

ATC-20-1

**Field Manual: Postearthquake Safety
Evaluation of Buildings**

by
APPLIED TECHNOLOGY COUNCIL
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Preface

In July 1987 the California Governor's Office of Emergency Services (QES), California Office of Statewide Health Planning and Development (OSHPD), and Federal Emergency Management Agency (FEMA), jointly awarded ATC a contract to develop procedures for postearthquake safety evaluation of buildings. This led to the development of the ATC-20 report "Procedures for Postearthquake Safety Evaluation of Buildings."

ATC-20 documents procedures and guidelines for the safety evaluation of damaged buildings. These are written specifically for volunteer structural engineers, and building inspectors and structural engineers from city building departments and other regulatory agencies, who would be required to make on-the-spot evaluations and decisions regarding continued use and occupancy of damaged buildings.

To provide the ATC-20 methodology in a concise, easy to use field reference document, this Field Manual was developed as part of the ATC-20-1 project, a follow-on project sponsored by OES and OSHPD. The Field Manual is intended to be taken into damaged areas and used by those trained in the ATC-20 methodology.

R. P. Gallagher Associates, Inc., a structural and earthquake engineering firm with experience in the seismic evaluation of buildings, served as the project subcontractor and prepared this Field Manual. Ronald P. Gallagher served as Principal-in-Charge.

Members of the Project Engineering Panel who provided overall review and guidance for the project were: Robert A. Bruce, Ted M. Christiansen, Richard L. Hubinger, Franklin Lew, Christopher Rojahn (Principal Investigator), Arthur E. Ross (ATC Board Contact), James E. Russell, Earl Schwartz, and Karl V. Steinbrugge. Rdd Consultants prepared the manuscript for publication. Affiliations of these individuals are provided in Appendix F:

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