



At last Eurocode 8 for Malaysia is out !!!!!



SEMINAR ON MALAYSIA NATIONAL ANNEX TO EUROCODE 8 - DESIGN OF STRUCTURES FOR EARTHQUAKE RESISTANCE

11 October 2018 (Thursday), Concorde Hotel, Shah Alam

Introduction

The Department of Standards Malaysia, a government agency under the Ministry of Energy, Science, Technology, Environment & Climate Change has established the Malaysia National Annex, which was developed by Working Group 1 on Determination of PGA under Local and Far Field Seismic Condition, under the supervision of Technical Committee on Earthquake both are committees under the purview of ISC D (Building, Construction and Civil Engineering). At the same time, a special committee consisting of Malaysian experts from various organisations has been formed as part of the team in the establishment of the Malaysian earthquake standards for Malaysia.

The time and effort taken in preparing the draft Malaysia National Annex to MS EN 1998-1 deserves much credit. The development of this National Annex was initiated in 2007 until its publication in 2017. In 2009, relevant international and foreign standards had been studied as part of the preparation of the draft. The TC on Earthquake, which was then managed and chaired by IEM, had also organised a series of events, including symposiums and workshops from 2011 to 2013 that caught the interest of both local and international experts. In 2016, due to the overwhelming comments received, the draft underwent major changes to incorporate the Malaysian interest, mainly the elements of public safety.

With the expanded committee that engaged both industries and academia, the Malaysia National Annex to MS EN 1998-1 has been successfully published. It contains information on Nationally Determined Parameters to be used for the design of buildings and civil engineering works to be constructed in Malaysia. These Nationally Determined Parameters are to be read in conjunction with MS EN 1998-1:2015. Eurocode 8: Design of structures for earthquake resistance - Part 1: General rules, seismic actions and rules for buildings. Reference can be made to other parts of BS EN 1998. Where applicable.

Target Groups

- Building contractors
- Consulting engineer
- Government agency/Local authorities/Regulatory agency
 Universities/Academia/Researcher

Supported by:

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Objectives

- To impart understanding on the earthquake design principles including the performance requirements and compliance criteria
- To promulgate Nationally Determined Parameters for Malaysia which include the application of informative annexes, country specific data (geographical, climatic, etc.)
- To guide user in the implementation of MS EN 1998-1 for building design

TENTATIVE PROGRAMME

8.30 am Arrival and Registration 9.00 am Paper 1: Introduction to National Annex EC8 tr. Kamaluddin Abdul Rashid Chairman, WG1 - Determination of PGA for Malaysia/ Member of TC on Earthquakes Deputy Director General (Building Sector), Public Works Deputment: Malaysia (JKR)

10.00 am Refreshment 10.30 am Paper 2: Earthquake in Malaysia

> Dr. Mohd. Rosaidi Che Abas Committee member of TC on Earthquakes

Committee member of IC on Estimations Committee member of WG1 – Determination of PGA for Malaysia/ Former Deputy Director General (Operational), Malaysian Meteorological Department (MMD)

11.30 am Paper 3: Active Faults in Malaysia

Professor Dr. Felix Tongkul Member of TC on Earthquakes

Committee Member of WG1 – Determination of PGA for Malaysia Director of Natural Disasters Research Centre, Faculty of Science and Natural Resources, Universiti Malaysia Sabah (UMS) 12.30 pm Lunch

2.00 pm Paper 4: Seismic Hazard Assessment

Professor Dr. Azlan Adnan

Member of TC on Earthquakes Committee Member of WG1 – Determination of PGA for Malaysia/ Department of Structure & Materials, Faculty of Civil Engineering Universit Teknologi Malaysia (UTM)

3.00 pm Paper 5: Design of Buildings using EC8

Ir. Professor Dr. Jeffrey Chiang Choong Luin

Committee member and former Chairman of TC on Earthquakes, Vrice-President of The Institution of Engineers Malaysia (IEM) Chairman of Corporate Atlains, The Institution of Engineers Malaysia (IEM)/Professor of Civil Engineering, Faculty of Engineering & the E Environment, SEG University

4.00 pm Panel Discussion and Q&A Session Moderator: Ir. Kamaluddin Abdul Rashid Panelists: All Speakers

4.30 pm Refreshment and End of Seminar

Note: All package including Certificate of attendance. Anch and refreshment

Login for online registration: www_sirimsts.my/

Earthquake resistance test sample using BSI code



RM250.00

Fees:

Group Discounts

participants, 10%

4 participants: 5% & 5 or more

Certificate of Earthquake Resistance Test



e-SEER Engineering Seismology and Earthquake Engineering Research



Earthquake Resistance System Tested on 18 August 2011 @ Laboratory of Shake Table Testing Faculty of Civil Engineering Universiti Teknologi Malaysia 81310 Skudai, Johor



Earthquake Resistance Test of Scaled-Down Double Storey Building of HC PRECAST SYSTEM SDN. BHD.

Under 8 different real earthquake time histories over the world as follow:

Earthquake	Year	Scaled PGA (g)	Magnitude	Result
El-Centro, California	1940	0.96	7.1	
Tabas, Iran	1978	0.114	7.4	
Irpinia, Italy	1980	0.606	6.5	
Kobe, Japan	1995	1.035	6.9	
New Zealand	1987	0.165	5.6	
Taiwan SMART1	1983	0.117	6.8	0
Duzce, Turkey	1999	0.075	7.1	
Malaysia Artificial		0.606	-	

The HC PRECAST SYSTEM performed extremely well throughout all the earthquake tests without any visible cracks or damages $\Lambda \Lambda$



Briefing by the UTM's Professor









Earthquake Resistance Test In Progress - Shake Table at UTM Lab















Success in Earthquake Resistance Test up to 7.4 Magnitude using BSI Code





THANK YOU