



## Revision of the Approval Standard, etc. for Motorcycle Helmet

April 28th, 2017

Consumer Product Safety Association

Thank you very much for your continued understanding for and cooperation with our business.

Effective April 28<sup>th</sup> this year, the Consumer Product Safety Association (“CPSA”) will implement a revision of the approval standard, etc. for motorcycle helmet. The revised standard will be applied beginning with applications on April 28<sup>th</sup>. A 6-month transitional period (a period in which both the old and new standards exist at the same time) will be given.

The main purpose and points of the revised standard as well as major changes, etc. to the procedures are as follows. If you have any question regarding this matter, please contact the person in charge listed at the end of this news release.

### 1. Main purpose of the revision of the Approval Standard, etc. for Motorcycle Helmet

Motorcycle helmets are designated as Specified Products under the Consumer Product Safety Act, and technical standards and interpretation (hereinafter the “PSC Standards and Interpretation”) have been set forth by the government. The revision of the approval standard and the inspection manual (hereinafter the “Approval Standard, etc.”) that we are making this time is in response to the revision of the PSC Standards and Interpretation that will be made.

### 2. Main points of the revision of the Approval Standard, etc. for Motorcycle Helmet

The most important point in the revision of the Approval Standard, etc. this time is that the edition of the **Japan Industrial Standards’ “JIS T8133: Motorcycle Helmet”** which is referred to in the Approval Standard **will be changed from the 2007 edition to the 2015 edition**. Although the definition and strength of a “shield” (a transparent protection plate which is positioned in front of the eyes and covers a part of the face) have been newly set in “JIS T8133: 2015 Motorcycle Helmet”, **there are no provisions on the “shield” in the Approval Standard, etc. as before.**

Main points are as follows. For more detail, please check the Approval Standard, etc.

<<To see the Approval Standard, click [here](#). To see the Inspection Manual, click [here](#).>>

① Classification

If the protective range of the helmet covers the part specified as a Class 2 helmet (for others), it shall be applied as a Class 1 helmet (for mopeds).

② Visual field

**It was specified in the previous edition that the downward visual angle of helmets less than 54 cm in size had to be “30 degrees or more”, but it will be revised to “45 degrees or more” which is the same as the one for other sizes.**

In the case of ones which project texts and/or images onto a shield or equipment such as a rear view mirror installed inside the shell, the visual field for the equipment such as the rear view mirror as well as the projected texts/images shall be checked as well.

③ Outer surface of the shell

In principle, certificates issued by testing agencies authorized by the CPSA for the “ECE Regulation No. 22: 7.4 Test for Projection and Surface Friction” shall be only those issued within three years of application. If the certificate is written in a non-Japanese language, we may request you to attach a Japanese translation as needed.

④ Fit to the head

There shall be no hard objects such as a battery within the protective range.

⑤ Material

“Deterioration of helmet components over time”, “deterioration due to perspiration”, “deterioration due to scalp hair oil”, and “skin problems due to components (formaldehyde)” may be checked based on certificates issued by testing agencies authorized by the CPSA. However, in principle, certificates for “deterioration due to perspiration”, “deterioration due to scalp hair oil”, and “skin problems due to components (formaldehyde)” shall be only those issued within three years of application. If the certificate is written in a non-Japanese language, we may request you to attach a Japanese translation as needed.

⑥ Retention system strength

**Solvent pre-treatment for fastening parts has been added.** The retention system strength test performed after pre-treatments (normal temperature, high temperature, low temperature, and immersion) that are performed after the solvent pre-treatment shall be checked based on certificates issued by testing agencies authorized by the CPSA. These certificates may be provided for each material of the fastening parts.

⑦ Retention capacity (Roll-off)

In principle, certificates issued by testing agencies authorized by the CPSA with respect to the “Retention Capacity (Roll-off) Test” shall be only those issued within

three years of application. If the certificate is written in a non-Japanese language, we may request you to attach a Japanese translation as needed.

⑧ Marking which states that the helmet is for mopeds

In the case that the product has already been packaged/wrapped, yet the marking stating that it is a helmet for mopeds is visible from outside through a transparent packaging/container, the marking stating that it is a helmet for mopeds is not required on the outer surface of such packaging/container.

⑨ Instruction Manual

Precautions for use will be added to “helmets with a sunshade\*” and “flip up helmets”. **For all helmets, a statement regarding the compensation under the SG Mark system will be added.**

\* “Sunshade” refers to a part which is pre-equipped to a helmet and can be retracted into the helmet.

### 3. Major changes, etc. to procedures

(1) Model categorization

**“Reinforced plastic” has been changed to “fiber-reinforced plastic”.** Helmets that are made of materials such as so-called “GFRP (glass fiber reinforced plastic)” or “CFRP (carbon fiber reinforced plastic)” all fall within this category.

Model confirmation numbers will not be changed with this change. (Please apply for marking issuance using the model confirmation numbers that you are currently using.)

(2) Changes to registration requirements (inspection equipment standards)

Since solvent pre-treatment has been added to the retention system strength test, **equipment for the solvent pre-treatment will be added.** However, with this change, **now you may outsource the retention system strength test.**

(3) Transitional period

① New factory registration

The new standard will be applied to factory registration from April 28<sup>th</sup> (on a basis of application date; the same shall apply hereinafter).

② Model confirmation (including renewal)

The new standard will be applied to model confirmation (including renewal) from April 28<sup>th</sup>. However, if you wish to perform a test based on the standard employed before the revision (hereinafter the “Old Standard”) before October 27<sup>th</sup>, you may apply for it based on the Old Standard by writing “Old Standard” in a blank space on the application form. Model confirmation for companies registered under the

new standard will be based only on the new standard.

When applying for a model confirmation (including renewal) based on the new standard, **please attach a certificate for the “retention system strength test for fastening parts performed after pre-treatments (normal temperature, high temperature, low temperature, and immersion) that are performed after solvent pre-treatment (the test may be performed for each material of the fastening parts)”** in addition to certificates for the perspiration resistance test, scalp hair oil test, and formaldehyde test.

③ In-house management by registered factory

If you are a company registered under the Old Standard, please switch to in-house management based on the new standard during the period from April 28<sup>th</sup> through October 27<sup>th</sup>.

**If you are a registered factory who have a model(s) effective beyond October 28<sup>th</sup>, please submit to the CPSA a “JIS Certificate under JIS T8133: 2015 (limited to JIS certified factory)” or a “certificate for the retention system strength test for fastening parts performed after pre-treatments (normal temperature, high temperature, low temperature, and immersion) that are performed after solvent pre-treatment (the test may be performed for each material of the fastening parts)”.**

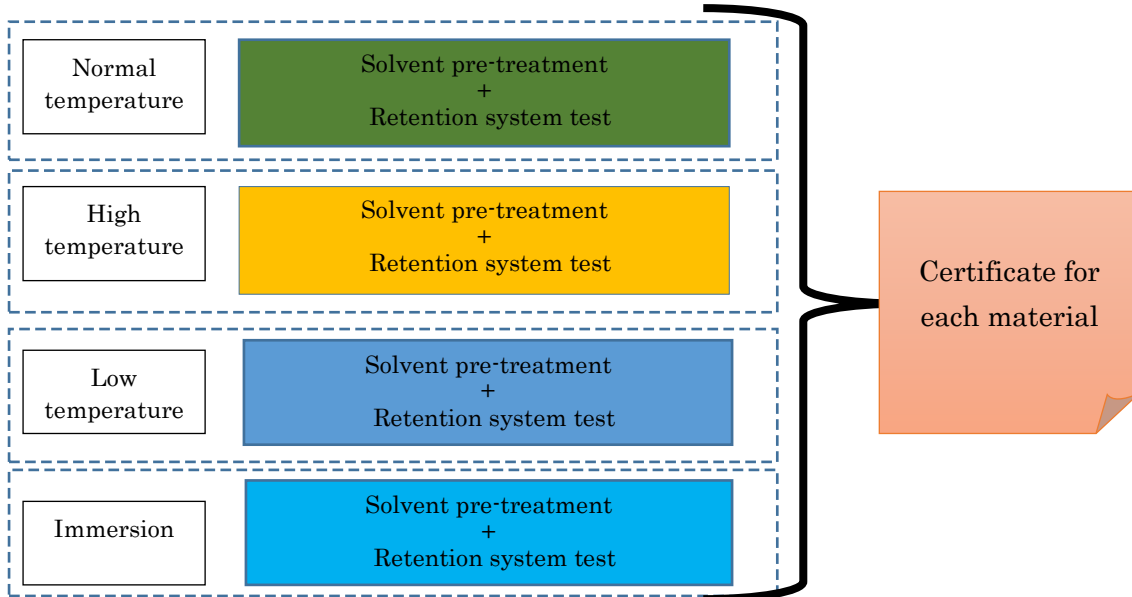
We are planning to perform follow-up inspections from fiscal year 2017 and on, so please make sure to perform the above-mentioned switching.

④ Lot certification

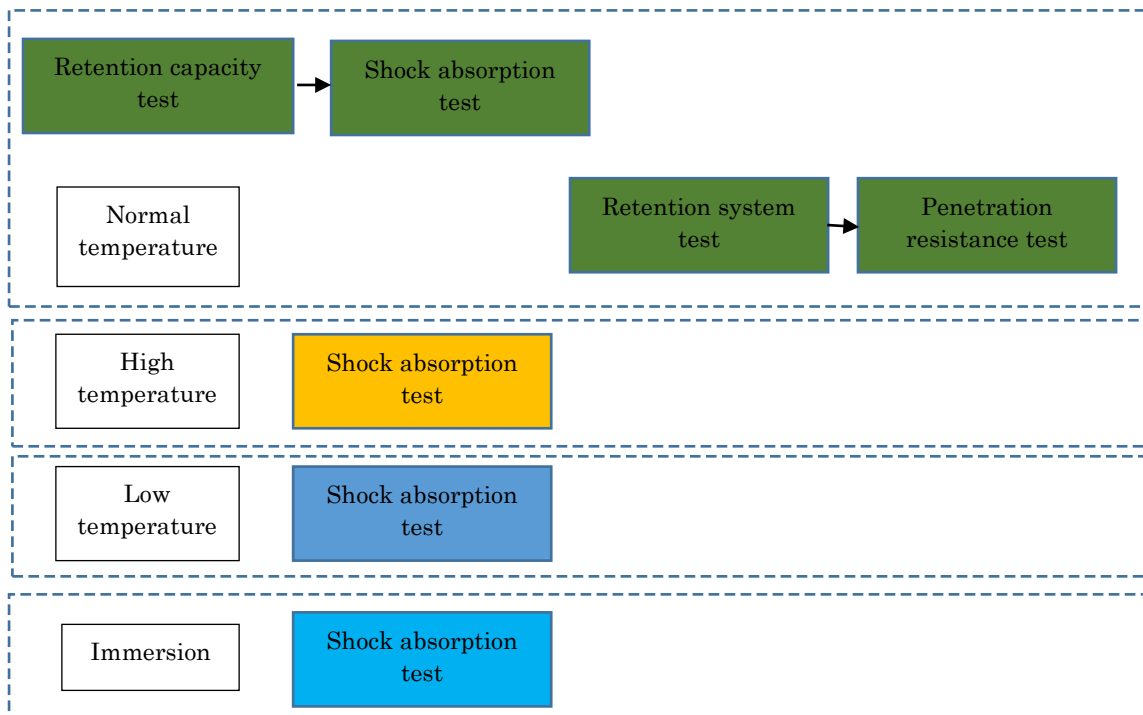
The new standard will be applied to lot certification from April 28<sup>th</sup>. However, if you wish to perform a test based on the Old Standard before October 27<sup>th</sup>, you may apply for it based on the Old Standard by writing “Old Standard” in a blank space on the application form. If you receive a special inspection (even if it is on or after October 27<sup>th</sup>) based on the Old Standard, the Old Standard will be applied to each follow-up inspection up to its expiration date.

**If you are an applicant who has an expiration date for special inspection omission beyond October 28<sup>th</sup> and who is planning to apply for lot certification on or after October 28<sup>th</sup>, please submit to an outsourced inspection agency a “certificate for the retention system strength test for fastening parts performed after pre-treatments (normal temperature, high temperature, low temperature, and immersion) that are performed after solvent pre-treatment (the test may be performed for each material of the fastening parts)” by October 27<sup>th</sup>.**

**Certificate for Each Material**



**Model Test or Special Test**



⑤ Issuance of markings

There are no changes to the fees and procedures with the revision of the standard.

Regarding this matter, please contact the following:

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