
EE Standards and Labeling Updates from China

**EGEE&C 49th meeting
Mar 29th, 2017
Jeju, Korea**

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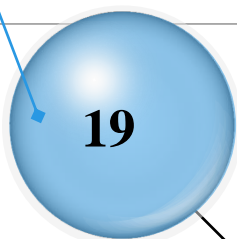
 **Update of EE Labeling**.....

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Update of EE standard

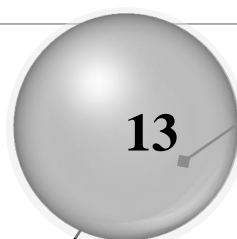
Household appliance

refrigerator, room-type air-conditioner, washing machine, electric rice cooker, flat panel televisions, color TV, electric fan, variable speed air-conditioner, electric water heater, gas instantaneous water heater, induction cooker, microwave oven, domestic solar water heating systems range hoods, [domestic gas cooking appliances.etc](#)



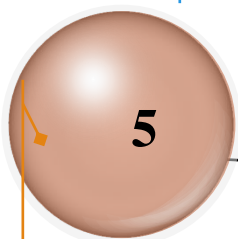
Lighting

Tubular Fluorescent Lamps , Double-capped Fluorescent Lamps , Single-capped Fluorescent Lamps , Self-ballasted fluorescent lamps , High-pressure Sodium Lamps, Metal-halide Lamps, Fluorescent lamps ballast , high-frequency electronic ballast for MH lamps, High-pressure Sodium Lamps Ballast, self-ballasted electrodeless fluorescent lamps,ballasts for electrodeless fluorescent lamps , single-capped electrodeless , [non-directional self-ballasted LED-lamps, tungsten halogen lamp,etc](#)



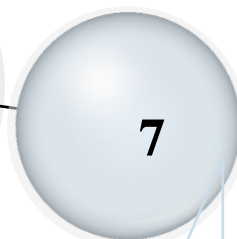
Official & electronic product

Copy machine, displayer, flat panel television, printer and fax machine, computer, etc



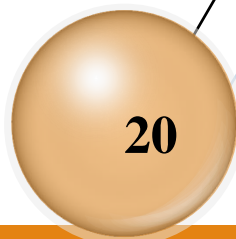
Commercial product

Unitary air-conditioner, water chiller, multi-connected air-condition unit, external electric power resource , Refrigerated display cabinets with remote condensing unit , lithium bromide absorption chillers, heat pump water heaters, [commercial gas cooking appliances, water-source\(ground-source\),heat pump,etc](#)



Industry product

motor , air compressor , fan , propeller pump, power distribution transformer, AC contactor , industry boiler , electricity transformer, small power motor, centrifugal blower ,arc welding machines , [permanent magnet synchronous motors,cage three-phase high voltage induction motor,etc](#)



Totally 64 ESs

Update of EE labeling

➤ New edition <Management Regulation of Energy Efficiency label> has been announced in Feb 29th, 2016 by NDRC and AQSIQ.

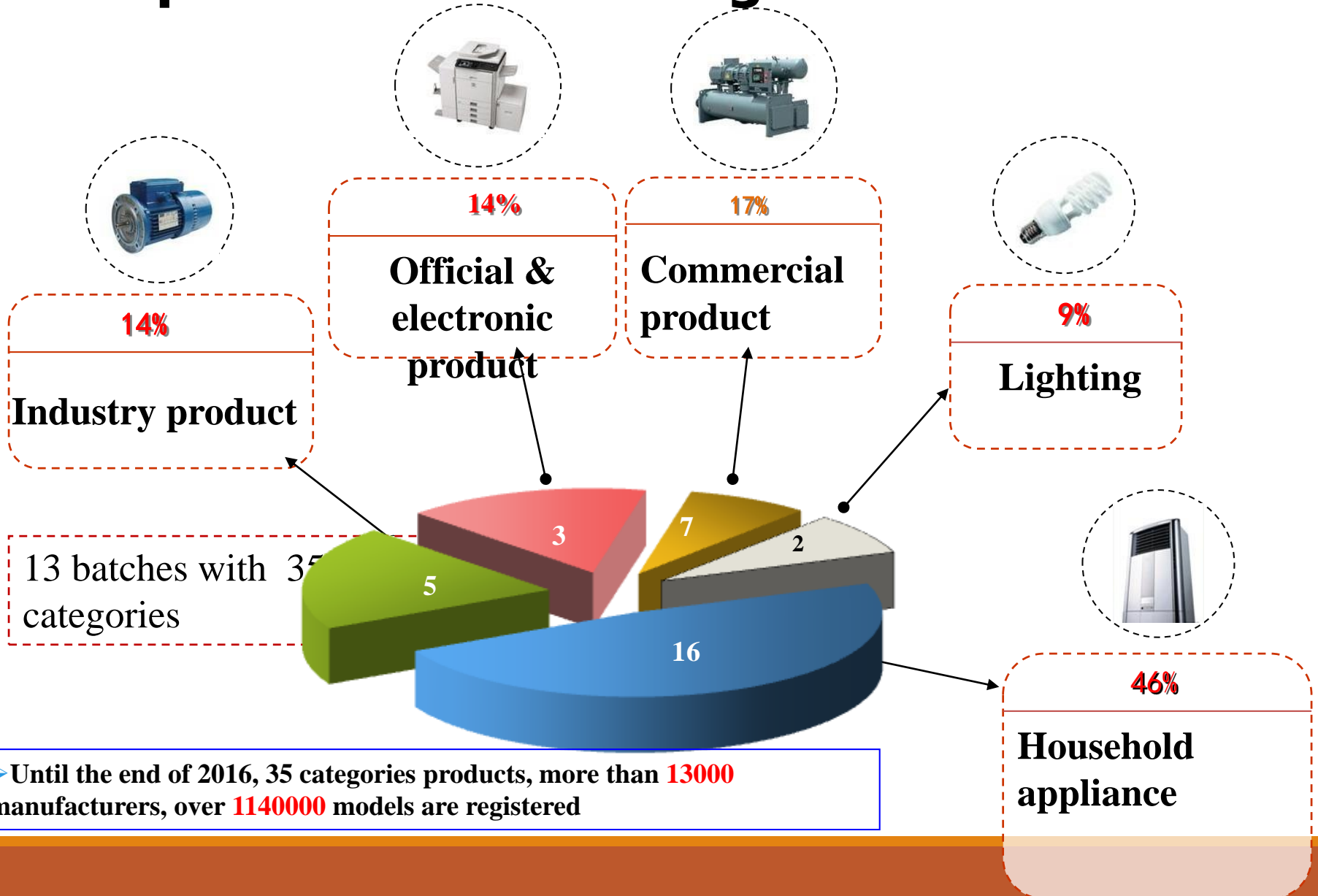


Update of EE labeling

Batch	category	Categories	Publish time	Implement time
1st	2	Refrigerator, room air-conditioner	2004. 11. 29	2005. 3. 1
2nd	2	washing machine, Unitary air-conditioner	2006. 9. 18	2007. 3. 1
3rd	5	Self-ballasted fluorescent lamps,High-pressure Sodium Lamps ,motor, water chiller , gas instantaneous water heater,	2008. 1. 18	2008. 6. 1
4th	6	VS air-conditioner, multi-connected air-conditioner , electric water heater , induction cooker, displayer, Copy machine	2008. 10. 17	2009. 3. 1
5th	4	electric rice cooker , electric fan, AC contactor , air compressor, revise refrigerator	2009. 10. 26	2010. 3. 1
6th	2	electricity transformer , fan, revise AC	2010. 4. 12	2010. 6. 1
7th	2	TV, microwave oven	2010. 10. 15	2011. 3. 1
8th	2	printer and fax machine ,digital television adapters	2011. 8. 19	2012. 1. 1
9th	2	refrigerated display cabinets with remote condensing unit , domestic solar water heating systems	2012. 6. 21	2012. 9. 1
10th	1	computer	2012. 11. 14	2013. 2. 1
revise	3	revise washing machine、 revise self-ballsted fluorescent lamps、 revise VS-AC	2013. 8. 9	2013. 10. 1
11th	4	Heat pump water heater, range hoods, copy machines and printer and fax machines, revise induction cooker	2014. 10. 20	2015. 1. 1
12th	4	Domestic gas cooking appliance, Commercial gas cooking appliance, Water-source (ground-source)heat pump, Lithium Bromide absorption chillers	2015. 3. 19	2015. 12. 01
13th	2	Projectors and LED-lamps	2016. 7. 5	2016. 7. 1

Until now, totally there are **35** categories of products are in China Energy Label's listing.

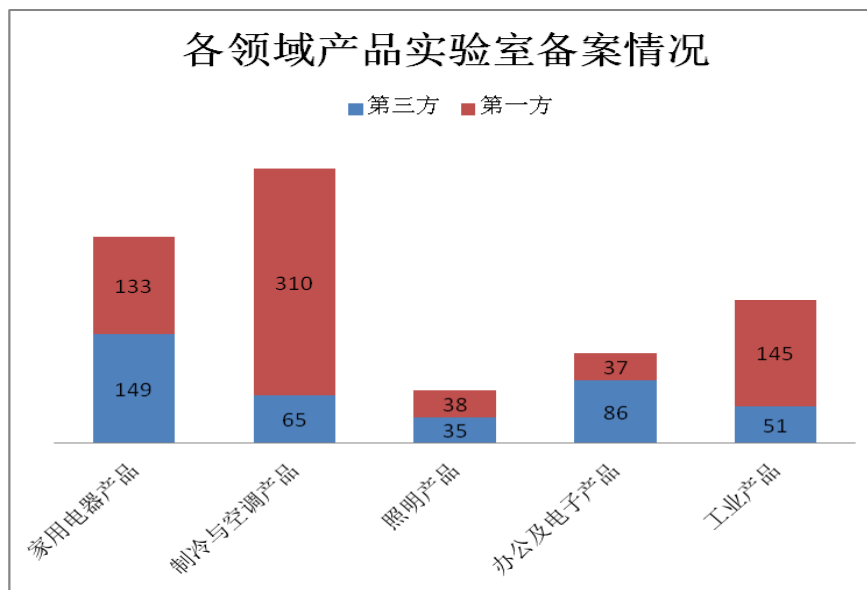
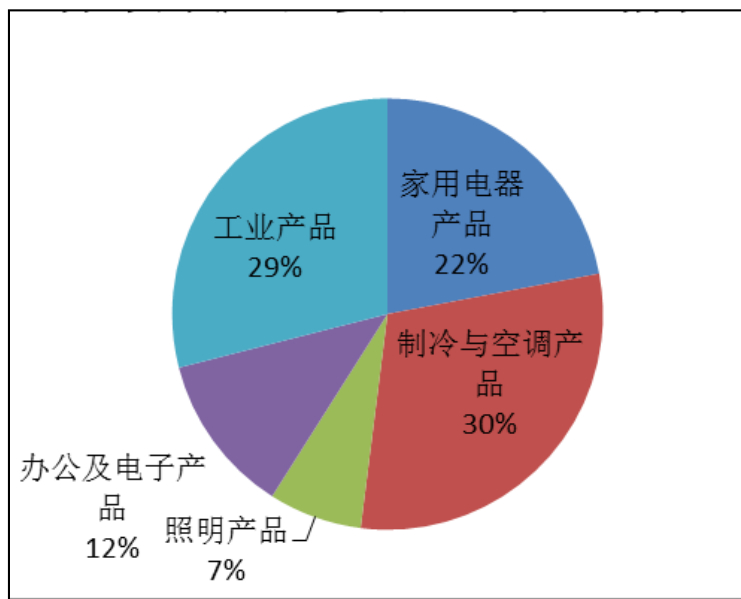
Update of EE labeling



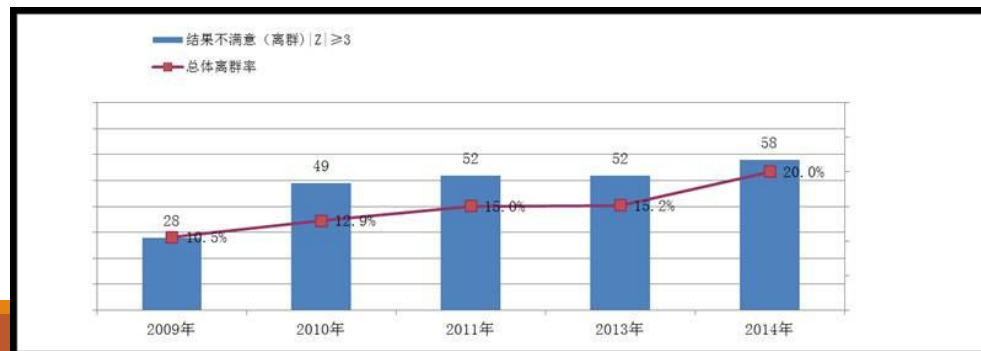
Update of EE labeling

➤ Development of Energy Efficiency label

Lab registration



- **Totally there are 1049 testing labs registered within 35 products categories, including 663 manufacturers labs**
- **RRT is still in organizing each year. More than 1600 labs. participating in RRT totally.**

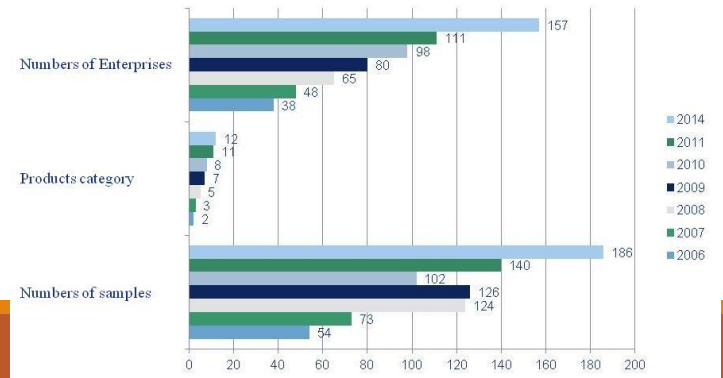
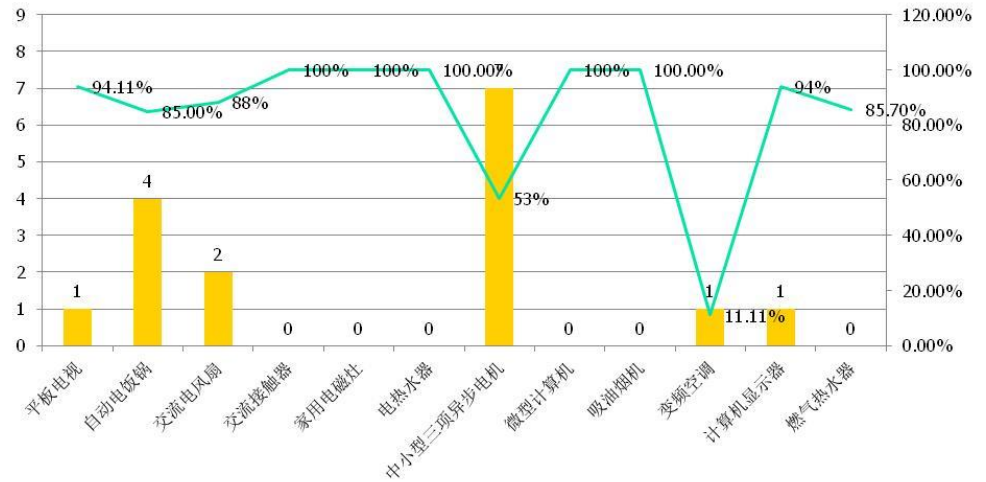
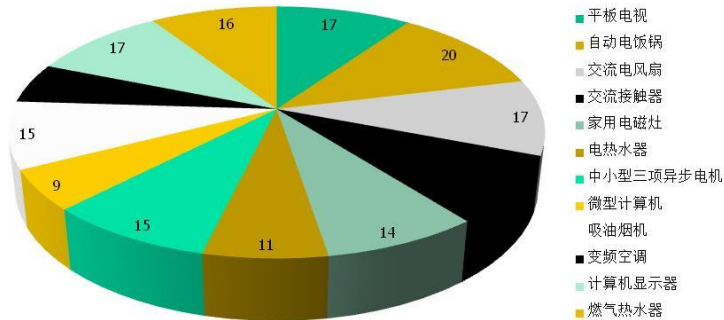


Update of EE labeling

➤ Development of Energy Efficiency label

➤ Market surveillance

Market surveillance result in 2015



New research project on EE

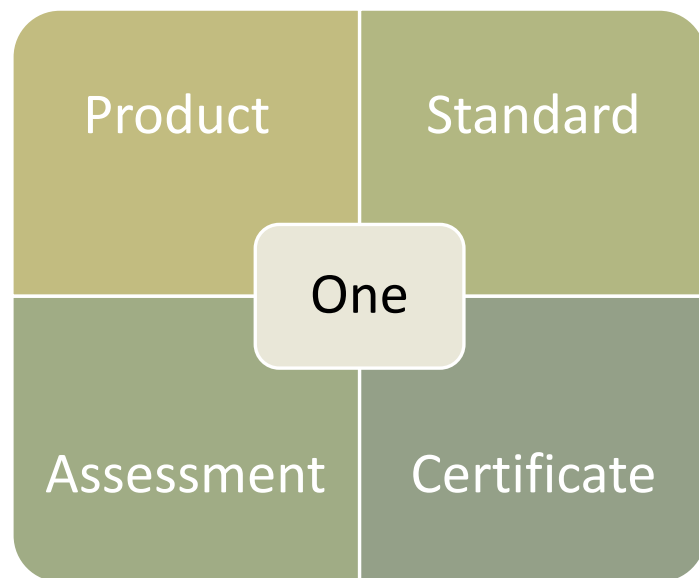
- ◆ “Top runner” policy had been published at the end of 2014, include: Energy-using products(**refrigerator, variable speed room type air conditioner, front-load washing machine, flat-panel TV**), High energy consumption industry and Public institutions;
- ◆ Water efficiency label regulation is still in research.



Progress of China Green Product System



Target



Progress of China Green Product System



Basic Principle

Stick to unified implementation and overall top level plan

- Coordinating resource and environment, industry level, consumption demands, international trade and resource saving, environmental friendly and consumption friendly with basis of life cycle thing for products

Stick to market driving, inspire internal impetus

- Marketing reform direction
- Playing role in regulating market order and improving market efficiency
- Delivering trust
- Promoting effective connection between supply and demand and upgrading economy structure

Stick to inheritance and innovation, realize smooth transformation

- Reality basis
- Progress step by step

Stick to system co-building, and promote to society co-governance.

- Wide participation among stakeholders
- Ministries cooperation and multiple roles governance
- Affiliated policies improvement
- Promote policy adoption and share green development results

Stick to openness and cooperation, connection with international

- Currently situation basis, abiding to international rules
- Adopting international experience
- Maintain China's position
- Promoting international acknowledgement and mutual recognition
- convenient international trade.

Progress of China Green Product System



Safeguarding Measures

Strengthening ministries and government departments cooperation.

- Coordination mechanism among ministries
- **Common target achieved**

01

Develop affiliated policies in relation to green products.

- Policies development of green finance, green manufacturing, green consumption, green procurement
- **Top runner green products**

02

Safeguarding measures

Cultivating green products environment.

- Building market integrity and industry self discipline
- **Lighten the burdern on enterprises**

03

04

Strengthen promotion on green products.

- Non-profit promotion activities on green products
- Good practices promotion of green products
- Green development concept promotion
- Guide for green living style
- **Safeguarding public rights of information, participation, choices and supervision**



Thank you for your attention!

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