



Guide to Mobile Battery Charging Safety Certification

Mobile Computing Promotion Consortium

Mobile Battery Charging Safety Certification Overview



The Mobile Computing Promotion Consortium (MCPC) is a voluntary organization established in 1997 with the aim of promoting mobile computing beyond the boundaries of industry.

The MCPC has developed the Mobile Battery Charging Safety Certification to promote the widespread use of safe and secure charging devices with the aim of reducing the number of accidents that occur during charging smartphones and other devices. This program aims to achieve its objectives by verifying the safety functions* of charging equipment and issuing a certification mark for safe charging equipment.

If the product displays a certification mark, users can easily and safely figure out which charging devices are safe.

The Mobile Battery Charging Safety Certification is an acknowledgement by MCPC that a product that has passed MCPC specified tests is in compliance with this certification. Examinees may use the MCPC safety certification logo for their products. Users will clearly recognize that the product conforms to the standards set by MCPC.

Examinees who wish to have the MCPC Safety Certification Logo on their products need to take the following actions.

*Basic performance, various protective functions, burnout prevention measures, etc.

Overview of the logo acquisition method (1)

Examinee obtains standard specifications

(1) Obtain the documents

- MCPC TR-021 USB Charging Interface Safety Design Guidelines
- MCPC GL-014 Compliance Test Spec for MCPC TR-021
- MCPC GL-013 System Design Checklist
- Application form for MCPC Mobile Battery Charging Safety Certification Logo use

Examinee develops product

(2) Product Development

Develop the product that satisfies MCPC TR-021 standard for USB Charging Interface Safety Design Guideline.

Acquire the test data required for the MCPC GL-013 system design checklist.

Examinee applies to MCPC designated certification body

(3) Examinee applies to the MCPC designated certification body

The examinee apply to the MCPC designated certification body.

Obtain various documents necessary for certification

Obtain contract documents necessary from the MCPC designated certification body.

(4) Submit various documents and contract documents to MCPC designated certification body

(5) Pay Basic Certification Fee to MCPC Designated Certification Body

Tested by MCPC designated certification body

(6) Product testing conducted by MCPC Designated Certification Body

Submit the product to be tested and the MCPC GL-013 System Design Checklist Certification Checklist (with description filled) according to the instructions of the MCPC designated certification body.

Overview of the logo acquisition method (2)

Examinee submits a consent form for logo use to MCPC

(7) Application form for MCPC Mobile Battery Charging Safety Certification Logo use

- The examinee submits an agreement to use the Mobile Battery Charging Safety Certification Logo to MCPC.

(8) Documents for use of the logo delivered

Documents for use of logo delivered from MCPC.

MCPC issues a certificate of acceptance (ID) to the examinee

(9) Issue Certificate of Conformance (ID)

- MCPC issues a certificate of confirmation (ID) to those who have passed the test.

(10) Carry List and Logo for MCPC Certification Supporting Companies

- If an examinee wishes, the applicant company's logo and link to its website can be included in the list of MCPC Certification Support Companies.

(1) Examinee obtains the Standard

(1) Obtain the Standard.

In order for candidates to develop products that can pass the Mobile Battery Charging Safety Certification, they can obtain the Standard issued by MCPC.

● Safety Design Guideline for MCPC TR-021 USB Charging Interface

This is the basic standard document for this safety certification. Development of a product in conformity to this guideline shall be required to pass the certification. It is downloadable at free from the following URL.

<https://www.mcpc-jp.org/charge/index.htm>

● Test Specifications for MCPC GL-014 Compliance Test Spec for MCPC TR-021 and MCPC GL-013 System Design Checklist

GL014 is the test specifications for this safety certification. GL-013 is the Checklist to describe system design of the test product.

(Purchase price)

- MCPC non-member : 30,000 yen
- MCPC member : Free

(How to purchase)

- Please contact the secretariat below by e-mail.

You can choose the payment method of .

Email office@mcpc-jp.org

- No additional fee is required for minor revisions to the test specifications. In case of major revisions to the specifications however an additional purchase may be charged.

● Application form for use of MCPC Mobile Battery Charging Safety Certification Logo

This is an application form for attaching the Certification Logo to products that have passed the certification test.

The examinee develops the product

(2) Examinee develops Product

- An examinee develops the product that satisfies MCPC TR-021 Safety Design Guideline for USB Interface for Charging.
- This guideline is updated periodically. Please refer to the latest version.

An examinee who wish to receive a notice for an update will be notified by MCPC via e-mail or other means before the guidelines are updated.

- If you have any questions about the details of this guideline, please send an e-mail to the following address.
For MCPC technical inquiries, please contact office@mcpc-jp.org
- Acquire required test data using MCPC GL-013 System Design Checklist.

Examinee applies to the MCPC designated certification body

(3) Procedures for application to the MCPC Designated Certification Body

The examinee applies to the MCPC designated certification body.

(Current MCPC Designated Certification Body)

Click the URL of the certification body to move to their website and obtain various information.

Once you have decided which certification body to apply for, please follow the procedures on the certification body website to complete the certification process.

Certification Body	Address and contact information	Certification fee
Allion Japan http://www.allion.co.jp/typeC.html	Address Tokyo SRC Building B 4F, 1-1, Katsushima, Shinagawa-ku, Tokyo 140-0012 Japan TEL: <u>03-5728-9966</u> , FAX: <u>03-5728-9976</u> E-mail : <u>service@allion.co.jp</u>	● MCPC Fee • MCPC member : 30,000 yen • MCPC non-member : 60,000 yen ● Certification test fee Contact the certification body.

- Follow the instructions on the URL page of the certification body in the table above for application.
 - Obtain various documents necessary for certification from a certification body.
 - Obtain from MCPC designated certification body, their contract documents.
- For a certification fee, the certification body will collect the MCPC fee and the certification test fee together.

(4) Submit various documents and contract documents to MCPC designated certification body

Submit various documents and contract documents necessary for certification to the MCPC designated certification body.

(5) Pay basic certification fee to the MCPC designated certification body

Pay a certification fee to the MCPC designated certification body. They will charge the MCPC fee and the certification test fee together.

For details on payment methods, etc. please follow the instructions of the MCPC designated certification body.

(7) Consent for use of Mobile Battery Charging Safety Certification Logo

Fill out the "MCPC Mobile Battery Recharging Safety Certification Logo Application Form" obtained under (1) above, and submit it to the MCPC Secretariat.

(8) Documents for use of the logo arrives

After the MCPC Secretariat receives the "Application for Use of MCPC Mobile Battery Charging Safety Certification Logo", the logo data and logo usage manual will be sent to the designated address by e-mail.

(9) Issue Certificate of Conformance (ID)

- MCPC issues a certificate of confirmation (ID) to those who have passed the test.

After the certificate is issued, the product may be marked with the logo for sale.

The actual use of the MCPC logo shall be in accordance with the rules in the logo usage manual distributed by MCPC.

(10) List of Companies Supporting MCPC Certification and Posting on the Link

- If an examinee wishes, the applicant company's logo and link to its website can be included in the list of MCPC certification supporting companies.

If you wish to apply, please send the following information in an e-mail to the MCPC Secretariat.

1. URL for a link

Each for a Japanese site and an English site (the same URL for Japanese and English is also acceptable).
In principle, the URL should not be changed in the future.

2. Company name, product name, Certificate of Conformance (ID)