Requirements for Suppliers

1. Notification of the responsible person regarding environmental issue

Suppliers need to assign someone to be in charge of environmental issues and notify Nissan of the contact person.

2. Acquisition of ISO14001 certification

Suppliers are strongly requested to acquire ISO14001 for the following two reasons.

• To develop the environmental management system internally
• To enhance the credibility by obtaining the third party certification
3. Reporting chemical hazardous substances in delivered goods

Nissan requests suppliers to inform the use of banned or restricted materials listed in Nissan Engineering Standard NES 0301.

- To obtain accountability by complying Nissan’s standard.
- To enhance the use of less hazardous alternatives.
Standard for Usage Restriction of Environmentally-Impacting Substances in Nisan

NISSAN ENGINEERING STANDARD(NES) M 0301
- Substance Use Restrictions -

Nissan decided its own standard for chemical substance usage taking into account regulations and social requirements globally. Supplier is requested strictly to comply this standard by Nissan.

In NES M 0301, Prohibited, Limited in use or Attention Needed Substances are declared.

- Prohibited or Limited in Substance:
  208 Substances are listed based on regulation or Nissan’s policy for Environmentally-Impacting Substance.
  Example: Asbestos, Mercury, Lead, Cadmium and Brominated Flame retardants

- Attention Needed Substances:
  58 Substances are clarified as Attention Needed Substance which is not currently restricted but the regulation trend and social trends regarding these substances should be cared.
  Example: Polyvinyl chloride(PVC) and Paradichlorobenzene
Survey for chemical hazardous substances in delivered goods (1)

Nissan conducts the survey for chemical substances in delivered parts applied for new model to be launched prior to start of production (SOP) of the model as well as just after the SOP as a part of Green Procurement Activity.

Aims

- To comply with NES M 0301

- To grasp the total amount of environmentally impacting substances in a new model vehicle
Survey for chemical hazardous substances in delivered goods (2)

EXAMPLE

(1) Scope of the research

- Parts to be adopted to the new model (Model name: 418)  
- Parts which specifications were changed (Model name: )
- Specified parts (Model name: )
- Other parts (Model name: )

(2) Substances to be researched

(2)-1. Prohibited substances

- Mercury,
- Cadmium,
- Asbestos

(2)-2. Substances to be reduced

- Lead,
- Hexavalent chromium,
- PBDE,
- PVC,
- 2,4,6-tri-tert-butyl phenol

(3) Reporting of research results

(3)-1. Usage of prohibited substances specified in NES M0301 (Revised in Dec., 2001), except 5 substances specified in 《1》through 《5》above.

- No part contains the prohibited substances.
- Some parts contain the prohibited substances. Refer to the “Table of Environment-impacting Substances for Reporting” (Attachment 5) for details.

(3)-2. Usage and the amount of substances of 《1》through 《7》，which are required individual reporting

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EXAMPLE
Availability of Information system of Chemical Substances

Several information or database systems are available throughout the world.

- **Global Automotive Declarable Substance List / GADSL**
  
  Designed to ensure integrated, responsible and sustainable product development and use by automobile manufacturers and their supply chain.

  Covering the declaration of certain substances that are regulated, projected to be regulated or have potential to be regulated.

- **International Material Data System / IMDS**

  System covering all concerned materials used for car manufacture.

  Meeting the obligations placed on car manufacturers, and thus on their suppliers, by national and international standards, laws and regulations.
Design for Environment to Improve Recoverability (1)

1997 - 1998
Start adopting design for recycling to new models

’97 model (C35)
Easy dismantling structure

’98 model (B15)
Easy recycling plastics

After 2005
All New Model launched in Japanese market achieved Recoverability 95%

Utilization of polypropylene (No.1～No.6)

Reduction of fastening points

Idea for easy material recycling

Idea for easy discriminating materials

Single material (All polypropylene)

Instrumental panel

Parts marking

>PP<
Design for Environment to Improve Recoverability (2)

Example for adoption of easy for recycling plastics

**Expansion of Thermo plastics adoption**

More utilization of Thermo plastics such as PP, PE

**Shift to PET fiber materials**

Apply PET fiber for sound-absorbing material, making it possible to separate, melt and recycle.

**Creating material families**

For more effective recycling, develop material families based on an assessment for each family of where the material should be used and which parts can be combined and recycled together.
Remained Tasks

Following tasks should be challenged among supply chain

- **Global deployment of Green Procurement Activity**
  - Expanding the surveyed suppliers
    - Japan
    - World Wide
      - USA, Europe and South East Asia

- **Grasping and reducing environmentally-impacting substances in life cycle stage**
  - For Supplier
    - Product
    - Manufacturing Process
  - Starting with Life Cycle Analysis of CO2 emission
Thank You for Your Attention