

JAPAN BUILDING DISASTER PREVENTION ASSOCIATION

▪ AIM OF ASSOCIATION

The Association aims to contribute to the safety of human lives and properties through investigating and disseminating disaster prevention systems and techniques related to maintenance of building environment.

▪ HISTORY AND DEVELOPMENT OF THE ASSOCIATION

5 January 1973: Japan Association for Special Buildings Safety

Contributing Foundations:

Japan Scientific Fire Prevention Association

Japan Federation of Architects & Building Engineers Associations

Building Contractors Society

Japan Association of Architectural Firms

The Building Center of Japan

2 April 1979: The name of the organization is changed to *Japan Building Disaster Prevention Association* by unifying with Japan Scientific Fire Prevention Association and widening its activities.

▪ MAJOR ACTIVITIES

The Association conducts investigations and researches on disaster prevention of existing buildings and other disaster mitigation issues. Following are the major activities contributed by the Association:

- 1) To investigate systems for building disaster prevention and to disseminate the developed systems
- 2) To investigate new techniques for building disaster prevention and to provide guidance for their wide application
- 3) To provide services related to disaster prevention and seismic evaluation of buildings
- 4) To promote the public awareness on disaster prevention
- 5) To provide educational programs designated by the Minister of Land, Infrastructure and Transport, to special structural investigator licensee candidates
- 6) To prepare seminars and research meetings, to publish association bulletins, technical standards, guidelines, committee reports etc.
- 7) To conduct activities other than listed above to accomplish the aim of the Association



Chairman of the Board of Directors
Dr. Isao Sakamoto

Holding educational lectures and training professionals are an important role of the Association:

- Annually held seminars to qualify licensed special structures inspectors in accordance with the Building Standard Law, Article 12.1
- Educational seminars on seismic evaluation and retrofit based on the Standard and Guidelines issued by the Association

The monthly bulletin of the Association “*Kenchiku Bosai* (which denotes *building disaster prevention* in Japanese)” is delivered to members. The members, consisting of corporate members and individual members, have also privileges including discount for the publications and seminar fees.



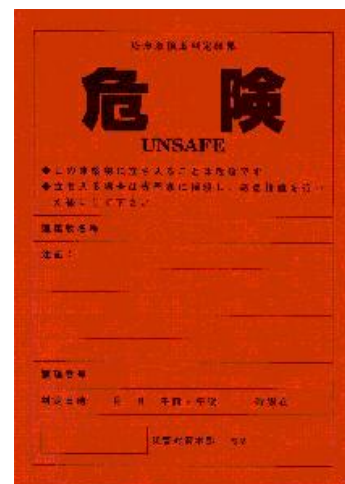
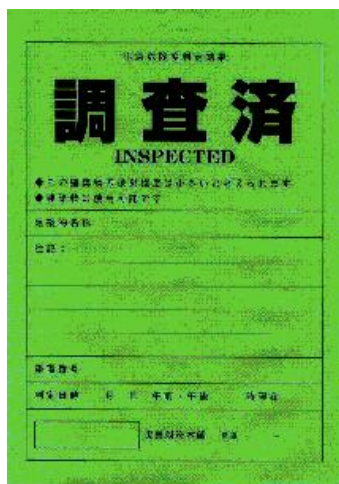
● MAJOR ACTIVITIES BY COUNCILS HEADQUARTERED IN THE ASSOCIATION

National Network for Promotion of Seismic Retrofit:

To promote the implementation of effective and prompt seismic evaluation and retrofit of pre-1981 vulnerable buildings, which caused devastating damage in the 1995 Great Hanshin-Awaji Earthquake Disaster, the voluntary network was organized on April 21, 1995. The Network aims to encourage mutual cooperation of groups, associations and committees related to building and architectural engineering, and to enhance exchange of their information, knowledge and experiences.

National Council for Post-earthquake Rapid Inspection of Buildings:

The Council was founded on April 5, 1996, to form systems ready for rapid inspection of affected buildings immediately following a damaging earthquake. The Association is currently contributing to standardization of the rapid inspection procedure and to coordinating backup system of affected area by neighboring municipalities.



Placards posted on inspected buildings

Council for Promotion of Building Disaster Prevention:

The Association contributes to promoting building disaster prevention and to disseminating appropriate building maintenance and use. It also distributes pamphlets (as shown right) and posters to raise the public awareness on building disaster prevention in the Disaster Prevention Week.

Council on Fire Resistive Materials:

The Council aims to discuss and solve problems related to fire resistive materials by member organizations qualified by the Minister of Land, Infrastructure and Transport, to disseminate the obtained knowledge and to guide their users based on the technically sound solutions. The Council also introduces these materials through seminars and booklets.



● MAJOR ACTIVITIES BY TECHNICAL COMMITTEES IN THE ASSOCIATION

Committee on Evaluation of Building Disaster Prevention Techniques:

The Committee evaluates and approves newly developed and innovative technologies primarily related to disaster prevention of existing buildings. The Committee is expected to serve for their appropriate and prompt application through identifying technically sound solutions for building inspection, design, construction, maintenance etc.

Committee on Evaluation of Computer Programs for Seismic Evaluation:

Cooperating with the Japan Association for Building Research Promotion, the Committee evaluates and approves computer programs designed for seismic evaluation of steel, reinforced concrete, and SRC composite building structures, to serve as a basis for appropriate application of the Seismic Evaluation Standards.

Committee on Seismic Evaluation and Retrofit of Existing Building:

The Committee reviews, evaluates, and approves seismic evaluation and/or seismic retrofit proposals, primarily focusing on their modeling and solutions from technical and practical soundness point of view. The Committee covers, not only buildings evaluated in accordance with Seismic Evaluation Standards and Retrofit Guidelines published by the Association or those stipulated in the Law of Promotion of Seismic Retrofit, but also buildings in which seismic isolators or response control devices are installed and those requiring advanced investigations.

Committee on Fire Prevention and Safety Planning of Underground Shopping Malls:

The Committee evaluates and identifies the safety of underground shopping malls throughout the country.

MAIN PUBLICATIONS:

(a) Publications on Seismic Evaluation and Retrofit

- Seismic Evaluation Standards, Guidelines for Seismic Retrofit, and Their Application Examples (Reinforced Concrete Buildings, SRC Composite Buildings, and Steel Buildings)
- Detailed Seismic Evaluation and Retrofit of Wooden Houses
- Seismic Retrofit Applications of Existing Reinforced Concrete Buildings and many others

(b) Publications on Post-earthquake Measures

- Guidelines for Post-earthquake Damage Evaluation and Rehabilitation of RC Buildings
- Rapid Inspection Manual for Post-earthquake Safety of Buildings and Houses (Joint Publication with National Council for Post-earthquake Rapid Inspection of Buildings)

(c) Other Publications

- The Law of Promotion of Seismic Rehabilitation -Provisions and Commentary- (Joint Publication with the Building Center of Japan)
- Guidelines on the Countermeasures for Floods in Underground Spaces
- Building Disaster Prevention Handbook (annually issued) and others

(d) General Leaflets

- Prepared for Earthquakes – Seismic Performance of Your House
- Seismic Evaluation and Retrofit of Your House
- Seismic Retrofit Techniques and Applications for Detached Houses
- Safety Countermeasures for Floods – For a Life without Worry
- Health Checkup of Buildings – Regular Reporting System

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