

**WE WILL START AT 10:00 AM (CET)**

**SESEC V Webinar**

# **Updates on China Compulsory Certification**

You are *muted*

Use the *Q&A or Chat Panel* to submit your questions

Keep your questions *short and concise*

Contact us: [assistant@sesecc.eu](mailto:assistant@sesecc.eu)

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*Seconded European Standardization Expert in China (SESEC) Project*

# SESEC INTRODUCTION

Partners and Role



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

## SESEC 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





# PROJECT PRIORITY DISCUSSION

## Current Priority Topics

Horizontal Technical Priorities	Horizontal Political Priorities
Internet of Things	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	Market Access
Green Technology	14 <sup>th</sup> Five-Year Plan



# Updates on China Compulsory Certification (CCC)

**9 July 2024 by SESEC**



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# Overview

- ◎ Compulsory access requirement to the Chinese market, focusing on products that may pose risks to consumers' health, safety and environment.
- ◎ Apply to products falling within the "CCC Catalogue".
- ◎ Certified/self-declared according to govt-designated rules.
- ◎ "CCC certificate/Self-declaration + CCC mark" before being introduced to the Chinese market.

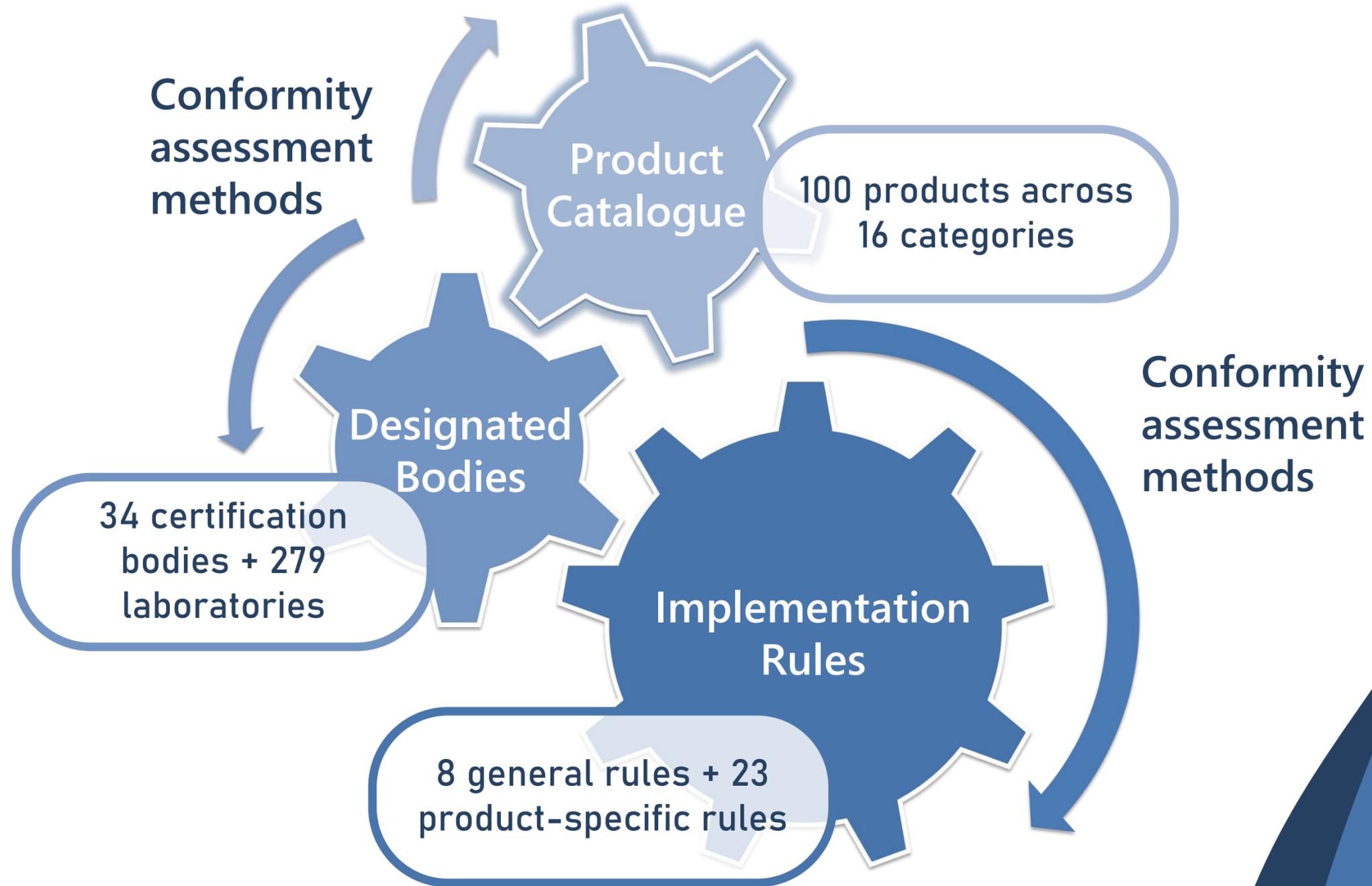
Comply with the standards adopted by CCC

Certified according to designated procedures

Affixing the CCC mark on the product

Imported to/placed on the Chinese market

# Overview



490,000+ CCC  
product certificates  
have been issued to  
52,000+ enterprises  
so far.

# CCC Catalogue

As of June 2024, the CCC Catalogue contains 100 Products across 16 categories.

No.	Category Name (No. of product types)	No.	Category Name (No. of product types)
1	Wire and Cables (3 types)	9	Lighting appliances (2 types)
2	Electrical devices for circuit switching and protection or connection (5 types)	10	Vehicles and safety accessories (13 types)
3	Low-voltage electrical appliances (2 types)	11	Farm machinery products (2 types)
4	Small power motors (1 types)	12	Fire protection products (3 types)
5	Electric tools (3 types)	13	Building materials products (3 types)
6	Electric welding machines (4 types)	14	Children's products (3 types)
7	Equipment for household and similar purposes (20 types)	15	Explosion-proof electrical equipment (18 types)
8	Electronic products and safety accessories (13 types)	16	Household gas appliances (4 types)

# CCC Catalogue

Catalogue of Compulsory Certification Products<sup>2</sup>

Major Category <sup>2</sup>	Product and Code <sup>2</sup>
1. Wires and Cables ( 3 types) <sup>2</sup>	1. Cord sets (0101) <sup>2</sup>
	2. Rubber insulated wire and cable with rated voltage of 450/750 V and below (0104) <sup>2</sup>
	3. PVC insulated wire and cable with Rated voltage of 450/750 V and below (0105) <sup>2</sup>
2. Circuit Switches and Electrical Devices for Protection or Connection (5 types) <sup>2</sup>	4. Plug socket (0201) <sup>2</sup>
	5. Household and Similar Fixed electrical appliances switches (0202) <sup>2</sup>
	6. Appliance coupler (0204) <sup>2</sup>
	7. Household and Similar Fixed electrical appliances attachment out layer (0206、 0207) <sup>2</sup>
3. Low-voltage Electrical Appliances ( 2 types) <sup>2</sup>	**8. Circuit breaker (0205、 0207) <sup>2</sup>
	**9. Low voltage switchgear (0301) <sup>2</sup>
4. Low Power Motor ( 1 type) <sup>2</sup>	**10. Low voltage components (0302、 0303、 0304、 0305、 0306、 0307、 0308、 0309) <sup>2</sup>
	**11. Low power motor (0401) <sup>2</sup>
5. Power Tools ( 3 types) <sup>2</sup>	*12. Drill (0501) <sup>2</sup>
	*13. Electric Grinders (0503) <sup>2</sup>
	*14. Electric Hammer (0506) <sup>2</sup>
6. Electric Welder (4 types) <sup>2</sup>	*15. DC arc Welder (0603) <sup>2</sup>
	*16. TIG arc Welder (0604) <sup>2</sup>

Example

100 Products across 16 categories, including seven newly added products in 2024, namely, passenger helmets for electric bicycles, explosion-proof lamps and control devices, commercial gas burners, flame-retardant wire and cable, electronic toilets, combustible gas detection alarm products, and water-based interior wall coatings.

# Description and Definition Table for CCC Catalog

I. Wires and cables (3 types)				
1. Flame retardant wires and cables, fire-resistant wires and cables, bare wires, power cables, control cables, overhead insulated cables, communication cables, optical cables and winding wire products are not included;				
2. The models and specifications not listed in the certification standards are not included.				
Product category and code	Description on product category	Application scope of product	Description or list on application scope of product	Description
1. Wire assemblies (0101)	Wire assemblies suitable for household and similar general equipment (i.e., assemblies composed of flexible cables or wires with non-rewirable plugs and connectors) and interconnection wire assemblies (i.e., assemblies composed of flexible cables or wires with non-rewirable plugs and connectors).	Wire assemblies	1. Including wire assemblies with connectors of the following specifications: 0.2A 250V connectors for Class II equipment under cold conditions 2.5A 250V connector for Class I equipment under cold conditions 2.5A 250V connectors for Class II equipment under cold conditions 6A 250V connectors for Class II equipment under cold conditions 10A 250V connectors for Class I equipment under cold conditions 10A 250V connectors for Class I equipment under hot conditions 10A 250V connectors for Class I equipment under extremely hot conditions 10A 250V connectors for Class II equipment under cold conditions 16A 250V connectors for Class I equipment under cold conditions 16A 250V connectors for Class I equipment under extremely hot conditions 16A 250V connectors for Class II equipment under	Applicable standards:  GB/T 15934  GB/T 26219

Example

# CCC Implementation Rules

As of June 2024, 31 implementation rules are effective for CCC certification, including 8 general rules and 23 product-specific rules.

## Eight general rules

CNCA-00C-001:2008 Implementation Rules for the Cancellation, Suspension, and Revocation of CCC Certificates

CNCA-00C-002:2009 Supplementary Provisions for ODM Mode in the CCC Implementation Rules

CNCA-00C-003:2013 CCC Implementation Rules: Classification of Production Enterprises, as well as Selection and Determination of Certification Methods

CNCA-00C-004:2013 CCC Implementation Rules: Utilization of Testing Resources of Production Enterprises and Other Certification Results

CNCA-00C-005:2014 CCC Implementation Rules: Requirements For Factories Quality Assurance Capabilities

CNCA-00C-006:2014 CCC Implementation Rules: General Requirements for Factory Inspection

CNCA-00C-007:2014 CCC Implementation Rules: Information Reporting, Transmission, and Disclosure

CNCA-00C-008:2019 CCC Implementation Rules: Self-declaration

# CCC Implementation Rules

As of June 2024, 31 implementation rules are effective for CCC certification, including 8 general rules and 23 product-specific rules, among which 10 are newly added and updated in 2023/2024.

## Product-specific rules that are newly added or updated

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CNCA-C01-01:2024 CCC Implementation Rules for Wire and Cable Products

CNCA-C03-02:2024 CCC Implementation Rules for Low Voltage Apparatus and Components

CNCA-C07-01:2024 CCC Implementation Rules for Household and Similar Use Appliances

CNCA-C09-01:2023 CCC Implementation Rules for Electronic Products and Safety Accessories

CNCA-C11-16:2023 CCC Implementation Rules for Electric Bicycles

CNCA-C11-15:2024 CCC Implementation Rules for Helmets of Motorcycle and Electric Bicycle Occupants

CNCA-C18-01:2024 CCC Implementation Rules for Fire Alarm Products

CNCA-C21-01:2024 CCC Implementation Rules for Decorative and Renovation products

CNCA-C23-01:2024 CCC Implementation Rules for Explosion-proof Electric Apparatus

CNCA-C24-01:2024 CCC Implementation Rules for Gas-burning Appliances

# CCC Standards

No.	Explosion-proof Type	Standards	
		General standards	Special standards
1	flame-proof "d"		GB/T 3836.2
2	Safety-increase "e"		GB/T 3836.3
3	Intrinsic-safe "i"		GB/T 3836.4
4	Pressurized enclosures "p"	GB/T 3836.1	GB/T 3836.5
5	liquid immersion "o"	IEC60079-0:2017	GB/T 3836.6
6	powder filling "q"		GB/T 3836.7
7	"n" type		GB/T 3836.8
8	Encapsulation "m"		GB/T 3836.9
10	dust ignition protection by enclosure 't'		GB/T 3836.31

**Around 300 GB & GBT standards are cited by CCC**

**Example**

The Standards adopted by CCC are specified in CCC implementation rules.

Enterprises must comply with these standards before applying for CCC certification.

Theoretically, CCC should only reference mandatory standards; however, some implementation rules cite a significant number of voluntary standards.

# Certification Bodies

As of June 2024, 34 certification bodies are eligible for conducting CCC certification.

- ◎ CCC Certification Bodies are designated by CNCA
- ◎ All are Chinese organizations
- ◎ Work within designated scope
- ◎ Certify according to self-developed “detailed implementation rules” based on CNCA’s implementation rules.

NO.↕	Certification Bodies Code↕	Name (Abbreviation)↕	Designated Product↕
1↕	01↕	China Quality Certification Centre(CQC)↕	CNCA-C01-01: Wires and Cables↕ CNCA-C02-01: Circuit Switches and Electrical Devices for Protection or Connection↕ CNCA-C03-01: Low voltage switchgear ↕ CNCA-C03-02: Low voltage components↕ CNCA-C04-01: Low Power Motor↕ CNCA-C05-01: Power Tools↕ CNCA-C06-01: Electric Welder↕ CNCA-C07-01: Household and Similar Equipment↕ CNCA-C08-01: Audio and Video Equipment↕ CNCA-C09-01: Information Technology Equipment↕ CNCA-C10-01: Lighting Appliances↕ CNCA-C11-01: Vehicles↕ CNCA-C11-02: Motor Vehicles↕ CNCA-C11-15: Motor Vehicles Passenger Helmet↕ CNCA-C11-16: Electric Bike↕ CNCA-C11-20: Vehicle Brake Lining↕ CNCA-C12-01: Motor Vehicle Tire↕ CNCA-C13-01: Safety Glass↕ CNCA-C16-01: Telecom Terminal Equipment↕ CNCA-C19-01: Fire-fighting Product – Intrusion Detectors(Active Infrared Intrusion Detector, Interior Passive Infrared Detector, Exterior Microwave Doppler Detector, Microwave and Passive Infrared Combined Intrusion Detector)↕ CNCA-C21-01: Decoration Products↕ CNCA-C22-01: Baby Stroller Products↕

Example

# Testing Laboratories

- ❖ CCC testing labs are designated by CNCA
- ❖ As of June 2024, 279 laboratories are eligible for conducting CCC-related tests.

Include 5 FIEs: TÜV Rheinland, DEKRA, SGS, InterTek, UL

Carry out test and inspection within designated scope

Small authorized scope

Lab code	Name of the lab	designated product
20601	Shenzhen Intertek Testing Services Co., Ltd. Guangzhou Branch	CNCA-C07-01: Household and similar use equipment
		CNCA-C10-01: Lighting appliances
20602	Shenzhen Intertek Testing Services Co., Ltd.	CNCA-C22-01: Children's bicycles and similar products
20701	TÜV Rheinland (Guangdong) Co., Ltd.	CNCA-C10-01: Lighting appliances

Example

# Conformity Assessment Methods

## Self-declaration A



Apply to the products with stable quality and low safety risks

Type test in self-selected labs + self-declaration

Now cover 7 products like electric tools

## Self-declaration B



Apply to the products with high safety risks

Type test in designated CCC labs + self-declaration

Now cover 11 products like automotive safety accessories

## Third-Party Certification



Apply to the products with very high safety risk and easy to be contacted by consumers

Type test + factory audit + period inspection after obtaining certificate

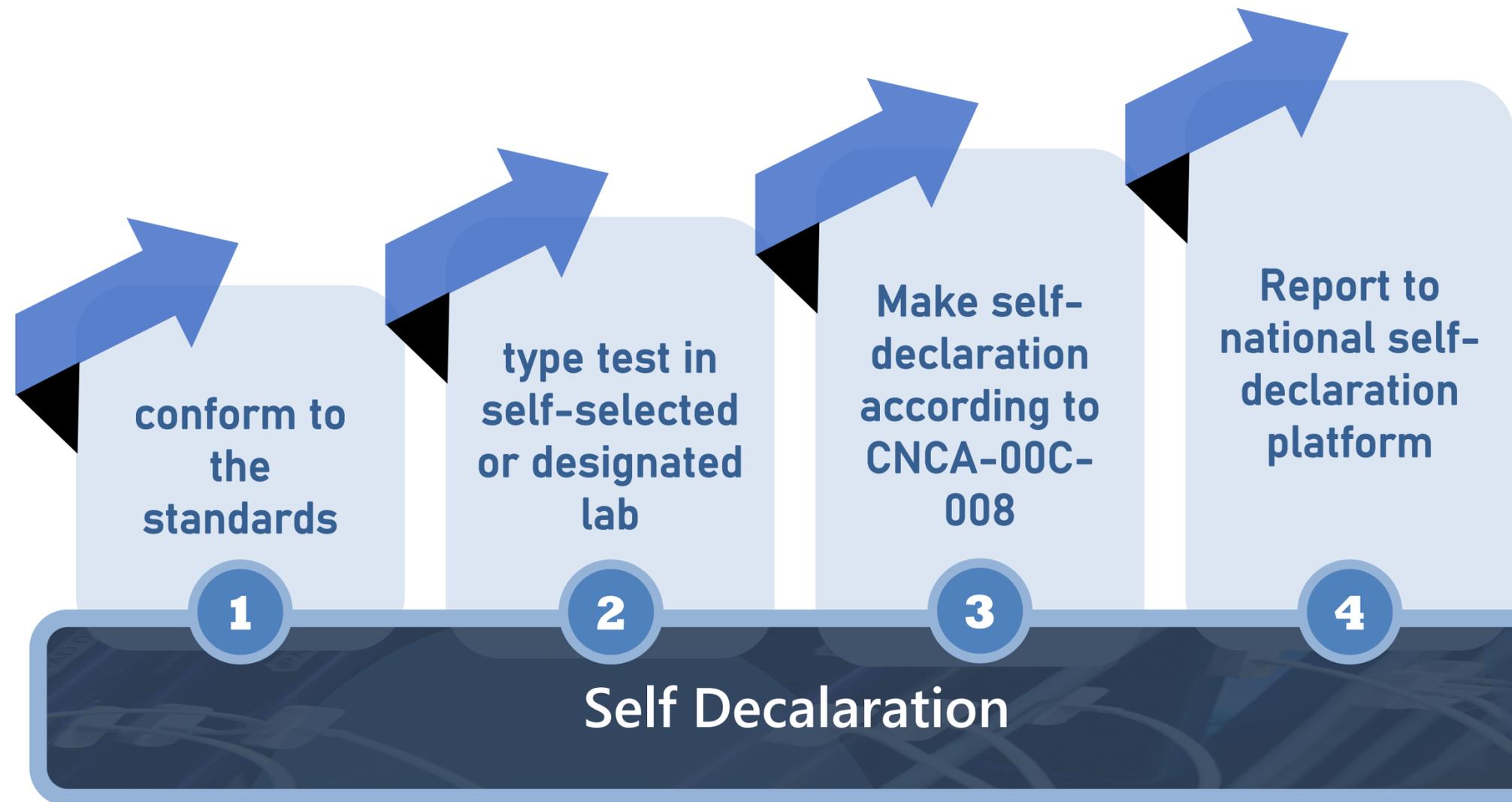
Cover remaining 82 products

Risk Brought By Products

# Process



# Process



# Key Stakeholders Involved

SAMR/CNCA

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Regulator

Designated certification  
bodies and labs

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Implementer

Local Market  
surveillance authorities

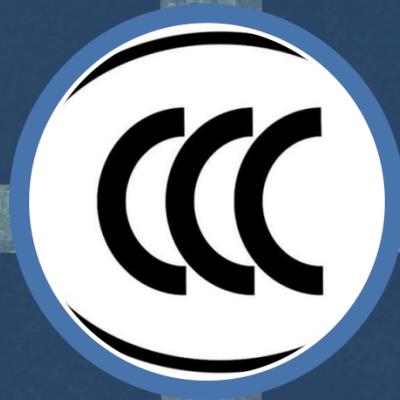
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Supervisor

Enterprises

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Responsible Party





# Exemptions

## Exemption from CCC

- ⊙ Products and samples for scientific research, testing and certification inspection
- ⊙ Parts and components for maintenance purposes;
- ⊙ Equipment parts for the complete factory production line;
- ⊙ Products not for sale but for commercial display;
- ⊙ Parts imported for the purpose of exporting the full equipment;
- ⊙ Other exempted products for special purposes.

# Latest Changes

No.	Product Category	Product Type and Code
1	Electronic Products and Safety Accessories	Single and multi-speaker active speakers with a total output power of less than 500W (effective value) (0801)
2		Audio power amplifiers (0802)
3		Audio and video recording, playback, and processing equipment of various media forms (including various forms of optical discs, tapes, hard drives, etc.) (0805, 0812)
4		Electronic keyboards (0813)
5		Cordless telephone terminals (1604)
6		Data terminals (1608)
7		Multimedia terminals (1609)
8	Security Products	Intrusion detectors (1901)
9		Anti-theft alarm controllers (1902)

**SAMR Announcement No. 34 in 2022:** Removing nine products from the CCC catalogue.

# Latest Changes

**SAMR Announcement No. 10 in 2023:  
Including three products into the CCC  
catalogue.**

- ⦿ lithium-ion batteries and battery packs used in electronic and electrical products,
- ⦿ mobile power banks, and
- ⦿ power adapters/chargers used with telecommunication terminal products.

**For lithium-ion batteries  
and battery packs used in  
electronic and electrical products,**

At this stage, CCC certification will first be conducted for lithium-ion batteries and battery packs used in portable electronic products.

For lithium-ion batteries and battery packs used in other electronic and electrical products, CCC certification will be carried out at an appropriate time once conditions are mature.

# Latest Changes

## SAMR Announcement No. 9 in 2024

### **01** Including seven new products into the CCC catalogue.

- ⊙passenger helmets for electric bicycles,
- ⊙explosion-proof lamps and control devices,
- ⊙commercial gas burners,
- ⊙flame-retardant wire and cable,
- ⊙electronic toilets,
- ⊙combustible gas detection alarm products, and
- ⊙water-based interior wall coatings.

### **02** Canceling self-declaration and reinstate third-party certification for low-voltage component products.

- ⊙Enterprises must convert their self-declarations to CCC certificates by November 1, 2024.
- ⊙After November 1, 2024, all low-voltage components must undergo third-party certification and obtain CCC certificates before they can be marketed in China.

# SESEC Observation

CCC framework keeps stable in recent years.

After years of decline, there has been an increasing trend in the number of products subject to CCC certification over the past two years.

Products may shift from self-declaration to strict third-party certification.

Apart from mandatory standards, voluntary standards should also receive adequate attention if they are cited by CCC.

Certification bodies and labs may change over the years; the role of FIEs remains insignificant.

# Data Source

- ① [CCC Catalogue and Implementation Rules \(as of June, 2024\)](#)
- ① [Designated CCC Certification Bodies](#)
- ① [Designated CCC Labs](#)
- ① [National certification and accreditation information public service platform](#)
- ① [Product Self-Declaration Registration System](#)

Please be aware that all above documents are in Chinese.

# How to do CCC for your products

✓ ■ 2.1 Determine if your product falls into the scope of CCC (Hs Code vs CCC)

☑ 2.2 Determine applicable conformity assessment model and the designated CCC certification bodies and labs

☑ ■ 2.3 Identify applicable implementation rules and standards

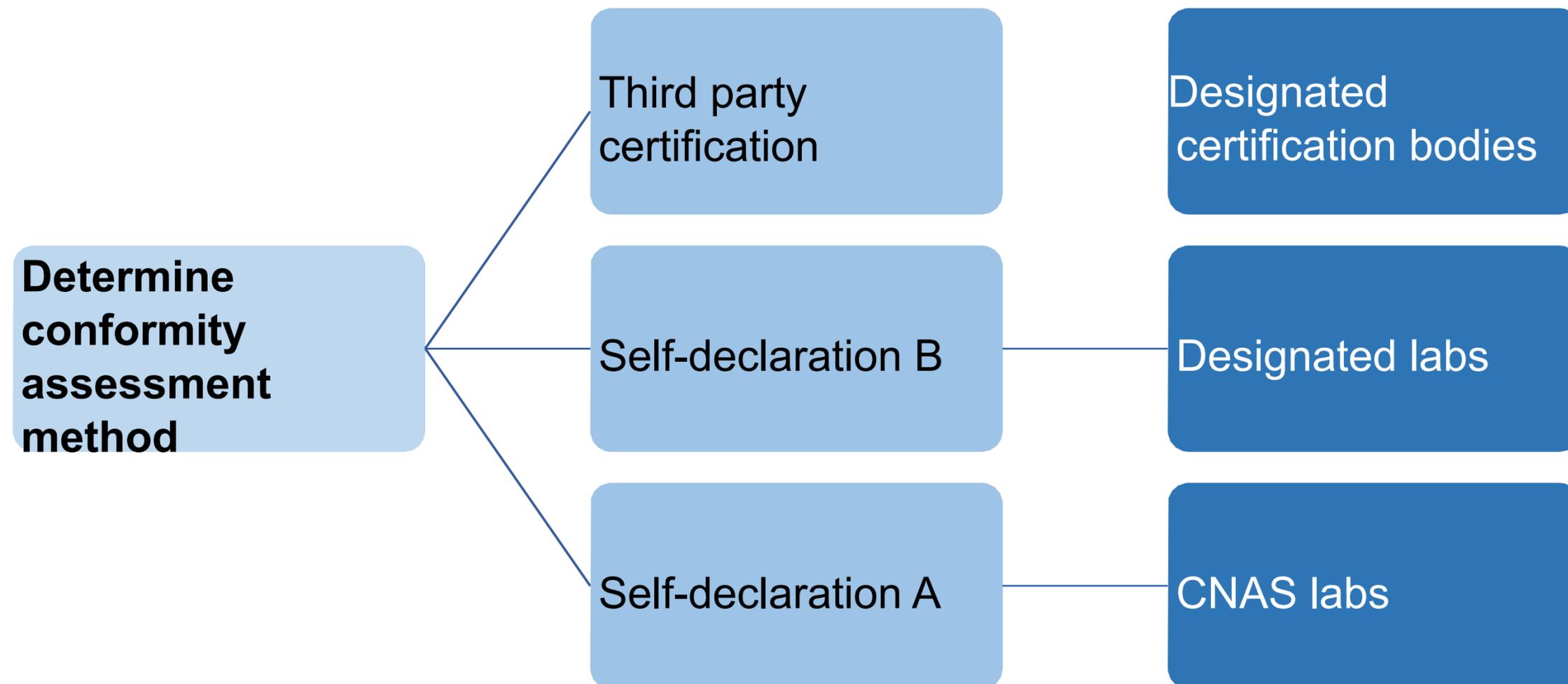
☑ 2.4 Conduct third-party certification or self-declaration

# Determine if product falls into CCC

- Check product's name
- Match product's attributes and features
- Searching key words in eligible certification bodies' portals for previous cases
- Check CNCA publish Hs Code vs CCC
- Consulting eligible certification bodies and labs

# Determine Conformity Assessment Method

- If your product falls in the scope of CCC, you will find the Designated Conformity Assessment Method In CCC Catalogue
- Identify qualified certification bodies and labs according to CNCA's *Announcement On Designated Certification Bodies and Labs For CCC*.
- Choose the appropriate ones according to price, convenience, service quality, reputation, etc.



# Identify applicable implementation rules and standards

**Before conformity assessment, you need to make clear the requirements stipulated in**

- Applicable CNCA's implementation rules on your product
- Applicable standards adopted in the CNCA implementation rules
- Make sure your products comply with the standards requirements
- Detailed implementation rules developed by the chosen designated certification body if third-party certification applies.

**Thank You**  
**For Your Attention**

