Green Procurement Standard
(Alpine Company)
(The 16th edition)
[Contents]

1. Introduction
2. Alps Alpine Environmental Policy
3. Green Procurement Standards (Alpine company)
   3.1. General rules
   3.2. Selection Standards on Green Procurement
   3.3. Submitting of agreement
   3.4. Request of cooperation related to other environments
4. Environmental Evaluation Standard on Companies
   4.1. Environmental Evaluation on Companies
   4.2. Application
   4.3. Criterion
5. Materials Evaluation Standard
   5.1. Materials evaluation standard
   5.2. Application
   5.3. Definition of terminologies
   5.4. Chemical substance management standards
   5.5. Required documentation concerning material evaluation
   5.6. Component Information of Parts (JAMA sheet)
   5.7. Component Information of finished goods (IMDS)
   5.8. Component Information of indirect materials and manufacturing supplies
      (SDS and JAMA sheet)

<Appendix>
Appendix 1 Agreement in relation to efforts on environment
Appendix 2 List of REACH regulation
Appendix 3 Application code and Alpine judgment standard
Appendix 4 RoHS substance non-use certificate

Contacts for inquiry
1. Introduction

Amidst the environmental problems spanning the world - such as the ever-worsening effects of global warming and toxic substances harming human health and environments - the need to find solutions has become paramount. And, at the Alps Group, we too are marking such environmental problems as one of our important management issues. As such, we are promoting environmental management, in which we have established an “environmental policy” and “execution plan” based on the “Alps Group Environmental Charter” that guides the activities of our entire group. In conforming to that policy and plan, we are working to build up a global management platform that enables us to provide products that contribute to the reduction of environmental burden as well as striving to generally reduce the environmental load through our business activities. With every passing year, the pressing need to deal with tasks related to the increasing number of regulated chemical substances and the expanding demands of stakeholders has become greater, to the point where we need to apply the activities of our environmental policy and execution plan to the entire supply chain.

Thus, to deal with these issues, we published the “Alpine Green Procurement Standards” in 2002. These standards have enabled us to strengthen our approach. Therefore, we hope that our business partners understand and appreciate the Alpine Green Procurement, and continue to cooperate with us in business.

ALPS ALPINE Environmental Policy

《Basic Principles》
ALPS ALPINE, as a member of the global community, is committed to protecting the beauty of nature and to safeguarding our precious resources through the use of technologically advanced business practices and the efforts of its employees, in order to promote sustainable development.

《Environmental Policy》
1. We will continually improve our environmental management system to prevent pollution.
2. Comply with environment-related laws and regulations as well as other requirements to which we agree.
3. Promote measures against global warming.
4. Make effective use of resources.
5. Properly manage chemicals and reduce emissions to the environment.
6. Development, manufacture and sell Products that are in harmony with the environment.

Feb 6th, 2019
ALPS ALPINE CO., LTD.
Director
Vice President
Yoichiro Kega
3. Green Procurement Standards (Alpine Company)

3.1. General rules

(1) Purpose
This procurement standard has aimed to show the materials procurement guideline to make our environmental policy an embodiment, and to buy materials which consider safeguarding the environment.

(2) Scope of application
The Green Procurement Standard applies to procurement and assembly activities of different materials at Alps Alpine and its affiliate companies. Different materials are indicated below:

(a) Materials that are used to manufacture product of Alpine
   * Parts and materials (electronic parts, mechanism parts, electric machinery and mechanism parts, printed wiring substrates, outer covering parts, packaging materials, and packaging parts)
   * Semi-finished unit (assembly parts such as module and substrate assy.).
   * Accessories (accessories to use devices including remote controller).
   * Constituting materials including sub-materials (paint, tape, solder, lubricant, adhesive and the like).
   * Finished products (purchased products commissioned of design and manufacture).
   * Operation manual.
   * Service parts.
   * Packaging material, packing part.

(b) Materials used in process that manufactures product of Alpine
   * Manufacturing assistance material (cleaning agents and peeling liquid, etc.)

(c) Packaging materials used when materials above-mentioned (a) (b) are delivered (Returnable container is excluded).

(d) Chemical parts and materials used in supplier's manufacturing process

(e) When there is a requirement from Legal Regulation or customer, this procedure will also be applied to equipment, jig, die and tool, fixtures etc.

(3) Application time
This procurement standard is applied as of August 01, 2019.

3.2. Selection Standards on Green Procurement

(1) Constitution of the green procurement standard
Green Procurement of every kind of material at Alpine is on the two selection standards below.

1 - Selection standards of suppliers (Environmental Evaluation on Companies Standard)
   ---- Evaluation of ecology movement

2 - Selection standards of purchase (Parts Evaluation Standard) ---- Evaluation of each purchase

(2) Selection standards of suppliers (Environmental Evaluation on Companies)
Quality, delivery, cost, service and technical development as well as supplier's activities towards environmental protection are considered in our supplier selection process.
Priority is given to the supplier who is practicing an enthusiastic approach.
Please refer to item 4 “An environmental Alpine corporate criterion” for details.

(3) Selection standard for purchased materials (parts evaluation).
In selecting different material to be purchased, parts which meet “Alps Alpine Parts Evaluation Standard” item 5 is only used in addition to considering the required quality, functions, and price.

3.3. Submitting confirmation of agreement

Please review our procurement standard and submit signed agreement in relation to efforts on environment form.
Resubmission is unnecessary if the supplier has already submitted, and there are no applicable changes.

3.4. Request of cooperation related to other environments

We would like to request cooperation concerning the environment by the regulation and our Customer Request, etc. in addition to the content of the request provided in an environmental corporate criterion and the material criterion. Please cooperate with this request.
4. Alps Alpine Environmental Evaluation Standard (Alpine company) on Companies

4.1. Environmental Evaluation on Companies

The material procurement of Alpine advances the material procurement from the supplier who is positively working on the environmental protection that the authentication of "ISO14001 environmental management system" is acquired.

4.2. Application

(1) Scope of application

This will apply to the customer of the following materials at Alps Alpine and the subsidiary company and its allied.

(a) Materials that are manufactured into the product of Alpine
*Parts and materials (electronic part, mechanism element, electric machine mechanism element, printed circuit board, and exterior parts, etc.)
*Half-finished product unit (assembly parts of module and substrate ASSY, etc.)
*Accessories (accessories to use equipment like remote control etc.)
*Structural material of indirect materials etc. (paints, tape, solder, lubricant and adhesive, etc.)
*Finished goods (purchase product that consigns design and manufacturing)
*Manual
*Service parts
*Packaging material, packing parts

(b) Materials used in process that manufactures product of Alpine
*Manufacturing assistance material (cleaning agents and peel liquid, etc.)

4.3. Criterion

Alpine will evaluate the management system introduction situation, the self-assessment, the continuation situation, and GHG survey generally.

(1) Introduction of environmental management system and quality management system.

Alpine will acquire the following certification and confirm continuation as a general rule.

At the time of the new business start, please submit the acquisition situation with self-assessment sheet for supplier of environmental management. After the next fiscal year, please report a matter necessary for a supplier report to send from our charge separately.

① Environmental management system (ISO14001)
② Quality management system (ISO9001 or ISO/TS16949)

(2) Result of GHG survey (GHG: Green House Gas)

Alpine will evaluate the current situation and the reduction goals of the GHG data from the result of the GHG survey executed every year. The GHG survey method will be reported from Alpine; therefore, your response is appreciated.
5. Alps Alpine (Alpine company) Materials Evaluation Standard

5.1. Materials evaluation standard

Alpine provides the material criterion to correspond to evolving environmental regulation, Customer request efficiency and reduction of the negative environmental impact according to the manufacturing activity of a safe product with minimal negative environmental impacts.

5.2. Application

(1) Scope of application

① It applies to the following materials that Alps Alpine, the subsidiary company and the allied company procure.

(a) Materials that compose product of Alpine
   * Parts and materials (electronic part, mechanism element, electric machine mechanism element, printed circuit board, and exterior parts, etc.)
   * Half-finished product unit (assembly parts of module and substrate ASSY, etc.)
   * Accessories (accessories to use equipment like remote control etc.)
   * Structural material of indirect materials etc. (paints, tape, solder, lubricant and adhesive, etc.)
   * Finished goods (purchase product that consigns design and manufacturing)
   * Manual
   * Service parts
   * Packaging material and packing parts

(b) Materials used in process that manufactures product of Alpine
   * Manufacturing assistance material (cleaning agents and peel liquid, etc.)

(c) Packaging box used when materials above-mentioned (a) (b) are delivered
   (Returnable container is excluded).

(d) Chemical substance that remains in product delivered to Alpine among materials used in manufacturing process of Supplier

(e) Facility, Jig tool, Die, and vessel, etc.
   (Only when you need special correspondence in the regulation and our Customer Request, etc.).

② All elements including the negative environmental impact material that the material contains are targeted.

③ The one that the tolerance is set when existing as impurities is applied.

5.3. Definition of terminologies

(1) Materials

The raw materials, parts (processed parts, generally purchased parts, semi-completed unit), completed products, packaging material, subsidiary material and test reagent etc. to be obtained are collectively called "materials".

(2) Position

This is the minimum disassembly unit that configures parts to be searched.

(3) Homogeneous material

This is the material that cannot be broken down to each material such as plastic, ceramic, glass, metal, alloy, paper, plate (board), resin and coating.

"Breakup into different material according to rule" means that the material can be broken down by a process such as removal of screw, cutting, crushing, grinding and polishing as a general rule.
(4) Environmentally hazardous substance

It is a thing in conformity with the GADSL latest edition with the material which it is a chemical substance having influence that it is harmful to the ecosystem including a global environment and the human being, and Alpine appointed.

(5) GADSL (Global Automotive Declarable Substance List)

A chemical substance management list common throughout the industry agreed in automotive parts of Japan, the United States and Europe and chemical supplier.

http://www.gadsl.org/

(6) Impurities

Un-reactive residues existing in the applicable substances, residues impossible of technical removal in the refining processes, and nature originated substances contained unintentionally.

(7) Inclusion tolerance

Abbreviated to “tolerance”. For measures of inclusion which may give influence as the environmentally hazardous substance. There are expressions which may be used: content of environmentally hazardous substance in homogeneous materials, this is called threshold value.

(8) Chemically formed product

Aqueous solution having no particular shape, solid or powder such as detergent, adhesive, lubricant, mold release compound, and abrasive, being mixture of chemical substances.

(9) SDS (Safety Data Sheet) (conventional MSDS (Material Safety Data Sheet))

The safe data sheets such as a chemical substance determined by the PRTR low or the Occupational Safety and Health Act and the chemical substance which listed information about the physical property of the product which contained them, dangerous hazardousness, the attention in the handling.

(10) IMDS (International Material Data System)

This is the system to collect the information of parts that configure automobile and contained material.

http://www.mdsystem.com/

(11) JAMA/JAPIA Standard Material Datasheet (Hereafter, JAMA sheet))

Element survey Datasheet standardized in mutual agreement of JAMA (Japan automobile Manufactures Association) and JAPIA (Japan Auto Parts Industries Association). http://www.japia.or.jp/

(12) REACH regulation (Registration, Evaluation, Authorization and Restriction of Chemicals)

The general law of a chemical substance has taken effect on June 1, 2007.

We cannot use marketing in the EU area unless we receive the authorization by a specific use after the sunset date when published as a material targeted for the authorization by Authorization List (List of materials targeted for the authorization).

https://echa.europa.eu/authorisation-list


An electron, an electric apparatus is an order by European Union (EU) about use restrictions of the target specific harmful object.

In the EU member state, it cannot market an electron, an electric apparatus (I abbreviate it to electrical and electronic equipment, EEE) which a specific harmful object was included in more than a designated value.
5.4. Chemical substance management standards

(1) Management level

The environmentally hazardous substances that have a risk to the environment may vary according to application methods. Therefore, even the same substance may have to be divided into two categories: one whose application must be regulated strictly, and one whose risk can be reduced considerably by controlling it adequately, depending on application. In addition, there may be cases where no adequate substitute technologies are available, and where the risk caused by not using the substances is greater than that in using them.

Based on the above facts, the control level is established in two levels, “Prohibited substance (D/P, P)” and “Declared substance (D)” , so that adequate control can be applied.

1) Prohibited substances

Substances that pose a risk to our environment are determined serious from legal reasons, whatever they may be, or precedents in the past. This means prohibition of use at present time. Therefore, its use and inclusion are not accepted within the scope of application.

2) Declared substances

Substances which are intended to actually be environmentally hazardous substances at the present time, to carry out appropriate control as the prime object and which have a possibility of being ranked up to the completely eliminated substances according to the future findings, and finally trend in the social environment and legal regulations.

(2) Alps Alpine for the REACH regulation

Alps Alpine decides one year ago of a sunset date defined by Substances subject to authorization with Alpine delivery prohibition day and should prohibit the delivery after the date. When you contain the material concerned with an existing delivery part, please contact our purchasing charge.

(3) Alps Alpine for the RoHS Directive

We decided to comply with the RoHS directive and apply the new category 11: "Other EEE not covered by any of the other categories"

So that we will apply to components which are newly adopted by Alpine on and after December 1st, 2018.
5.5. Required documentation concerning material evaluation

5.5.1 Document to be submitted and its timing

(1) When new material is adopted

Please submit it as shown in the table below.

<table>
<thead>
<tr>
<th>Document to be submitted</th>
<th>Time</th>
<th>At the submitting destination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical component</td>
<td>At material examination (evaluation)</td>
<td>Charge designer</td>
</tr>
<tr>
<td>JAMA sheet (CSV data)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mechanical component *</td>
<td>At the component recognition (Die inspection)</td>
<td>Charge designer / Person in charge of material procurement section</td>
</tr>
<tr>
<td>JAMA sheet (CSV data)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finished goods</td>
<td>When product is recognized</td>
<td>Please send it to ID that Alpine specifies. Afterwards, please contact by mail, the designer in charge.</td>
</tr>
<tr>
<td>IMDS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indirect materials and manufacturing supplies</td>
<td>At material examination (evaluation)</td>
<td>Person in charge of material procurement section</td>
</tr>
<tr>
<td>SDS + JAMA sheet (CSV data)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Others</td>
<td>It specifies it from Alpine at any time.</td>
<td></td>
</tr>
</tbody>
</table>

* The electrical component with Die inspection such as substrates and FPC is contained.

(2) When existing material is changed

Please submit it as shown in the table below.

<table>
<thead>
<tr>
<th>Document to be submitted</th>
<th>Time</th>
<th>At the submitting destination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical component</td>
<td>When change is applied</td>
<td>Person in charge of material procurement section</td>
</tr>
<tr>
<td>JAMA sheet (CSV data)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mechanical component *</td>
<td>When change is applied</td>
<td>Person in charge of material procurement section</td>
</tr>
<tr>
<td>JAMA sheet (CSV data)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finished goods</td>
<td>When change is applied</td>
<td>Please send it to the ID that Alpine specifies. Afterwards, please contact by mail, the designer in charge.</td>
</tr>
<tr>
<td>IMDS</td>
<td></td>
<td></td>
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<tr>
<td>Indirect materials and manufacturing supplies</td>
<td>When change is applied</td>
<td>Person in charge of material procurement section</td>
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<tr>
<td>SDS + JAMA sheet (CSV data)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Others</td>
<td>It specifies it from Alpine at any time.</td>
<td></td>
</tr>
</tbody>
</table>

* The electrical component with Die inspection such as substrates and FPC is contained.

(3) Others

Submission may be requested from Alpine, if necessary; therefore, please correspond accordingly.
5.6. Component Information of Parts (JAMA sheet)

5.6.1. Research objective material

Please describe not only the negative environmental impact material but also all contained materials to JAMA sheet. It is necessary to input it also to the one that remains in the product among the chemical substances used by the fabrication process of supplier.

It is assumed that submitting with IMDS is acceptable only after the Supplier which is submitting JAMA sheet finds it difficult, which will must have to obtain the consent of the receptionist of our company before hand though bases of parts (The unit parts are contained) are submitting with the JAMA sheet.

5.6.2. Input of JAMA sheet

Please refer to the method of input to the JAMA sheet which is open to the public homepage (http://www.japia.or.jp) of JAPIA, when you input the JAMA sheet.

When the entry book of the JAMA sheet is opened, the input of the password is needed. I will report the password to supplier's window person. Please develop from the Tier1 supplier with the Tier2 supplier. Moreover, please develop within the range of the supply chain.

Please the latest edition must be open to the public to the format of the JAMA sheet is home page (http://www.japia.or.jp of JAPIA) and download with the external list similarly open to the public and use it.

Please input downloaded JAMA sheet and external list to the JAMA sheet after it preserves it in the same folder without fail. (When it inputs only with the JAMA sheet, and an external list is preserved in a different folder, it is not possible to input it.)

(1) Input format

Please use the latest edition for the JAMA sheet.

- When JAMA sheet is revised, Alpine will separately report the switch schedule.

(2) Input item that Alpine specified

< Essential information investigation >

1) Car manufacturer code (indispensability)
   Please input "1906" (Alpine IMDS corporate ID)

2) Supplier code (indispensability)
   Please input the supplier code of your company (Tier-1).

3) Supplier name (indispensability)
   Please input the name of your company (Tier-1).

4) Time limit for answering (unnecessary)
   It is not necessary to fill in.

5) Response day (indispensability)
   Please input the date when the JAMA sheet is submitted.

6) Unit of mass
   Please input the unit of mass by g (gram).
7) Substances input
Please input all substances in a material after considering content of impurities etc.

8) Wild-card input
"Not yet specified, not to declare" doesn't mean the unspecific substance, and do not use it, please.
Please submit it to our company with the element of the material fixed.

< Structural material and chemical substance investigation >

1) Delivery part number (indispensability)
Please input the part number that Alpine specifies.
Please input to a Drawing change level about Parts Issue such as design changes

2) Delivery parts name (indispensability)
Please input the part name that Alpine specifies. Please input your product number
to the one not specified.

3) Design change number (arbitrariness)
Please input it to this column when it is necessary to input Issue by the design change etc.

4) Component name (indispensability)
Please input the name of "Part" that is the unit of the least resolution which composes parts. Please refer to
"Appendix-9 “Idea of a homogeneous parts/material” for the case with the idea of the part.

5) Material brand name (arbitrariness)
Please input it when there is a material brand name.

(3) Note on submitting
Please output by CSV format after confirming the following content beforehand, and send it
Via E-mail when you submit JAMA sheet.
1) Please confirm if a prohibited substance is not contained.
2) Please confirm the error check is completed without failure on JAMA sheet,
And there is no error. – You will not be able to send if there is an error.
3) Please output from JAMA sheet by CSV format, and named the file as follows.
   < How to named the file > Alpine part number. csv (Example: 99-99999Z01.csv)

(4) Other notes
1) Please submit JAMA sheet of each part number with one sheet.
2) As a rule, please submit each child part with one sheet when the child part exists in ASSY goods.
3) Please confirm if the material contains the negative environmental impact material.
   *Lubricant, such as grease, used in parts having moving parts like bearing and lever.
   *Flame retardant of resin material
   *Polyvinyl chloride (PVC) of the lead wire coating, and the flame retardant and stabilizer
   *Special metals (alloys) intended for electrical lubrication of contacts.
   *Additives of rubbers such as belt, roller, bush, and tubes
   *Display paints of color code, etc.
   - Especially, please submit the released paper of the double-faced tape and the protection seal etc.
5.7. **Component Information of finished goods (IMDS)**

Please submit the element data by using IMDS about finished goods.

- It is assumed that submitting with JAMA sheet is acceptable after only Supplier that the IMDS transmission is difficult obtains the consent of the receptionist of Alpine beforehand though the IMDS transmission is assumed to be basic about the delivery product in finished goods.

< Transmission information >

Please contact the sent effect the charge designer with mail about the IMDS data after it sends it to ID hereafter.

ID: 1906 (Alpine Electronics and Inc.)

Please input the "product code "that Alpine specifies to the part number column.

The input of Issue is unnecessary.

5.8. **Component Information of indirect materials and manufacturing supplies (SDS and JAMA sheet )**

Indirect material, please submit SDS and the JAMA sheet which followed the law of the delivery country about the ingredient information of production assistance materials. The SDS, please submit two kinds of things listed by English version and the common language of the delivery country.

SDS confirms the latest edition more regularly than Alpine, and please cooperate.
Appendix
<table>
<thead>
<tr>
<th></th>
<th>Contact Details</th>
</tr>
</thead>
</table>
| **Alpine Iwaki** | **Alps Alpine CO., LTD**  
Material Control Headquarters 2  
20-1 Yoshima-Kogyodanchi, Iwaki,  
Fukushima 970-1192, Japan  
Phone: 0246-36-0205  
FAX: 0246-36-6106  
<General AGPS> Help.apn-gps@Alpine.co.jp  
<JAMA sheet> Help.apn-datasheet@Alpine.co.jp |
| **Alpine Manufacturing, Inc.** | Purchasing Department  
48-1 Akai Aza Sorimachi, Taira, Iwaki,  
Fukushima 979-3131, Japan  
Phone: 0246-21-0150  
FAX: 0246-21-0108 |
| **Alpine US** | **Alpine Electronics of America, Inc.**  
Purchasing Department  
7100 International Parkway, McAllen, TX 78503  
Phone: 1-956-217-3205  
FAX: 1-956-205-4099 |
| **Alpine EU** | **Alpine Electronics Manufacturing of Europe, LTD.**  
Purchasing Department  
H-2051 Biatorbagy, Vendel Park, Budai UTCA 1, Hungary  
Phone: 36-23-534-111  
FAX: 36-23-534-112 |
| **Alpine Dalian** | **Dalian Alpine Electronics Co., LTD.**  
Purchasing Department  
No.2 Yingbin Road, Jinzhou Economic Development Zone,  
Dalian City, Liaoning Province 116100, China  
Phone: 86-411-8769-8716  
FAX: 86-411-8767-5820 |
| **Alpine Taicang** | **Taicang Alpine Electronics Co., LTD.**  
Purchasing Department  
No.1 Guangzhou West Road, Economic Development zone  
Taicang City Jiangsu, CN (P.C 215400)  
Phone: 86-512-5356-8111  
FAX: 86-512-5356-8112 |
| **Alpine Hong Kong** | **Alpine Electronics Hong Kong Ltd.**  
Procurement Department  
Unit 1105B, 11/F, Mirror Tower,  
61 Mody Road, TST East, Kowloon, Hong Kong  
Phone: 852-2537-0907  
FAX: 852-2537-0902 |
| **Alpine Thailand** | **Alpine Technology Manufacturing (Thailand) CO., LTD.**  
Procurement Department  
210 Moo 13, Suwansorn Road, Tambol Dong-Khee-Lek, Amphur Muang,  
Prachinburi 25000, Thailand  
Phone: 66(37)403330  
FAX: 66(37)403335 |
Letter of Agreement in relation to efforts on environment

Address

Company name (hereinafter “Company”)

Department/Title

Name

Pertaining to delivery of products or parts (including accessories, packaging, and all other items delivered together with the products, hereinafter “Parts”) to Alpine Electronics, Inc, its subsidiaries and affiliated companies from Company, subsidiaries and affiliates of Company (hereinafter “Companies”), I agree by my duly authorized representative as described below:

1. We will observe the “Green Procurement Standards” (hereinafter “Standards”), attached hereto.
2. In order to deliver Parts in compliance with Standards, we will take the following measures:
   (1) Submit the “Supplier Environment Management System Self-assessment Sheet” based on Companies’ execution of an environmental evaluation on Companies’ factories or facilities.
   (3) If and when Alpine revises the Standards due to changes to laws or social circumstances, we will review and confirm compliance with the contents of the revision immediately. If there are any Parts that do not comply with the revised Standards, we will revise the above-mentioned “JAMA/JAPIA Standard Material Datasheet”, “Analysis data”, “SDS”, “IMDS”, and any other documentation requested by Alpine (collectively “Data”), regarding the incompatible Parts, and submit the revision to Alpine.
3. We guarantee the accuracy and honesty of any evaluation done or documents submitted.
4. Upon receipt of revised Standards it should be deemed that we have accepted the revision unless we object to the revision in writing within 30 days.
5. We agree to comply with any reasonable requests made by Alpine from time to time based on or according the intention of the Standards.

Signature ______________________________
<table>
<thead>
<tr>
<th>ID</th>
<th>APPLICATION (Japanese)</th>
<th>アプリケーション（日本語）</th>
<th>Threshold/limit</th>
<th>Judgment/standard</th>
<th>Note</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Absorption refrigerators in motorcaravans</td>
<td>吸収冷蔵庫</td>
<td>申告</td>
<td>判定</td>
<td>なし</td>
<td>未適用</td>
</tr>
<tr>
<td>13</td>
<td>Corrosion preventive coatings related to bolt and nut assemblies for chassis applications</td>
<td>軸受及びねじ組立部品の表面処理</td>
<td>申告</td>
<td>判定</td>
<td>なし</td>
<td>未適用</td>
</tr>
<tr>
<td>14</td>
<td>Exhaust systems</td>
<td>排気システム</td>
<td>申告</td>
<td>判定</td>
<td>なし</td>
<td>未適用</td>
</tr>
<tr>
<td>15</td>
<td>14(a) - Corrosion preventive coatings for intake air systems</td>
<td>吸気系の表面処理</td>
<td>申告</td>
<td>判定</td>
<td>なし</td>
<td>未適用</td>
</tr>
<tr>
<td>16</td>
<td>14(b) - Corrosion preventive coatings for exhaust systems</td>
<td>排気系の表面処理</td>
<td>申告</td>
<td>判定</td>
<td>なし</td>
<td>未適用</td>
</tr>
<tr>
<td>17</td>
<td>14(c) - Corrosion preventive coatings for coolant systems</td>
<td>冷却液系の表面処理</td>
<td>申告</td>
<td>判定</td>
<td>なし</td>
<td>未適用</td>
</tr>
<tr>
<td>18</td>
<td>14(d) - Corrosion preventive coatings for electric motors</td>
<td>電動モーターの表面処理</td>
<td>申告</td>
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<td>なし</td>
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<td>判定</td>
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</tbody>
</table>
Non-use Certificate of RoHS substances

We certify that RoHS substances required by "Commission Delegated Directive (EU) 2015/863 of 31 March 2015 and Directive 2011/65/EU of 8 June 2011" are not contained or that these do not contain or adhere to it beyond the latest regulatory concentration at the time of publication of this document. (Excluding applications in exemptions).

1. Target products name
   All products and parts delivered to Alps Alpine Co., Ltd. (ALPINE Company)

2. RoHS Directive Restricted Substances (10 Substances)

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<tr>
<th>No.</th>
<th>Restricted Substances</th>
<th>Regulatory concentration (threshold)</th>
<th>promulgation</th>
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<tr>
<td>1</td>
<td>Lead</td>
<td>0.1wt%(1,000ppm)</td>
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<td>3</td>
<td>Cadmium</td>
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<td>Hexavalent chromium</td>
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<td>PB (Polybrominated biphenyls)</td>
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<td>6</td>
<td>PBDE (Polybrominated diphenyl ethers)</td>
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<td>7</td>
<td>DEHP (Bis(2-ethylhexyl) phthalate)</td>
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<td>BBP (Butyl benzyl phthalate)</td>
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<td>DBP (Dibutyl phthalate)</td>
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<td>10</td>
<td>DIBP (Diisobutyl phthalate)</td>
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Exemption
   According to the exclusion items for each target substance.

3. Target Products Details

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<table>
<thead>
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<th>No.</th>
<th>Product Name</th>
<th>ALPS ALPINE (ALPINE Company) Parts Number</th>
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Date submitted : 
Address : 
Company name : 
Department/Title : 
Name : 