Our member companies

ABB AG
www.abb.de

Automess - Automation und Messtechnik GmbH
www.automess.de

Balluff GmbH
www.balluf.de

Bang & Olufsen
www.bang-olufsen.com

Bender
www.bender-de.com

Block Transformatoren-Elektronik GmbH
www.block-trafo.de

Bosch
www.bosch.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

ETI Electroelement d.d.
www.eti.si

Franz Wölfer Elektromaschinenfabrik Osnabrück GmbH
www.woelfer-motoren.de

Gustav Hensel GmbH & Co. KG
www.hensel-electric.de

Harting KGaA
www.harting.com

Hess Form + Licht GmbH
www.hess.eu

ifm electronic GmbH
www.ifm-electronic.com

JUMO GmbH & Co. KG
www.jumo.net

Kärcher
www.karcher.com

Liebherr-Hausgeräte Ochsenhausen GmbH
www.liebherr.com

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

ORGALIME
www.orgalime.org

Pepperl + Fuchs GmbH
www.pepperl-fuchs.com

Pfannenberg GmbH
www.Pfannenberg.com

Philips International B.V.
www.ip.philips.com

Phoenix Contact GmbH & Co. KG
www.phoenixcontact.de

PULS GmbH
www.puls-power.com

Rohde & Schwarz GmbH & Co. KG
www.rsd.rohde-schwarz.com

Ruhstrat GmbH
www.Ruhstrat.com

Schmersal
www.schmersal.com

SIBA GmbH & Co. KG
www.siba.de

SIEMENS AG
www.siemens.de

Stahl
www.stahl.de

Sirona Dental Systems GmbH
www.sirona.de

SPINNER GMBH
www.spinner.de

Stiebel Eltron GmbH & Co. KG
www.stiebel-eltron.com

Synflex Electro GmbH & Co. KG
www.synflex.com

Trafo modern Transformatorengesellschaft mbH
www.trafomodern.com

Hans Turck
www.turck.com

VEGA Grieshaber KG
www.vega.com

Waldmann
www.waldmann.com

Weidmüller GmbH & Co. KG
www.weidmueller.com

ZVEI
www.zvei.org
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
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EuropElectro
European Electrical and Electronics Industry
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Tel: +86 (10) 6539 6715
Fax: +86 (10) 6539 6719
E_mail: xu.wang@europelectro.org
www.europelectro.org
Background

2011 was the first year of the China 12th Five-Year Plan. Energy conservation, environment protection and industrial upgrading were put forward to the top priorities in the 12th-Five-Year Plan. Energy conservation, environmental protection, next generation of information technology, biology, high-end equipment manufacturing, new energy resources, new materials, and new energy vehicles were identified as SEVEN Emerging Industries of Strategic Importance to be developed during the 12th-Five-Year Plan.

During 2011 EuropElectro has continually built a professional network with the Chinese government and authorities as a recognized significant partner by them. In China, EuropElectro not only opened the door to the Chinese government but also engaged in representing the European industry to the Chinese government and European Commission corporate programme.

EuropElectro has completed its 2011 task plan with the cooperation of ORGALIME and ZVEI. EuropElectro has built a network of experts from our member companies by organizing four WGs and one information platform to address priority and emergency tasks. We actively brought our European industry interests in the key areas related to China market access conditions into the China legislation and standards drafting processes.

In 2011, EuropElectro created windows and developed a network for standardization activities for the Smart Grid and Demand-side Management, such as E-mobility, Smart Buildings, Smart Homes and Smart Metering in China. The board directed us to emphasize these tasks in 2011.

Especially in the E-mobility area in 2011 January, we were particularly pleased that, at the request of some of our members, EuropElectro was able to open doors and support our industry delegation in lobbying the Chinese government and authorities regarding power charging interfacing standards of E-mobility. In fact, when EuropElectro started to lobby we discovered that the Chinese government had planned to release the 5 Chinese standards for power charging interfacing standards in 2 weeks. We are pleased that our lobbying activities convinced China-related responsible government administrations to form a joint expert WG on this topic and they delayed to release the 5 China standards from February to December 2011 after the IEC vote on the mirror IEC standards. This initiative triggered the set-up of the Sino-German Bilateral Agreement on E-mobility Standardization Cooperation Programme.

Since then, the Chinese government and authorities appear to be taking EuropElectro's positions and recommendations even more seriously.

I am sure that together we can accomplish even more in 2012.

Head of EuropElectro

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**Member benefit, tasks and objectives:**
- Get information about developments in national Chinese technical legislation, standardisation and certification
- Support the member companies in China regarding questions in the above named issues and protection of intellectual property rights
- Create an effective interest group and build up an exchange of experiences by establishing a network of the local subsidiaries of European electrical and electronics companies
- Aim for a reduction of costs by removing obstacles in the certification procedure
- Lobby for an opening of the markets through the implementation of international ISO and IEC standards in the Chinese standardisation system
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   - 2011 EuropElectro Achievements  

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7. EuropElectro Steering Structure  
   7.1 Members of EuropElectro European Steering Committee  
   7.2 Members of EuropElectro China Steering Committee (The names are in stroke order of surnames)
1. Executive Summary

Key points of 2011 China Regulations and Standardization

General Policy:
2011 was the first year of the 12th-Five-Year Plan (hereafter referred to 12th FYP). The 12th FYPs for specific sectors were published in the end of January 2012, such as the 12th FYP for Standardization Development.

Industry Policy:
In the 12th FYP the emphasis is on fostering and developing SEVEN Emerging Industries of Strategic Importance. These include energy conservation, environmental protection, next generation of information technology, biology, high-end equipment manufacturing, new energy resources, new materials, and new energy vehicles.

Standards Policy:
The China standardization system will be reformed. It will encourage the industry alliances to develop standards in some industries with new and high-technologies; Development procedure of compulsory standards will be consistent with regulations and will be transparent to be public; The standardization work will focus on SEVEN Emerging Industries of Strategic Importance, energy savings and emissions reduction.

Energy Savings and Emissions Reduction Policy:
Objectives of Energy Savings (by 2015): Energy consumption for GDP per 10,000 RMB will be reduced by 16% compared to the data from 2010, by 32% compared to the data from 2005.

Objectives of Emissions Reduction (by 2015): The intensity of carbon dioxide emissions per unit of GDP will be reduced by 17% compared to the data from the 11th five year.

Product Safety:
CCC - The revision of implementation rules for the CCC product group is ongoing; CNCA strengthened the surveillance of certification bodies and testing bodies.

Products Related Environmental Requirements:
China RoHS - China RoHS regulation revision has not yet been finalized. The China RoHS CCC certification did not start in 2011. State-Promoted China RoHS Voluntary Certification has been introduced, but has not started yet.

China WEEE – China WEEE regulation went into effect on 1 January 2011, but it has not been implemented in 2011, because the necessary foundation supporting system: the fund levying and usage system was not established in 2011. This regulation is planned for implementation 2012.

Energy Efficiency & Energy Labeling - China had published 42 compulsory energy efficiency standards by the end of 2011. No new standards were published in 2011.
The product catalogue of China energy labeling covers at total of 25 products by the end of 2011. In 2011 two more products were listed in the catalogue, including printers and fax machines.

The China Low-Carbon - The China low-carbon product certification system was primarily completed in 2011. The draft of 'The China Low-Carbon Product Voluntary Certification Management Measure' and six supporting technical standards were close to completion. Indications are that the low-carbon voluntary certification will be developed to promote low-carbon economics.

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2011 EuropElectro Achievements:

**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 also works as a bridge for the EU and China bilateral cooperation. Especially in the E-mobility area in 2011 January, we were particularly pleased that, at the request of some of our members, EuropElectro was able to open doors and support our industry delegation in lobbying the Chinese government and authorities regarding power charging interfacing standards of E-mobility. In fact, when EuropElectro started to lobby we discovered that the Chinese government had planned to release the 5 Chinese standards for power charging interfacing standards in 2 weeks. We are pleased that our lobbying activities convinced China-related responsible government administrations to form a joint expert WG on this topic and they delayed to release the 5 China standards from February to December 2011 after the IEC vote on the mirror IEC standards. This initiative triggered the set-up of the Sino- German Bilateral Agreement on E-mobility Standardization Cooperation Programme.

On a regular base, EuropElectro participated in the EU-China Regulatory Dialogue WG Standardization meeting, WG Conformity Assessment meeting, and the EU-China Industry Dialogue WG Energy Efficiency meeting as a European industry representative.

**Memberships in Chinese TCs and Organizations:**
In 2011 EuropElectro gained additional 3 memberships in Chinese TC and organization. One is in STCE - China Standardization and Technical Consortium for Energy Conservation and Emission Reduction, the others are 'O’ member in SAC/TC20 on Energy Resource Basis and Management and 'O’ member in SAC/TC266 on Low-voltage Switchgear and Control Gear Assemblies. Altogether we gained 12 memberships in Chinese TCs and organizations related to our task list. With the active work in these TCs and organizations we keep introducing our industry interests into the drafting process of Chinese regulations and standards.

**Public Forums:**

**Work Groups:**
To work closely with our member companies’ experts, EuropElectro has established 4 WGs focusing on ‘China RoHS’, ‘Energy Efficiency’, ‘China WEEE’ and ‘CCC’ and 1 information platform focusing on “China Smart Grid and Demand-Side Management Information”. These WGs and platform are always open to new participants from our member companies.

**Information:**
EuropElectro published 5 newsletters to ensure our members are informed of further development in a timely manner. We created 15 study reports to analyze and summarize topics of great concern to our members.

**Internal Events:**
EuropElectro organized 2 internal seminars and telephone conferences with member companies’ experts on Energy Efficiency, China RoHS and China WEEE. In this way we can provide the experts the detailed information on the latest development.

**LV ED Initiative:**
In order to roundly promote the adoption of the IEC standards of IEC/TC64 in the Chinese low-voltage distribution field, the EuropElectro LV ED Initiative cooperated closely with SAC/TC205 and attained several achievements, such as supporting the 2011 IEC/TC64 General Meeting held in Beijing, organizing the IEC/TC64 Technology and Standardization Forum and further following up GB50054 modification work to adopt the IEC60364 standards.

After five years, at the end of 2011 the LV ED Initiative officially came to an end with EuropElectro.

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2 ‘863 Programme’: China National High-tech R&D Programme. For the details of this programme, please refer to http://www.most.gov.cn/eng/programmes1/200610/t20061009_36225.htm
<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>EuropElectro set up China Smart Grid and Demand-side Management</td>
<td>21 Feb.</td>
<td>Information Platform out of EuropElectro members.</td>
</tr>
<tr>
<td>New EuropElectro website went live</td>
<td>1 Mar.</td>
<td></td>
</tr>
<tr>
<td>EuropElectro delegation visited AQSIQ Metrology Department</td>
<td>4 Mar.</td>
<td></td>
</tr>
<tr>
<td>SINO-German Technical Discussion Meeting Regarding E-mobility</td>
<td>12 Mar.</td>
<td>Charging Interface in Tianjin as a follow-up to general lobby in January 2011.</td>
</tr>
<tr>
<td>EuropElectro became a member of STCE</td>
<td>29 Mar.</td>
<td></td>
</tr>
<tr>
<td>EuropElectro supported the organization of the IEC/TC64 Plenary</td>
<td>11-12 May</td>
<td>Meeting in Beijing.</td>
</tr>
<tr>
<td>EuropElectro jointly organized IEC/TC64 Standards and Technology</td>
<td>13 May</td>
<td>Forum in Beijing, with SAC/TC205.</td>
</tr>
<tr>
<td>EuropElectro invited ZVEI and member experts to make presentations</td>
<td>10 May</td>
<td>at MIIT China RoHS Standardization WG meeting.</td>
</tr>
<tr>
<td>EuropElectro jointly organized the 10ᵗʰ Industry Automation and</td>
<td>24-25 May</td>
<td>Standardization Forum.</td>
</tr>
<tr>
<td>(Concentrated on publications)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Concentrated on publications)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date</td>
<td>Event Description</td>
<td></td>
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<tr>
<td>------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>4 August</td>
<td>(China RoHS &amp; China WEEE &amp; Energy Efficiency) EuropElectro held China RoHS &amp; China WEEE &amp; Energy Efficiency WG tele-conference meeting to review the WGs’ task list.</td>
<td></td>
</tr>
<tr>
<td>6 September</td>
<td>(General) The Head of EuropElectro gave a congratulatory and EuropElectro introductory speech at the Schmeral company’s new factory opening ceremony in Shanghai.</td>
<td></td>
</tr>
<tr>
<td>9 August</td>
<td>(Smart Grid) EuropElectro visited SAC/TC426 at their invitation.</td>
<td></td>
</tr>
<tr>
<td>20 September</td>
<td>(General) EuropElectro and ZVEI received a SAC delegation in Frankfurt am Main.</td>
<td></td>
</tr>
<tr>
<td>25-26 August</td>
<td>(Smart Grid) EuropElectro was involved in the development of smart homes in China - attended SAC/TC426 Internal Workshop in QinHuangDao.</td>
<td></td>
</tr>
<tr>
<td>13 October</td>
<td>(Smart Grid) EuropElectro jointly organized the 23rd Electrical Measuring Technology, Standards and Products International Forum and Fair in Guangzhou.</td>
<td></td>
</tr>
<tr>
<td>24-28 October</td>
<td>(General) Head of EuropElectro, as a member of the China national IEC delegation, participated in the 75th IEC General Meeting in Australia.</td>
<td></td>
</tr>
<tr>
<td>26 October</td>
<td>(E-Mobility) EuropElectro participated in Kickoff Meeting of Sino-German Cooperation on E-mobility Certification.</td>
<td></td>
</tr>
<tr>
<td>1 November</td>
<td>(General) EuropElectro cooperated in the organization of 2011 Annual Meeting of China mirror IEC/TC64 – invited and accompanied the Technical Director of KNX Association, Mr. Joost Demarest, to give technical presentation at the meeting.</td>
<td></td>
</tr>
<tr>
<td>14 November</td>
<td>(General) The Head of EuropElectro introduced the new EU RoHS at the Annual Meeting of China Electrical Alloy Industry Association.</td>
<td></td>
</tr>
<tr>
<td>17-18 November</td>
<td>(General) EuropElectro participated in EU-China Regulatory Dialogue WG Standardization Meeting in Sanya, Hainan Province.</td>
<td></td>
</tr>
<tr>
<td>23 November</td>
<td>(General) EuropElectro Participated in EU-China Regulatory Dialogue WG Conformity Assessment Meeting in Beijing.</td>
<td></td>
</tr>
<tr>
<td>24-28 October</td>
<td>(General) Head of EuropElectro, as a member of the China national IEC delegation, participated in the 75th IEC General Meeting in Australia.</td>
<td></td>
</tr>
<tr>
<td>26 October</td>
<td>(E-Mobility) EuropElectro participated in Kickoff Meeting of Sino-German Cooperation on E-mobility Certification.</td>
<td></td>
</tr>
<tr>
<td>17-23 November</td>
<td>(Smart Grid) EuropElectro and ZVEI accompanied a Chinese delegation, which was headed by the South Grid, in a visit to Germany to research smart metering and smart homes.</td>
<td></td>
</tr>
</tbody>
</table>
June (China RoHS)
EuropElectro initiated the project ‘CN-EN Vocabulary List of Frequently Used Words RoHS-Related’ reviewed by EuropElectro China RoHS WG and this list was published on EuropElectro website in March 2012.
20 July
NEWSLETTER 3/2011
EuropElectro study report: Updated Version of ‘Standardization-related China Government & Authorities Map’

21 July
(General)
EuropElectro study report: Updated Version of ‘Standardization-related China Government & Authorities Map’

5 September
(Smart Grid)
EuropElectro study report: IoT (Internet of Things) Standards Activity Progress

13 September
(CCC)
EuropElectro Comparison Analysis on 8 Amended CCC Implementation Rules for Electrical Appliance Accessories & List of the Status of CCC Implementation Rules

22 September
NEWSLETTER 4/2011

4 October
(China RoHS)
EuropElectro study report: Introduction and EuropElectro Suggestions for ‘State-promoted Voluntary Certification of China RoHS’

12 December
NEWSLETTER 5/2011

EuropElectro Annual Report 2011 – China Operation
2. 2011 EuropElectro Task Plan and Action Plan

EuropElectro’s work has two levels. In general, EuropElectro focuses on horizontal issues.

- **Horizontal issues**
  - General standardisation policies and state industry policies
  - Market access conditions (technical requirements)
  - EuropElectro China Smart Grid and Demand-Side Management Information Platform

- **Product related issues**
  - As per member company requests
  - Low voltage initiative and at the end of 2011 officially came to an end with EuropElectro

In the areas of Standardization, Technical Legislation and Conformity Assessment, we offer the following services:

- Information platforms
- Lobby channels for our industry interests
- Bridges between the European electrical/electronics industry and China government and authorities
### 2.1 2011/12 Horizontal Issue Task Plan

There are 18 tasks in the 2011-2012 task list, of which 3 are new tasks compared to the 2010 task list. (the new tasks are highlighted in Italics).

<table>
<thead>
<tr>
<th>Horizontal Issues:</th>
<th>Key Areas in 2011/2012:</th>
<th>Priority: (High, Middle, Low)</th>
</tr>
</thead>
<tbody>
<tr>
<td>General policy of Standardization &amp; Conformity Assessment</td>
<td>1. General S&amp;T 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 (energy-saving in industry, building, construction, transportation, public institutions) 6. EMC 7. EMF 8. China environmental legislation landscape status</td>
<td>• H • H • M (watch dog) • H • M • M (watch dog) • M • M • M (watch dog)</td>
</tr>
<tr>
<td>Product related Occupation and Health Issues</td>
<td>9. Functional safety 10. Work safety</td>
<td>• M (downgraded from H) • M (watch dog)</td>
</tr>
<tr>
<td>IPR</td>
<td>11. Sources information on important platforms, e.g. EU IPR2 project and EU IPR SME Help Desk</td>
<td>• L (It is not a focus of EuropElectro)</td>
</tr>
<tr>
<td>State Security</td>
<td>12. IT security regulations 13. Radio frequency regulations</td>
<td>• M (watch dog) • L</td>
</tr>
<tr>
<td>Market Surveillance</td>
<td>14. Market surveillance regulations on CCC, product quality etc. for China market</td>
<td>• M</td>
</tr>
<tr>
<td>China Smart Grid and Demand-Side Management Information</td>
<td>15. Supply-side and demand-side (e-mobility, smart buildings/homes, smart metering)</td>
<td>• M</td>
</tr>
</tbody>
</table>

### 2.2 Key Tasks of LV ED Initiative³

The key tasks of the LV ED Initiative are the promotion of IEC/TC64⁴ standards and related IEC product standards to influence the ‘China Low Voltage Installation Code’.

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³ LV ED Initiative: One initiative under EuropElectro: The Low Voltage Electrical Distribution Initiative
⁴ IEC/TC64: Electrical installations and protection against electric shock
3. Country Profile and Economic Environment

3.1 2011 GDP (100 US dollars = 630.21 Yuan)

In 2011, the gross domestic product (GDP) was 47,156.4 billion Yuan - up by 9.2 percent over the previous year. The value added by primary industry was 4,771.2 billion Yuan (up by 4.5 percent), secondary industry was 22,059.2 billion Yuan (up by 10.6 percent) and tertiary industry was 20,326.0 billion Yuan (up by 8.9 percent). The value added by primary industry accounted for 10.1 percent of the GDP, secondary industry for 46.8 percent and tertiary industry for 43.1 percent.

Source: National Bureau of Statistics of China

<table>
<thead>
<tr>
<th>Quarter No.</th>
<th>Q1</th>
<th>Q2</th>
<th>Q3</th>
<th>Q4</th>
</tr>
</thead>
<tbody>
<tr>
<td>GDP growth by quarters</td>
<td>9.70</td>
<td>9.10</td>
<td>9.50</td>
<td>8.90</td>
</tr>
</tbody>
</table>

Source: National Bureau of Statistics of China
3.2 Exports & Imports in 2011

The total value of imports and exports in 2011 reached 3,642.1 billion US dollars - up by 22.5 percent over the previous year. Of this total, the value of goods exports was 1,898.6 billion US dollars (up by 20.3 percent) and the value of goods imports was 1,743.5 billion US dollars (up by 24.9 percent). The balance of imports and exports (exports minus imports) was 155.1 billion US dollars, a decrease of 26.4 billion US dollars over the previous year.

Source: National Bureau of Statistics of China

The EU, with 356 billion US dollars in value, was the largest importer from China in 2011. With 211.2 billion US dollars in value, the EU has risen to first place as the largest exporter to China.

Source: National Bureau of Statistics of China
4. Technology Environment

4.1 Expenditure of R&D Funds

As reported by the Bureau of Statistics in 2011, 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 861.0 billion Yuan in 2011, up by 21.9 percent over 2010, accounting for 1.83 percent of GDP. Of this total, 39.6 billion Yuan was appropriated for fundamental research programmes.

![Statistics on China’s R&D Expenditure from 2007-2011](chart)

Source: National Bureau of Statistics of China

4.2 Authorized Patent in 2011

961,000 patents were authorized by SIPO in 2011. Among them, inventions account for 172,000.

5. Regulation Environment

5.1 General Economic Environment

Compared to the 11th FYP, which gave the highest priority to ‘growth’, the 12th FYP for National Economy and Society Development emphasized ‘scientific development’. Thus, the GDP growth target, set at 7.5%, is much lower than last year.

According to the 12th FYP for National Economy and Society Development and the Government Work Report presented by Premier Wen Jiabao on 5 March 2012, China will pay more attention to ‘Scientific Development’, which includes ‘Industry Transition and Upgrade’, ‘Resource Efficient and Environment-Friendly’, ‘Benefit People’, ‘Quality’, etc. We expect that the government will try to set up a more standard and transparent market. In turn, the market will encourage products with higher energy efficiency.

5.2 Policy Environment for Standardization

5.2.1 Official Documents

State Level Documents
- Outline of the 12th FYP for National Economic and Social Development
- Outline of the National Long and Mid-term Scientific and Technological Development Plan (2006-2020)

SAC Documents
- National Standardization Development Plan (2006-2020)
- 12th FYP for Standardization Development
5.2.2 Four Principles for Standardization Development

From the electronic and electrical industry point of view, we have identified 4 principles adopted by the government when developing standardization for an economical society.
- Market Drive and Government Support
- Influence International Standards (ISO, IEC, ITU) and other Advanced Standardization Bodies
- Develop own Standards and apply them to Emerging High-tech Areas
- Self-innovation with self-owned IPR in Emerging Industries of Strategic Importance

5.2.3 Actions to be taken in the 12th Five-Year

On the subject of standardization, the major actions will include:
- China standardization system will be reformed. Industry alliances to develop standards in new high-tech areas will be encouraged.
- Development procedure of compulsory standard will be consistent with regulations and will be transparent to be public;
- Focus on SEVEN Emerging Industries of Strategic Importance
- Focus on energy savings and emissions reduction
- International cooperation with international SROs.

5.3 Key Points Related to Electrical/Electronics Industry within the 12th Five-Year (2011-2015)

For our members, we suggest that our members pay close attention to points below since they might present either opportunities or risks to your business in China in the near future.

**Policy Point 1:** Consumption of Energy for GDP per 10,000 RMB shall be reduced by 16% of 2010 or by 32% of 2005.

**Attention and Opportunity:**
- Requirements for compulsory energy efficiency standards and energy labeling will be increased and supervision will be strengthened.
- Government incentive policy on high efficiency products will focus on Motors, Household-Appliance and Green-Lighting, etc.

**Policy Point 2:** Fostering SEVEN Emerging Industries of Strategic Importance to be world class level by 2030

**Attention and Opportunities:**
For the electrical/electronics industry, related product category, such as new energy automobiles, IOT, the smart grid and demand-side management will continue to receive investment and policy support from the government.

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5 R&D: Research and Development
6 SIPO: State Intellectual Property Office of the People’s Republic of China
6. Status of High Priorities

6.1 China Marketing Access Condition Development in 2011

In 2011, technical requirements for market access still remain the same, but the scopes of the regulations have expanded.

There is a trend toward voluntary certifications, such as the Low Carbon Footprint Labeling and State-Promoted China RoHS Voluntary Certification, being adopted in government incentive policies for promoting a cyclical economy in the 12th FYP. We should pay more attention to the development of these kinds of voluntary certifications in case our products become included in the scope of these policies.

<table>
<thead>
<tr>
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<td>1. Operation problem</td>
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<td>- China Compulsory standards for product safety</td>
<td>- Additional 17 new implementation rules published, 10 related to our</td>
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6.1.1 CCC - China Compulsory Certification

EuropElectro CCC WG worked jointly with the CCC regulator, CNCA, to bring our industry interests, e.g. the ‘self declaration’ concept, into the CCC process.

**CCC Development in 2011**

CCC regulation revision has been in implementation in 2009. The revision of the implementation rules of every product group was still ongoing in 2011 and will continue in 2012.

- 17 implementation rules were revised in 2011. 10 of them are related to our member companies’ business activates. We translated 8 and published 8 comparisons study with the previous version for our members’ reference.

**Next Steps**

EuropElectro and our CCC WG will continue to track the revision process of the implementation rules for related products in 2012.

**Industry Concerns & Our WG Target**

EuropElectro supports the CCC simplification and reduction of administrative burden for manufacturers. Self Declaration of Compliance (SDoC) by manufacture is always our industry position.

- Methods of dealing with the transition of the ‘5 years validation period’ required in the 2009 version of the CCC regulation. (most recent version)
- The timing and form of implementation of the ‘recall’ requirements for CCC non-conformity products in accordance with the 2009 version of the CCC regulation
- Compliance with the 2009 version of the implementation rules (e.g. cost and time required for approval of the ‘Technical Responsible Person’)

**EuropElectro Actions for Members**

- Made unofficial translation and comparison study report between previous and new versions of the CCC implementation rules for 10 products related to our members’ business activities
- Participated in EU-China Regulatory Dialogue on Conformity Assessments WG meeting as industry representative
- Maintained membership in the CCC regulation team hosted by CCC regulator, CNCA
- Kept EuropElectro’s members abreast of the news on revisions to CCC standards and CCC regulation development
6.1.2 Energy Efficiency Development in 2011

Policy Environment and Achievement in 2011

Energy Conservation and Environmental Protection is ranked no. 1 in the SEVEN Emerging Industries of Strategic Importance and is closely watched by every other industry. Energy Conservation and Environment Protection is deemed absolutely the indivisible part of China’s economic and society’s sustainable development. Therefore a series of policy documents related to energy and the environment were published following the 12th FYP for National Economic and Society Development. As the first year of the 12th Five-Year, in 2011, some landmark events were held as well.

Compulsory Energy Efficiency Standards & Labeling in 2011
- Status
  At present 42 compulsory energy efficiency standards have been published in total, among which, 25 are required the implementation of energy efficiency labeling.

- Trends
  1. It is clearly stated in the series of the state level documents, that compulsory energy efficiency standards and energy efficiency labeling, as an efficient method for achieving energy conservation and emissions reduction will be extended more widely to industry products.
  2. Criteria for the standards will be stricter according to the 12th FYP for Standardization Development. More than 85% of national standards relevant to international standards should have the same or even more stringent criteria levels than international standards.
  3. ISO/IEC and related international standards will be given priority to refer to or adopt when the national standards are formulated or revised.

Attentions & Opportunities
- Top Runner Programme
  According to the Comprehensive Guideline for Energy Conservation and Emission Reduction in the 12th Five-Year, ‘Top Runner’ Standard System will be set up and the energy efficiency standard of ‘Top Runner’ will be taken into account when reviewing newly set up projects and promoting energy efficiency products.

  Actually, since 1 February, the Energy Label Administration Measurement for Ultra-High Energy Efficiency Products has been enforced as part of Top Runner Programme. EuropElectro consider this programme to be both challenge and opportunities for our members in promoting the advanced technology and products.

- Industry Energy Efficiency Upgrade Plan
  Energy efficiency standards and labeling will be definitely extended to the industry area beyond all doubt. In this plan the detailed implementation plan will be defined. The plan is still under development.

- Low Carbon Certification
  As the Draft of the National Certification Administration Measures for Low-Carbon Products was finished in January of 2012 by CNCA, it is most likely that Low Carbon Certification will be put into effect within 2012. EuropElectro would like to ask our members be aware of it and will notify our members of any progress in time.

Next Steps
The year of 2012 is critical for policies implementation, because plans and projects stated in the series of 12th FYP documents will be probably put into effect this year. EuropElectro will monitor and track the progress closely and keep our members posted in a timely manner.

Meanwhile, EuropElectro will continue to cooperate with local administration departments and organizations by some concrete projects. For instance, EuropElectro will cooperate with CNIS (China National Institute of Standardization), responsible of Energy Management in China, regarding the topic of Energy Efficiency in May 2012.

For common issues including incentive policies, energy efficiency labeling, open market access, etc., EuropElectro will continue to play a substantial role as always so that our members can enjoy more and continuous benefits from the Chinese market.
Industry Concern & Our WG Target

**WG Target:** How can manufacturers comply with 'China RoHS'?

- Track and influence transparency of the China RoHS compliance process, e.g. CCC process; key catalogue for CCC; voluntary certification model and organization of members to be aware of the risk earlier;
- Lobby MIIT regulators in an earlier phase to accept the ‘exclusion’ scope and ‘exemption’ allowed in the EU RoHS Directive in the China RoHS;
- Determine that the China RoHS is compatible with the EU RoHS directive;
- Continue to include our industry position in the legislation process.

EuropElectro Actions for Members in 2011

- Kept constant communication with China RoHS regulators.
- Provided the China RoHS regulators with a comprehensive introduction to the new recast EU RoHS Directive (2011/65/EU) to determine whether or not CN RoHS will be compatible with EU RoHS. MIIT adopted the EU RoHS ‘Exemption’ in CN RoHS.
- Analyzed the actual status and potential risks of State-Promoted China RoHS Voluntary Certification.
- EuropElectro experts and 2 member companies’ experts of the China RoHS WG collaborated with the MIIT standardization WG (CESI) to finalize the ‘CN-EN Vocabulary List of Frequently Used Words RoHS-Related’.
- EuropElectro China RoHS WG made contributions to facilitate the national standard draft team to adopt IEC 62474 CDV into the GB/Z 26668-2011 for material declaration as much as possible.

**Next Steps**

- Tracking on RoHS compliance model
- Monitoring the development of State-Promoted China RoHS Voluntary Certification
- Continuing work toward to our WG targets

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**6.1.3 China RoHS**

**China RoHS Development in 2011**

- **Regulation status:** The revision of the China RoHS Regulation was not completed in 2011. A draft was in the cross-approval process between 10 ministries. The 2007 version of the regulation is still valid.
- **Standards status:** Some of the GB standards for China RoHS were published in 2011.
  
  GB/T26572 Requirements for concentration limits for certain restricted substances in electrical and electronic products GB/T26125 (IEC62321IDT.) Electrical and electronic products — determination of 6 regulated substances (lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls, polybrominated diphenyl ethers)

  GB/Z 26668-2011 Material declaration for electronic and electrical products. (adopted some content of IEC 62474 CDV)

- **Certification status:** In 2011 China RoHS certification was still in its first implementation step - self declaration. There was no CCC requirement for China RoHS compliance in 2011. In 2010 the State-Promoted China RoHS Voluntary Certification was introduced.

**EuropElectro Annual Report 2011 – China Operation**
6.1.4 China WEEE

**China WEEE Development in 2011**
The Regulation on the Administration of the Recovery and Disposal of Waste Electrical and Electronic Products was promulgated and entered into force on 1 January 2011. But, because the fund management measurer is still under preparation, the China WEEE regulation has not been implemented.

In this regulation there are three supporting system established - Catalogue of waste electrical and electronic products for disposal; Qualification approval system for the disposal of waste electrical and electronic products; Creation of a fund for the disposal of waste electrical and electronic products.

**Industry Concern**
- EPR in China WEEE regulations and its contents
- Establishment of a WEEE special fund; Involvement for manufacturers in the management of the funds
- Product catalogue adjustment based on the China WEEE regulation

**Our WG Target**
The WG WEEE was set up on 25 September 2009 and the task list was reviewed on 4 August 2011. The following tasks which are based on members’ concerns were agreed on:

- Working out EuropElectro position paper on WEEE legislation as a guideline for members’ internal use
- Periodically exchanging information and organizing the WG meetings, if necessary, for detailed discussion
- Following up on the development of WEEE legislation, such as on fund establishment, the fee levying standards, product catalogue adjustment, etc.
- Cooperating with other foreign associations on topics of common interest concerning WEEE legislation

**EuropElectro Actions for Members in 2011**
- Continuing to track the development of the fund levying mechanism; obtained the 4th draft version of the funding management measures through our network resources and delivered it to all members for comments
- Maintained our membership in related TCs and promoted the European electrical and electronics industry position

**Next Steps**
- Monitoring funding management measures
- Monitoring on future adjustment of product catalogue
6.2 EE LV ED - EuropElectro Low Voltage Electrical Distribution Initiative

Highlights in 2011
In order to increase our promotion of the adoption of the IEC standards of IEC/TC64 in the Chinese low-voltage distribution field, the EuropElectro LV ED Initiative cooperated closely with SAC/TC205 and realized several achievements.

In 2011, EuropElectro LV ED Initiative participated in the organization of the 2011 IEC/TC64 General Meeting held in Beijing, initiated the IEC/TC64 Technology and Standardization Forum and followed up on GB50054 modification work to adopt the IEC60364 standards.

On 11-12 May the 2011 IEC/TC64 Plenary Meeting took place in Beijing. It was hosted by China IEC/TC64 – SAC/TC205. As a significant partner for China IEC/TC64, EuropElectro participated in the organization of the Plenary Meeting. Taking advantage of the opportunity of having international experts that were participating in the IEC/TC64 Plenary Meeting in Beijing, EuropElectro initiated and, jointly with the SAC/TC205 organized the IEC/TC64 Standards and Technology Forum on 13 May 2011 in Beijing. About 300 experts, such as management and electrical engineers in the building electrical installation design area from related industry design institutes, MoHURD construction design institutes and manufactures participated in this forum. The aim of the forum was to promote the application of the IEC 60364 series standards in China building electricity installations design and to offer a rare opportunity for direct communication between Chinese and international experts. The five member companies of the EuropElectro LV ED Initiative - ABB, Hager, Legrand, Schneider and Siemens - contributed significantly to the success of the forum.

After five years, at the end of 2011 the LV ED Initiative officially came to an end with EuropElectro.
7. EuropElectro Steering Structure

Decides on:
- strategies
- new general tasks
- nomination of board members

Executes with EE office:
- setting the tasks and priorities
- assists EE office in representation of industry interests

General Assembly

Version: As agreed at GA
7.1 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

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

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

**Peter Pang**
CEO
BOSCH China

**Xu Wang**
Head of office
EuropElectro

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

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

**Wu Kenny**
Chief Representative /General Manager
Rohde & Schwarz China Limited

**Noel Girard**
Vice President
Schneider Electric

**Thomas Koch**
CTO of BSH China
Bosch Simens Home Appliances Sales Co., Ltd.

**N.N**
Siemens Limited China
European Electrical and Electronics Industry
In Cooperation with: ZVEI, Frankfurt • ORGALIME, Brussels