Post-Earthquake Response and Recovery: The NCSEA SEER Program

Scott G. Nacheman, MSc.Eng., AIA

1 Director, US Midwest Region-Forensics, DeSimone Consulting Engineers. Past-Chair, NCSEA Structural Engineering Emergency Response Committee.

Thursday, 7 March 2019
AGENDA

- History of NCSEA SEER?
- SEER Today
- NCSEA + ICC
- Resource Typing
- CalOES SAP
- Deployments
- Q & A
HISTORY OF NCSEA SEER
September 11, 2001:
How do we triage dozens of affected structures...???
Identify a problem...and...
LESSONS LEARNED:

“WORLD TRADE CENTER DISASTER: STRUCTURAL ENGINEERS AT GROUND ZERO”
November 2001 peer-reviewed white paper by August Domel, Ph.D, S.E., P.E.

Resulted in formation of NCSEA SEER Committee
SEER Plan / SEER Teams

- **SEER Plan Manual:**
  - Organizational, Response, and Reference Info.
  - How to solicit volunteers.
  - Staffing requirements and job descriptions.
  - How to organize a field office.
  - Managing assessment teams.
  - Reference information: legal and insurance.
  - Good Samaritan laws.
  - Safety Equipment.
  - Coordination with other emergency response personnel.
SEER Manual, 2nd edition

PART I—Developing a Local SEER Committee
Chapter 1 How to Use the SEERPlan
Chapter 2 SEERProgram Organizational Structure
Chapter 3 SEERProgram Personnel & Qualifications

PART II—Emergency Response Operations
Chapter 4 SEERCenter Management
Chapter 5 Building Structure Assessment
Chapter 6 Transportation Structure Assessment
Chapter 7 Site Communication and Documentation
Chapter 8 Post-Incident Debriefing
Chapter 9 Media Information
Chapter 10 Equipment
Chapter 11 Safety Issues
Chapter 12 Legal and Insurance Issues
Chapter 13 FEMA’s Urban Search and Rescue (US&R) Plan
Chapter 14 Coordination with Emergency and Other Agencies
Chapter 15 Information Resources
Chapter 16 Forms
NCSEA SEER TODAY
NCSEA Structural Engineering Emergency Response (SEER) Program

MISSION:

To develop, manage and deploy professional 2nd Responders (Damage/ Safety Assessment Professionals) who are properly trained and certified, both domestically and internationally.
NCSEA SEER

SCOPE:

- **Training** – Facilitating and/or delivering 2nd responder training to volunteers

- **Advocacy** – Advocating and educating AHJs and other stakeholders on the benefits and use of 2nd responders
NCSEA SEER

**SCOPE:**

- **Roster Management** – Compiling and maintaining a national roster of 2nd responders including building officials

- **Assistance Coordination** – Coordinating and/or providing 2nd responder assistance to AHJs or other stakeholders
2nd Responder Roster

A database of trained and certified 2nd responders who are willing to assist with post-disaster condition assessments of structures at a local, State or national level.
Training

Recognized Training Programs (ATC-20/45 based):

• CalOES SAP
• ICC When Disaster Strikes
<table>
<thead>
<tr>
<th>TRAINING / EDUCATION</th>
<th>FEMA Structure Condition Evaluator (SCE)</th>
<th>EMAC / Mutual Aid Resource</th>
<th>Non-Affiliate</th>
<th>ATC Damage Assessor</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SCE - Type 1 [5]</td>
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<tr>
<td></td>
<td>SCE - Type 2 [5]</td>
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<td>SCE - Type 3 [5]</td>
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<tr>
<td>First Aid</td>
<td>✓</td>
<td>✓</td>
<td>(Recommended)</td>
<td>(Recommended)</td>
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<tr>
<td>America Heart Association Cardiopulmonary Resuscitation (CPR)</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Advanced First Aid</td>
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<td></td>
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</tr>
<tr>
<td>Incident Command System (ICS) Classes</td>
<td>✓</td>
<td>✓</td>
<td>(Recommended)</td>
<td></td>
</tr>
<tr>
<td>IS-100: Introduction to Incident Command System</td>
<td>✓</td>
<td>✓</td>
<td></td>
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<tr>
<td>IS-200: ICS for Single Resources and Initial Action Incidents</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>National Incident Management System (NIMS) Classes</td>
<td></td>
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<td>(Recommended)</td>
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<tr>
<td>IS-700: National Incident Management System Introduction</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>IS-800: National Response Framework Introduction</td>
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<td>(Recommended)</td>
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<tr>
<td>Emergency Support Functions (ESF) Classes</td>
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<tr>
<td>IS-803: ESF #3 – Public Works and Engineering</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>IS-809: ESF #9 – Search and Rescue</td>
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<td>ATC Classes</td>
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<tr>
<td>ATC-20 Seismic Damage Assessment class</td>
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<tr>
<td>ATC-45 Wind &amp; Flood Damage Assessment class</td>
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<tr>
<td>Advanced: ATC-20 and ATC-45 classes with additional concepts of operations training</td>
<td></td>
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<td>✓</td>
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<tr>
<td>ICC Disaster Response (DR) Inspector class</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>California OES Certified Safety Assessment Program (SAP) Evaluator class</td>
<td>(Only 1 Required)</td>
<td>(Only 1 Required)</td>
<td>(Only 1 Required)</td>
<td>✓</td>
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<tr>
<td>Specialty: Structure Condition Evaluator</td>
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<tr>
<td>Building Safety Assessment Engineer</td>
<td>✓</td>
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<tr>
<td>Building Safety Assessment Leader</td>
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</tbody>
</table>

**Notes:**
- [5]: Training specific to the role.
- [6]: Additional training recommended.
Create a New Account

Username *
Spaces are allowed; punctuation is not allowed except for periods, hyphens, apostrophes, and underscores.

E-mail address *
A valid e-mail address. All e-mails from the system will be sent to this address. The e-mail address is not made public and will only be used if you wish to receive a new password or wish to receive certain news or notifications by e-mail.

Address

Street *

City *

County *

State/Province *

Postal code *

First Availability
Please let us know the date ranges you are available. Please review this information.

Date to: Date
2019-03-05
E.g., 2019-03-05

Second Availability

Date to: Date
2019-03-05
E.g., 2019-03-05

Employer

Employer Street Address or PO Box

Employer City

Employer State
- None -

Employer Zip Code

NCSEA Member Organization *
No SEA Affiliation
Licensure

- Structural Engineer
- Professional Engineer
- Registered Architect
- Building Official
- Code Official
- Fire Marshal
- Plans Examiner
- Code Compliance Officer
- Other

Other Licensure

Certifications

- Residential Building Inspector
- Residential Electrical Inspector
- Residential Mechanical Inspector
- Residential Plumbing Inspector
- Commercial Building Inspector
- Commercial Electrical Inspector
- Commercial Mechanical Inspector
- Commercial Plumbing Inspector
- Building Plans Examiner
- Electrical Plans Examiner
- Mechanical Plans Examiner
- Other

ICC Record Number

Certifications

- Residential Building Inspector
- Residential Electrical Inspector
- Residential Mechanical Inspector
- Residential Plumbing Inspector
- Commercial Building Inspector
- Commercial Electrical Inspector
- Commercial Mechanical Inspector
- Commercial Plumbing Inspector
- Building Plans Examiner
- Electrical Plans Examiner
- Mechanical Plans Examiner
- Other
Year Started in Professional Practice

Previous Deployment Experience *
- No
- Yes

Where Deployed

Formal Disaster Inspection Training *
- None
- FEMA/USACE Structures Specialist I
- FEMA/USACE Structures Specialist II
- NIMS/ICS IS-100
- NIMS/ICS IS-200
- NIMS/ICS IS-700
- NIMS/ICS IS-800
- NIMS/ICS IS-803
- NIMS/ICS IS-809
- ICC Disaster Response Inspector (DRI/WDS)
- CalOES Safety Assessment Program (SAP)
- Building Safety Assessment Leader
- Building Safety Assessment Engineer
- GPS Familiarization
- CPR Certification
- ATC 20
- ATC 45
- Other

Other Formal Disaster Inspection Training

Material Expertise
- Wood
- Masonry
- Concrete
- Steel

Structural Expertise
- Buildings
- Bridges
- Towers
- Utilities/Infrastructure

Birth Year (not viewable within roster)

Physical Condition
- None

Terms and Conditions of Use

Response efforts may involve serious risks to personal safety and property. Participation in response efforts is strictly voluntary, and each participant assumes any and all risks.

The Disaster Response Alliance (DRA) (including without limitation the International Code Council and the National Council of Structural Engineers Associations) and their subsidiaries, affiliates, agents and employees disclaim any and all liability for any damages and/or harm to persons and/or property as a result of or by reason of an act or omission by any person in facilitating and/or participating in disaster response efforts.

By participating, you agree that the DRA (including without limitation the International Code Council and the National Council of Structural Engineers Associations) and their subsidiaries, affiliates, agents and employees shall not be liable for any damages and/or harm to persons and/or property as a result of or by reason of an act or omission by any person in facilitating and/or participating in disaster response efforts.

The DRA agrees that it will provide each volunteer participant's contact information solely to recruiting team members, leadership team members, and those individuals or entities you may be matched with or potentially matched with for disaster response efforts.

- Accept Terms & Conditions of Use *
Locating 2nd Responders

Currently the roster includes 1500+ trained individuals
FEMA RESOURCE TYPING
FEMA Resource Typing

- **What:** A Performance Specification (for Personnel and Equipment.)

- **From:** FEMA NIC (via Public Comments / Stakeholders)

- **For:** FEMA, EMAC, State and Local Agency NIMS-compliant deployment.
FEMA Resource Typing

- **FEMA NIC**
  - FEMA - Federal Emergency Management Agency
  - NIMS - National Incident Management System
  - NIC - National Integration Center

- **EMAC**
  - Emergency Management Assistance Compact
# Resource Typing Definition for Response Infrastructure Systems

## STRUCTURE CONDITION EVALUATOR

<table>
<thead>
<tr>
<th>RESOURCE CATEGORY</th>
<th>Damage Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESOURCE KIND</td>
<td>Personnel</td>
</tr>
<tr>
<td>OVERALL FUNCTION</td>
<td>The Structure Condition Evaluator conducts Rapid Evaluations or Detailed Evaluations of buildings in incident areas, in accordance with ATC-20-1 and ATC-45 guidance</td>
</tr>
</tbody>
</table>
| COMPOSITION AND ORDERING SPECIFICATIONS | 1. This position can be ordered as a single resource or in conjunction with a NIMS typed team (Building Safety Assessment Team)  
2. Discuss logistics for deploying this position, such as security, lodging, transportation, and meals, prior to deployment  
3. This team typically works 12 hours per shift, as daylight permits, is self-sustaining for 24 hours, and is deployable for up to 7 days |

Each type of resource builds on the qualifications of the type below it. For example, Type 1 qualifications include the qualifications in Type 2, plus an increase in capability. Type 1 is the highest qualification level.

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>TYPE 1</th>
<th>TYPE 2</th>
<th>TYPE 3</th>
<th>TYPE 4</th>
<th>NOTES</th>
</tr>
</thead>
</table>
| DESCRIPTION | Same as Type 2, PLUS:  
1. Performs Rapid Evaluations or Detailed Evaluations, in accordance with ATC-20-1 and ATC-45 guidance on high-rise, complex, or critical buildings | Same as Type 3 | The Type 3 Structure Condition Evaluator:  
1. Leads Rapid Evaluations or Detailed Evaluations of buildings in incident areas, in accordance with ATC-20-1 and ATC-45 guidance | The Type 4 Structure Condition Evaluator:  
1. Assists with Rapid Evaluations or Detailed Evaluations of buildings in incident areas, in accordance with ATC-20-1 and ATC-45 guidance | 1. The Type 3 Structure Condition Evaluator will not deploy to forward operations.  
2. The Type 2 Structure Condition Evaluator will deploy while Rescue operations are still underway; their role will be post-incident assessments for re-occupancy and/or business continuity operations.  
3. The Type 2 Structure Condition Evaluator will not enter the Hot Zone of an incident. |
<p>| EDUCATION | Not Specified | Not Specified | Not Specified | Not Specified | Not Specified |</p>
<table>
<thead>
<tr>
<th>COMPONENT</th>
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<th>TYPE 2</th>
<th>TYPE 3</th>
<th>TYPE 4</th>
<th>NOTES</th>
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</thead>
<tbody>
<tr>
<td>TRAINING</td>
<td>Same as Type 2</td>
<td>Same as Type 3</td>
<td>Same as Type 4</td>
<td>Completion of the following: 1. IS-100: Introduction to ICS 2. IS-200: ICS for Single Resources and Initial Action Incidents 3. IS-700: NIMS, An Introduction 4. IS-800: National Response Framework, An Introduction 5. International Code Council (ICC) Disaster Response Inspector Program or California Office of Emergency Services (OES) Safety Assessment Program (SAP) or ATC-20-1 and ATC-45 programs with additional concepts of operations training</td>
<td>Not Specified</td>
</tr>
<tr>
<td>COMPONENT</td>
<td>TYPE 1</td>
<td>TYPE 2</td>
<td>TYPE 3</td>
<td>TYPE 4</td>
<td>NOTES</td>
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<tr>
<td>EXPERIENCE</td>
<td>Same as Type 2, Plus: Experience:</td>
<td>Same as Type 3</td>
<td>Same as Type 4</td>
<td>Knowledge, Skills, and Abilities:</td>
<td>Not Specified</td>
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<tr>
<td></td>
<td>1. 5 years of experience in structure design and analysis, including evaluation of existing structures, field investigation and construction observation experience</td>
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<td></td>
<td>2. Experience with high-rise, complex, or critical buildings</td>
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<tr>
<td>PHYSICAL / MEDICAL FITNESS</td>
<td>Same as Type 2</td>
<td>Same as Type 3</td>
<td>Same as Type 4</td>
<td>Performs duties under light circumstances characterized by working consecutive 12-hour days under physical and emotional stress for sustained periods of time</td>
<td>Not Specified</td>
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<tr>
<td>COMPONENT</td>
<td>TYPE 1</td>
<td>TYPE 2</td>
<td>TYPE 3</td>
<td>TYPE 4</td>
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<td>-------------------------------------------------------------------------</td>
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</tbody>
</table>
| CURRENCY                                       | Same as Type 2          | Same as Type 3          | Same as Type 4          | 1. Functions in this position during an operational incident, exercise, drill, or simulation at least once every three years  
2. Completes all necessary refresher trainings or exams for trainings listed above | Not Specified            |
| PROFESSIONAL AND TECHNICAL LICENSES AND CERTIFICATIONS | Same as Type 2          | Currently licensed as a Professional Engineer, Structural Engineer or Registered Architect. (P.E., S.E., or R.A.) | Certified Building Inspector | Not Specified                                                                 | Not Specified |
ONGOING QUESTIONS:

• What programs will be considered acceptable training?
• Who validates those programs?

• What level of NIMS training will be required?
• How will this vary between existing program reqmts?

• What field experience will be required?

• Who will qualify as a Team Leader
• What will Leader training consist of?
# Building Safety Assessment Team

**Description**
The Building Safety Assessment Team, in order to provide building code enforcement support, conducts assessments of damaged, or potentially damaged, buildings to evaluate safety for continued use and to determine the need for restricted or prohibited entry.

**Resource Category**
Damage Assessment

**Resource Kind**
Team

**Overall Function**
The Building Safety Assessment Team:
1. Conducts Rapid Evaluations or Detailed Evaluations of buildings in affected areas, in accordance with ATC-20-1 and ATC-45 guidance
2. Posts buildings as either “Unsafe” (red placard), “Restricted Use” (yellow placard), or “Inspected” (green placard)
3. Provides the Authority Having Jurisdiction (AHJ) with appropriate reports, such as ATC Safety Assessment forms, describing conditions for each building inspected
4. Immediately notifies AHJ when labeling damaged building unsafe, so the AHJ can take appropriate safety measures

**Composition and Ordering Specifications**
1. Discuss logistics for deploying this team, such as equipment, security, credentialing, lodging, transportation, and meals, prior to deployment
2. This team typically works 12 hours on, 12 hours off, as deployment permits, is self-sustainable for 24 hours, and is deployable for up to 7 days
3. Requestor orders specialty training personnel to assess conditions for re-occupancy if there is a potential for hazardous materials such as lead-based paint, asbestos, or mold
4. Damaged facilities may require more extensive engineering evaluation by licensed professionals—electrical engineer, sanitary engineer, plumbing engineer, or mechanical engineer—to determine whether occupancy is safe
5. Requestor orders additional support staff, Structure Condition Evaluators, Civil Engineers, licensed architects, or building inspectors, based on quantity and type of buildings needing assessment
6. Requestor orders a Safety Assessment Program Coordinator as a single resource to oversee all safety assessment activities and integrate team into the incident management system
7. Requestor provides survey maps, parcel data information, and blueprints, when available

Each type of resource builds on the qualifications of the type below it. For example, Type 1 qualifications include the qualifications in Type 2, plus an increase in capability. Type 1 is the highest qualification level.

<table>
<thead>
<tr>
<th>Component</th>
<th>Type 1</th>
<th>Type 2</th>
<th>Type 3</th>
<th>Type 4</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Personnel Per Team</td>
<td>Same as Type 2</td>
<td>Same as Type 3</td>
<td>2</td>
<td>Not Applicable</td>
<td>Not Specified</td>
</tr>
<tr>
<td>COMPONENT</td>
<td>TYPE 1</td>
<td>TYPE 2</td>
<td>TYPE 3</td>
<td>TYPE 4</td>
<td>NOTES</td>
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</tr>
<tr>
<td>MANAGEMENT AND OVERSIGHT PERSONNEL PER TEAM</td>
<td>1 – NIMS Type 1 Structure Condition Evaluator</td>
<td>1 – NIMS Type 2 Structure Condition Evaluator</td>
<td>1 – NIMS Type 3 Structure Condition Evaluator</td>
<td>Not Applicable</td>
<td>1. Licensed architect and certified building inspector are not NIMS typed positions. 2. NIMS Type 1 Civil Engineer has a structural engineering specialty.</td>
</tr>
<tr>
<td>SUPPORT PERSONNEL PER TEAM</td>
<td>1 – NIMS Type 1 or Type 2 Civil Engineer, or licensed architect or licensed architect or certified building inspector</td>
<td>1 – NIMS Type 2 Civil Engineer or licensed architect or certified building inspector</td>
<td>1 – Support staff</td>
<td>Not Applicable</td>
<td>Support staff is a technical specialist with knowledge of construction, structures, building systems, architecture, or engineering.</td>
</tr>
<tr>
<td>ASSESSMENT CAPABILITY PER TEAM</td>
<td>Same as Type 2, PLUS: Assesses structures with more than three stories, buildings with vertical or horizontal irregularities, soft-story construction, unreinforced masonry (URM) buildings, schools, universities, and critical facilities</td>
<td>Same as Type 3, PLUS: Assesses non-critical low-rise structures up to three stories</td>
<td>Assesses residential single-family, wood-framed structures and single-story buildings less than 10,000 square feet</td>
<td>Not Applicable</td>
<td>Not Specified</td>
</tr>
<tr>
<td>ELECTRONIC EQUIPMENT PER TEAM</td>
<td>Same as Type 2</td>
<td>Same as Type 3</td>
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<td>Not Applicable</td>
<td>Not Specified</td>
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<td>1. GPS with extra batteries</td>
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<td>2. Digital camera with extra data cards and extra batteries</td>
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<tr>
<td>EQUIPMENT PER TEAM MEMBER</td>
<td>Same as Type 2</td>
<td>Same as Type 3</td>
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<td>Not Applicable</td>
<td>Measuring devices may include tape measure, measuring wheel, and handheld distance measuring laser.</td>
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<td>1. Clipboard, blank pads, and data recording forms</td>
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<td>2. Flashlight with extra batteries</td>
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<td>3. Supply of AHJ-approved red, yellow, and green safety assessment placards</td>
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<td>4. Waterproof marker pens</td>
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<td>5. Clear plastic page protectors</td>
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<td>6. WATER-RESISTANT TAPE SUITABLE FOR POSTING COMPLETED PLACARDS ON BUILDINGS</td>
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<td>7. LEVEL</td>
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<td>8. PLUMB BOB AND LINE</td>
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<td>9. MEASURING DEVICES</td>
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<td>10. Basic first aid kit</td>
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<td>11. Roll of “Caution” or “Do Not Enter” tape</td>
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<tr>
<td>COMPONENT</td>
<td>TYPE 1</td>
<td>TYPE 2</td>
<td>TYPE 3</td>
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<tr>
<td>COMMUNICATIONS EQUIPMENT PER TEAM</td>
<td>Same as Type 2</td>
<td>Same as Type 3</td>
<td>2 – Short-range, two-way portable radio 2 – Cell phone 1 – VoIP phone, available</td>
<td>Not Applicable</td>
<td>Not Specified</td>
</tr>
<tr>
<td>DOCUMENTATION PER TEAM</td>
<td>Appropriate reference materials, such as those available through a state safety program or the Applied Technology Council (ATC), as background for safety awareness</td>
<td>Not Specified</td>
<td>Not Specified</td>
<td>Not Applicable</td>
<td>Reference materials may include: 1. ATC-20: Post Earthquake Safety Evaluation of Buildings 2. ATC-45: Safety Evaluation of Buildings After Wind Storms and Floods 3. Manuals and job aids from the Missouri Structural Assessment and Visual Evaluation (SAVE) Coalition 4. Manuals and job aids from the California Office of Emergency Services Safety Assessment Program (CAL OES SAP).</td>
</tr>
<tr>
<td>TRANSPORTATION EQUIPMENT PER TEAM</td>
<td>Same as Type 2</td>
<td>Same as Type 3</td>
<td>1 – Vehicle</td>
<td>Not Applicable</td>
<td>Not Specified</td>
</tr>
</tbody>
</table>
More Information Available:

NCSEA SEER Committee
http://www.ncsea.com/committees/seercommittee/

NCSEA Resources
http://www.ncsea.com/resources/emergencyresponse

2\textsuperscript{nd} Responder Roster – Disaster Response Alliance
https://www.disasterresponse.org
CALOES SAP
SAP Resource Types

Cal OES
Coordination of all Resources

Building Inspectors
- Rapid Evaluation of all occupancies
- Building Officials assist with Detailed Evaluations

Engineers with structures background
- Rapid Evaluation of all occupancies
- Detailed Evaluation of all occupancies

Engineers with Lifeline background, Public Works Inspectors
- Detailed Evaluation Bridges, Roads, Airports, Treatment Plants, Pipelines, Reservoirs, Water Tanks and Small Dams

Architects
- Rapid Evaluation of all occupancies
- Detailed Evaluation of all occupancies if necessary
SAP – Approved Licenses (Any State)

- Registered Civil, Structural, or Geotechnical Engineer
- Licensed Architect
- Registered Geologist
- Registered Engineering Geologist
SAP – Approved Certificates

- Certified Inspector
  - Building Inspector (ICC)
  - Combination Plans Examiner (ICC)
  - Combination Inspector (ICC)
  - Building Code Official (ICC)
  - Building Plans Examiner (ICC)
  - Building Official (ICC)
  - Commercial Building Inspector (ICC)
  - Residential Building Inspector (ICC)
  - Residential Combination Inspector (ICC)
  - Combination Dwelling Inspector (ICC)
  - Master Code Professional (ICC)
  - Construction Inspector Division II & IV (ACIA)
  - DSA Classes I & 2 Inspector
  - OSHPD Class A Inspector
  - City of Los Angeles Construction Inspector
Additional SAP Qualifications

- General knowledge of construction
- Professional experience
- Good judgment
- Broad building review capability
SAP – Registration

- Approved one-day standardized training by a CalOES certified trainer

- Digital Picture

- Signed Oath per CA Govt. Code Section 3102 if CA resident and not a CA state or local government employee.
SAP Registration Cards
SAP – Deputizing

- Non-jurisdiction personnel cannot post official jurisdiction placards unless deputized
- If not deputized, locals must post placards.
SAP – Immunity from Liability

- Good Samaritan Law – General Immunity
- California Emergency Services Act
  • Amended to provide specific immunity to volunteer safety assessment engineers and architects.
The Process
Disaster Occurs

- Local Government Determines Need for Additional Resources
Disaster Occurs (Cont.)

- Utilizing SEMS, local government contacts County Operational Area for resources (engineers, architects, building inspectors).

- If unable to assist, Operational Area requests SAP resources through Cal OES Regions.
Disaster Occurs (Cont.)

- Cal OES Region Requests SAP Resources from CA State Operations Center
- Statewide SAP Coordinator confirms that SAP MOU is signed by requesting jurisdictions, then contacts Professional Organizations.
SAP Evaluators Role

- Assess Safety of Essential Services Buildings
- Provide Rapid Assessment of Other Buildings
- Provide Detailed Evaluation of Questionable Buildings

- Do NOT Provide Cost Estimates.
- Do NOT Evaluate Compliance of Grandfathered Conditions to Current Code.
- Do NOT Provide Escort or Property Retrieval Duties.
QUESTIONS?