Calsonic Kansei Green Procurement Guideline

Version 7

Oct. 2014

Calsonic Kansei Corp.
# Revisions

<table>
<thead>
<tr>
<th>Version</th>
<th>Date</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>New</td>
<td>11. 2002</td>
<td>First version</td>
</tr>
</tbody>
</table>
| 1       | 4.15. 2004 | a) Add chemical substances to be managed and edit management level  
          |                                                      | b) Submit CK Green Purchasing Agreement  
          |                                                      | c) Set the rules of how to report IMDS             |
| 2       | 5.15. 2006 | a) Eliminate management chemical substances and change management level of chemical substances due to passed expiration date which is set by EUELV instruction exemption item  
          |                                                      | b) Categorize contents of controlled chemical substances in a product and use of the substances in manufacturing process  
          |                                                      | c) Compliance of report via IMDS                   |
| 3       | 9.30. 2007 | a) Eliminate management chemical substances and change management level of chemical substances due to passed expiration date which is set by EUELV instruction exemption item  
          |                                                      | b) Submission of data related to LCA               |
| 4       | 7.4. 2008  | a) Abolish the attached controlled chemical substances list for management  
          |                                                      | b) Change the name: Green Purchasing ⇒ Green Procurement  
          |                                                      | c) Addition of request about REACH                 |
| 5       | 3.9. 2012  | a) Revision of strict compliance with the restriction of substance management                                                           |
| 6       | 5.31. 2013 | a) Change of management of environment-impacting substances  
          |                                                      | b) Addition of environmental data research         |
|         |            | c) Addition of recycled material report categories                                                                                 |
| 7       | 10.6.2014  | a) Eliminate E-file  
          |                                                      | b) Change of IMDS IS                              |

Calsonic Kansei Green Procurement Guideline

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1. Introduction

Calsonic Kansei (CK) has promoted quality control and substance management in cooperation with our entire supply chain of automobile component parts and materials, by sharing the value of CK’s procurement policy and environmental philosophy. CK ensures proper management of substances by suppliers for parts and materials through their compliance with CK-QASS “Quality Control Standard for Suppliers,” as well as with “Calsonic Kansei Green Procurement Guidelines,” “Chemical Substance Restriction,” of CK Engineering Standard.

In 2011, CK launched “Calsonic Kansei Green Program 2016,” a mid-term environmental action plan. Based on the program’s policy, CK has revised this CK Green Procurement Guideline with a view to better communication with our supply partners and proper risk management.

The requirements described in this Guideline are key factors when CK establishes a sustainable mobility society and sustainable corporate management. It is prerequisite that we positively reinforce substance management as well as developing new technology to lower the vehicle’s environmental impact, which cannot be accomplished without the cooperation of every single supplier around the world who provides parts and material to CK. The environmental management is important to be enhanced in global supply chain as the global environment is getting severe.

Together with partners, CK will continue to conduct due diligence in reducing environmental impacts of our products, while developing products and offering a service that will give full satisfaction to our customers.
This guideline applies to all automobile materials, parts, products, sub-materials and packaging materials that are to be delivered to CK.

CK appreciates all partners’ understanding on CK’s environmental efforts, as well as their cooperation in promoting CK’s environmental activities through this Guideline.

2. Revised Main Points of CK Green Procurement Guideline

Contents below which were revised in May, 2013 have been deleted for ver.7.

a) Management of environment-impacting substances (Expand the target substance and area / Implement new process complied with Regulations.)
   • Environment requirements added to Request For Quotation, or RFQ as of sourcing will be effective in 2013 as E-File.

3. Environmental Policy

Environmental policy is a foundation of CK environmental action plan, established CK’s environmental philosophy, policy and strategy. CK works systematically to accommodate environmental conservation.

a) Environmental Philosophy

CK seeks to contribute to establish a comfortable natural environment through returning to the starting point of nature and an enriched society with environmental conservation through intellectual innovation by integrating new technologies.

b) Environmental Policy

“CK seeks to contribute to develop an enriched society through effort to keep environmental conservation in all phases of activities”

c) Environmental Strategy
i. Establishing a system to promote environmental conservation activity
ii. Improving Environmental Management System continuously
iii. Complying environmental regulation
iv. Implement environmental audit
v. Saving resources and energy, reducing waste and improving recycling
vi. Managing chemical substances (Reducing, discontinuing)
vii. Developing environmental friendly products
viii. Promoting rationalized logistic
ix. Leveling environmental conservation in headquarters and overseas regions
x. Disclosing environmental information in a positive manner

Key Issues of Environmental Conservation Activity

- Reducing CO2 emissions/Sifting to renewable energies
- Resource recycling
- Protecting air, water, soil and biodiversity

4. Requirements

All suppliers are required to work on following environmental activities:

a) Establishment and use of an Environmental Management System
b) Management of environment-impacting substances
c) Resource Circulation
d) Management of environmental impacts through life cycle

a) Establishment and Use of an Environmental Management System

All business partners of CK are required to promote the establishment and use of an Environmental Management System

i. Compliance with Regulations and CK Environmental Basic Policies
CK suppliers are required to comply with all applicable laws related to their business activities as well as requirements set out in CK Engineering Standard (CKES KM0003) and other related publications.

ii. Submission of Agreement and Designation of an Environmental Responsible Person [Appendix 1]

CK suppliers are required to agree and submit “Agreement and Designation of an Environmental Responsible Person” to CK Purchasing Division. After a supplier designates an environmental responsible person (*1), CK will communicate through this person about the environmental activities in order to promote the environmental activities with the partners. Please submit it to CK PD.

(*1) An environmental responsible person: A person either responsible for environment-impacting substance delivered to CK, or for suppliers’ green procurement activity or in charge of the Environmental Management System, such as ISO 14001 is suitable to be the environmental responsible person.

iii. Status Report for Establishment of Environmental Management System (EMS) [Appendix 2] or [Appendix 3]

CK suppliers are required to submit the establishment status of Environmental Management System (EMS) such as ISO14001 or any system equivalent to ISO14001, as well as to establish their own EMS.

- Suppliers who have an EMS other than ISO14001 are requested to continue to develop and update the system.
- Suppliers who have no system are required to establish one immediately. Please submit a Self-diagnosis Report on Environment Management System [Appendix 3].
iv. Submission and Designation of a Responsible Person for Environment-impacting Substances, IMDS reporter [Appendix 4], [Appendix 5]

Similarly, CK suppliers are required to designate and submit an IMDS reporter as well as a sub-IMDS reporter who will responsibly complete material data inputs to the IMDS by specified date in responding to a request from CK [Appendix 5]. CK suppliers are required to submit Self-check Sheet of Management System for Chemical Substances [Appendix 4].

v. Response to a Request for the Supplier Environmental Data

CK globally conducts “The Supplier Environmental Data Survey” to suppliers for the purpose to ascertain their present situations of environmental management and environmental efforts, as well as to promote their environmental activities.”

CK suppliers are required to provide CK with their data concerning the major items of the environmental management such as CO2, energies, water and industrial waste.

CK will, in cooperation with our entire suppliers, further utilize the collected environmental data and promote environmental efforts to reduce the environmental impact posed by our supply chain.

vi. Tier -2, -3 and Beyond Suppliers’ Management

Tier-1 suppliers are responsible for Tier-2, -3 and beyond upstream supplier management. That is CK seeks assurance from Tier-1 suppliers who have concluded a direct contract with CK that practices of their upstream suppliers meet CK standards.
vii. Supplier Audits for Environment-impacting Substances

CK may, as needed, conduct an audit to check the status of our supplier’s management systems, particularly regarding the environment-impacting substances.

b) Management of Environment-impacting Substances
   ~Compliance with Regulations and CK Engineering Standards~

i. Elimination, Reduction and Management of Environment-impacting Substances under regulations and CK Engineering Standards

CK promotes the management of environment-impacting substances and recycling, preceding with all regulations around the world. CK has standardized chemical substances prohibited or restricted to use for parts, and materials that are to be delivered to CK, which are listed in CK Engineering Standards “Restricted Use of Substances” (CKES KM0003). The CKES KM0003 was crafted referring to GADSL (*2), Japanese Art on the Evaluation of Chemical Substance and Regulation of Their Manufacture, etc., CK suppliers are required to deliver products and materials compliant to regulations of each country and CK Engineering Standard.

Please be aware that CKES KM0003 will be updated in order to reflect the latest environmental regulations, requirements and policy changes. CK Suppliers are encouraged to consult the latest edition of CK Engineering Standard for compliance. Furthermore, suppliers are required to report the research result of environment-impacting substances that must be eliminated or reduced. CK expects our suppliers’ full compliance and will greatly appreciate their co-operations.

In addition, the latest CAES KM0003 will be delivered to CK suppliers at the time of Standards updating (application procedure has been abolished)
Calsonic Kansei Green Procurement Guideline

(*)2 GADSL (Global Automotive Declarable Substance List)
URL: http://www.gadsl.org/

- Calsonic Kansei Global Policy
  CK published the CK Global Policy to establish a structural approach towards the elimination and reduction of four heavy metals from CK products. It requires complete elimination of specified substances from new vehicles which were introduced into the global market after July, 2007.

  With a view to enhance control over environment-impacting substance, CK Global Policy will be reviewed as needed. Upon introduction of the latest policy application, a phase-in approach from new model vehicles whose parts sourced after this revision will be taken. The applicable substances are listed in CK Engineering Standard.

- Substance Management under EU REACH
  The current trend of chemical substance regulation focuses on risk assessment and management as well as restriction and reduction considering hazardous properties.

  Registration, Evaluation, Authorization and Restriction of Chemical substances (REACH), one of such regulations, entered into force in 2007 in Europe (EC No 1907/2006). REACH is the European community regulation on chemicals and their safe use.

  The REACH clearly describes the responsibility of manufacturer and importer in respect of managing the risks from substances and obliges supply chains to provide their manufacturers and importers with information on the substances.

  Manufacturers and importers of substances have a duty to register, for each legal entity, substances on their own, or in mixtures that they
produce or import in quantities over one ton per year. Please visit the URLs below to find detailed guidelines common in the automotive and auto parts industries.

In addition, the European Chemicals Agency (ECHA) provides Candidate List of Substances of Very High Concern (SVHC) for Authorization that lists substances that may have serious and often irreversible effects on human health or the environment (visit the URL below for the list). The candidate list is reviewed and updated twice annually and CK suppliers are required to reflect any changes on their management systems.

http://echa.europa.eu/web/guest/candidate-list-table

The common understanding and policies as automobile and auto parts industries in regard to respective requirements of REACH are described in the guidelines accessible via the following links:

http://www.japia.or.jp/info/reach3.1Japanese.pdf
http://www.acea.be

- If update of IMDS or JAMA (*3) is necessary due to disclosure of a candidate list of SVHC, identification of new SVHC substance in non-disclosure, all suppliers are required to submit data sheet.

(*3) JAMA sheet: A data sheet of JAMA/JAPIA is used for Japan Auto Parts Industries Association to list products with environment-impacting substances

- Regulations associated with safety verification on delivery and transportation

A completed SDS (Safety Data Sheet) must be accompanied by parts
on delivery if required by the following laws and regulations (*4). EU REACH also requires submission of SDS (Safety Data Sheet) for safety verification of the substances contained in the raw materials, parts, and products.

(*4) Laws and Regulations:
- Act on confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management There of (PRTR)
- Industrial Safety and Health Act
- EU 2001/58/EC (Safety Data Sheet Directive)
- Occupational Safety and Health Act (OSHA)
- International Civil Aviation Organization (ICAO)
- International Air Transport Association (IATA)
- And other related laws and regulations

As for other countries and regions, please comply with requirements set out in CK Engineering Standard “Restricted Use of Substances” (KM-0003).

ii. Report on Use of Environment-impacting Substances and Substances of Very High Concern (SVHC) of Products under Development

CK suppliers are requested to report their use of the environment-impacting substances in all parts and materials that are to be delivered to CK, in accordance with the relevant regulations and CK Engineering Standards.

Particularly based on the REACH, CK suppliers who supply parts, materials, preparation (mixtures), subsidiary materials and packaging materials to CK are required to identify that CK articles/products are free from the Substances of Very High Concern on the ECHA’S Candidate List,
stated in ‘● Substance Management under EU REACH (Page 10)’ of this section, and their concentration do not exceed the regulated amount. If the SVHC present in the article at a concentration above 0.1% weight by weight (w/w), the applicable supplier is required to communicate information, such as CAS number and concentration rate, on the SVHC in his articles to CK using IMDS or other designated methods.

CK suppliers are required to notify CK’s Purchasing Division, without exception, of any changes on the use of environment-impacting substances arisen due to alteration of part materials and/or raw materials that our suppliers use for their products, in accordance with this guideline.

**Designated Areas**

Global

- Parts and Raw Materials

**Investigation Contents and How to Report**

CK suppliers are required to report environment-impacting substances via IMDS in accordance with provided specification or drawings within one month as a general rule after drawing release. Please refer “IMDS Guideline” for details of how to input IMDS. Also, if drawings of parts are released before REACH is effective, CK suppliers may be requested by design technical sheet to input data. Suppliers, which cannot use IMDS sheet, are required to report via JAMA.

**How to Report**

CK suppliers are required to submit the designated data via IMDS. Please refer to ‘IMDS Guideline’ for details of how to input IMDS.

IMDS ID number must be accompanied with an inspection report about
parts on delivery. Both are required on delivery of the trial parts of every trial lots, on delivery of the first parts from first time mass production line, and on delivery of design changed parts from first time mass production line after the change.

CK suppliers are required to follow the specific directions set out in the Design Engineering Notice for the individual request made with the notification form.

- CK conducts random inspections on the parts and raw materials delivered to CK and research the content of environmental-impacting substances. Depending on the inspection result and/or status of their existing/submitted IMDS data, CK suppliers may individually be required to submit additional substance data as well as being audited of their production process and being checked on their substance management.
Responsibility of Input in IMDS Data Sheet

<table>
<thead>
<tr>
<th>Type of Sourcing</th>
<th>Purchase of material</th>
<th>Material Direction</th>
<th>How to Request to Input</th>
<th>Responsibility Supplier</th>
<th>CK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design Supplier</td>
<td>Purchase oneself</td>
<td>-</td>
<td>Specification</td>
<td>○</td>
<td>×</td>
</tr>
<tr>
<td></td>
<td>CK supply</td>
<td>-</td>
<td>(Requesting proposal drawing ) or Design technical report</td>
<td>○ (Create IMDS except imposed material)</td>
<td>※</td>
</tr>
<tr>
<td>Product Supplier</td>
<td>Purchase oneself</td>
<td>Only materials that are specified (e.g. PP)</td>
<td>Drawing or Design technical report</td>
<td>○</td>
<td>×</td>
</tr>
<tr>
<td></td>
<td>CK supply</td>
<td>Materials, manufacturer, and the grade that are specified</td>
<td></td>
<td>Δ</td>
<td>○</td>
</tr>
</tbody>
</table>

Note:
Please exclude CK supply and imposed parts.

○: Input IMDS
Δ: May request information, such as weight
×: Not required to input IMDS
※: CK will register if imposed materials are included
<Table 2>

Flow of IMDS Request to Suppliers

<table>
<thead>
<tr>
<th>CK R&amp;D</th>
<th>CK PD</th>
<th>Supplier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Create target part number or material list</td>
<td>Obtain agreement for IMDS submission</td>
<td>Create a reply</td>
</tr>
<tr>
<td>Check contents</td>
<td>Request by submitting part number or name of material (Submit spec., drawing, or technical note)</td>
<td>Send MDS/JAMA to CK * Please put CK ID in IMDS: 149849 (*)&lt;JAMA&gt; <a href="mailto:mds@ck-mail.com">mds@ck-mail.com</a></td>
</tr>
<tr>
<td>Request revision (within 2 weeks)</td>
<td>You will receive a reminder if submission is delayed</td>
<td>Revise (Reply within 2 weeks)</td>
</tr>
</tbody>
</table>

(*) Organization ID will be updated to 149849 from 3rd Nov, 2014.
In accordance with this update, the old company ID: 14523 will be ineffective from 31st Oct.

- Raw Materials and Subsidiary Materials for Factories

Scope

All chemical substances that are to be used:

- As raw materials (e.g. article and plastic materials, metal materials, paints, adhesive materials, toner, ink, and fillers) and parts (e.g. batteries) for new designs, as well as existing products and those under development.
- As indirect materials (ex. ink for paint maker pens used at factories)
- At factories and/or other business facilities
Deliverable

SDS (Safety Data Sheet) for substances contained in the specified raw materials and parts

How to Report

Every time a new contract is planned and an individual request is made, target suppliers are required to submit the SDS of delivered raw materials and parts

- Service Parts

Scope

- Service parts for old model vehicles out-of warranty
- Some exclusive service parts without distinction as to existing or old model vehicles as well as within or out-of warranty.

Note: “Existing vehicles” and “Parts for old model vehicles within warranty” follow the same rules as mass production parts.

CK suppliers are required to report environment-impacting substances via IMDS in accordance with provided specification or drawings within one month as a general rule after drawing release. Please refer “IMDS Guideline” for details of how to input IMDS. Also, if drawings of parts are released before REACH is effective, CK suppliers may be requested by design technical sheet to input data. Suppliers, which cannot use IMDS sheet, are required to report via JAMA.

How to Report

CK suppliers are required to submit the designated data via IMDS. Please
refer to ‘IMDS Guideline’ for details of how to input IMDS.

The IMDS ID numbers must be accompanied with an inspection report on delivery. Both are required on delivery of the trail parts of every trial lot, on delivery of the first parts from first time mass production line, and on delivery of design changed parts from first time mass production line after the change.
CK suppliers are required to follow the specific direction in the Design Engineering Notice for the individual request made with the design notification form.

- Packaging Materials for Logistics

Scope

Packaging materials for newly designed parts. CK suppliers may also be requested to submit substance data on the packaging materials after the mass production of those parts.

Requirements

CK defined in CK Engineering Standard “Restricted Use of Substances” (CAES KM0003) the environment-impacting substances that are prohibited or restricted to use for CK products. CK will designate the packaging materials that need to be researched and reported by our suppliers.

How to Report

Please report the research results to CK by submitting a designated form(s).
### Table 3: Requirements and Scope for Products and Materials Management

**CK: Calsonic Kansei**

○: All suppliers / △ Applicable suppliers (To be advised by CK)

<table>
<thead>
<tr>
<th>Requirement Items</th>
<th>Target Parts / Materials</th>
<th>Target Parts / Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compliance with Regulations of Each country and CK Standards</td>
<td>Target</td>
<td>○</td>
</tr>
<tr>
<td></td>
<td>Standard</td>
<td>CAES KM0003</td>
</tr>
<tr>
<td>Report on the Use of environment-impacting Substances</td>
<td>Target</td>
<td>○</td>
</tr>
<tr>
<td></td>
<td>Timing</td>
<td>At delivering trial/mass production parts</td>
</tr>
<tr>
<td></td>
<td></td>
<td>At delivering initial product after change</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Upon individual request</td>
</tr>
<tr>
<td></td>
<td>Form</td>
<td>IMDS</td>
</tr>
<tr>
<td></td>
<td>Tool</td>
<td>IMDS</td>
</tr>
<tr>
<td>Submit Parts for Analysis and Inspection</td>
<td>Target</td>
<td>△</td>
</tr>
<tr>
<td></td>
<td>Timing</td>
<td>At delivering trial/mass production parts</td>
</tr>
</tbody>
</table>
### Process Assessment by CK

<table>
<thead>
<tr>
<th>Target</th>
<th>△</th>
<th>-</th>
<th>△</th>
<th>-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Timing</td>
<td>Upon individual request</td>
<td>-</td>
<td>Upon individual request</td>
<td>-</td>
</tr>
</tbody>
</table>

*1 Raw Material: Steel sheets, Steel product, AL

*2 Indirect Materials: Materials that do not produce actual products, such as: paints, adhesives, oils, and so on. This is same as indirect materials used at a production plant.

*3 service Parts: Stocks, oil chemical products, and so on

### c) Resource Circulation

#### i. Recycled Material Usage Expansion

CK facilitates its Closed-loop recycling, a method of recycling collected end-of-life products and use them as material in the same type of products, as one of our major future developments. With this method, we aim to minimize the negative environmental impacts of mining new mineral resources. We seek continuous assurance from our suppliers that they:

- turn parts remnants generated during production into recycled parts; and
- turn materials processed from finished part scrap into recycled parts.

CK suppliers are required to report their recycling status of target parts via RFQ technical file.

#### ii. Requests for Recycling Legislations

- Report on Materials Used and Weight

To comply with recycling legislations of different countries, CK is working on grasping the full extent of recyclability of each model. CK works out recycling/recovery rates of new vehicles and generates base data
for the calculation of recycling fees. To accomplish these suppliers are required to provide CK with their material composition data (e.g. precise data for material and weight).

**Designated Areas**

Global (CK will designate target countries and regions)

**Requirements**

Information of all materials used and weight of the target parts that CK designated.

**How to Report**

CK suppliers are required to submit the designated data via IMDS. Please refer to ‘IMDS Guideline’ for details of how to input IMDS.

- Report on Use of Recycling Materials

  CK has been actively facilitating the use of recycled materials and leading the area of material recycling. CK suppliers are required to submit information about their use of recycled materials.

**Designated Areas**

Global (CK will designate target countries and regions.)

**Requirements**

When requested, CK suppliers are required to notify CK of the kind, weight and ratio of their post-/pre-consumer materials is defined in ISO14021 as follows:
➢ Post-consumer material: Material generated by households or by commercial, industrial and institutional facilities in their role as end-users of the product which can no longer be used for its intended purpose. This includes returns of material from the distribution chain.

➢ Pre-consumer material: Material derived from waste stream during a manufacturing process, excluding materials generated from rework, regrind or scrap and reclaimable into the same manufacturing process.

How to Report

CK suppliers are required to submit the designated data via IMDS. Please refer to “IMDS Guideline” for details of how to input IMDS.
Report on Marking of Products and Parts

CK has been implementing material marking to the parts containing plastics and elastomers for promoting material recycling.

Polymer components and materials having a weight more than 100 grams and elastomers components and materials having a weight more than 200 grams must be marked in accordance with the recycling legislations in EU.

Requirements

The marking requirements are set out in CK Engineering Standard “Identification and Marking of Polymeric Parts” (CAES T0013). CK suppliers are required to report about the identification and marking status of their plastic parts and elastomers parts that are designated by CK.

How to Report

CK suppliers are required to submit the data via IMDS. Please refer to “IMDS Guideline” for details of how to input IMDS.
<Table 4>

### Requirements and Scope for Recycling

**CK**: Calsonic Kansei  
○: All suppliers  △: Applicable Suppliers (To be advised by CK)  

<table>
<thead>
<tr>
<th>Requirement Items</th>
<th>Target Parts / Materials</th>
<th>Raw Materials *1</th>
<th>Indirect Materials *2</th>
<th>Service Parts *3</th>
<th>Logistics Packaging Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Report on Materials Used and Weight</td>
<td>Target</td>
<td>○</td>
<td>○</td>
<td>△</td>
<td>-</td>
</tr>
<tr>
<td>Timing</td>
<td>At delivering trial/mass production parts</td>
<td>At delivering trial/mass production parts</td>
<td>-</td>
<td>Upon individual request</td>
<td>-</td>
</tr>
<tr>
<td>Form/Tool</td>
<td>IMDS</td>
<td>IMDS</td>
<td>IMDS/JAMA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Report on Recycling Materials</td>
<td>Target</td>
<td>○</td>
<td>○</td>
<td>-</td>
<td>△</td>
</tr>
<tr>
<td>Timing</td>
<td>At delivering trial/mass production parts</td>
<td>At delivering trial/mass production parts</td>
<td>-</td>
<td>Upon individual request</td>
<td>-</td>
</tr>
<tr>
<td>Form/Tool</td>
<td>IMDS</td>
<td>IMDS</td>
<td>IMDS/JAMA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Report on Products and Parts Label</td>
<td>Target</td>
<td>○</td>
<td>-</td>
<td>-</td>
<td>△</td>
</tr>
<tr>
<td>Timing</td>
<td>At delivering trial/mass production parts</td>
<td>-</td>
<td>-</td>
<td>Upon individual request</td>
<td>-</td>
</tr>
<tr>
<td>Form/Tool</td>
<td>IMDS</td>
<td>-</td>
<td>-</td>
<td>IMDS/JAMA</td>
<td>-</td>
</tr>
</tbody>
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*1 Raw Materials: Steel sheets, steel product, AL  
*2 Indirect Materials: Materials that do not produce actual products, such as: paints, adhesives, oils, and so on. This is same as indirect materials used at a production plant.  
*3 Service Parts: Stocks, oil chemical products, and so on

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**Management of Environmental Impacts through Life Cycle**

1. Submission of Life Cycle Assessment Data for Product Evaluation

CK carries out quantitative assessment on environmental impact in all stages of the vehicle lifecycle from resource extraction to vehicle disposal, instead of merely from operational emission. CK will continue to work on lowering the vehicle’s environmental impact by developing new technology and improving efficiency in manufacturing process. As a method of assessing the environment impact, CK uses Life Cycle Assessment (LCA: a method of measuring the environmental performance...
of products from cradle to grave). CK relies on collaboration with our suppliers to collect necessary data.

CK suppliers may be contacted to ascertain detail of the submitted data survey sheet (e.g. calculation methods).

**Designated Area**

Global (It starts from Japan, and then will expand globally)

**Deliverable**

Designated data on CO2 emitted during the production process of materials or parts

**How to Report**

Environmental data survey sheet of materials and parts (will be provided by CK)

<Table 5 >

<table>
<thead>
<tr>
<th>Requirements and Scope for LCA</th>
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<tbody>
<tr>
<td>CK: Calsonic Kansei</td>
</tr>
<tr>
<td>○: All suppliers</td>
</tr>
<tr>
<td>△: Applicable suppliers (To be advised by CK)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Requirement Items</th>
<th>Target Parts/ Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Parts</td>
</tr>
<tr>
<td>Submit the Life Cycle Assessment Data</td>
<td>Target</td>
</tr>
<tr>
<td>Timing</td>
<td>Upon individual request</td>
</tr>
<tr>
<td>Form/Tool</td>
<td>Specialized sheet</td>
</tr>
</tbody>
</table>

*1 Raw Materials: Steel sheets, steel product, AL.
*2 Indirect Materials: Materials that do not produce actual products, such as: paints, adhesives, oils, and so on. This is same as indirect materials used at a production plant.
*3 Service Parts: Stocks, oil chemical products, and so on
5. Attachments

a) Agreement and Designation of an Environmental Responsible Person
   i. Agreement of Green Guideline and Designation of an Environmental Responsible Person [Appendix 1]

b) Self-diagnosis Report on Environment Management System
   i. Establishment of Environmental Management System [Appendix 2]
   ii. Environmental Management System Self-diagnosis Report [Appendix 3]
   iii. Self-check Sheet of Management System for Chemical Substances [Appendix 4]

c) Substances Data Window
   i. Contact Person for Chemical Material [Appendix 5]

d) CK Engineering Standards (Please ask a buyer how to receive the Standards)
   i. Application for Borrowing CK Engineering Standards (CAES)
   ii. CK Engineering Standards (CAES) (Letter of awareness)
   iii. Application and Borrowing List for Standards

   Note 1: Suppliers, which requested to change the registration content or borrowed CAES within five years, they do not need to submit a) and b)

   Note 2: CK will send Engineering Standards related to regulation.

e) IMDS Guideline
f) Contacts

<table>
<thead>
<tr>
<th>Contents</th>
<th>Division</th>
<th>Responsible Person</th>
<th>E-mail</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green Procurement Guideline</td>
<td>PD Control Gr.</td>
<td>Kimura</td>
<td><a href="mailto:naoki_kimura@ck-mail.com">naoki_kimura@ck-mail.com</a></td>
<td>048-661-1333</td>
</tr>
<tr>
<td>IMDS</td>
<td>Resourcing management Grp.</td>
<td>Chou</td>
<td><a href="mailto:hiroshi_cho@ck-mail.com">hiroshi_cho@ck-mail.com</a></td>
<td>048-661-0667</td>
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</table>