Contents

I Electrical Appliances Safety Management Systems

II Korea-EU Free Trade Agreement: Main Contents and Current Status
Electrical Appliances Safety Management Systems

1. Electrical Appliances Safety Control Act
2. Comparison of Three Safety Management Systems
3. Safety Certification System
4. Self-Regulatory Safety Confirmation System
5. Supplier’s Confirmation of Conformity
6. Safety Certification Bodies
To protect consumers from hazards and accidents such as a fire, an electric shock and injury.

1. Electrical Appliances Safety Control Act (Established in 1974)

Scope:

148 electrical appliances designated for use with a rated voltage between 50V and 1000V for alternating current (AC) and with DC adapters.
Three safety management systems in order to change regulatory management system gradually into self-regulatory system which makes manufacturers have responsibility on their products

1. Safety Certification System
2. Self-Regulatory Safety System
3. Supplier's Confirmation of Conformity
## 2. Comparison of Three Safety Management Systems

<table>
<thead>
<tr>
<th>Product Testing</th>
<th>Safety Certification</th>
<th>Self-Regulatory Safety Confirmation</th>
<th>Supplier’s Confirmation of Conformity</th>
</tr>
</thead>
<tbody>
<tr>
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<td>○</td>
<td>○</td>
<td>Manufacturers or Importers do by themselves</td>
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<table>
<thead>
<tr>
<th>Factory Inspection</th>
<th>Safety Certification</th>
<th>Self-Regulatory Safety Confirmation</th>
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<tbody>
<tr>
<td>Production Facilities</td>
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<td>×</td>
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<tr>
<td>Product Testing Equipment</td>
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<tr>
<td>Technical Capability</td>
<td>○</td>
<td>×</td>
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<tr>
<td>Manufacturing Process</td>
<td>○</td>
<td>×</td>
</tr>
<tr>
<td>Issuance</td>
<td>Safety Certificate</td>
<td>Registration Confirmation Letter</td>
</tr>
<tr>
<td>Routine Inspection (Product Verification Testing + Factory Inspection)</td>
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</table>
3. Safety Certification System (As of 2000.7.1)

- Assure the safety of products with product testing and factory inspection to verify the capability of manufacturers to consistently produce safety products (Issue a Safety Certificate)

- Conduct routine inspection (product verification testing + factory inspection) at least once a year to check status of maintenance in the safety of electrical appliances

※ Applied to 53 items of electrical appliances including electric fans, copiers and others

The Number of Fires started by electrical appliances subject to the safety certification (2010)

1. Electric Heaters: 252
2. Electric Mattresses: 218
3. Electric Fans: 216
4. Refrigerators: 170

※ Provided by NEMA (National Emergency Management Agency)
4. Self-Regulatory Safety Confirmation System (As of 2009.01.01)

- Conduct only product testing to ensure safety (Issue A Registration Confirmation Letter)

- Exempt from the initial factory inspection and the routine inspection procedures applied to the Safety Certification system

  ➔ Validity Period of Registration for the Self-Regulatory Safety Confirmation: 5 years

※ Applied to 93 items of electrical appliances including television and intelligence devices

※ Plan to add chargers for electric cars and lithium-ion batteries in this scope (The Act and Enforcement Decree and Enforcement Rule of the Act are currently under revision.)

The Number of Fires started by electrical appliances subject to the self-regulatory safety confirmation (2010)

1. Televisions: 121
2. Hot–Cool Water Dispenser/ Water Purifiers: 86
3. Electric Fumigators: 2

※ Provided by NEMA (National Emergency Management Agency)
5. Supplier’s Confirmation of Conformity (January 2012)

- Manufacturers or importers are responsible to check and maintain the safety of their products.
- Keep all relevant documents including the following documents to verify the product safety for 5 years after the manufacture of the last product:
  - Product Description (including photographs)
  - Test Report
  - Certificate of Conformity (CoC) (To be determined)

※ Applied to 33 items of electrical appliances including scanners and video cameras

Procedure for Supplier’s Confirmation of Conformity

- Conduct the product testing to verify whether the appliances comply with the safety standards for the SCoC
  * Possible to ask a third party to conduct product testing
5-1. Electrical Appliances subject to the Supplier’s Confirmation of Conformity

33 electrical appliances are designated as the products subject to the supplier’s confirmation of conformity among the products subject to the self-regulatory safety confirmation

**Electrical Appliances subject to the Supplier’s Confirmation of Conformity (33 items)**

1. Cables and cords: NONE
2. Switches for electrical appliances: NONE
3. Capacitors: NONE
4. Installation Accessories: NONE
5. Installation protective equipment: NONE
6. Insulating Transformer: NONE
7. Household & similar equipment: NONE
8. Portable tools: NONE
9. Audio/video: 20 items including CCTV cameras
10. IT and Office equipment: 11 items including scanners
11. Lighting: NONE
12. Electrical Appliances with DC adapters: 2 items including air purifiers
6. Safety Certification Bodies

<table>
<thead>
<tr>
<th>Name</th>
<th>Web Site</th>
<th>Location</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Korea Testing Certification</td>
<td><a href="http://www.ktc.re.kr">www.ktc.re.kr</a></td>
<td>Keumjung-Dong, Kumpo-City, Kyungki-Do</td>
<td>+82-31-455-7654</td>
</tr>
<tr>
<td>Korea Testing Laboratory</td>
<td><a href="http://www.ktl.re.kr">www.ktl.re.kr</a></td>
<td>Guro-3Dong, Guro-Gu, Seoul</td>
<td>+82-2-860-1366</td>
</tr>
<tr>
<td>Korea Testing &amp; Research Institute</td>
<td><a href="http://www.ktr.or.kr">www.ktr.or.kr</a></td>
<td>Yangji-Myuon, Cheoin-Gu, Yongin-Si, Gyeonggi-Do</td>
<td>+82-31-679-9663</td>
</tr>
</tbody>
</table>

* The safety certification bodies can conclude MOUs for mutual recognitions of test results with other international certification bodies
Korea-EU Free Trade Agreement: Main Contents and Current Status

1. Conformity Assessment Procedure
2. Introduction and Expansion of the SDoC System
3. Summary of Conformity Assessment Procedure
4. Emergency Measures and Cooperation
1. Conformity Assessment Procedure

It was agreed between two Parties that the European Union implements the SDoC system and Korea complies with conformity assessment procedure simplified for the covered products.

During Transitional Period

- Korean safety certification bodies issue a safety certificate after verifying product conformity with our relevant regulations
- **Covered Products:** 148 items (all products subject to the current safety management systems)
- **Accept test reports issued by:**
  - Testing laboratories in EU that have concluded voluntary arrangements for mutual acceptance of test reports with one or more safety certification bodies
  - EU CB test laboratory under the IECEE CB Scheme

After Transitional Period

- Korean safety certification bodies issue a safety certificate after verifying product conformity with our relevant regulations
  - **Covered products:** 53 items
  - Risk assessment will be conducted for covered products every three years
- Korean safety certification bodies issue a registration confirmation letter after reviewing test reports issued by below laboratories
  - **Covered products:** the other products except 53 items
- **Accept test reports issued by:**
  - Testing laboratories in EU that have concluded voluntary arrangements for mutual acceptance of test reports with one or more safety certification bodies
  - EU CB test laboratory under the IECEE CB Scheme

Introduction of Self-Regulatory Safety Confirmation System

- Revised the Electrical Appliances Safety Control Act and Enforcement Decree and Enforcement Rule of the Act(2008.12.31)
2. Introduction and Expansion of the SDoC System

According to the FTA

**Within 5 years after the entry into force**

**Introduction of SDoC**

Every 5 years following the introduction of SDoC, the Parties review the possibility of gradually eliminating technical and administrative requirements through expanding the introduction of SDoC (Article 5.2)

**Current Status**

- **Introduction of Supplier’s Confirmation of Conformity**
  - Revised the Electrical Appliances Safety Control Act and Enforcement Decree and Enforcement Rule of the Act(2009.12.31)
### 3. Summary of Conformity Assessment Procedure

<table>
<thead>
<tr>
<th>Country</th>
<th>During Transitional Period</th>
<th>After Transitional Period</th>
<th>NOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU</td>
<td>SDoC</td>
<td>SDoC</td>
<td>All Electrical Appliances are covered</td>
</tr>
<tr>
<td>Rep. of Korea</td>
<td>Safety Certification System (148 items)</td>
<td>Self-Regulatory Safety Confirmation System (95 items)</td>
<td>Introduction of SDoC within 5 years after the entry into force and, after it, review the expansion of the introduction of SDoC every 5 years</td>
</tr>
</tbody>
</table>
4. Emergency Measures and Cooperation

- If a Party has good cause to believe that a covered product creates risk for human health and safety, notably because it does not comply with requirements applicable to it, the Party may require withdrawal of that product from its market. (Article 6.2)
  * Introduction of Framework Act on Product Safety (As of February 05, 2011)

- Either Party may introduce requirements for mandatory third party testing or certification for safety of covered products, or introduce administrative procedures for approving or reviewing test reports for covered products for purposes of
  - the protection of human health and safety,
  - introducing substantiated technical or scientific information regarding the performance of the products,
  - introducing any requirements or procedures which are not trade-restrictive and the Party could not have reasonably foreseen the need for introducing any requirements or procedures at the time of entry into force of the Agreement. (Article 6.1)
  * Once adopted, any requirement or procedure introduced shall be reviewed every third year from the date of its adoption and repealed if the reasons for its introduction no longer exist.

When amending existing technical regulations or developing any new technical regulation for safety of covered products, a Party shall notify the other Party in advance, provide, upon request, additional available information or written responses to the comments made by the other Party and, as appropriate, consider the other Party’s views. (Article 7.4)
Thank you