



# Chinese Standardization System

Betty Xu, Director of the SESEC project

[www.sesec.eu](http://www.sesec.eu)

# Content:

1. SESEC project
2. Standardization system in China
3. Identify standards applicable to your products
4. Which standards must be followed
5. Which standards may impact your business
6. International standards in China
7. Get involved in standardization work
8. Useful links



# 1.1 SESEC Five partners

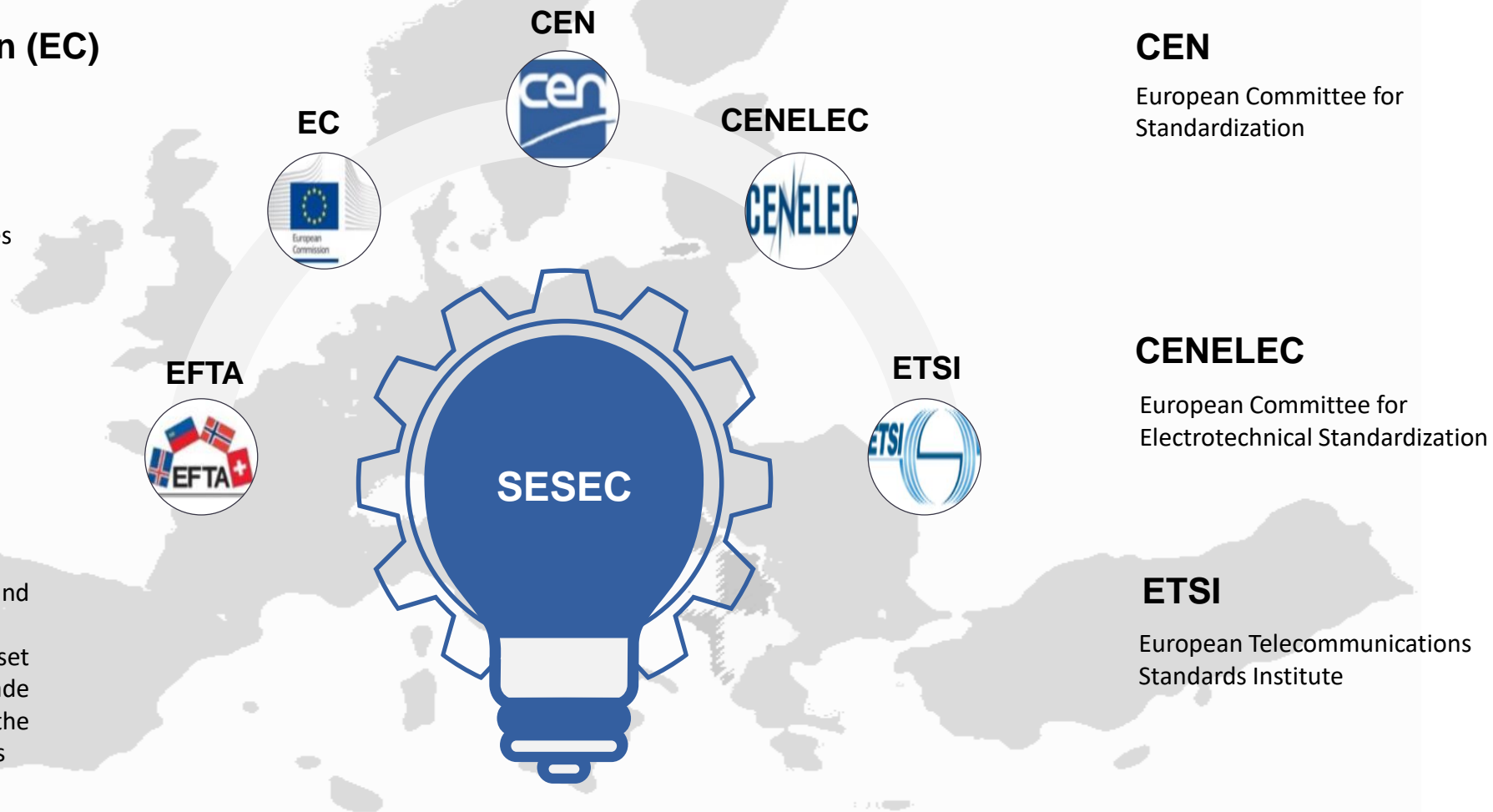
SESEC is a visibility project co-financed by five European partners:

## European Commission (EC)

- ❖ The executive body of the European Union;
- ❖ Responsible for proposing legislation, implementing decisions, upholding the treaties and day-to-day management of the EU
- ❖ DG Grow is the main partner (80%)

## European Free Trade Association (EFTA)

- ❖ Iceland, Liechtenstein, Norway and Switzerland;
- ❖ intergovernmental organisation set up for the promotion of free trade and economic integration to the benefit of its four Member States
- ❖ None EU members;



## CEN

European Committee for Standardization

## CENELEC

European Committee for Electrotechnical Standardization

## ETSI

European Telecommunications Standards Institute

# 1.2 What is SESEC about?

**SESEC IV** promotes **EU-CN dialogue and cooperation** in the area of **standardization**. It has experienced 3 phases, SESEC I (2006-2009) , SESEC II (2009-2012), and SESEC III (2014-2017).

We are currently in SESEC IV (2018-2021)

The project is **managed by CEN**, supported by a Steering Committee involving all partners.

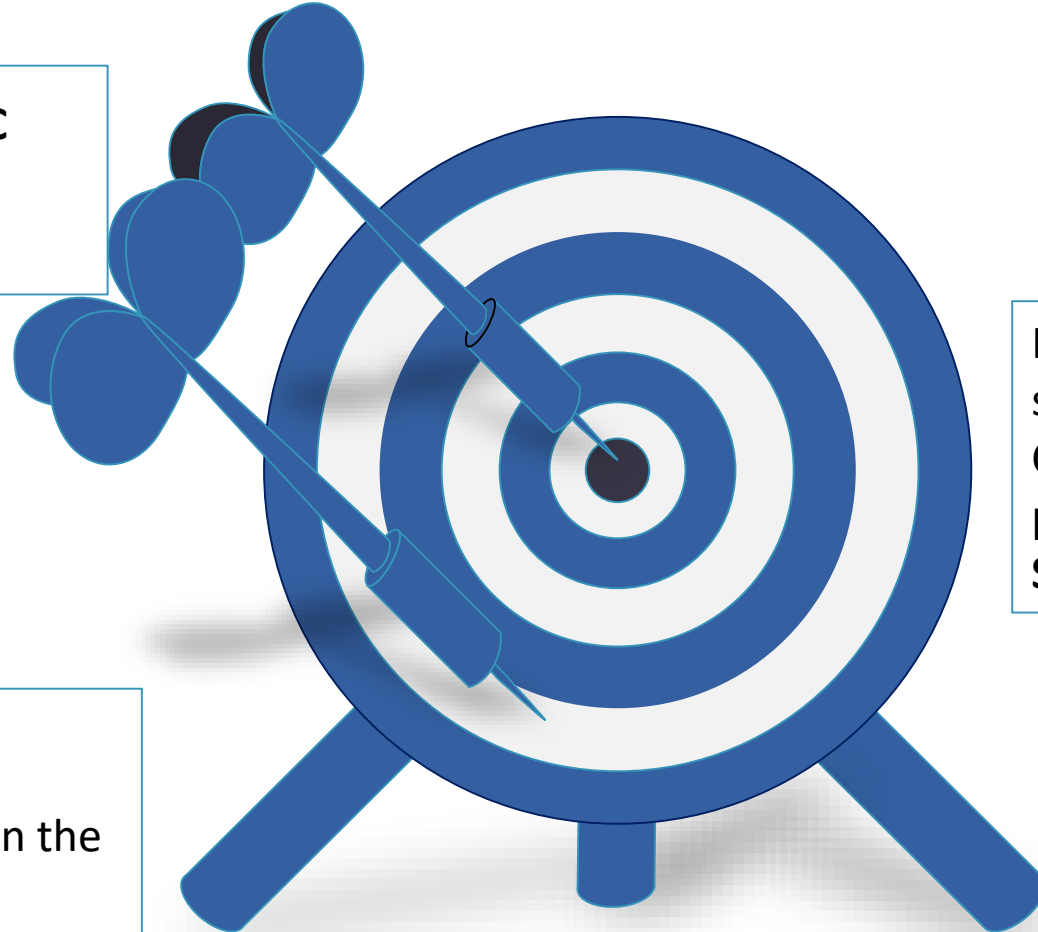


# 1.3 What is the goal?

The SESEC initiative supports **EC policy** and **ESOs strategic objectives** in China.

Our ultimate goal is the enhancement of **EU-China dialogue and cooperation** in the field of standardization.

It is notably expected to support the Framework Cooperation Agreement in place **between the ESOs and SAC**



# 1.4 What we do?

## Promote

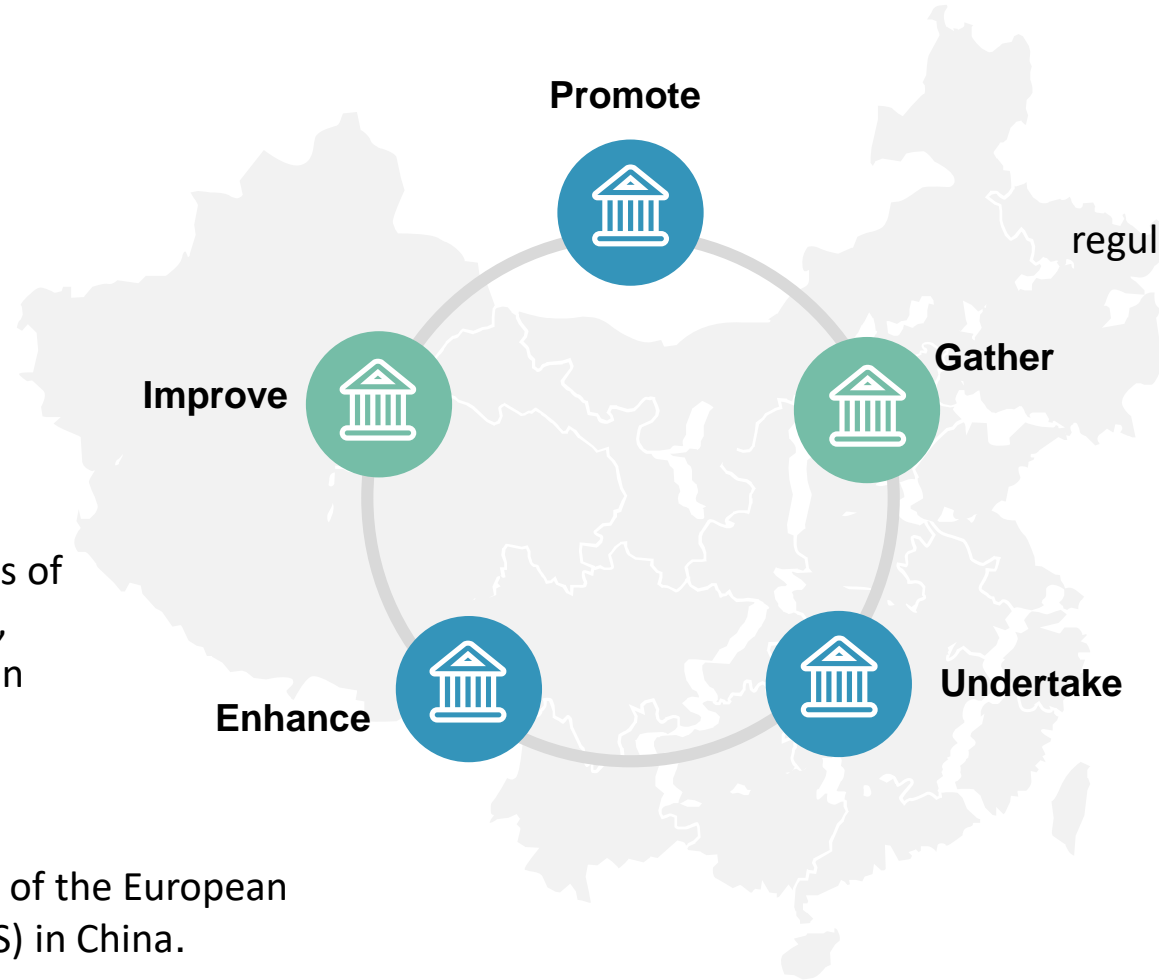
European and International standards in China

## Improve

contacts between Project Partners and different levels of the Chinese administration, industry and standardization bodies

## Enhance

visibility and understanding of the European Standardization System (ESS) in China.



## Gather

regulatory and standardization intelligence

## Undertake

Technical lobbying

# 1.5 SESEC's Priorities

## Current Priority Topics

Technical Priorities	Policy Priorities
IOT	China Standards 2035
Information Security	Belt and Road Initiative
Artificial Intelligence	Standardisation Reform
5G in digitalization of industry	Made in China 2025
Automated Transport	Institutional Changes in Chinese Government
Medical Devices	<u>Market Access like CCC</u>
Green Deal	14 <sup>th</sup> Five-year Plan

# 2. Standardization System in China

## —Legal framework



### LAW

#### The Standardization Law of China

- Provide framework for China's standardization work
- Define basic elements of standardization work



### REGULATIONS

- SAC – standardisation authority

- Administrative measures for mandatory national standards
- Administrative measures for national standards (draft for comments)
- Administrative measures for local standards
- Administrative measures for association standards
- Administrative measures for enterprise standardization

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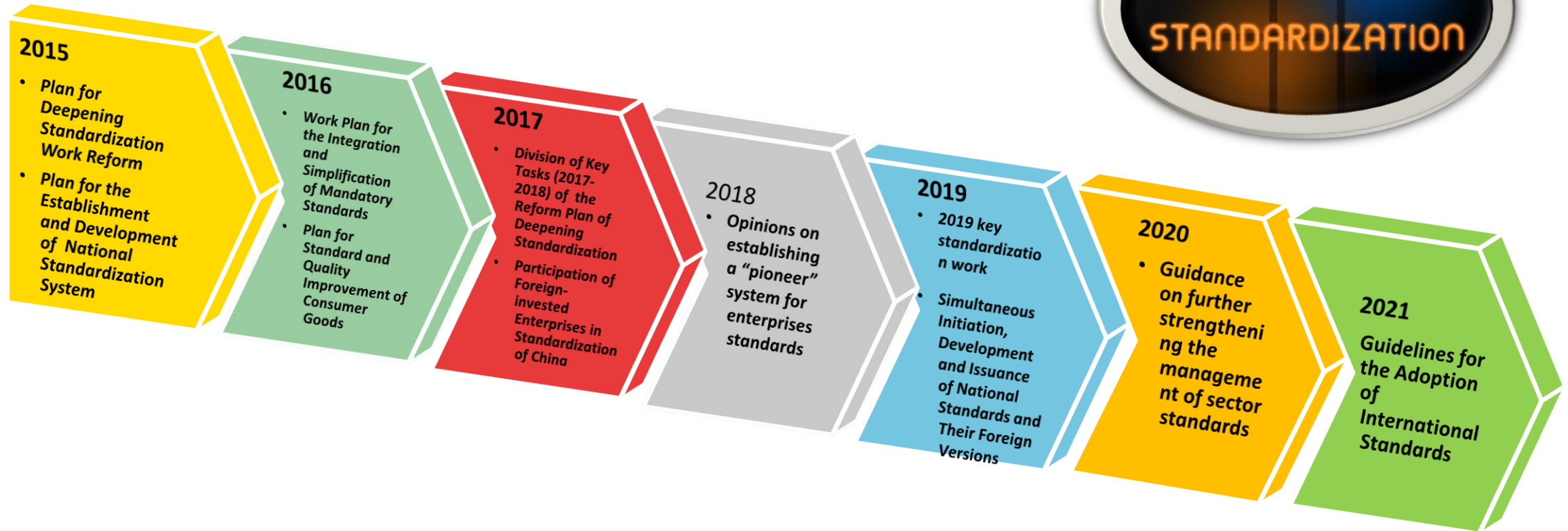


#### Administrative authority in different sectors

- MIIT: Administrative measures for the development of sector standards in industry and information technology
- MoT: Administrative measures for standardization in transport sector
- NEA: Administration measures for sector standards in energy industry
- ...

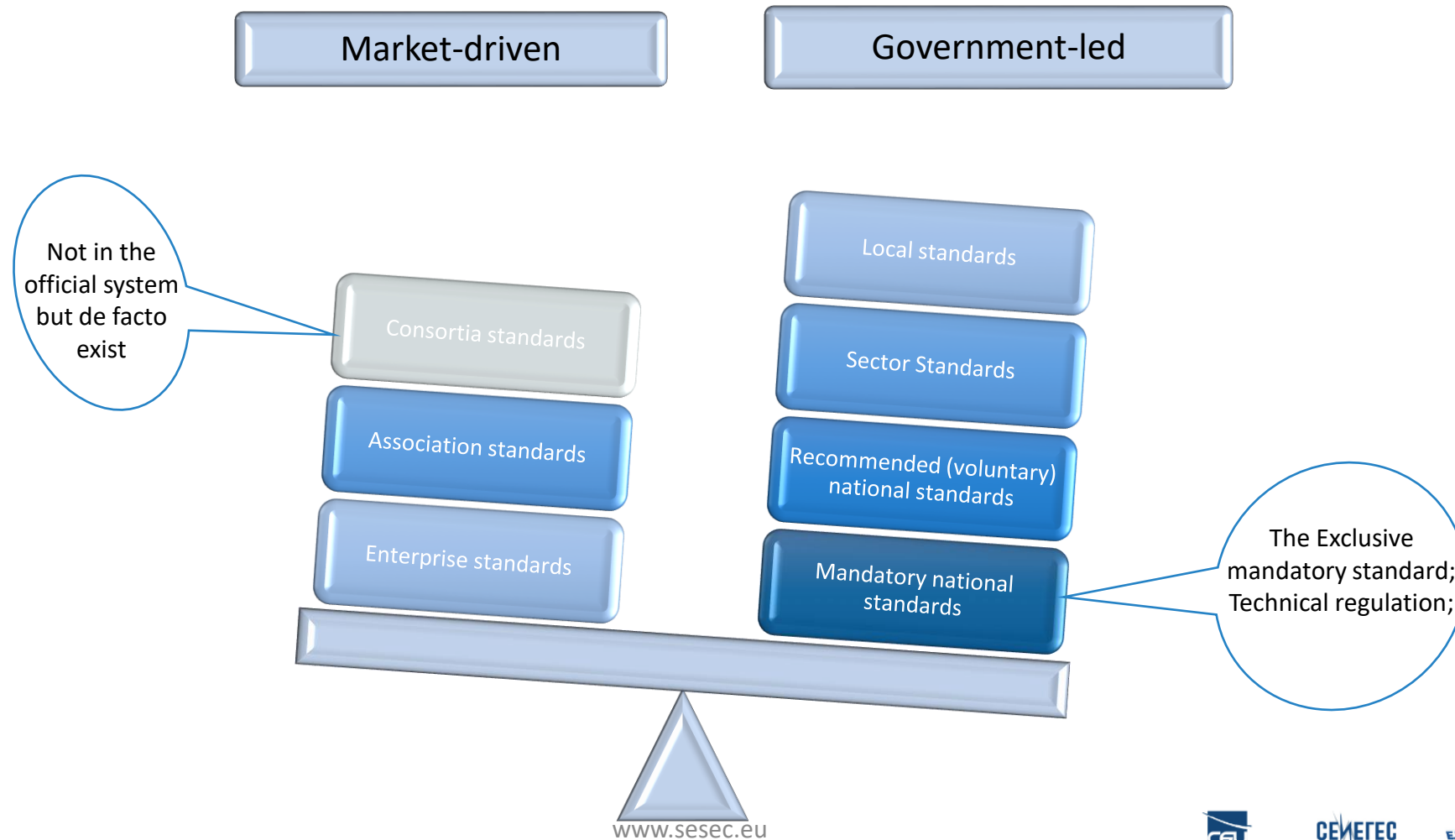
# 2. Standardization System in China

## —Key policies



# 2. Standardization System in China

## — Overview





# 2. Standardization System in China

## — Roles of standards

### Mandatory national standards

- Address technical requirements for ensuring people's health and the safety of their lives and property, safeguarding national and eco-environmental safety and security, and meeting the basic need of economic and social management.

### Recommended (Voluntary) national standards

- Technical requirements that meet the basic commonality principle, support mandatory national standards and provide guidance for related industries

### Sector Standards

- In the absence of voluntary national standards, sector standards may be developed to meet the national unified technical requirements within a sector.

### Local Standards

- Meet special technical requirements such as local natural conditions and local customs.

### Association Standards

- Meet the needs of markets and innovation

### Enterprise Standards

- For their own needs

## 2. Standardization System in China

—Other standards that could be mandatory

Standards in most sectors subject to the framework, however, In the following sectors, mandatory sector standards, mandatory local standards may still (transitionally) exist.

- + Environment protection, Engineering construction, Medicine and health
- + Safety in production, Public security, Taxation
- + Military-related sectors associated with national security and secrets, such as Nuclear, Aerospace, etc.



## 2. Standardization System in China

### —Identify Chinese Standards

#### STRUCTURE OF STANDARD CODING AND NUMBER

**National Standards** GB XX XXX-YYYY (GB 23784-2007)

GB/T XXXXX-YYYY (GB/T 10023-2007)

GB/Z XXXXX-YY

**Sector Standards** NN XXXX-YYYY NN/T XXXX-YYYY

67 kinds of Sector Standards! (YY/T, SJ/T, YD/T, .....)

**Local Standards** DBXX / XXX-YYYY DBXX/T XXX-YYYY

**Enterprise Standards** Q/XXX XXXX-YY

**National Certified Reference Material** GSB X-XX-XXX-YYYY

# 2. Standardization System in China

—Identify Chinese Standards type



NO.	Code	Content
1	AQ	Workplace Safety
2	BB	Packging
3	CB	Ship
4	CH	Surveying
5	CJ	Urban construction
6	CY	Press and publication
7	DA	Archives
8	DB	Earthquake
9	DL	Power
10	DZ	Geology mineral
11	EJ	Nuclear industry
12	FZ	Textiles
13	GA	Public security
14	GH	Supply and marketing
15	GM	National passport
16	GY	Radio, film & TV
17	HB	Aviation
18	HG	Chemical industry
19	HJ	Environment protection
20	HS	Customs
21	HY	Ocean
22	JB	Machinery
23	JC	Building materials
24	JG	Construction industry
25	JR	Finance
26	JT	Communication
27	JY	Education
28	LB	Tourism
29	LD	Labor and labor safety
30	LS	Food

# 2. Standardization System in China—Identify Chinese Standards type



NO.	Code	Content
31	LY	Forestry
32	MH	Civil aviation
33	MT	Coal
34	MZ	Civil affairs
35	NB	Energy
36	NY	Agriculture
37	QB	Light industry
38	QC	Automobile
39	QJ	Aerospace
40	QX	Atmosphere
41	RB	Certification and accreditation
42	SB	Domestic Trade
43	SC	Aquatic product
44	SF	Judiciary
45	SH	Petrochemical
46	SJ	Electronics
47	SL	Water Conservancy
48	SN	Entry-exit inspection and quarantine
49	SW	Tax administration
50	SY	Petroleum and gas
51	TB	Railage
52	TD	Land administration
53	TY	Sports
54	WB	Materials Management
55	WH	Culture
56	WJ	Civilian goods
57	WM	Foreign Trade
58	WS	Sanitary
59	WW	Heritage Conservation
60	XB	Rare earth
61	YB	Ferrous metallurgy
62	YC	Tobacco
63	YD	Communication
64	YS	Nonferrous metals
65	YY	Medicine
66	YZ	Post service
67	ZY	Traditional Chinese medicine

# 2. Standardization System in China

## —Main Players



# 2. Standardization System in China

## – Who is doing what

### Government-led standardization



#### TCs/SCs/WGs

- Develop standards

#### SAC

- Manage national standardization work
- Project approval, numbering, WTO/TBT notification of mandatory national standards
- Develop voluntary national standards
- Filing sector standards and local standards
- Develop rules for numbering standards



#### Sector administrative authorities

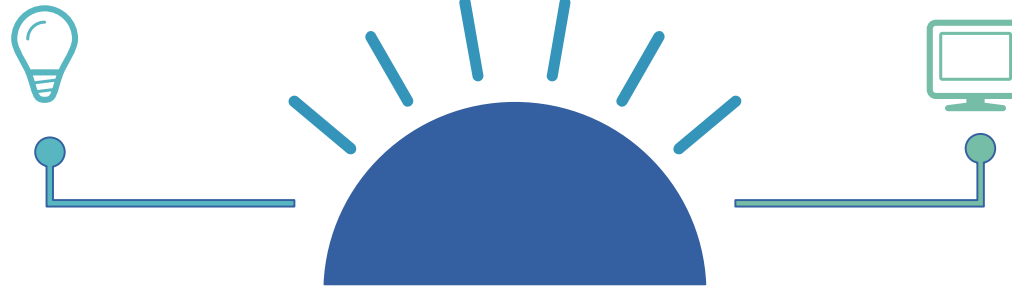
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# 2. Standardization System in China

## – Who is doing what

### SAC and administrative authorities in relevant sectors:

- regulate, guide and supervise the development of association standards and enterprise standards



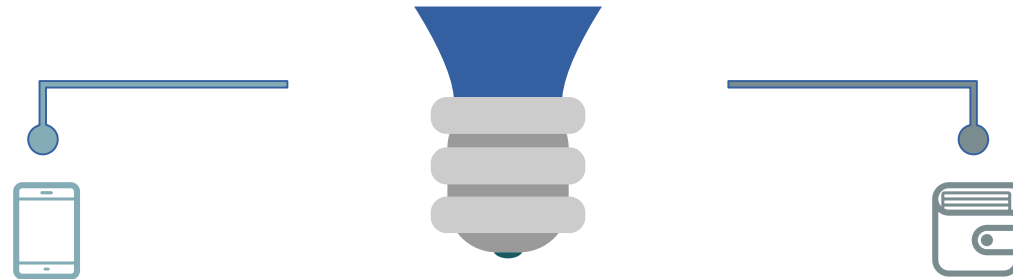
### Ministry of Civil Affairs:

- an association eligible for developing association standards shall register themselves in the authorities for civil affairs

## Market-driven standardization

### Associations:

- register themselves in the authority for civil affairs
- develop association standards
- Make public the information of association standards in the Association Standards Information Platform

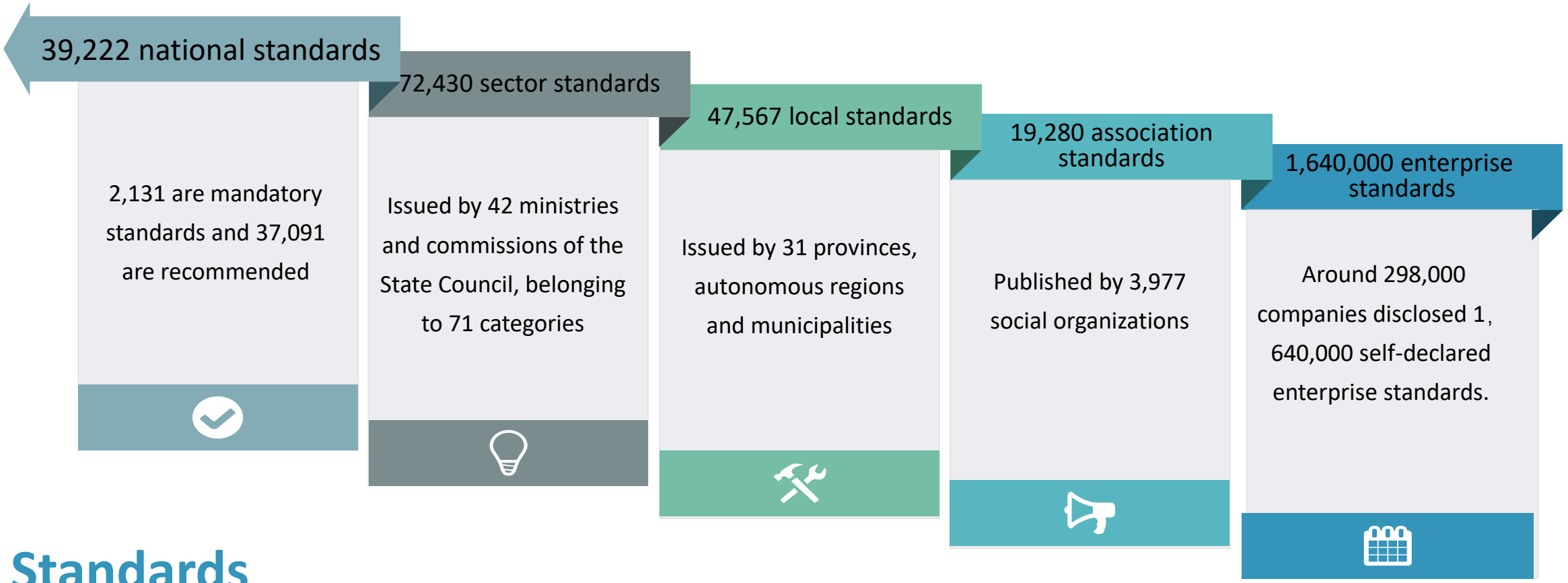


### Enterprises:

- develop enterprise standards
- make self-declaration in the Enterprise Standards Information Platform
- disclose products' function and performance indicators

# 2. Standardization System in China

–Current Data – as of October 2020



## Standards

# 2. Standardization System in China

–Current Data – as of October 2020



## Organisations of standardization work

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**545**  
national professional  
standardisation  
technical committees

All together, these technical organisations have **51,885** members, of which **3,133** are from foreign enterprises, accounting for **6%** of the total.

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**768**  
branches  
(subcommittees)

**13**  
working groups

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In addition, the Chinese government has also established **277** **standardisation research institutions**, covering various industries.

## 2. Standardization System in China – development trend



### Standardization Reform

- Initiated in 2015
- Defined the current standardization system
- Has been completed at large



### China Standards 2035

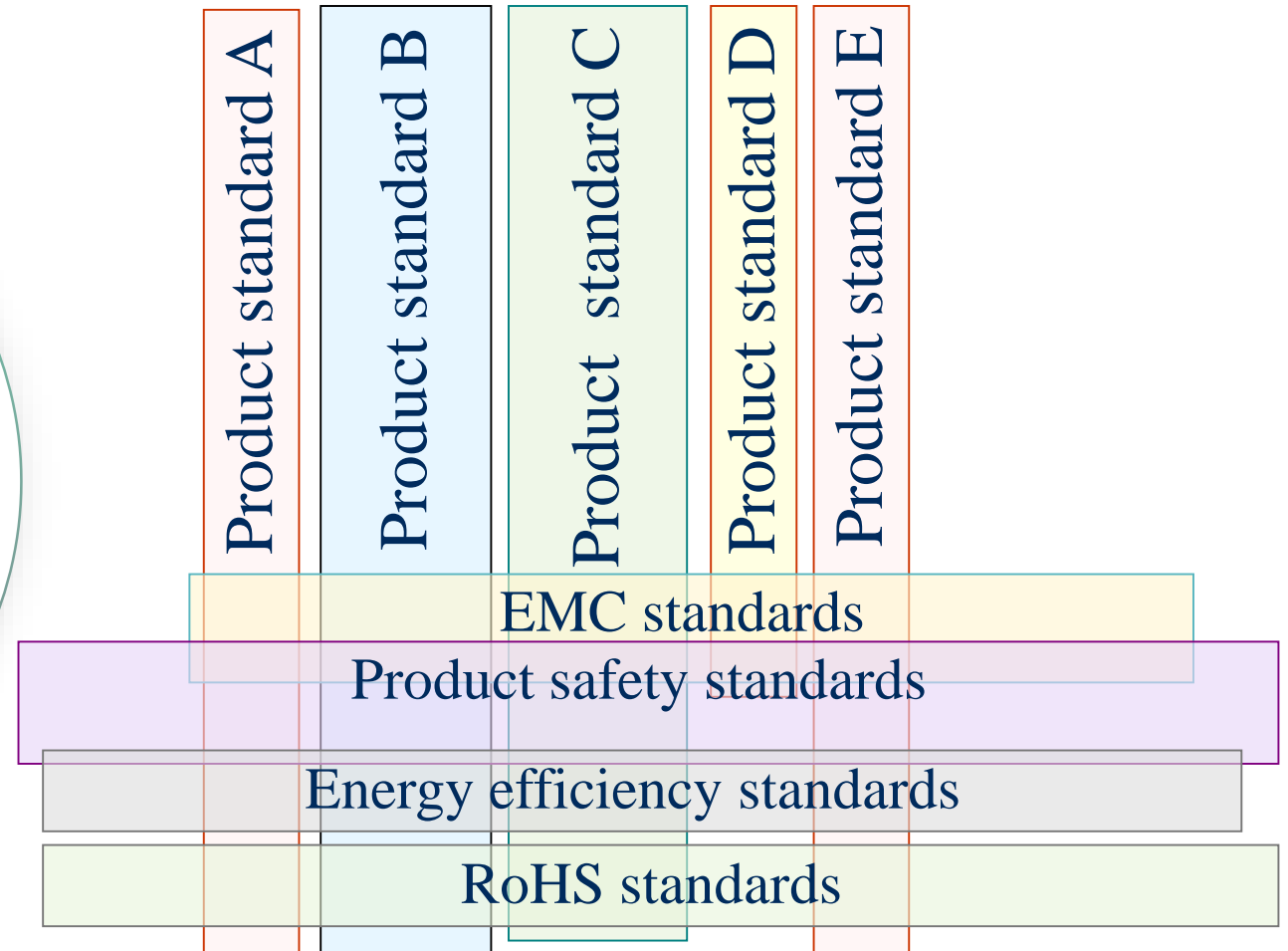
- Initiated in 2018, a national research project
- Explore the direction of development of China's standardization system
- The first phase has been concluded



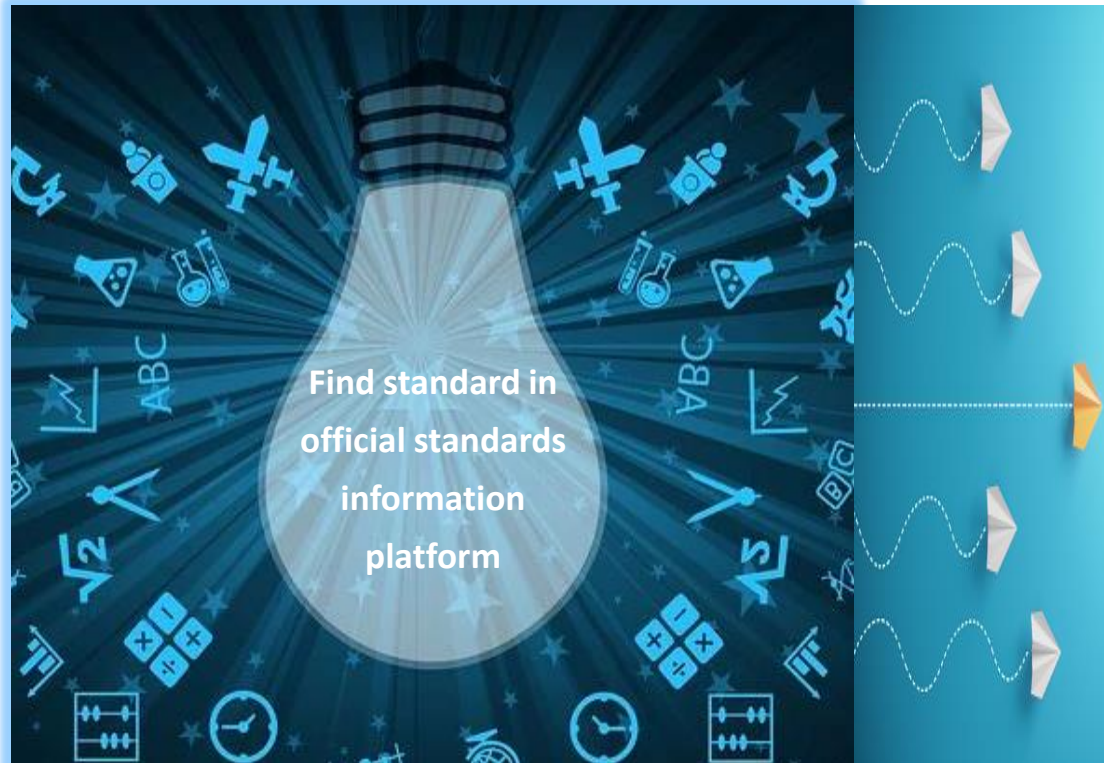
### 3. Identify standards applicable to your products

Generally, a product is subject to not only vertical product standards but also horizontal standards.

Take electrical product as an example:



# 3. Identify standards applicable to your products



**Search keywords + check the scopes of the standards identified;**

**No platform is available to cover all Chinese standards, especially sector standards; The national standards information platform is relatively complete;**

**Refer to the Useful Links attached to this presentation for the platforms;**

**All these platforms are only available in Chinese language.**

# 4. Standards must be followed

Your products may be covered simultaneously by national, sector, local, or association standards.

The standards must be followed if they are:



Mandatory national standards; or



Voluntary standards that are adopted to support regulations applicable to your products; or



Voluntary standards that are adopted by compulsory certification schemes (not necessary to be CCC) applicable to your products.

Apart from the mandatory national standards, the latter two standards are made **de facto** “**mandatory**”; failure to follow them means not be able to enter the Chinese market.

# 5. Standards may impact your business

Other standards may also seriously impact your business when they are:



Default standards in the industry;  
De facto market dominating standards;  
Standards adopted by certification scheme



Voluntary standards recognized by government procurement schemes and those adopted by government-led assessment schemes.

Although these schemes are not mandatory, the feature of “government-led” may result in a **great influence** in the industry and market.

# 6. International Standards in China

Many international standards have been converted into Chinese standards, some of which are identical to their international prototypes.

**By the end of 2019**



- China has adopted around **10,000** ISO/IEC standards and converted them into Chinese standards (including IDT and MOD).

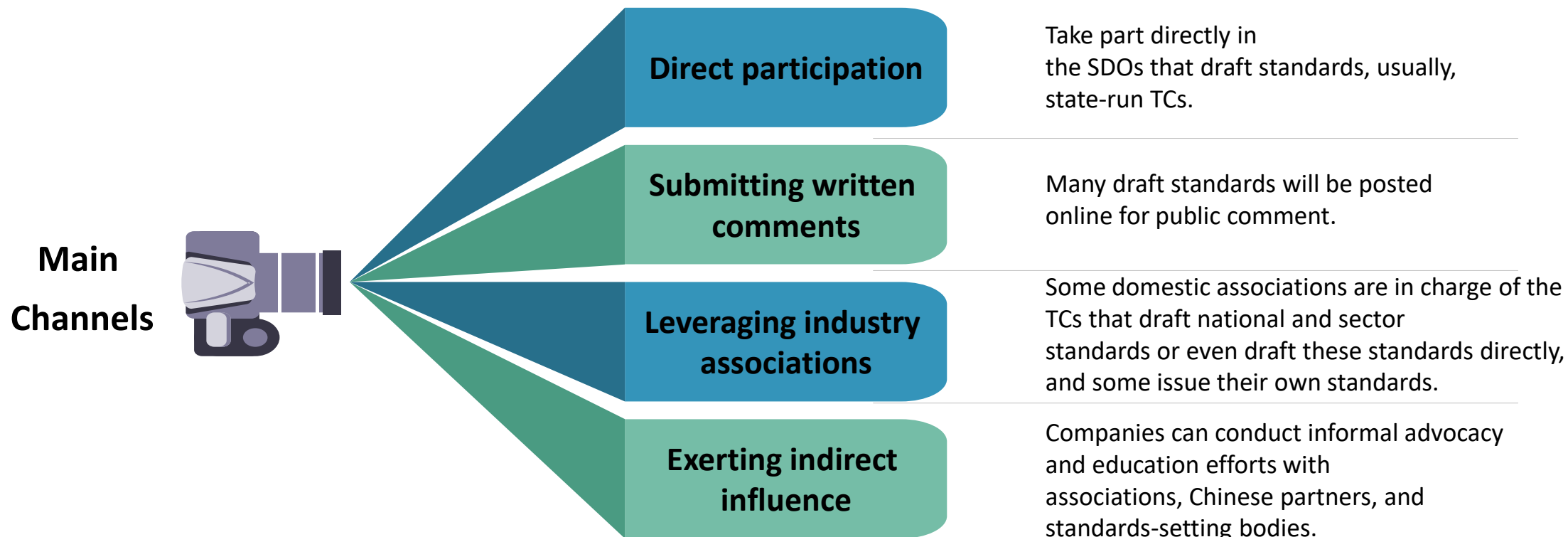


- The adoption rate of international standards in key areas (like IEC) reached **70%**.

Note: China only recognizes standards published by **ISO**, **IEC**, and **ITU** as international standards.

# 7. Get involved in relevant standardization work

## –Participation in standards setting

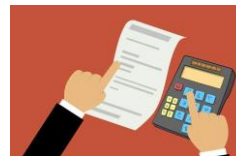


Please note: Only entities who **have registered in China** can participate in standards setting!

# 7. Get involved in relevant standardization work

## – –Apply for membership

### Apply for membership of relevant TCs/SCs/WGs



- Most of them are open to foreign companies
- Chinese is their work language
- Membership fee

# 8. Useful links

SESEC: [www.sesec.eu](http://www.sesec.eu)

EU-China Standards Platform: <https://webgate.ec.europa.eu/cesip/>

National Public Service Platform for Standards Information (Chinese language):

<http://std.samr.gov.cn/>

Sector Standards Information Platform (Chinese language)

- MIIT: <https://www.miitstd.cn/index.aspx>

- Ministry of Transport: <http://jtst.mot.gov.cn/arch/prof>

- Ministry of Housing and Rural-Urban Development: <http://123.57.49.105:81/bztx/>

- National Medical Products Administration:

[http://app1.nmpa.gov.cn/data\\_nmpa/face3/base.jsp?tableId=21&tableName=TABLE21&title=%D2%BD%C1%C6%C6%F7%D0%B5%B1%EA%D7%BC%C4%BF%C2%BC&bcId=15290443788011102338](http://app1.nmpa.gov.cn/data_nmpa/face3/base.jsp?tableId=21&tableName=TABLE21&title=%D2%BD%C1%C6%C6%F7%D0%B5%B1%EA%D7%BC%C4%BF%C2%BC&bcId=15290443788011102338)

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# Thanks

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