

Chinese legislation for the purpose of controlling and reducing the pollution to the environment caused by electrical and electronic product waste

On January 21, 2016 the law entitled, Administration on the Control of Pollution Caused by Electronic Information Products (ACPEIP or China RoHS I), was replaced by a new regulation with the official title (translated) "Management Methods for the Restriction of the Use of Hazardous Substances in Electrical and Electronic Products". The law, which is known as China RoHS II, went into effect on July 1, 2016.

The law extends the product scope of China RoHS I from "Electronic Information Products" (EIP) to "Electrical and Electronic Products" (EEP). In particular, the scope of China RoHS II covers:

- Equipment and auxiliary products that depend on electric currents or electromagnetic fields in order to work properly
- Equipment for the generation, transfer and measurement of such currents and fields, and
- Equipment designed for use with a voltage rating not exceeding 1000 V for alternating current and 1500 V for direct current, with the exception of equipment involved in the electricity generation, transmission and distribution.

In addition, the list of restricted substances was extended to include "other hazardous substances prescribed by the state." All declarable or prohibited substances were adopted from China RoHS I. Their limits follow and comply with the limits of the same substances named in EU Regulation 2011/65 / EU (RoHS II), Annex II:

- Cadmium (Cd) and its compounds: 0.01%
- Mercury (Hg) and its compounds: 0.1%
- Lead (Pb) and its compounds: 0.1%
- Hexavalent chromium (Cr(VI)) and its compounds: 0.1%
- Polybrominated biphenyls (PBB): 0.1 %
- Polybrominated diphenyl ethers (PBDE): 0.1 %

China RoHS II

China RoHS II requires that all electrical and electronic products that fall under the scope of China RoHS II be marked with one of the following two logos, as stipulated in the Chinese standard SJ/T 11364-2014 for marking EEPs. The choice of logo depends on whether the product contains hazardous substances above their respective thresholds. The logo does not need to be marked directly on the product, if

- the surface area of a product to be labelled is smaller than 5000 mm²,
- the product has an exceptional form, or
- marking would lead to any functional disturbances.

In such cases, this information must be provided in a different form.



Marking acc. SJ/T 11354-2014:

Logo 1



Logo 2

- Logo 1: This product contains no hazardous substances and can be recycled.
- Logo 2: This product contains at least one hazardous substance but can be used safely during its environmental protection use period (EPUP), which is as indicated by the number in the center. After its defined EPUP the product should be recycled or disposed of properly.

Manufacturers are required to provide relevant information about products that contain restricted or declarable substances. Information about affected RF360 products can be found in the RoHS list.

Based on experience, knowledge of the materials used for passive components and physical and chemical considerations RF360 has defined an EPUP of 50 years for its product range.