ATC-50 SEMINAR ON SEISMIC EVALUATION, GRADING AND REHABILITATION OF SINGLE-FAMILY WOOD-FRAME DWELLINGS

Sponsored by:
Applied Technology Council
Los Angeles Department of Building and Safety

January 17th, 2002, 9 a.m. to 5 p.m.
(Registration 8:00 a.m. to 9:00 a.m.)
Wyndham Hotel
City of Commerce, California

Program and Registration Information

SEMINAR ON SEISMIC EVALUATION, GRADING AND REHABILITATION OF SINGLE-FAMILY WOOD-FRAME DWELLINGS
Los Angeles • January 17, 2002

The Purpose of the Seminar is to provide participants with detailed information about the ATC-50 seismic evaluation, grading and rehabilitation procedures, including an overview of the pilot testing phase of the project in which 500 buildings were evaluated and graded using preliminary versions of the procedures, and 50 homes were retrofitted.

Seminar Program. The one-day seminar program includes plenary sessions and break-out sessions to provide a more conducive environment for questions and discussions about the new ATC-50 procedures. Topics include:

- the ATC-50 Seismic Evaluation and Grading Procedures,
- the ATC-50-1 Seismic Rehabilitation Guidelines, and
- incentives for homeowners to participate voluntarily in the program (ATC-50-2 report, Safe at Home in Earthquakes: A New Earthquake Safety Program).

Who should Attend. The program has been developed for building inspectors, contractors, structural design professionals, building officials, and representatives of insurance companies and financial institutions.

Seminar Location
Wyndham Hotel
5757 Telegraph Road
City of Commerce, California 90040
Phone: 1-800-784-1180

Sponsoring Organizations
APPLIED TECHNOLOGY COUNCIL
555 Twin Dolphin Drive, Suite 550
Redwood City, California 94065
Phone: 650-595-1542
Fax: 650-593-2320
CITY OF LOS ANGELES,
DEPARTMENT OF BUILDING AND SAFETY
201 N. Figueroa Street
Los Angeles, California 90012
Phone: 213-977-6380

Financial Sponsors
CALIFORNIA OFFICE OF EMERGENCY SERVICES
FEDERAL EMERGENCY MANAGEMENT AGENCY
U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

Registration Information. The registration fee is $150 ($120 for ATC Subscribers) and covers copies of the ATC-50, ATC-50-1, and ATC-50-2 reports, lunch, and coffee breaks. A late fee of $25 will be imposed on paid registrations postmarked or faxed after January 7, 2002. Persons interested in registering should complete, detach, and submit the Registration Form to ATC.

Seminar Cancellation Policy. Registrations cancelled 1 month before the seminar will be fully refunded. Cancellations between 1 month and 1 week before the seminar will be subject to the $25 late registration fee. Within 7 days of the seminar, no refunds will be given.

Continuing Education Units (CEUs). Participants will receive documentation for 0.8 CEUs or 8 equivalent hours.

AIA Credits. ATC is in the process of obtaining American Institute of Architects Continuing Education certification and may be authorized to offer AIA credits for this seminar.

Current information about the ATC-50 Seminar may also be found online at: www.atcouncil.org
THURSDAY, JANUARY 17, 2002
8:00 a.m. - 9:00 a.m.: Seminar Registration

PLENARY SESSION

9:00 a.m.: Welcome and Introductions;
Andrew A. Adelman, City of Los Angeles;
Christopher Rojahn, Applied Technology Council
Purpose, agenda, handouts, companion volumes.

9:10 a.m.: Project Overview and Challenges;
Ronald Eguchi, ImageCat, Inc.;

9:40 a.m.: ATC-50 Rating Methodology and
Simplified Seismic Assessment Form;
David Breitholz and Shafat Qazi, BQE, Inc.

10:40 a.m.: Break

11:00 a.m.: ATC-50-1 Seismic Rehabilitation Guidelines: An Overview;
Robert Bruce, Wiss, Janney, Elstner Associates, Inc.

NOON: Lunch

BREAKOUT SESSIONS

Sessions A & B given twice in afternoon with a break in between.

1:15 p.m.: Breakout Sessions I

Session A: Inspections
Use of Simplified Seismic Assessment Form (including retrofit decisions)
David Breitholz and Shafat Qazi, BQE, Inc.
Examples and Case Studies
Eric Stovner, Thornton-Tomasetti/Coil and Welsh, LZA

Session B: Rehabilitation Guidelines
Use of Guidelines
Robert Bruce, Wiss, Janney, Elstner Associates, Inc.
Examples and Case Studies
Terry Stern, Stern's Construction; Fred Cohen, Avalin Design & Construction Co.

2:15 p.m.: Break (Transition)
Those attending Session A or B at 1:15 p.m.
now have the opportunity to attend the
alternate session, both of which will be
repeated at 2:30 p.m.

2:30 p.m.: Breakout Sessions II

Session A: Inspections
Use of Simplified Seismic Assessment Form (including retrofit decisions)
David Breitholz and Shafat Qazi, BQE, Inc.
Examples and Case Studies
Eric Stovner, Thornton-Tomasetti/Coil and Welsh, LZA

Session B: Rehabilitation Guidelines
Use of Guidelines
Robert Bruce, Wiss, Janney, Elstner Associates, Inc.
Examples and Case Studies
Terry Stern, Stern's Construction; Fred Cohen, Avalin Design & Construction Co.

3:30 p.m.: Transition

PANEL SESSION

3:50 p.m.: Future Use of ATC-50 by City of
Los Angeles;
Nick Delli Quadri and Perry Singerman, City
of Los Angeles; Thomas Tobin, Tobin and
Associates

4:30 p.m.: Certification Examinations;
Dave Nelson, International Conference of
Building Officials

4:45 p.m.: Question and Answer Period;
Closing Comments;
Christopher Rojahn, Applied Technology Council

5:00 p.m.: Adjournment.

ATC-50 SEMINAR HANDOUTS

ATC-50: Seismic Evaluation and Grading Procedures, which enable an inspector to
evaluate a detached single-family wood-frame dwelling and assign, using a four-page Simplified Seismic Assessment Form, a seismic
grade, ranging from A through D. (Each grade represents an expected range of damage,
expressed as a percentage of replacement cost, should the dwelling be subjected to
severe earthquake ground shaking.)

ATC-50-1: Seismic Rehabilitation Guidelines, which provide prescriptive methods,
simplified engineering methods, and fully engineered methods that, if implemented, allow
the homeowner to improve the seismic grade. The guidelines also include basics of wood-frame house construction and seismic resis-
tance, recommend a process to be followed in making preliminary rehabilitation decisions,
provide guidance pertaining to the Los Angeles Cripple Wall provisions, and address the
seismic rehabilitation of nonstructural building components.

ATC-50-2: Safe at Home in Earthquakes: A New Earthquake Safety Program, providing
guidance on how to develop and implement a market-driven, incentives-based program to
induce homeowner use of earthquake performance evaluation forms and rehabilitation
guidelines produced by the ATC-50 Project. Success is predicated on creating commercial
interest in promoting evaluations and retrofits, creating a demand by homeowners, home
buyers, lenders and insurers for evaluations and improved earthquake performance.
Incentives and other market-making mechanisms are described, and roles for government
and private organizations for a coordinated and long-term program are recommended.

Cover photo from Lagorio, Friedman, and Wong, 1986.
ATC-50 SEMINAR REGISTRATION FORM: LOS ANGELES, CALIFORNIA

NAME(S) ________________________________________________________________

ORGANIZATION __________________________________________________________

ADDRESS __________________________________________________________________________

CITY/STATE/ZIP CODE _____________________________________________________________

BUSINESS PHONE ___________________________ FAX NUMBER ____________________________

Seminar Registration Fee: $150 per registrant ($120 for ATC Subscribers) __________ $

☐ Please enroll me as an ATC Subscriber (25.00 per year, individual rate) __________ $

Late Registration Fee: add $25 per registrant (if postmarked or faxed after January 7, 2002) __________ $

TOTAL ENCLOSED __________ $

Payment may be made by check or credit card (MasterCard or VISA). If paying by credit card, please provide the following information: ☐ MasterCard ☐ VISA # ____________________________ Exp: ________/____

Name (as it appears on the card) ______________________________________________________

Checks should be made payable to ATC. Please mail or fax your completed form with the appropriate payment to:

Applied Technology Council, 555 Twin Dolphin Dr., Suite 550, Redwood City, CA 94065  FAX: 650/593-2320