	Future IEC 62567-2 Ed 1 Semiconductor devices - Flexible and stretchable semiconductor devices - Part 2 Test method for characterizing the barrier performance of thin film encapsulation for flexible organic semiconductor	2016-02-12	2016-05-06	?		224a.pdf
TC 48/SC 48B	48B-0484NP	IEC 60000E1: Rectangular connector - Detail specification for an interface for 4 pair balanced, individually shielded, fixed and free connectors with a characteristic impedance of 100 Ohms, covering a frequency range from DC up to 2500 MHz	2016-02-12	2016-05-06	?		243a.pdf
TC 48/SC 48D	48D-609NP	IEC 62610-2/E1: Mechanical structures for electrical and electronic equipment - Thermal management for cabinets in accordance with IEC 60297 and IEC 60917 series - Part 2: Method for the determination of forced air cooling structure	2016-03-04	2016-05-27	?		67a.pdf
TC 65	65-622NP	Industrial process measurement, control and automation - Framework to bridge the requirements for safety and security	2016-02-12	2016-05-06	?		62a.pdf
TC 65	65-626NP	IEC 62847-1:3 Security for industrial automation and control systems - Part 1-3: Cyber security system conformance metrics	2016-02-26	2016-05-20	?		62a.pdf
TC 79	79-541NP	Alarm and electronic security systems - Part 11-6: Electronic access control systems - Open Supervised Device Protocol (OSDP) (revised IEC 60839-11-6)	2016-02-19	2016-05-13	?		64a.pdf

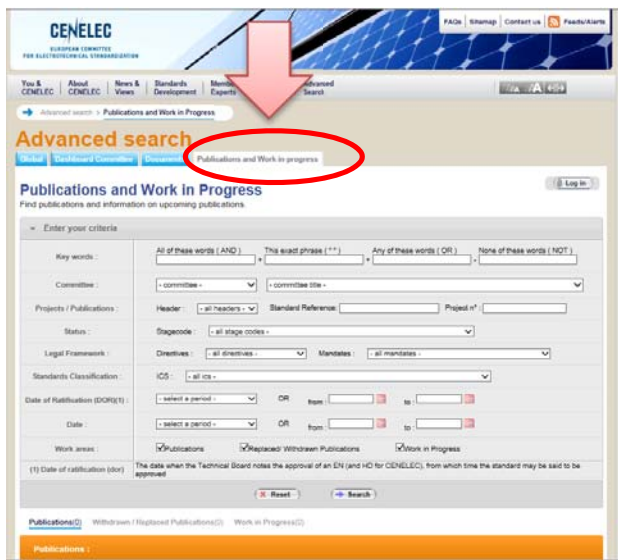
Če razpolagamo z ustreznim geslom za dostop do vsebine teh dokumentov, dostopamo do dokumentov s klikom na ikono dokumenta .pdf (ali na link v preglednici Excel). Če gesla nimamo, je žal to celotna informacija, do katere lahko prosto dostopamo.

## 2. CENELEC ([www.cenelec.eu](http://www.cenelec.eu))

Korak 1: Dostopamo do spletne strani [www.cenelec.eu](http://www.cenelec.eu). Nato kliknemo Advanced search.



Korak 2: Ko se odpre menu Advanced search, izberemo zavihek "Publications and Work in Progress" in prikaže se iskalni menu.



Kot vidimo v gornjem iskalnem vprašalniku, je za dostop do dokumentov CENELEC treba poznati kodo statusa dokumenta ("stage code"), seznam je v dodatku 2. V tem navodilu se osredotočimo na naslednje kode:

<b>00.60.0000</b>	Completion of Proposal/Preliminary stage
<b>10.98.0000</b>	Decision on WI proposal - Reject
<b>10.99.0000</b>	Decision on WI proposal - Accept

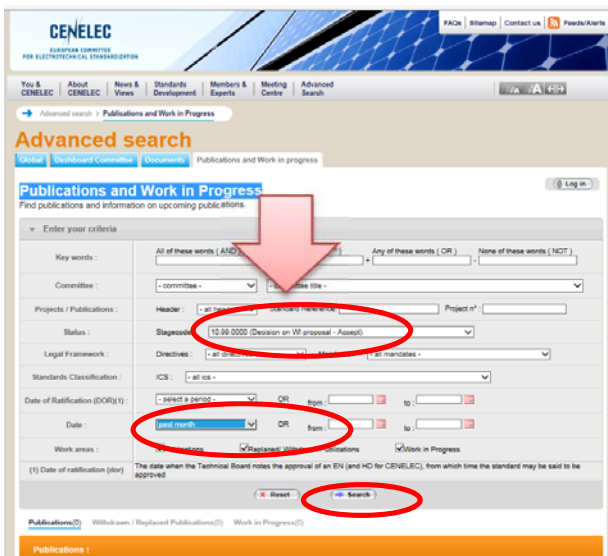
Korak 3: Osnovno hitro iskanje, ki nam prinese želeni cilj (spisek novih dokumentov (standardov v delu) dosežemo tako, da v kriterijih izberemo:

**Stage: 10.99.0000**

**Date:** izberemo ustrezno časovno obdobje (ponujeno obdobje teden, mesec, leto) ali konkretne datume od-do. Ne priporočamo predolgega obdobja (več kot leto), saj iskanje traja več časa.

Nato izberemo **SEARCH**, da se v skladu s kriteriji izvede iskanje po bazi.

*Opomba: Ko smo že bolj izkušeni ali imamo specifične potrebe, lahko uporabljamo vse druge možnosti iskanja.*



Korak 4: V spodnjem delu strani dobimo sedaj daljši spisek dokumentov WORK IN PROGRESS, ki so bili odprti v iskanem obdobju. Spisek je priporočljivo izvoziti v datoteko Excel za morebitno lokalno shranjevanje in naknadno lokalno obdelavo. To storimo tako, da pritisnemo ikono EXCEL (glej sliko 4). Vsebina datoteke Excel je prikazana na sliki 4.B

Committee	Reference Title	Current stage	Stage date	Directive	Downloads
CEN/CLC/TC 6	(prEN 17005:11) prEN 19903-10-24. Space engineering - Interface management	10.99.0000	2018-03-09		
CEN/CLC/TC 6	(prEN 17008:12) prEN 19903-05-15. Space engineering - CANbus extension protocol	10.99.0000	2018-03-09		
CEN/CLC/JWG 5	(prEN 17020:001) Accessibility following a Design for All approach in products, goods and services - Extending the range of users	10.99.0000	2018-02-11		
CLO/TC 10XK	(prEN 30027-2:2) (prEN 300247) Procedure for the assessment of the exposure to electromagnetic fields of workers bearing active implants/active medical devices - Part 2-2. Specific assessment for workers with implantable cardioverter defibrillators	10.99.0000	2018-02-23	2013/05/EU	
CLO/TC 10XKA	Connector sets and interconnect components to be used in optical fibre communication systems - Product specifications - Part 1: Type 4+4, 12, 32x 12 Gb/MPD (20/20) transceiver module with an MPO connector equipped with 12 fibre PPS ferrules	10.99.0000	2018-02-11		
CLO/TC 34Z	EN 60061-2-1993+A11 (prEN 60061-2-1993+A11) Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamp caps	10.99.0000	2018-02-13		
CLO/TC 34Z	Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 2: Lampholders	10.99.0000	2018-02-13		
CLO/TC 34Z	EN 60061-3-1993+A11 (prEN 60061-3-1993+A11) Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 3: Gauges	10.99.0000	2018-02-13		
CLO/TC 34Z	EN 60061-4-1993+A11 (prEN 60061-4-1993+A11) Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 4: Guidelines and general information	10.99.0000	2018-02-13		
CLO/TC 61	(prEN 60523-3:08) (prEN 60523) Household and similar electrical appliances - Safety - Part 2-36 Particular requirements for commercial electric cooking ranges, hobs, hobs and hob elements	10.99.0000	2018-02-13	2009/42/EC, 2014/26/EU	
CLO/TC 61	(prEN 60523-2:37) (prEN 60523) Household and similar electrical appliances - Safety - Part 2-37 Particular requirements for commercial electric domestic ovens and deep fat fryers	10.99.0000	2018-02-13	2009/42/EC, 2014/26/EU	



Slika 4.B

Committee	Reference	Title	Current stage	Stage date	Directive	dor
CLC/TC 13	pEN 62056-6-1	Electricity metering data exchange - The DLMS/COSEM suite - Part 6-1: Object Identification System (OBIS)	10 99 0000	2016-02-13		
CLC/TC 13	pEN 62056-6-2	Electricity metering data exchange - The DLMS/COSEM suite - Part 6-2: COSEM interface classes	10 99 0000	2016-02-13		
CLC/TC 17AC	EN 62271-100:2009/prA2	High-voltage switchgear and controlgear - Part 100: Alternating-current circuit-breakers	10 99 0000	2016-02-20		
CLC/TC 17AC	EN 62271-101:2013/prA1	High-voltage switchgear and controlgear - Part 101: Synthetic testing	10 99 0000	2016-02-20		
CLC/TC 34Z	EN 60061-1:1993/prA56	Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamp caps	10 99 0000	2016-02-13		
CLC/TC 34Z	EN 60061-2:1993/prA52	Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 2: Lampholders	10 99 0000	2016-02-13		
CLC/TC 34Z	EN 60061-3:1993/prA53	Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 3: Gauges	10 99 0000	2016-02-13		
CLC/TC 34Z	EN 60061-4:1992/prA15	Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 4: Guidelines and general information	10 99 0000	2016-02-13		
CLC/SR 47	pEN 60749-4	Semiconductor devices - Mechanical and climatic test methods - Part 4: Damp heat, steady state, highly accelerated stress test (HAST)	10 99 0000	2016-02-13		
CLC/SR 48B	pEN 61076-2-113	Connectors for electronic equipment - Product requirements - Part 2-113: Circular connector - Detail specification for connectors with data	10 99 0000	2016-02-13		
CLC/SR 51	pEN 61660	Fixed inductors for use in electronic and telecommunication equipment - Marking codes	10 99 0000	2016-02-20		
CLC/SR 51	pEN 62211	Inductive components - Reliability management	10 99 0000	2016-02-20		
CLC/TC 57	EN 61970-453:2014/prA1	Energy management system application program interface (EMS-API) - Part 453: Diagram layout profile	10 99 0000	2016-02-13		
CLC/TC 61	pEN 62863	Method of measuring performances of electric hair clippers or trimmers for household use	10 99 0000	2016-02-13		
CLC/TC 61	pEN 60335-2-36	Household and similar electrical appliances - Safety - Part 2-36: Particular requirements for commercial electric cooking ranges, ovens, h	10 99 0000	2016-02-13	2006/42/EC, 2014/35	
CLC/TC 61	EN 60335-2-37	Household and similar electrical appliances - Safety - Part 2-37: Particular requirements for commercial electric doughnut fryers and deep	10 99 0000	2016-02-13	2006/42/EC, 2014/35	
CLC/TC 61	EN 60335-2-38:2003/prA2	Household and similar electrical appliances - Safety - Part 2-38: Particular requirements for commercial electric griddles and giddle grills	10 99 0000	2016-02-13	2014/35/EU	
CLC/TC 61	EN 60335-2-42:2003/prA2	Household and similar electrical appliances - Safety - Part 2-42: Particular requirements for commercial electric foccud convection ovens,	10 99 0000	2016-02-13	2006/42/EC, 2014/35	
CLC/TC 61	EN 60335-2-47:2003/prA2	Household and similar electrical appliances - Safety - Part 2-47: Particular requirements for commercial electric boiling pans	10 99 0000	2016-02-13	2006/42/EC, 2014/35	
CLC/TC 61	EN 60335-2-48:2003/prA2	Household and similar electrical appliances - Safety - Part 2-48: Particular requirements for commercial electric grillers and toasters	10 99 0000	2016-02-13	2006/42/EC, 2014/35	
CLC/TC 61	EN 60335-2-49:2003/prA2	Household and similar electrical appliances - Safety - Part 2-49: Particular requirements for commercial electric appliances for keeping for	10 99 0000	2016-02-13	2006/42/EC, 2014/35	
CLC/TC 61	EN 60335-2-50:2003/prA2	Household and similar electrical appliances - Safety - Part 2-50: Particular requirements for commercial electric buns-mans	10 99 0000	2016-02-13	2014/35/EU	
CLC/TC 61	pEN 60335-2-64	Household and similar electrical appliances - Safety - Part 2-64: Particular requirements for commercial electric kitchen machines	10 99 0000	2016-02-13	2006/42/EC, 2014/35	
CLC/TC 61	pEN 60335-2-99	Household and similar electrical appliances - Safety - Part 2-99: Particular requirements for commercial electric hoods	10 99 0000	2016-02-13	2014/35/EU	
CLC/TC 65X	pEN 62714-3	Engineering data exchange format for use in industrial automation systems engineering - Automation Markup Language - Part 3: Geomet	10 99 0000	2016-02-20		
CLC/TC 81X	pEN 62861-1	Lightning Protection System Components (LPSC) - Part 1: Requirements for connection components	10 99 0000	2016-02-20		
CLC/TC 85A	EN 50793-1:2014/prA4	Optical fibres - Part 1-20: Measurement methods and test procedures - Fibre geometry	10 99 0000	2016-03-09		
CLC/TC 86BXA	pEN 5000X	Connector sets and interconnect components to be used in optical fibre communication systems - Product specifications - Part xx-1: typ	10 99 0000	2016-02-11		
CLC/TC 86BXA	pEN 61300-2.4	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2.4: Tests - Fibre/cable ret	10 99 0000	2016-02-20		
CLC/TC 106X	pEN 50527-2.2	Procedure for the assessment of the exposure to electromagnetic fields of workers bearing active implantable medical devices - Part 2.2	10 99 0000	2016-02-23	2013/35/EU	
CLC/TC 111X	pEN 62321-8	Determination of certain substances in electrotechnical products - Part 8: Phthalates in polymers by Gas Chromatography-Mass Spectro	10 99 0000	2016-02-13		
CLC/TC 116	pEN 62841-2-1	Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-1: Particular requirem	10 99 0000	2016-02-20		
CEN/CLC/JWG 5		Accessibility following a Design for All approach in products, goods and services - Extending the range of users	10 99 0000	2016-02-11		
CEN/CLC/TC 5	pEN 16603-10-24	Space engineering - Interface management	10 99 0000	2016-03-09		
CEN/CLC/TC 5	pEN 16603-50-15	Space engineering - CANbus extension protocol	10 99 0000	2016-03-09		

S klikom na dokument v tem spisku lahko pridemo do meta podatkov v zvezi s tem projektom. Do same vsebine teh dokumentov dostopamo preko CENELEC Collaboration tool, če razpolagamo z ustreznim geslom za dostop. Če gesla nimamo, je žal to celotna informacija, do katere lahko prosto dostopamo.

Dodatek 1:

**Uradna klasifikacija dokumentov IEC:**

Code	Meaning	Equivalent harmonized stage code
1CD	1st Committee Draft	30.2
2CD	2nd Committee Draft	32.35
3CD	3rd Committee Draft	32.35
4CD	4th Committee Draft	32.35
5CD	5th Committee Draft	32.35
6CD	6th Committee Draft	32.35
7CD	7th Committee Draft	32.35
8CD	8th Committee Draft	32.35
9CD	9th Committee Draft	32.35
A2CD	Approved for 2nd Committee Draft	30.99
A3CD	Approved for 3rd Committee Draft	35.92

A4CD	Approved for 4th Committee Draft	35.92
A5CD	Approved for 5th Committee Draft	35.92
A6CD	Approved for 6th Committee Draft	35.92
A7CD	Approved for 7th Committee Draft	35.92
A8CD	Approved for 8th Committee Draft	35.92
A9CD	Approved for 9th Committee Draft	35.92
ACDV	Draft approved for Committee Draft with Vote	35.99
ADIS	Approved for FDIS circulation	40.99
ADISSB	FDIS manuscript subcontracted to CO	40.95
AMW	Approved Maintenance Work	20
ANW	Approved New Work	20
APUB	Draft approved for publication	50.99
APUBSB	PUB manuscript subcontracted to CO	50.95
BPUB	Publication being printed	60
BWG	Draft returned to Working Group	30.92
CAN	Draft cancelled	20.98
CCDV	Draft circulated as Committee Draft with Vote	40.2
CDIS	Draft circulated as FDIS	50.2
CDM	Committee Draft to be discussed at Meeting	35.95
CDPAS	Circulated Draft for Publicly Available Spec.	50.2
CDTR	Circulated Draft Technical Report	50.2
CDTS	Circulated Draft Technical Specification	50.2
CDVM	Committee draft with vote for meeting	40.91
DEC	Draft at Editing Check	40.99
DEL	Deleted items	20.98
DELPUB	Deleted Publication	99.6
DREJ	Draft rejected	30.98
MERGED	Merged project	30.97
NADIS	FDIS not approved	40.93
NCD	CCDV not approved	50.92
PNW	Proposed New Work	10

PPUB	Publication issued	60.6
PWI	Preliminary work item	0
RDIS	Text for FDIS received and registered	50
SPE	Special Handling	99.99
SRP	Publication under Systematic Review	95.92

Dodatek 2:

## Uvodna pojasnila za CENELEC

### Proposal to develop an EN

Any interested party can introduce a proposal for new work. Most standardization work is proposed through the CENELEC Members.

### Acceptance of the proposal

Once a project to develop an EN is accepted by the relevant Technical Body, or by the Technical Board, the member countries shall put all national activity within the scope of the project on hold. This means that they do not initiate new projects, nor revise existing standards at national level. This obligation is called 'standstill' and allows efforts to be focused on the development of the EN.

### Drafting

The EN is developed by experts within a Technical Body.

### Language

European Standards are made available in 3 official languages: English, French and German. National Committees can translate standards in their own language.

### Numbering

The shortest unambiguous reference to a European Standard is to use its number. The number of a European Standard consists of the capital letters EN followed by a space and a number in arabic numerals, without any space.

Example: EN 50122-1:2011 (the part number is indicated by a hyphen, the year of availability of the EN is separated from the number by a colon)

The first two numerals indicate the origin of the standard:

- 40000 to 44999 cover domains of common CEN/CENELEC activities in the IT field
- 45000 to 49999 cover domains of common CEN/CENELEC activities outside the IT field
- 50000 to 59999 cover CENELEC activities i.e. standardization work undertaken purely at European level
- 60000 to 69999 refer to the CENELEC implementation of IEC documents with or without changes
- 

### Stage-codes (milestones) used in the CEN-CENELEC database (status 2014)

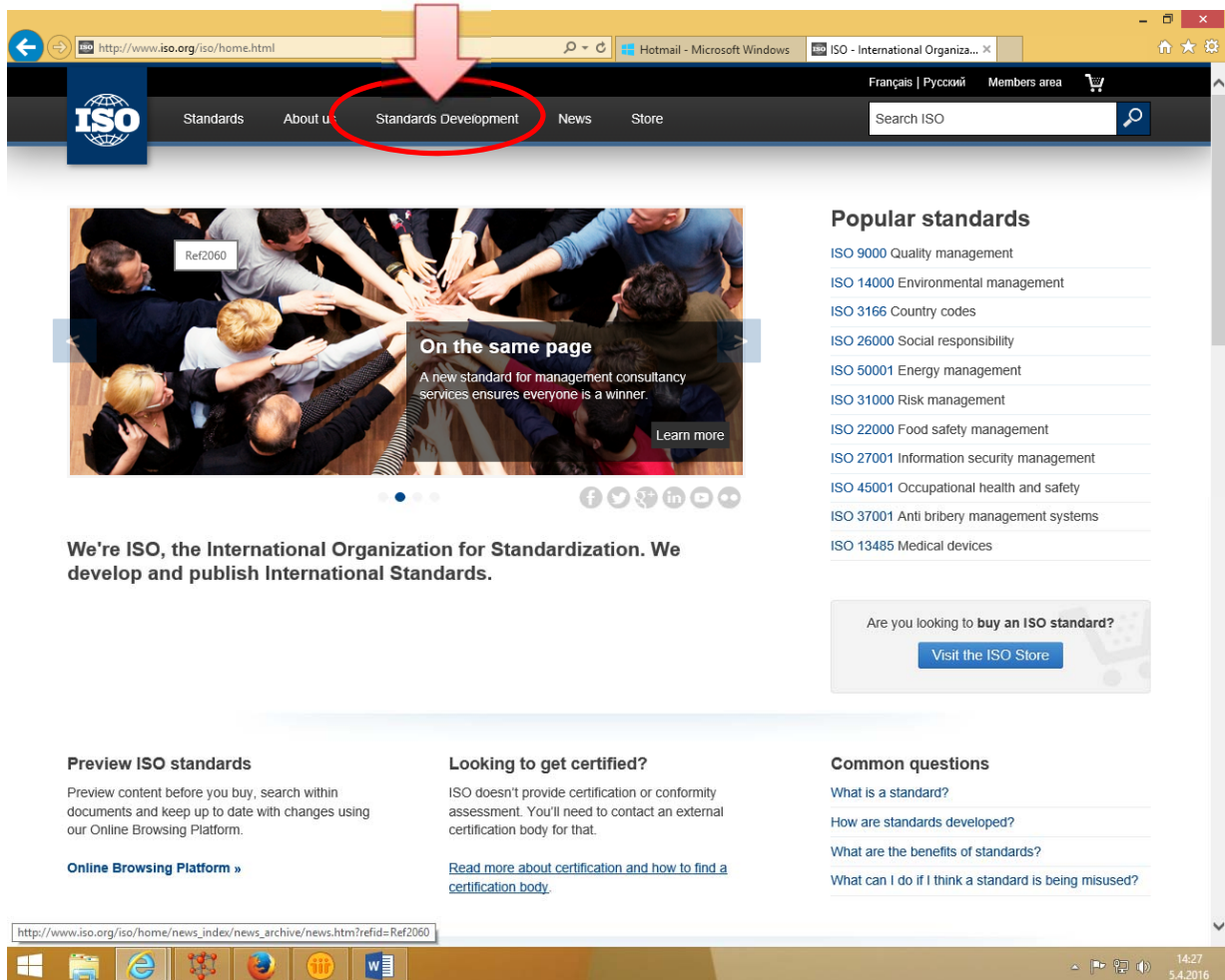
Stage-code	Description
00.60.0000	Completion of Proposal/Preliminary stage
10.98.0000	Decision on WI proposal - Reject
10.99.0000	Decision on WI proposal - Accept
20.60.0979	Circulation of 1st Working Document
30.97.0009	End of interruption of work - split/merged
30.98.0009	End of interruption of work - abandoned



Stage-code	Description
30.99.0979	Dispatch of ENQ draft to CCMC
40.20.0000	Submission to enquiry
40.60.0000	Closure of enquiry
40.97.0009	End of interruption of work - split/merged
40.98.0009	End of interruption of work - abandoned
43.20.0000	Submission to COCOR
43.60.0000	Closure of COCOR
45.97.0009	End of interruption of work - split/merged
45.98.0009	End of interruption of work - abandoned
45.99.0979	Dispatch of FV draft to CCMC
50.20.0000	Submission to Vote
50.60.0000	Closure of Vote
50.97.0009	End of interruption of work - split/merged
50.98.0009	End of interruption of work - abandoned
60.55.0000	Ratification completed (DOR)
60.60.0000	Definitive text made available (DAV)
65.31.0000	Announcement (DOA)
65.51.0000	Completion of mandatory publication (DOP)
65.62.0000	Completion of withdrawal of conflicting national standards (DOW)
90.00.0000	Start of review/2 Year Review Enquiry
90.20.0000	Submission to 2 Year Review Enquiry
90.60.0000	Closure of 2 Year Review Enquiry
90.92.0000	Decision on results of review/2YR ENQ - revise
90.93.0000	Decision on results of review/2YR ENQ - confirm
90.98.0000	Decision on results of review/2YR ENQ - withdraw
96.60.0009	End of re-activation of work
99.60.0000	Withdrawal effective

### 3. ISO ([www.iso.org](http://www.iso.org))

Korak 1: Dostopamo do spletne strani [www.iso.org](http://www.iso.org). Nato kliknemo zgoraj na okno Standards Development.



The screenshot shows the ISO website homepage in a browser window. The address bar displays <http://www.iso.org/iso/home.html>. The navigation menu at the top includes 'Standards', 'About us', 'Standards Development', 'News', and 'Store'. A red arrow points to the 'Standards Development' link, which is also circled in red. Below the navigation bar, there is a large image of a group of people in a meeting, with a text overlay that reads 'On the same page' and 'A new standard for management consultancy services ensures everyone is a winner.' To the right of the image is a 'Learn more' button. Below the image, the text reads 'We're ISO, the International Organization for Standardization. We develop and publish International Standards.' To the right of this text is a 'Popular standards' list with links to various ISO standards. Below the list is a button that says 'Are you looking to buy an ISO standard? Visit the ISO Store'. At the bottom of the page, there are three columns of text: 'Preview ISO standards', 'Looking to get certified?', and 'Common questions'. The browser's taskbar at the bottom shows the Windows logo, several application icons, and the system clock displaying 14:27 on 5.4.2016.

Ref2060

Standards Development

On the same page  
A new standard for management consultancy services ensures everyone is a winner.  
Learn more

We're ISO, the International Organization for Standardization. We develop and publish International Standards.

Popular standards

- ISO 9000 Quality management
- ISO 14000 Environmental management
- ISO 3166 Country codes
- ISO 26000 Social responsibility
- ISO 50001 Energy management
- ISO 31000 Risk management
- ISO 22000 Food safety management
- ISO 27001 Information security management
- ISO 45001 Occupational health and safety
- ISO 37001 Anti bribery management systems
- ISO 13485 Medical devices

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Preview content before you buy, search within documents and keep up to date with changes using our Online Browsing Platform.  
Online Browsing Platform »

Looking to get certified?  
ISO doesn't provide certification or conformity assessment. You'll need to contact an external certification body for that.  
[Read more about certification and how to find a certification body.](#)

Common questions

- What is a standard?
- How are standards developed?
- What are the benefits of standards?
- What can I do if I think a standard is being misused?

[http://www.iso.org/iso/home/news\\_index/news\\_archive/news.htm?refid=Ref2060](http://www.iso.org/iso/home/news_index/news_archive/news.htm?refid=Ref2060)

14:27  
5.4.2016

Korak 2: Ko se odpre Standards Development, izberemo spodaj v zadnji vrstici besedila modro obarvano »technical committees«:

The screenshot shows the ISO website's 'Standards Development' section. A red circle highlights the 'Technical committees' link in the navigation bar, with a red arrow pointing to it. The main content area features a diagram of the standard development process, a section on key principles, and two callout boxes. The Windows taskbar at the bottom shows the date as 5.4.2016.

Technical committees

## How does ISO develop standards?

An ISO standard is developed by a panel of experts, within a **technical committee**. Once the need for a standard has been established, these experts meet to discuss and negotiate a draft standard. As soon as a draft has been developed it is shared with ISO's members who are asked to comment and vote on it. If a consensus is reached the draft becomes an ISO standard, if not it goes back to the technical committee for further edits. **Click on the diagram below for further details.**

**4** Draft shared with all national members, who are asked to comment

If consensus is reached

**5** Final draft sent to all ISO members

### Key principles in standard development

- 1. ISO standards respond to a need in the market**

ISO does not decide when to develop a new standard, but responds to a request from industry or other stakeholders such as consumer groups. Typically, an industry sector or group communicates the need for a standard to its national member who then contacts ISO. Contact details for national members can be found in the [list of members](#).
- 2. ISO standards are based on global expert opinion**

ISO standards are developed by groups of experts from all over the world, that are part of larger groups called technical committees. These experts negotiate all aspects of the standard, including its scope, key definitions and content. Details can be found in the list of [technical committees](#).

#### Are you involved in ISO's technical work?

Tools and publications to help guide the development of standards can be found in the [Resource area](#).

*Every working day of the year, an average of eight technical meetings take place somewhere in the world. Increasingly, these are being held using electronic means, speeding up the development of standards and cutting travel costs.*

#### Do you want to get involved in standard development?

One of the strengths of ISO standards is that they are created by the people that need them. Getting involved in this process can bring significant advantages to your business.

For example, it can help **give you early access** to information that could shape the market in the future, give your company **a voice** in the development of standards and help to keep

### Korak 3: Prikaže se seznam vseh ISO/TC:

The screenshot shows the ISO website's 'List of ISO technical committees' page. The browser address bar shows the URL: [http://www.iso.org/iso/home/standards\\_development/list\\_of\\_iso\\_technical\\_committees.htm](http://www.iso.org/iso/home/standards_development/list_of_iso_technical_committees.htm). The page features a navigation menu with 'Standards Development' selected. Below the menu, there is a search bar and a list of links for 'Other bodies developing standards or guides', 'Meeting calendar', 'Business plans', 'Maintenance agencies and registration authorities', and 'Organizations in cooperation with ISO'.

## Technical committees

The list of ISO technical committees provides basic information for each technical committee (TC). The TCs are listed in numerical order, following the order in which they were established. For example, TC 1 focusing on screw threads was created in 1947 and TC 269 on railway applications was created in 2012.

From this list you can access basic information, including the contact details of the secretary and the subcommittees and working groups, by clicking on the name of the committee in the left hand column. Links to the TC working areas can be found in the third column, ISOTC working area. The number of standards published by each committee is also visible, clicking on this number will lead to the list of standards published. Standards under development can be viewed by clicking on the number in the Work programme column.

**STANDBY** refers to TCs that have no work item in progress or foreseen but that are required to review the ISO International Standards for which they are responsible.

**JTC1** is the Joint ISO/IEC TC that was created in 1987.

**Project Committees** are established when there is a need for an International Standard on a specific topic that does not fall into the scope of an existing TC. Project Committees are disbanded once the standard has been published.

## List of ISO technical committees

Filter by technical sector:  
All

Committee	Title	ISOTC working area	Standards published	Work programme
ISO/IEC JTC 1	Information technology	<a href="#">ISO/IEC JTC 1 home</a>	2939	555
ISO/IEC JPC 2	Joint Project Committee - Energy efficiency and renewable energy sources - Common terminology	<a href="#">ISO/IEC JPC 2 home</a>	2	0
ISO/TC 1	Screw threads	<a href="#">ISO/TC 1 home</a>	23	3
ISO/TC 2	Fasteners	<a href="#">ISO/TC 2 home</a>	192	37

The screenshot also shows the Windows taskbar at the bottom with the time 14:33 and date 5.4.2016.

Korak 4: Kliknemo na primer na ISO/TC 2 in dobimo:

The screenshot shows the ISO website interface. The browser address bar displays the URL: [http://www.iso.org/iso/home/standards\\_development/list\\_of\\_iso\\_technical\\_committees/isc](http://www.iso.org/iso/home/standards_development/list_of_iso_technical_committees/isc). The page title is "ISO/TC 2 Fasteners".

**ISO/TC 2 Fasteners**

Navigation tabs: About | Contact details | Structure | Liaisons | Meetings | Tools

Secretariat: DIN  
Secretary: Mr Torsten Diether  
Chairperson: Mr Stefan Beyer until end 2017  
ISO Technical Programme Manager: Mr Charles-Pierre Bazin de Caix  
ISO Editorial Programme Manager: Ms Nicola Perou  
Creation date: 1947

**Scope:**  
Standardization of dimensions, tolerances, mechanical and functional properties, test methods and acceptance procedures of fasteners.

The term fastener covers all types of products designed to mechanically connect two or more structural parts to form a solid or movable joint or to contribute essentially to establish this function, such as screws, nuts, washers, pins, rivets and hose clamps.

Excluded :

- fasteners for aerospace applications, all special screws, keys, and special fasteners for ball and roller bearings.

Total number of published ISO standards related to the TC and its SCs (number includes updates):	192
Number of published ISO standards under the direct responsibility of ISO/TC 2 (number includes updates):	62
Participating countries:	20
Observing countries:	28

**Quick links**

- Work programme** (drafts and new work items of ISO/TC 2)
- Business information
- Working documents on ISOTC and Public information folder

The "Work programme" link is circled in red, and a red arrow points to it from below.

Korak 5: Kliknemo na desni strani »work programme« in dobimo vse projekte, ki so v programu dela tega ISO/TC:

**Standards catalogue**

Browse by ICS | Browse by TC | [Subscribe to updates](#)

### ISO/TC 2 - Fasteners

Items to be displayed:

Published standards  Standards under development  Withdrawn standards  Projects deleted (last 12 months)

#### Subcommittees

Subcommittee	Subcommittee Title
ISO/TC 2/SC 7	Reference standards
ISO/TC 2/SC 11	Fasteners with metric external thread
ISO/TC 2/SC 12	Fasteners with metric internal thread
ISO/TC 2/SC 13	Fasteners with non-metric thread
ISO/TC 2/SC 14	Surface coatings

#### Standards and projects under the direct responsibility of ISO/TC 2 Secretariat

Standard and/or project	Stage	ICS
ISO/CD 898-3 Mechanical properties of fasteners made of carbon steel and alloy steel -- Part 3: Washers	30.60	21.060.20
ISO/NP 3506-1 Mechanical properties of corrosion-resistant stainless steel fasteners -- Part 1: Bolts, screws and studs	10.99	21.060.10
ISO/NP 3506-2 Mechanical properties of corrosion-resistant stainless steel fasteners -- Part 2: Nuts	10.99	21.060.20
ISO/WD 3506-5 Mechanical properties of corrosion-resistant stainless-steel fasteners -- Part 5: Special fasteners for heat resistance and high temperature applications	20.20	
ISO/FDIS 4759-3 Tolerances for fasteners -- Part 3: Washers for bolts, screws and nuts -- Product grades A, C and F	50.20	21.060.30

#### Uradna klasifikacija ISO dokumentov:

	00 Registrati on	20 Start of main action	60 Completi on of main action	92 Repeat an earlier phase	93 Repeat current phase	98 Abandon	99 Proceed
00 Preliminar y stage	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 abandon ed	00.99 Approval to ballot proposal for new project



	<b>00</b> <b>Registrati</b> <b>on</b>	<b>20</b> <b>Start of</b> <b>main</b> <b>action</b>	<b>60</b> <b>Completi</b> <b>on of</b> <b>main</b> <b>action</b>	<b>92</b> <b>Repeat an</b> <b>earlier</b> <b>phase</b>	<b>93</b> <b>Repeat</b> <b>current</b> <b>phase</b>	<b>98</b> <b>Abandon</b>	<b>99</b> <b>Proceed</b>
<b>10</b> <b>Proposal</b> <b>stage</b>	<b>10.00</b> Proposal for new project registered	<b>10.20</b> New project ballot initiated	<b>10.60</b> Close of voting	<b>10.92</b> Proposal returned to submitter for further definition		<b>10.98</b> New project rejected	<b>10.99</b> New project approved
<b>20</b> <b>Preparato</b> <b>ry stage</b>	<b>20.00</b> New project registered in TC/SC work programme	<b>20.20</b> Working draft (WD) study initiated	<b>20.60</b> Close of comment period			<b>20.98</b> Project deleted	<b>20.99</b> WD approved for registratio n as CD
<b>30</b> <b>Committe</b> <b>e stage</b>	<b>30.00</b> Committee draft (CD) registered	<b>30.20</b> CD study/ballo t initiated	<b>30.60</b> Close of voting/ comment period	<b>30.92</b> CD referred back to Working Group		<b>30.98</b> Project deleted	<b>30.99</b> CD approved for registratio n as DIS
<b>40</b> <b>Enquiry</b> <b>stage</b>	<b>40.00</b> DIS registered	<b>40.20</b> DIS ballot initiated: 3 <i>months</i>	<b>40.60</b> Close of voting	<b>40.92</b> Full report circulated: DIS referred back to TC or SC	<b>40.93</b> Full report circulated: decision for new DIS ballot	<b>40.98</b> Project deleted	<b>40.99</b> Full report circulated: DIS approved for registratio n as FDIS
<b>50</b> <b>Approval</b> <b>stage</b>	<b>50.00</b> FDIS registered for formal approval	<b>50.20</b> Proof sent to secretariat . FDIS ballot initiated: 2 <i>months</i> .	<b>50.60</b> Close of voting. Proof returned by secretariat	<b>50.92</b> FDIS referred back to TC or SC		<b>50.98</b> Project deleted	<b>50.99</b> FDIS approved for publication
<b>60</b> <b>Publicatio</b> <b>n stage</b>	<b>60.00</b> Internation al Standard under publication		<b>60.60</b> Internation al Standard published				
<b>90</b> <b>Review</b> <b>stage</b>		<b>90.20</b> Internation al Standard under periodical review	<b>90.60</b> Close of review	<b>90.92</b> Internation al Standard to be revised	<b>90.93</b> Internation al Standard confirmed		<b>90.99</b> Withdrawa l of Internation al Standard proposed by TC or SC

	<b>00</b> Registrati on	<b>20</b> Start of main action	<b>60</b> Completi on of main action	<b>92</b> Repeat an earlier phase	<b>93</b> Repeat current phase	<b>98</b> Abandon	<b>99</b> Proceed
<b>95</b> Withdraw al stage		<b>95.20</b> Withdrawa l ballot initiated	<b>95.60</b> Close of voting	<b>95.92</b> Decision not to withdraw Internation al Standard			<b>95.99</b> Withdrawa l of Internation al Standard

#### 4. CEN ([www.cen.eu](http://www.cen.eu))

Korak 1: Dostopamo do spletne strani [www.cen.eu](http://www.cen.eu). Nato kliknemo desno zgoraj na Search standards.

The screenshot shows the CEN website homepage. The browser address bar displays <https://www.cen.eu/Pages/default.aspx>. The website header includes the CEN logo and the text "European Committee for Standardization". A navigation menu contains several items: "YOU & CEN", "WHO WE ARE", "MEMBERS", "WHAT WE DO", "WORK AREA", "MEETING FACILITIES", "NEWS", and "SEARCH STANDARDS". The "SEARCH STANDARDS" item is circled in red, and a red arrow points to it from below. Below the navigation menu is a large banner for "Quarterly IT Tools trainings" dated "18 April 2016". The main content area features a "Headlines" section with three news items: "New European Standard for Osteopathy Services", "Launch of the CEN Workshop FATEDA - Standards Compliant Formats for Fatigue Test Data", and "StandarDays 2016 offers a new and revised programme". On the right side, there is a "CEN-CENELEC" section with a brief description of the CEN-CENELEC Management Centre (CCMC) and a "Facebook" section below it. The Windows taskbar at the bottom shows the system tray with the date and time "14:46 5.4.2016".

Korak 2: Ko se odpre Search Standards, izberete ustrezní CEN/TC in okno na primer »Under draft« in pritisnete na »search«.

The screenshot displays the CEN Search Standards web application. The browser address bar shows the URL: <https://standards.cen.eu/dyn/www/f?p=CENWEB:105::RESET:::>. The page header includes the CEN logo and the text "European Committee for Standardization". A navigation menu contains "CEN COMMUNITY", "TECHNICAL BODIES", "STANDARDS EVOLUTION AND FORECAST", and "SEARCH STANDARDS". The main content area is titled "Search Standards" and features a search form with the following fields and options:

- Text :** Title / \$\* (input field) and - select a language - (dropdown menu)
- Committee :** - committee - (dropdown menu) and committee title - (input field)
- Deliverable :** Type : - all deliverables - (dropdown menu) and Standard Reference : (input field)
- Status :**  Under Draft,  Under Approval,  Under Enquiry,  Approved,  Published
- Standards Classification :** (dropdown menu)

Below the search form are "Reset" and "Search" buttons. A "Standards : 0" indicator is shown at the bottom left of the search area. The footer contains "Copyright © CEN 2016. All rights reserved. Terms of use | Privacy | Copyright" and social media icons for Facebook, Twitter, and LinkedIn. The Windows taskbar at the bottom shows the system tray with the time 14:49 and date 5.4.2016.

Korak 3: Kot primer smo izbrali CEN/TC 287 in prejeli vse osnutke njihovih projektov, ki so še v pripravi.

The screenshot shows the CEN website's search interface. The search criteria are set to Committee: CEN/TC 287 and Geographic Information. The status is set to Under Draft. The search results show 9 standards, all of which are in the 'Under Drafting' status.

Committee	Reference, Title	Status	Sales Points
CEN/TC 287	<a href="#">prEN ISO 19107 rev</a> (WI=00287087) Geographic information - Spatial schema	Under Drafting	
CEN/TC 287	<a href="#">prEN ISO 19112 rev</a> (WI=00287094) Geographic information - Spatial referencing by geographic identifiers	Under Drafting	
CEN/TC 287	<a href="#">prEN ISO 19115-2 rev</a> (WI=00287088) Geographic information - Metadata - Part 2: Extensions for imagery and gridded data	Under Drafting	
CEN/TC 287	<a href="#">prEN ISO 19123 rev</a> (WI=00287092) Geographic information - Schema for coverage geometry and functions	Under Drafting	
CEN/TC 287	<a href="#">prEN ISO 19126 rev</a> (WI=00287089) Geographic information -- Feature concept dictionaries and registers	Under Drafting	

### Pojasnila za iskanje projektov CEN:

Under draft – priprava osnutka projekta

Under Approval – projekt v postopku odobritve za javno obravnavo

Under Equiry – projekt v javni obravnavi

Approved – odobren projekt, ki gre v postopek izdaje

Published – izdan projekt