

法規名稱：MEMORANDUM OF UNDERSTANDING BETWEEN THE CANADIAN TRADE OFFICE IN TAIPEI AND THE TAIPEI ECONOMIC AND CULTURAL OFFICE, CANADA ON EARTHQUAKE ENGINEERING

簽訂日期：民國 90 年 09 月 17 日

生效日期：民國 90 年 09 月 17 日

The Canadian Trade Office in Taipei (CTOT), on behalf of the Technology Directorate/Public Works and Government Services Canada (hereinafter referred to as PWGSC) and the Taipei Economic and Cultural Office, Canada (TECO), on behalf of the National Center for Research on Earthquake Engineering/National Science Council, Taiwan (hereinafter referred to as NCREE) will cooperate in research on Earthquake Engineering and related topics in accordance with the following.

I OBJECTIVES

The objectives of the collaboration are as follows:

- (a) To promote collaborative earthquake engineering research between research personnel in PWGSC and NCREE;
- (b) To facilitate advances in seismic hazard mitigation through exchange of information and joint research;
- (c) To encourage public awareness of seismic risks and hazards;
- (d) To encourage collaboration and to facilitate transfer of technology between industry and research communities on earthquake engineering practice.

II FORMS OF COOPERATION

The following types of activities may be undertaken:

- (a) Exchange of information on research projects involving the repair, upgrade and strengthening of structures, particularly those located in high seismicity areas;
- (b) Collaborate in the development of associated codes and standards on Advanced Composite Materials (ACM) and non - structural components;
- (c) Conduct joint demonstration projects through the exchange of research personnel from PWGSC and NCREE, and organize works-

hops in Canada and / or Taiwan arising from research results in earthquake engineering, fire protection and other similar natural hazards;

- (d) Joint research projects to be carried out under the general scope of this Memorandum of Understanding;
- (e) Other co - operative activities which would further the objectives of this Memorandum of Understanding.

III LABORATORY TESTING AND COMPUTATIONAL FACILITIES

- (a) Large - scale joint testing projects will be conducted in Taiwan using NCREE's shake table and other testing facilities;
- (b) Major analytical development work will be carried out in Canada using PWGSC's and their partner's facilities.

IV POSSIBLE SUBJECT AREAS OF COOPERATION

The following subject areas are suggested for research topics:

- (a) Development of environmentally friendly and cost - effective methods for the repair and upgrade of deteriorated structures for earthquake resistance;
- (b) Establishment of durability and performance criteria for advanced composite materials and the development/enhancement of codes of practice in the use of these materials in the repair, retrofit and strengthening of existing structures;
- (c) Establishment of construction material performance indicators and development of a reliability - based service life prediction method based on performance indicators and probabilities;
- (d) Development/enhancement of standards/guidelines for seismic evaluation and upgrade of operational and functional components;
- (e) Development/enhancement of comprehensive design guidelines and code standards on the fire protection of building systems.

V FINANCIAL CONDITIONS

No financial commitments are involved in this Memorandum of Understanding. It is understood that, in future, participation in specific research activities will be subject to availability of funds. Under the auspices of this Memorandum of Understanding, the financial details of specific project activities will be arranged separately for each undertaking or initiative.

VI LANGUAGE

The English language will be used for all correspondence and documents.

VII THIRD PARTY INVOLVEMENT

In cases where participation under this Memorandum of understanding is facilitated through agreements between either PWGSC or NCREE and third parties, the provisions of said agreements will apply only to the parties to the said agreements. However, this does not exclude the possibility of future specific agreements including both PWGSC, NCREE and interested third parties.

VIII DISPOSITION OF INTELLECTUAL PROPERTY

All technical information developed through joint activities under this Memorandum of Understanding, will be available for use by both parties, unless otherwise restricted by virtue of intellectual property rights, etc.

IX CONFIDENTIALITY

- (a) Any information of a confidential nature furnished under or as a result of this Memorandum of Understanding (such as trade secrets and technical know - how, or information with an obligation concerning its confidentiality requested by either party) will be protected at the level of security requested by the party furnishing such information.
- (b) If individuals, participating in joint projects under this Memorandum of understanding, need to know trade secrets of confidential information , specifically designated, such in-

dividuals shall agree by a separate binding agreement to refrain from disclosing said trade secrets of confidential information both during the term of this Memorandum of Understanding and thereafter, unless otherwise authorized for disclosure by the owner of such secrets or information.

X COMING INTO EFFECT AND DURATION

This Memorandum of Understanding will come into effect upon signature by both parties. This memorandum may be amended by written consent of the parties. Either party may terminate this memorandum by providing the other party with three months advance written notice. Unless otherwise agreed, such termination will not affect the validity of any arrangements made under this Memorandum of Understanding. In any event, this Memorandum of Understanding, will expire on the 30th June 2005.

X I COORDINATION

PWGSC and NCREE will each appoint a contact person to coordinate activities under this Memorandum of Understanding, with the intention that there be regular communication between the two coordinators to assist in the implementation of this Understanding.

The contact persons representing their respective organizations will also serve as the Steering Committee of the co-operative research program, outlined in this Understanding. The functions of the Steering Committee include the planning, approving and implementing of the research projects under this Understanding.

PWSGC's contact person:

Director of Technology

Architectural & Engineering Services

Public Works and Government Services Canada

Place du Portage, Phase III, 8Bj

Hull, Quebec, K1A 0S5

NCREE's contact person:

Director

National Center for Research on Earthquake Engineering

#200, Sec.3.Hsinhai Road

Taipei, Taiwan

The Taipei Economic and Cultural Office, Canada	For the Canadian Trade Office in Taipei
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RESEARCH ON EARTHQUAKE
ENGINEERING/NATIONAL
SCIENCE COUNCIL, TAIWAN

for TECHNOLOGY DIRECTORATE
PUBLIC WORKS AND
GOVERNMENT SERVICES
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