

Research Trends and Results

Efforts to draft construction-related technical standards

Building Department Standards and Accreditation System Division Head FUKAI Atsuo
Senior Researcher INOUE Namihiko Senior Researcher IWATA Yoshihiro
Researcher KABEYASAWA Toshikazu Researcher YOKOTA Yoshihiro

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1, Architecture

Technical standards to ensure safety in accordance with the building have been stipulated in the Building Standards Law.

We appropriately need to review these construction-related technical standards in accordance with the development of research and technology and the disaster.

Therefore, as the research results conducted by National Institute for Land and Infrastructure Management (NILIM) and as the system to promote standardization (Ministry of Land, Infrastructure, Transport and Tourism Auxiliary business and Project to assist the search cost to business entities that country to set research agenda selected by the public) based on the results (In fiscal year 2012, "Building Construction Standards Committee (Tetsuo Kubo, Professor Emeritus, University of Tokyo, Chairman)", in fiscal year 2013, Building fire protection Standards Committee "(Tokyo University of Science Professor Makoto Tsujimoto Chairman) was staffed in NILIM), we established a system to create a draft technical standards taking into account the opinions of external experts.

In addition, we set up a "contact point" in cooperation with relevant organization for the advanced rationalization of technical standards, and we widely support the proposal of the development and review of standards from the private sector. (Fig.1)

2, Building Construction Standards Committee

Considering the damage to buildings in the Great East Japan Earthquake, in fiscal year 2012, we created a draft of technical standards on the structure of the requirements concerning the tsunami evacuation building.

In fiscal year 2013, based on the damage the earthquake, we are continually advancing the discussions on measures of the falling of escalators and the ceiling dropping.

After the fourth committee was held on July 9, we continue the investigation based on the feedback that has been received, subjected to public comment on the draft technical standards from the end of July to September 15.

3, Building Fire Protection Standards Committee

We held the first committee on October 10 and deliberated the plans of subsequent experiments and the criteria for the fire protection with regards to the three-story wooden school referring to the results of Full-scale fire experiment of three-story wooden school (preliminary experiment) carried out

on February 22, 2013 to promote the construction of a large wooden building.

Continuously, we plan to study the related technical standards for fire protection that takes into account the experiment.

4, Contact point

At the contact point, we accept the proposal of the review and maintenance of standards in terms of technical standards, such as stand-alone provision of the Building Standards Law from the private sector, gaining the cooperation of the Building Research Institute (an independent corporation), and we also have studied from a technical standpoint at NILIM.

In fiscal year 2013, we accept 10 new proposals, and review and technical standards, we also treated with 33 out of the proposals which had been accepted in previous years (as of December) by the decision to review of technical standards or the decision not to be reviewed.

(Reference website : General Administrative Information Center Building Foundation
http://www.icba.or.jp/cp/cp_top.html)

5, Future plans

Being based on the movement of Panel on Infrastructure Development, we are scheduled to consider the review of technical standards in accordance with the progress of the investigation and research will continue.

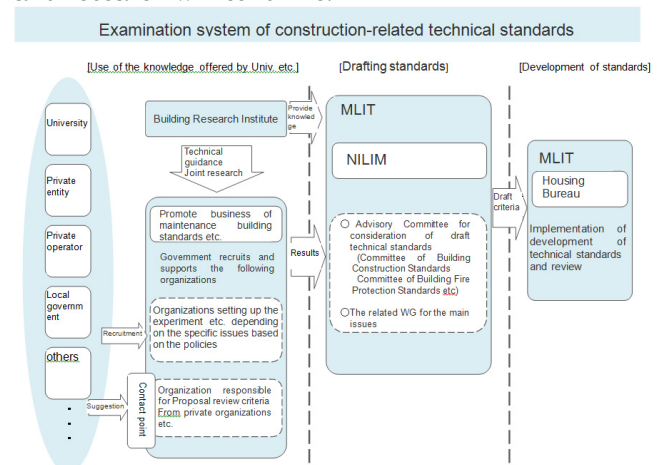


Fig.1 Examination system of construction-related technical standards