

Constitution Prospectus of Committee for standardization of emission rate of VOC from building products

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Secretary (JTCCM)

0. Background and Purport

- It is required that indoor air concentration of VOC shall be measured under the Housing Performance Indication Standards on Housing Quality Assurance Act, and the notification of public residence from MLIT (Ministry of Land, Infrastructure, Transport and Tourism).
- Manufacturers of 90% or more hoped to standardize VOC emission in the survey which conducted by Japan Construction Material & Housing Equipment Industries Federation.
- Japan Shikkui Association and Sick House Syndrome Association released VOC emission criteria. They stand on a victim position. It is predicted that some related Associations will make and release an independent criterion.
- A Committee which consists of academic experts, manufacturers, users, etc. is launched as a secretariat of JTCCM which related to make JIS for measurement methods and general rules of formaldehyde and VOC.
- The independent standard by the Committee is considered a consensus on various own criteria of related organizations, moreover the harmonization with product labelling systems of overseas.

1. Social character

- 1) The standard will be opened and released by using the name of the Committee as a common "Scale", which can select and judge building products on common recognition of a manufacturer, seller, user, and buyer.
- 2) The new standard is assumed to be referred in a document such as a construction specification which is defined by government, independent administrative agency, autonomy, etc., and to be used in an own criterion of organization.
- 3) The Committee will discuss and define standard values, moreover basic rules for performance indication based on the standard, and also standardization for measurement method, evaluation, judgment, and indication, etc.
- 4) The Committee will also discuss general rules and will make a guideline to use the standard. Because it is predicted that an organization which will refer and use the standard in an own criterion will certificate based on it.

2. The bench mark and Basic frame for using the standard

2.1 The bench mark

- 1) Target substance of the standard is the substance required under the Housing Performance Indication Standards on Housing Quality Assurance Act, and notification, etc.
- 2) The standard value corresponds to F four star of formaldehyde.

2.2 Basic frame for using the standard

- 1) It is predicted that VOC should be under detection limit.

Manufacturer which makes a VOC no emission product declares by oneself at the same way of formaldehyde. In addition, the third party such as Japan Construction Material & Housing Equipment Industries Federation controls indications and uses.

- 2) Product which is predicted that VOC will emit.

Case 1: Manufacturer and buyer indicate and certificate a performance of VOC emission based on the basic rules defined by the Committee under the self responsibility.

Case 2: When it will use for an own criterion of organization, it should be defined a management policy based on the basic rules defined by the Committee under the responsibility of the organization.

- 3) Organization which refer to the standard in a document such as a specification.

Each organization uses the standard based on the acceptance system of products.

Test and evaluation organization should measure, evaluate, and certificate for the conformity to the standard when that each organization will require it.

Framework of the Committee

