EuropElectro
Annual Report
2010
China Operation
Public Version

In cooperation with:
ZVEI - German Electrical and Electronic Manufacturers’ Association, Frankfurt am Main
Orgalime - The European Engineering Industries Association, Brussels
EuropElectro

brings Europe and China closer together

Vision

EuropElectro helps to bring Europe and China closer together in technical legislation, standardization and certification for electrical and electronic products in order to facilitate the trade with these products in both directions.

Mission

We create and drive a network of people communicating in the field of technical legislation, standardization and certification. In these fields we build up an exchange of experiences between European electrical and electronics companies and Chinese authorities, administration and organisations. We provide information about developments in national Chinese technical legislation, standardization and certification for the support of our member companies. We also provide such information from Europe for the support of the Chinese administration, standardization and certification. We aim for supporting Chinese authorities to use international ISO and IEC standards in the Chinese standardization system. Our goal is to facilitate the trade of electrical and electronic products with regard to technical requirements. Through the cooperation with ORGALIME we are the voice of our member companies from all over Europe in China.

WANG Xu
Head of office

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After four years of development, EuropElectro has built a professional network with the Chinese government and authorities. EuropElectro is recognized as a significant partner by the legislators and authorities. In China, EuropElectro not only opened the door to the Chinese government but also engaged in representing the European industry in the European Commission and the Chinese government corporate programs.

To collaborate with ORGALIME and ZVEI, EuropElectro has completed its 2010 task plan. EuropElectro has built a network of experts from our member companies by organizing four work groups to address priority and emergency tasks. These work groups actively bring our industry interests in the key areas into the China legislation and standards drafting processes.

2010 was the last year of the China 11th Five-Year Plan and planning year for the coming 12th Five-Year Plan. The development of new energy and a low carbon economy were the hottest topics in China, especially relating to Smart Grid. On 20 May 2010 EuropElectro jointly hold the “Sino-EU SMART GRID Technology and Standardization Forum 2010”. Via this event EuropElectro successfully opened the door to Smart Grid related authorities and organizations.

I am sure that together we can accomplish even more in 2011.

Head of EuropElectro
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1. Executive Summary - Key Points of 2010 China Regulations and Standardization

Key Points of China Regulations and Standardization 2010

General Policy
2010 was the last year of the 11th Five-Year Plan and a year for developing the next Five-Year Plan – the 12th Five-Year Plan.

As reported in the government work report to the National People's Congress (NPC), China's top legislature, on 5 March 2011, China reached the major objectives and completed most of the tasks of the 11th Five-Year Plan, and the economy scaled new heights. It failed to meet three of the targets - increase the value-added in the service sector, increase its share in total employment and to track spending on R&D as a percentage of the GDP.

Over the past five years, China did make progress in energy conservation, emissions reduction, ecological improvement, environmental protection, clean energy development and in creating a circular economy.

China formulated policies, measures and national objectives for controlling greenhouse gas emissions by 2020 and drew up a comprehensive work plan for conserving energy and reducing emissions.

SAC has been carrying out a Three-Year Project – a China National Standardization System Project (2009 - 2011). This project will offer an effective standard development management platform by the end of 2011.

In 2010, SAC started to strictly control approvals of quantity and the quality of standards. The number of standards published in 2010 was dramatically less than in 2009.

Product Safety
A CCC regulation revision affecting the implementation rules of three product groups went into effect in 2010. The others are still under revision accordingly.

Product Related Environmental Requirements
The environmental requirements for electrical and electronic products have become a key focus in Chinese legislation and standardization work. China has regulations such as China RoHS, China WEEE, Energy labeling and compulsory energy efficiency standards, low-carbon.

- China RoHS has been in revision since July 2010
- China WEEE Regulation 2010 went into effect on 1 January 2011;
- The product catalogues for China Energy Labeling Regulations are expanding;
- China had published 42 compulsory Energy Efficiency Standards by the end of 2010;
- The low-carbon economy policy became a trigger for further economic policies which were reflected in China’s 12th Five-Year Plan (2011-2015).

I & CT Technology
I & CT technology is being promoted by the China government for adoption in traditional industry sectors. “Smart Grid” is an example of this. IT security regulation has become a hot topic for future market access.

Marketing Surveillance
Safety requirements for electrical and electronic products have also been key points in China because of the dramatically increased fatal disasters caused by products and systems in workplace safety in China.

The State Council solicited public comments on the Draft for Approval of ‘Callback (Recalls) Administrative Regulations for Defective Household Appliance’ in July 2010

IPR & Standards
The SAC draft regulation to have the process of patents being more transparent has been included in the standards since 2009. However, there was some reluctance to follow through on this process in the wake of some international criticizes. Our inside information tells us that it has been temporary stopped.
EuropElectro Achievements 2010:

**Government Network:**
EuropElectro has built a professional network with the Chinese government and authorities and is recognized as a reliable and significant partner by them. EuropElectro functioned in a bridging role between the European and Chinese sides. We organized six visits between the Chinese government and European industry. Through these visits and communication both the Chinese and European sides have developed a comprehensive understanding of issues and concerns.

**Membership in the Chinese TC and Organization:**
In 2011, we won a place for an additional expert in the CNCA & MIIT Joint Working Group on China RoHS Certification. EuropElectro experts have been active in the work of key TCs and introduced industry interests which have had an impact on the Chinese standards drafting process.

**Public Forum:**
EuropElectro successfully hosted four public forums on the Smart Grid, Sustainability of Consumer Electronics, Availability and Safety of Control Systems and IEC TC64 Standards with other important authorities.

**Working Group:**
To work closely with our member companies’ experts to complete our task list, EuropElectro has established four working groups focusing on “China RoHS”, “Energy Efficiency”, “China WEEE” and “CCC”. The work groups are always open to new participants from member companies.

**Information:**
We have published five newsletters to ensure our members receive news in a timely manner. We also sent more than 20 individual EuropElectro analyses per e-mail as an important channel to keep all the members informed of the new developments in our focus areas.

**Position Paper:**
EuropElectro has submitted three official position papers to represent our industry interests to the Chinese government regulators about call-back regulations on household appliance, China RoHS and China WEEE.

**Internal Seminar:**
EuropElectro organized eight internal seminars and telephone conferences on Energy Efficiency, China RoHS, China WEEE and Patent inclusion in the national standards.

**LV ED Initiative:**
In order to roundly promote the adoption of the IEC standards in the Chinese low-voltage distribution field, the EuropElectro LV Initiative cooperated closely with SAC TC205. On 18 August 2010, the EuropElectro LV Initiative, jointly with SAC TC205 (Chinese mirrored TC in IEC TC64) organized a technology seminar to introduce the application of IEC TC64 standards in China. The follow-up work on analysis of GB 50054 was continued in 2010. A draft of GB 50054 is finished and is in the approval stage. EuropElectro’s LV Initiative made a direct and important impact on decisions included in this draft.
**EVENT**

15 January  
**(Energy Efficiency)**
EuropElectro Expert Seminar on Energy Efficiency

19 January  
**(CCC)**
Our proposals on CCC Procedure Simplification are adopted by CNCA in the new Implementation Rule of the CCC for Household Appliances

27 January  
**(Low-Voltage)**
EuropElectro Low-Voltage Initiative China Operational Committee meeting

February  
**(Patent in National standards)**
EuropElectro patent in national standards task force telephone conference on draft national standard of “GB/T Disposing Rules on Patent Related National Standards”

February  
**(General)**
EuropElectro delegation visits CHEAA – China Household Electrical Appliances Association

2 March  
**(China RoHS)**
EuropElectro delegation visits MIIT for China RoHS development

11 March  
**(Low-Voltage)**
EuropElectro Low-Voltage Initiative 2010 1st expert meeting in Shanghai.

19 March  
**(Energy Efficiency)**
EuropElectro solicits Energy Efficiency WG’s comments on the revision draft of Minimum allowable values of energy efficiency and the energy efficiency grades for small and medium three-phase asynchronous motors

15 April  
**(China WEEE)**

21 April  
**(China WEEE)**
EuropElectro China WEEE WG telephone conference about the development of China WEEE.

18 May  
**(General)**
EuropElectro delegation visits CEC-China Electricity Council.

19 May  
**(General)**
EuropElectro delegation visits SAC-Standardization Administration of China

20 May  
**(Smart Grid)**
EuropElectro initiated and jointly organizes Sino-EU Smart Grid Technology and Standardization Forum in Beijing.

25 June  
**(China RoHS)**
EuropElectro China RoHS WG telephone conference on recent development on China RoHS.
<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 July</td>
<td>EuropElectro telephone conference on the draft of Call-back (recall) Administrative Regulations for Household Appliances Products</td>
</tr>
<tr>
<td>8 July</td>
<td>EuropElectro jointly organizes the International Forum on Sustainability of Consumer Electronics in Qingdao</td>
</tr>
<tr>
<td>18 August</td>
<td>EuropElectro Low-Voltage Initiative China Operational Committee meeting in Beijing</td>
</tr>
<tr>
<td>19 August</td>
<td>EuropElectro submits the position paper &quot;Revision of ‘China RoHS’ (Exposure Draft)&quot; to MIIT</td>
</tr>
<tr>
<td>4 August</td>
<td>EuropElectro gets one membership in CNCA &amp; MIIT joint Work Group on China RoHS certification</td>
</tr>
<tr>
<td>4 August</td>
<td>EuropElectro Solicits all Members’ Comments on the Draft of Common Position Paper on “Revision of ‘China RoHS’ (Exposure Draft)”</td>
</tr>
<tr>
<td>18 August</td>
<td>EuropElectro Low-Voltage together China IEC TC 64 committee organize a forum to promote IEC/TC 64 standards used in China Low voltage installation.</td>
</tr>
<tr>
<td>1 September</td>
<td>EuropElectro China RoHS WG telephone conference on China RoHS certification model</td>
</tr>
<tr>
<td>14 September</td>
<td>EuropElectro China WEEE telephone conference call for discussion on the Draft of WEEE Fund Levying and Usage Management Measures</td>
</tr>
<tr>
<td>15 September</td>
<td>EuropElectro jointly organizes the 9th Industry Automation and Standardization Forum with ITEI and SAC/TC124.</td>
</tr>
<tr>
<td>16-17 September</td>
<td>EuropElectro participate in CNCA &amp; MIIT China RoHS Voluntary Certification Work Group meeting</td>
</tr>
<tr>
<td>26 September</td>
<td>EuropElectro participate in the EV charge interface Standardization and development preparations meeting of the Initiative Charging Interface, a collaboration of Audi, BMW, Daimler, Porsche and Volkswagen</td>
</tr>
<tr>
<td>12-20 October</td>
<td>EuropElectro invites MIIT delegation to visit European Commission, ZVEI, Orgalime and EuropElectro member companies to discuss EU and China RoHS.</td>
</tr>
<tr>
<td>15 November</td>
<td>EuropElectro, representing European electrical industry, attends Conformity Assessment WG between EC and CNCA under the EU-China Regulatory Dialogue at the invitation of EC.</td>
</tr>
<tr>
<td>7 December</td>
<td>EuropElectro delegation visits MIIT officially to further communicate on our comments on draft of “China RoHS regulation”.</td>
</tr>
<tr>
<td>Date</td>
<td>Title</td>
</tr>
<tr>
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<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>8 January</td>
<td>NEWSLETTER 1/2010</td>
</tr>
<tr>
<td>26 February</td>
<td>NEWSLETTER 2/2010</td>
</tr>
<tr>
<td>25 March</td>
<td>NEWSLETTER 2/2010</td>
</tr>
<tr>
<td>2 June</td>
<td>NEWSLETTER 3/2010</td>
</tr>
<tr>
<td>Date</td>
<td>Event Description</td>
</tr>
<tr>
<td>-----------</td>
<td>-----------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>26 July</td>
<td>EE-2088-20100707 Position Paper on the draft of Call-back Regulations on Household Appliances (CN)</td>
</tr>
<tr>
<td>28 July</td>
<td>NEWSLETTER 4/2010</td>
</tr>
<tr>
<td>23 August</td>
<td>EE-2010002- EuropElectro's Position Paper on the &quot;Measures for Administration of Pollution Control of Electronic &amp; Electrical Products (Exposure Draft)&quot;-CN&amp;EN</td>
</tr>
<tr>
<td>17 October</td>
<td>EE- 1032-20091009 EuropElectro China RoHS development and trend 20101017</td>
</tr>
<tr>
<td>27 October</td>
<td>NEWSLETTER 5/2010</td>
</tr>
<tr>
<td>16 December</td>
<td>EE-2010002- EuropElectro’s Position Paper on the “Measures for Administration of Pollution Control of Electronic &amp; Electrical Products (WTO/TBT version)”—EN</td>
</tr>
</tbody>
</table>
2. 2010 EuropElectro Task Plan and Action Plan

Horizontal Issues
- General standardization policy and state industry policy
- Market access conditions (technical requirements)
- Information Platform for Smart Grid standardization in China

Product Related Issues
- LV- LV ED (Low voltage - Electrical Device) initiative has been in operation since 2007. The 1st phase 2007-2010 has been completed.
- New standards projects will be established by request and at the suggestion of EuropElectro members.

Figure 1: EuropElectro horizontal issues and product related issues

In the areas of Standardization, Technical Legislation and Conformity Assessment, we offer the following
- Information platforms
- Lobbying for our industry interests
- Bridges between the European electrical and electronic industry and China authorities

2.1 2010 Horizontal Issue Task Plan

<table>
<thead>
<tr>
<th>Horizontal issues</th>
<th>Key areas in 2009/2010</th>
<th>Priority (High, Middle, Low)</th>
</tr>
</thead>
<tbody>
<tr>
<td>General policy of standardization &amp; conformity assessment</td>
<td>1. General standards &amp; technology policy/general trade policy/general industry policy/government relations management</td>
<td>• H</td>
</tr>
<tr>
<td>Product safety</td>
<td>2. CCC</td>
<td>• H</td>
</tr>
<tr>
<td>Product-related environmental issues</td>
<td>3. China RoHS, 4. China WEEE, 5. Climate change policy 5.1 Energy efficiency 5.2 New energy 5.3 Energy contract management 6. Chinese harmonization of environment legislation status</td>
<td>• H – upgraded from M  • M (watchdog)  • H  • M (watchdog)  • M (watchdog)  • M (watchdog)</td>
</tr>
<tr>
<td>Product-related occupational safety and health issues</td>
<td>7. EMC/EMF(^1) 8. Functional safety 9. Work safety</td>
<td>• M  • H  • M (watchdog)</td>
</tr>
<tr>
<td>IPR(^3)</td>
<td>10. Tracking the platforms important to members’ businesses, e.g. SINO-EU IPR cooperation</td>
<td>• L (not a focus of this project)</td>
</tr>
<tr>
<td>Market surveillance</td>
<td>11. Market surveillance regulations governing CCC, product quality etc. for the Chinese market</td>
<td>• M</td>
</tr>
</tbody>
</table>

Figure 2: 2010 Horizontal Issue Task Plan

2.2 The Key Tasks of LV ED Initiative

The key tasks of LV ED Initiative are promoting IEC TC64 standards and related IEC product standards to influence "China Installation Code of Low Voltage".

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1. EMC: Electromagnetic Compatibility  
2. EMF: Electromagnetic Field  
3. IPR: Intellectual Property Right
3. Country Profile and Economic Environment

3.1 2010 GDP

In 2010, the gross domestic product (GDP) was 39,798.3 billion yuan - up by 10.3 percent over the previous year.

Of this total GDP, the value added of primary industry was 4,049.7 billion yuan (up by 4.3 percent), of secondary industry was 18,648.1 billion yuan (up by 12.2 percent) and of tertiary industry was 17,100.5 billion yuan (up by 9.5 percent). The value added of primary industry accounted for 10.2 percent of the GDP, of the secondary industry accounted for 46.8 percent and that of the tertiary industry accounted for 43.0 percent.

3.2 Exports & Imports in 2010

The total value of imports and exports in 2010 reached 2,972.8 billion US dollars (up by 34.7 percent over the previous year). Of this total, the value of exported goods was 1,577.9 billion US dollars - an increase of 31.3 percent - and the value of imported goods was 1,394.8 billion US dollars – an increase of 38.7 percent. The balance of exports minus imports was 183.1 billion US dollars - a decrease of 12.6 billion US dollars over the previous year.
The EU with US$ 311.2 billion in value is the largest importer for China in 2010. With US$ 168.5 billion in value, the EU ranks second only to Japan as the largest exporter for China.

**4. Technology Environment**

**4.1 Expenditure of R&D⁴ Funds**

As reported by the Bureau of Statistics in 2010, China’s total expenditures on R&D continued to maintain rapid growth. The amount of expenditures on research and development activities (R&D) was worth 698.0 billion yuan in 2010 - up 20.3 percent over 2009 - and accounting for 1.75 percent of GDP. Of this total, 32.8 billion yuan was appropriated for fundamental research programs.

**4.2 Authorized Patent in 2010**

814,825 patents were authorized by SIPO⁵ in 2010. Among them, inventions account for 17%, utility models for 42% and designs for 41%.

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⁴ R&D: Research and Development  
⁵ SIPO: State Intellectual Property Office of the People’s Republic of China
5. Regulation Environment

2010 was the last year of China’s 11th Five-Year Plan and the year to develop the 12th Five Year Plan (2011-2015). The government attached high priority to deal with the global financial crisis. Strategic spending guided and drove nongovernmental investment, greatly increased domestic demand and effectively compensated for weak external demand. This helped to reverse the slowdown in economic growth in a relatively short time and make the Chinese economy to pick up again.

This laid a firm foundation for long-term development.

As reported in the government work report at the opening meeting of the Annual Full Session of the National People's Congress (NPC), China's top legislature, on 5 March 2011, “The country’s productive forces and overall national strength improved significantly. China effectively warded off the impact of the global financial crisis, maintained steady and rapid economic development and fulfilled the major objectives and tasks of 11th Five-Year Plan, and the economy scaled new heights except for our failure to meet three targets set in the 11th Five-Year Plan - the value-added of the service sector, its share in total employment, and spending on R&D as a percentage of GDP.”

“The proportion of non-fossil fuels in primary energy consumption should reach 11.4%; energy consumption and CO₂ emissions per unit of GDP should be reduced by 16% and 17% respectively; the release of major pollutants should be reduced by 8% to 10%; forest stock should be increased by 600 million m³; and forest cover should be increased to 21.66%.”

5.1 2010 - The Last Year of China’s 11th Five-Year Plan

Result of China’s Two-year Investment Plan (2009-2010)

The Chinese government carried out a two-year investment plan (2009-2010) to increase spending by 4 trillion Yuan, including 1.18 trillion yuan from the central government. Of this amount,

- 43.7% was invested in low-income housing projects, projects to improve the wellbeing of rural residents and in social programs;
- 15.3% in innovation, restructuring, energy conservation, emissions reductions and ecological improvement;
- 23.6% in major infrastructure projects;
- 14.8% in post-Wenchuan earthquake recovery and reconstruction.
Plan for the Next Five Years

On 18 October 2010, the Communist Party of China (CPC) issued the full text of a proposal that will play a crucial role in shaping the country’s development over the next five years.

This document, the CPC Central Committee’s Proposal on Formulating the 12th Five-Year Plan (2011-2015) on National Economic and Social Development, was adopted during the Fifth Session of the 17th CPC Central Committee.

Divided into 12 parts, the proposal provided the basis for drafting the 12th Five-Year Plan. It included accelerating the transformation of economic development pattern, further expanding domestic demand and encouraging the modernization of agricultural methodologies.

The proposal also stressed the development of a modern industrial system, coordinated development of all regions and the building of an energy-efficient and environmentally-friendly society in the coming five years.

It lists the following as the major targets for economic and social development in the next five years:

- To maintain stable and relatively fast economic growth;
- To achieve major development in economic restructuring;
- To universally raise people’s incomes at a relatively fast pace;
- To noticeably enhance social construction and
- To continuously make progress on reform and opening-up.

The document points out that, with everyone’s efforts, substantial progress will be made in transforming China’s economic development patterns; the country’s comprehensive capabilities, international competitiveness and its capability to shield itself against risks; and making real progress in meeting people’s living and cultural demands with an emphasize on an all-round, better-life society.

The document states that China is still in an important period for achieving strategic opportunities, and it is faced with both precious historic opportunities and foreseeable and unforeseeable risks and challenges. China will improve awareness of opportunities and potential risks.

Schedule and Milestone of China Standardization Planning

**Figure 13: Schedule & Milestone of China Standardization Planning**

<table>
<thead>
<tr>
<th></th>
<th>2006</th>
<th>2010</th>
<th>2015</th>
<th>2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. Standards life spam shortened from 10.2 years to less than 5.</td>
<td>4.7 Y</td>
<td>2 Y</td>
<td>&lt;5 Y</td>
<td></td>
</tr>
<tr>
<td>3. Standard draft period shortened from 4.7 years to 2 years.</td>
<td>2006</td>
<td>2010</td>
<td>2006</td>
<td>2010</td>
</tr>
<tr>
<td>2. Number of revised standards increased from 2000 to 6000 per year.</td>
<td>600 TC/WG</td>
<td>2000</td>
<td>6000</td>
<td>44%</td>
</tr>
<tr>
<td>1. Adoption of international standards into Chinese standards increased to 80%.</td>
<td>2006</td>
<td>2010</td>
<td>80%</td>
<td>44%</td>
</tr>
<tr>
<td>China standardization should be same level as middle developed country.</td>
<td>2006</td>
<td>2010</td>
<td>2006</td>
<td>2010</td>
</tr>
<tr>
<td>Milestone targets for 2015</td>
<td>Milestone target for 2015</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>---</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5000</td>
<td>1. Self innovated standards to reach 5000.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2006</td>
<td>2015</td>
<td>&gt;90%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>44%</td>
<td>2006</td>
<td>2015</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Increased Standard TC to 2000 TCs/WGs</td>
<td>2006TC/WG</td>
<td>600TC/WG</td>
<td>2000</td>
<td>2000</td>
</tr>
<tr>
<td>EuropElectro Annual Report 2010 – China Operation</td>
<td>12</td>
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</tr>
</tbody>
</table>
6. Status of High Priorities

6.1 Technical Regulation Landscape of Market Access Conditions for Electrical and Electronic Product in China

In 2010, the regulations-related market access conditions mentioned above were enlarged to a broader product scope or were implemented. They impact our manufacturers’ products in China. Manufacturers should be aware that the market access conditions are changing.

| Landcape of Market Access Conditions for Electro product in China 2009-2010 |
|--------------------------------------------------|-------------------------------------------------|---------------------------------|-------------------------------|
| Market Access Conditions                        | Regulation in China                             | Product Scope                   | Regulation in Europe          | Business Impact | Business Risk |
| Product safety                                  | 1. CCC (China Compulsory Certification)         | 1. 149 kinds products           | CE Mark (New Legislation Frame)|                  |              |
| Product related environmental issues            | 1. China RoHS                                   | 1. 10 kinds EIP Electric Information Products | 1. EU RoHS Directive           |                  |              |
| Product related environmental issues            | 2. China WEEE                                   | 2. 5 products                   | 2. EU WEEE Directive           |                  |              |
| State Security                                  | 1. Information Security certification for I& CT Device |                              |                               |                  |              |

Note:
- Traffic light — Risk keeping — Risk increasing

Figure 16: Landscape of Market Access Conditions in China for Electrical/Electronic Products 2009-2010

- CCC regulation revision started to be implemented in 2009. Three new revisions of the implementation rules for Household Appliances, Information and Communication Technology Equipment and Audio & Video Equipment were implemented in 2010. Other product implementation rules are still being revised.
- China RoHS is under revision. The state recommended voluntary certification for China RoHS has been approved by CNCA and MIIT.
- How China WEEE will be implemented is still unclear. Manufacturers will have additional costs for paying fees for future recycling and disposal.
- More of our industry products will be required to adopt energy labeling and comply with compulsory energy efficiency standards under China’s further policies on energy saving and emissions reduction.
- The information security certificate for ICT devices will not be part of CCC, but companies should be aware that they are required for government procurement.

We encourage China’s regulators to consider industry administrative burdens, especially with regard to additional cost, consumption of time and fairness.
6.2 CCC - China Compulsory Certification

EuropElectro CCC Work Group engaged in working together with CCC regulator CNCA to bring our industry interests e.g. ‘self declaration’ concept into CCC process.

CCC Development in 2010

The CCC regulation revision was implemented in 2009. Three new revisions of implementation rules for Household Appliances, Information and Communication Technology Equipment and Audio & Video Equipment were implemented in 2010.

What’s new in the new version is as follows:

Based on the principle of simplifying procedure and reducing cost, the CNCA revised and published two new versions of the implementation rules on the product categories of ‘Household Appliances’; ‘Information Technology Equipment’ and ‘Audio/Video Appliances’ in 2010.

• Simply the definition of ‘product unit’: CNCA cancelled the requirement for EMC from the definition of product unit. According to this revision, general product units will be reduced by 10% and for ICT equipment, the product units will be reduced by 15-20% resulting in cost reduction.

• Key components are leveraged into A and B categories:
  - The requirements for key components in category A will not be changed.
  - Two options in the requirements for components in category B will be offered:
    Option 1: the manufacturer can maintain its current procedure but approval will require 7 working days.
    Option 2: the manufacturer can register changes of key components by their authorized ‘Technical Responsible Person’ through the website without review and approval by certification bodies. The approval will be immediately valid upon registration. The manufacturer’s authorized Technical Responsible Person’ is required to get training and qualification from the certification bodies.
  - 60% of the key components of household appliances are in category B.
  - 30% of the EMC key components and 60% of safety key components of IT equipment are in category B.

Next step

EuropElectro and our CCC working group will continue tracking the revising process of the implementation rules for related products in 2011.

Industry Concern

EuropElectro supports the CCC simplification and reduction of administrative burden for manufacture.

How to deal with the transition of ‘5 years validation period’ required in new 2009 CCC regulation?

When and how will the ‘recall’ requirements for CCC nonconformity product start in accordance of the new version CCC?

How to compliance with the new version implementation rules? e.g how expensive and time for approval the ‘Technical Responsible Person’?

Self Declaration of Compliance (SDoC) is always our industry position.

Action to Support Members

EuropElectro

• Reported news concerning standards revision and regulation development of the CCC regulations
• Made unofficial translations of two implementation rules for Household Appliance and Audio & Video Equipment.
• As our industry representative, participated in the EU-China dialogue on Conformity Assessments working group meetings.

Members of CCC WG

• ABB
• Bosch
• B/S/H
• Hager
• Harting
• Pepperl+Fuchs
• Philips
• Phoenix-Contact
• Rohde & Schwarz
• Schneider Electric
• SIBA
• Siemens
• Weidmüller
### 6.3 Energy Efficiency Development in 2010

The 11th Five-Year Plan (2006–2010)

The 11th Five-Year Plan (2006 – 2010) established an energy-savings target of 20 percent. These goals were basically met according to the time schedule.

During the past five years, China’s energy consumption per unit of GDP fell by 19.1%, chemical oxygen demand by 12.45% and sulfur dioxide emissions by 14.29%.

China made indisputable progress in energy conservation, emissions reduction, ecological improvement and environmental protection. The Chinese government has elevated its energy conservation and energy efficiency efforts to a basic state policy. Energy conservation is part of the three key areas of industry, building and transportation.

China has vigorously developed a path toward clean energy. New power generating units with a capacity of 445 million kW were put online, including hydropower plants with 96.01 million kW capacity and nuclear power plants with 3.84 million kW capacity.

China has adopted a host of new policies and regulations aimed at encouraging energy efficiency and expanding renewable energy deployment. It has built its clean energy sector in synergy with its unique economic system and institutions of governance.

Although China is working hard to attain this target, a gap still exists. Challenges that impede progress in energy savings include low fossil energy prices due, in part, to energy and fuel subsidies, an incomplete market-drivers policy and the lack of capacity building for energy saving.

In 2010

In 2010, EuropElectro overall supported the step towards promoting sustainable industrial policy and more sustainable consumption and production patterns in China. EuropElectro participated in and organized several activities concerning energy in 2010 in an effort to help members keep up with the fast-developing energy situation in China. These included the organizing members to participate in related standards and implementation rule-drafting and organizing internal seminars on Energy Efficiency and Energy labeling regulations to exchange view points with standardisation bodies.

EuropElectro also provided value-added work for its members such as analysis work on regulations, standards and implementation rules; clarification and confirmation with authorities on the possibility for our members to participate in incentive policies formation (e.g. incentives for high efficiency motors); responding to questions from members; and helping member to coordinate and establish communications with related authorities.
6.3.1 Energy Efficiency Standardization

EuropElectro has always kept a close watch on new promulgated and revised SAC energy efficiency standards. From the beginning of 2010 to the end of January, 2011, five more compulsory energy efficiency standards were promulgated or revised.

EuropElectro also actively worked on collecting comments on related draft regulations and standards and on organizing discussions on information and opinions concerning China’s energy efficiency. Some important positions were taken through these discussions. EuropElectro’s analysis (from the figure 17 below) indicates that China has extended these initiatives to developing compulsory energy efficiency standards for non-household use products, according to China state policy of energy saving and emission reduction.

![Trend of Compulsory Energy Efficiency Standards Enforced](image)

**Figure 17: Trend of Compulsory Energy Efficiency Standards Enforced**

**Actions to Support our Members**

- EuropElectro answered many of our members’ questions regarding energy and facilitated member coordination with related authorities.
- EuropElectro promptly provided English translations of important regulations for members.
- Members’ opinions on standards were effectively presented and discussed with drafters via EuropElectro.
- Vital good relationships with China’s related authorities and a communication platform for members has been established by EuropElectro.
6.3.2 Energy Labeling

In 2010, the NDRC, AQSIQ and CNCA jointly promulgated the 6th and 7th Product Catalogues as well as the implementation rules. Twenty-three products are required to have energy labeling at this point\(^{15}\). EuropElectro would like to remind our members that, according to the figure 18 below, there appears to be more possibility that energy labeling will be required by household use products.

\[\text{Figure 18: Label required vs. Label not required}\]

**Next Steps**

- EuropElectro will continue to strive to convince authorities to base the action on labeling on good faith and the transparency of market surveillance and call for China to set down concrete operational measures, establish detailed test procedures, publish a catalogue of qualified test laboratories and create a transparent surveillance system.

- EuropElectro continues to play a substantial role in the revision of the ‘Administration Measures on China Energy Label’ and changes of management of labeling. In doing so, EuropElectro is able to provide our industry’s positions regarding implementation.

- EuropElectro will continue to cooperate closely with SAC/TC20 and CELC on energy efficiency standardization in 2011 and to assist members to join in on the process of related standards drafting.

- EuropElectro will keep a close eye on national incentive policies on energy efficiency and their trends so that our members can enjoy more benefit from them.

**Industry Concerns**

- Revision of the Administration Measures on China Energy Label
- Next product catalogue and implementation rules for energy labels
- Mandatory energy efficiency standards drafting for new products
- Development of ‘Energy Conservation & Benefit People Program’
- Standardization of energy system management
- Related national incentive policies on energy efficiency and their trends
- Standardization development for the carbon footprint, carbon emissions and carbon labeling

**Members of WG Energy Efficiency**

- ABB
- B/S/H/
- Hager
- Harting
- Philips
- Phoenix-Contact
- Siemens

\(^{15}\) Energy Labeling is required for part of the products stated in the compulsory energy efficiency standards (one standard states one product). Among the 42 compulsory energy efficiency standards, 23 products are required to be labeled at this point.
6.4 China RoHS

EuropElectro China RoHS Work Group has been launched in 2007.

China RoHS Development in 2010

- In 2010, China RoHS compliance is still in the first implementation phase – self declaration. It did NOT start to require CCC for China RoHS compliance in 2010.

Recast of China RoHS regulation is in process since July 2010, but not finished yet

[20 July] MIIT officially solicited public comments on the "Measures for the Control of Pollution from Electrical and Electronic Products (Draft for comments)".

[21 October] The "Measures for Administration of Pollution Control of Electrical and Electronic Products (WTO/TBT notification version)" has been notified on WTO/TBT.

- The draft covers all electrical and electronic products and refers to equipments and auxiliary products with a working voltage below DC 1500V or AC 1000V.
- It is intended to refer to a 'Voluntary Certification' for compliance.

Our Risk is that once the new 'China RoHS' revised as Article 21, this voluntary certification will be 'compulsory'.

'China RoHS Voluntary Certification' will start in 2011

[25 May] MIIT and CNCA jointly published the "Advices on the Implementation of Voluntary Certification of Electronic and Information Products promoted by the State".

[11 June] CNCA called for a China RoHS expert work group

[23 November] CNCA published the requirement of marking management for China RoHS Voluntary Certification.

On July 2010, MIIT and CNCA have joint announced the 'China RoHS voluntary certification' covers 6 finished product and relevant components.

Product Scope: (In discussion)

Finished equipment: 6 kinds:
- Mobile phone,
- Telephone,
- Print Equipment used for Computer,
- Monitor used for Computer,
- Computer,
- Television

Next Step

- Tracking legislation roadmap on China RoHS Compliance model.
- To be close communicate with MIIT regulator in how is implementation of EU RoHS Directive; Comparison of EU-China RoHS regulation
- China mirror TC to IEC TC111 is transferring IEC 62473 CDV into Chinese national standard (GB) for material declaration. It will be used for EU RoHS directive compliance. We will ensure this GB standard will be close to IEC standard as much as possible.

Industry Concern and Our Work Group Target

In General, we would like promote EU electrical and electronic industry position into China RoHS Recast same as we do in EU RoHS recast.

- to track and influence transparency of the China RoHS compliance model e.g key catalogue for CCC and to organise members earlier aware of the risk
- to urge the ‘Self Declaration’ model used in EU RoHS Directive shall be adopted somehow in compliance of China RoHS regulation.
- to persuade MIIT regulator in earlier phrase that ‘Exception’ and ‘Exclusion’, which is listed in EU RoHS directive but allowed exemption in EU, to be adopted in China.
**Action to Support Members**

**Lobby:**

[**August**] EuropElectro solicited member comments on the "Measures for Administration of Pollution Control of Electrical and Electronic Products (Exposure Draft)"; EuropElectro sent the final Position Paper on the Exposure Draft to MIIT regulator.

[**16 December**] EuropElectro sent the final position paper on WTO/TBT Notification Version of "China RoHS Regulation".

[**12-20 October**] EuropElectro organized a MIIT delegation to visit European Commission, industry organizations and companies to exchange the views on EU and China RoHS.

[**7 December**] EuropElectro, ZVEI and China RoHS Work Group member companies organize a delegation to visit MIIT to clarify the understanding of the draft China RoHS regulation. EU electrical and electronic industry agreed with MIIT regulator to keep close contact on development of implementation of EU RoHS Directive.

**Membership:**

**[September]** As representative of EU Industry, EuropElectro become the member of the MIIT& CNCA joint ‘China RoHS expert work group’

**Report:**

**[October]** EuropElectro publish the status report "EE-1032-20101017 EuropElectro Report on China RoHS development and trend 20101017"

**Members of China RoHS WG**

- ABB
- Bosch
- B/S/H/
- EPCOS
- Hager
- Pepperl+Fuchs
- Philips
- Phoenix-Contact
- Rohde & Schwarz
- Schneider Electric
- SIBA
- Siemens
- Spinner
- Weidmüller
6.5 China WEEE

EuropElectro generally supports taking steps towards promoting a sustainable industrial policy and more sustainable consumption and production patterns in China.

NDRC, jointly with MoE and MIIT, has set up an Experts Committee for the China WEEE product catalogue; this committee is responsible for the drafting and adjustment of the WEEE product catalogue.

In 2010, the Draft for WEEE Fund Levying and Usage Management Measures was issued. It was which was prepared by the MoF and some related associations, including EuropElectro, were invited to provide comments.

The "HS Code for the First Batch of Products Catalogue of China WEEE (2010 version)" has been officially published and came into force on 1 January 2011.

**Action to Support Members**

• The EuropElectro WEEE delegation officially visited the CHEAA to get some information on their study on the China WEEE fund.

• The EuropElectro WEEE Work Group provided our industry's position on the draft of China WEEE regulations on fund levying - especially the right for manufacturers to recycle their own products and receive subsidies directly from the central government.

• EuropElectro has also cooperated closely with MIIT and provided examples of successful experiences of European WEEE to China related authorities.

**Next Steps**

• EuropElectro will continue to formulate a united industry position on WEEE legislation as a guideline for members for lobbying, and for their own internal or external use. We'll continue to communicate with related governments and provide our positions on the implementation of China WEEE regulations.

• EuropElectro plans to track the development of WEEE legislation (such as on fund levying and appropriation standards and product catalogues).

• EuropElectro will cooperate with other foreign associations on topics of common interest concerning WEEE legislation.

• The EuropElectro WEEE WG will perform related work based on the WG tasks for 2011 and our industry’s concerns.

**Industry's Concerns**

We have identified the following industry concerns:

• Supportive regulations for WEEE and its contents

• Levying methods and amounts of each type of WEEE

• Responsibilities of manufacturers with regard to fund levying and appropriation

• Next Product Catalogue based on the China WEEE regulations

**Members of WG Energy Efficiency**

• B/S/H/

• EPCOS

• Harting

• Philips

• Siemens

7. EE LV ED - EuropElectro Low Voltage Electrical Distribution Initiative

On 18 August 2010 EuropElectro Low-Voltage Initiative and SAC TC205 - National Standardization Technical Committee for Electrical Installations for Building organized training on the introduction of IEC TC64 standards and the application of IEC standards in China.

More than 100 participants from the design institutes and EuropElectro Low-Voltage Initiative member companies attended this training.

Mr. He Xiangkun, Professor Engineer of CNEEC, the member of SAC TC205 and Mr. Liu Pingzhou, Professor Engineer of China Aeronautical Project and Design Institute issued a training report for the participants. The IEC TC64 standards have been transferred to GB standards by SAC TC205 and the standards collection has been published last year.

This training got very positive feedback from the participants.

**Member of EE LV ED:**

• ABB

• Gimelec

• Hager

• Legrand

• Schneider

• Siemens
8. EuropElectro Steering Structure

8.1 Members of EuropElectro European Steering Committee

BSH Bosch und Siemens Hausgeräte GmbH,
Harting KGaA,
Philips International B.V.,
Rohde & Schwarz GmbH & Co. KG,
Schneider Electric,
Siemens AG.

8.2 Members of EuropElectro China Steering Committee (The names are in stroke order of surnames)

Du Pinsheng
Vice Chief Engineer/Director/R&D Center
Phoenix Contact Asia-Pacific (Nanjing) Co., Ltd.

Matthias Gunkel
Managing Director
Pepperl + Fuchs Automation Co. Ltd., Shanghai

Noel Girard
Vice President
Schneider Electric

Peter Herweck
Executive Vice President of SLC/President of Automation & Drives
Siemens Limited China

Peter Pang
CEO
BOSCH China

Feng Jiao
Director of Business Development Greater China
Zhuhai HARTING Limited Beijing

Roland Gerke
President of BSH China
BS Home Appliances Sales Co., Ltd.

Wang Xu
Head of office
EuropElectro

Wu Kenny
Chief Representative/General Manager
Rohde & Schwarz China Limited
9. Our member companies

ABB AG
www.abb.de
Alfred Kärcher GmbH
www.karcher.com
ARMATURENBAU GmbH
www.armaturenbau.de
Automess - Automation und Messtechnik GmbH
www.automess.de
Balluff GmbH
www.balluf.de
Baumüller Nürnberg GmbH
www.baumueller.de
Block Transformatoren-Elektronik GmbH
www.block-trafo.de
Brumberg Leuchten GmbH & Co. KG
www.brumberg.com
BSH Bosch und Siemens Hausgeräte GmbH
www.bsh-group.de
CLAGE GmbH
www.clage.de
CONTRINEX AG
www.contrinex.de
Eaton Industries Holding GmbH
www.e-t-a.de
Electrostar Schöttle GmbH & Co. KG
www.starmix.de
Elektromaschinenbau Wittlich GmbH
www.emb-wittlich.de
Endress+Hauser Holding
www.de.endress.com
EPCOS AG
www.epcos.com
ERCO Leuchten GmbH
www.erco.com
ETI Electroelement d.d.
www.eti.si
FRAKO Kondensatoren- und Anlagenbau GmbH
www.frako.de
Franz Wölfer Elektromaschinenfabrik Osnabrück GmbH
www.woelfer-motoren.de
Gustav Hensel GmbH & Co. KG
www.hensel-electric.de
Hans Turck GmbH + Co. KG
www.turck.com
Harting KGaA
www.harting.com
Herbert Waldmann GmbH & Co. KG
www.waldmann.com
Hess Form + Licht GmbH
www.hess.eu
Ifm electronic GmbH
www.ifm-electronic.com
JUMO GmbH & Co. KG
www.jumo.net
K.A. Schmersal GmbH
www.schmersal.com
KATHREIN-Werke KG
www.kathrein.de
Liebherr-Hausgeräte Ochsenhausen GmbH
www.lhg.liebherr.de
LTI Drives GmbH
www.lti-i.com
mdexx Magnetronic Devices GmbH & Co. KG
www.mdexx.de
Melitta Haushaltsprodukte GmbH & Co. KG
www.melitta.de
Miele & Cie. KG
www.miele.de
NARVA Lichtquellen GmbH + Co. KG
www.narva-bel.de
Panasonic Electric Works Vossloh-Schwabe GmbH
www.pewvs.panasonic.de
Pepperl + Fuchs GmbH
www.pepperl-fuchs.com
Pfannenberg GmbH
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Phoenix Contact GmbH & Co. KG
www.phoenixcontact.de
Pikatron GmbH
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PULS GmbH
www.puls-power.com
R. Stahl Schaltgeräte GmbH
www.stahl.de
Robert Bosch GmbH
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Severin Elektrogeräte GmbH
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