Post-Disaster Safety Assessment Program (SAP) Training for Evaluators

Fitting The Pieces Together Conference 2006 - CSU
Post-Disaster Safety Assessment Program (SAP) Training for Evaluators

- Safety Assessment Program Overview
- Safety Assessment Process and Procedures
- Building Evaluation
- Lifeline Systems and Facilities
- Other Hazards
- Safety
Safety Assessment Program

- SAP is intended to help local governments perform facility safety evaluations as quickly as possible.
  - Reduce impacts on shelter needs
  - ATC-20 Guideline
  - Managed by CA OES
  - Multi-Hazard
Concept of Operation

- Local Government are always in Charge
- All agencies use Standardized Emergency Management System (SEMS)
- All agencies use internet based Response Information Management System (RIMS)
Emergency Response Hierarchy

State

Coastal Region

- Operational Area (County)
  - Local
  - Local

Inland Region

- Operational Area (County)
  - Local
  - Local

Southern Region

- Operational Area (County)
  - Local

Total:

(58)

(550+ cities, 2000+ SD)
California Governor’s Office of Emergency Services
SAP – Approved Licenses

- Registered Civil, Structural, or Geotechnical Engineer (State of CA)
- Licensed Architect (State of CA)
- Registered Geologist (State of CA)
- Registered Engineering Geologist (State of CA)
SAP – Approved Certificates

- Certified Inspector (continued)
  - Building Inspector (ICC)
  - Combination Plans Examiner (ICC)
  - Combination Inspector (ICC)
  - Building Code Official (ICC)
  - Building Plans Examiner (ICC)
  - Building Official (ICC)
  - Residential Building Inspector (ICC)
  - Residential Combination Inspector (ICC)
  - Master Code Professional (ICC)
  - Construction Inspector Division II (ACIA)
  - DSA Classes I & 2 Inspector
  - OSHPD Class A Inspector
Additional SAP Qualifications

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

- **DSW Volunteer** - Volunteer Engineers, Architects, and Building Inspectors
- **DSW Local** - Building Inspectors, Engineers, and Architects Employed by Local Jurisdictions
- **DSW State** - Engineers, Architects, and Building Inspectors Employed by State Agencies
SAP – Deputizing

- DSW Cannot post official jurisdiction placards unless:
  - Deputized, or
  - Send an inspector with the Evaluator team.
  - If not, locals must send an inspector afterward to post official placards
SAP – Liability and Immunity

- Good Samaritan Law – General Immunity
- California Emergency Services Act
  - Amended to provide specific immunity to volunteer safety assessment engineers and architects
SAP – Liability and Immunity

- Business & Professional Code (SB46X) – Architect & Engineers
- Home jurisdiction
- Deputized
SAP – Worker’s Compensation

- DSW-Local Resources by home jurisdiction
- DSW-State Resources by State of California
- DSW-Volunteer Resources by State of California
SAP – Registration

- Associated with a Professional Organization (CALBO, SEAOC, ASCE, AIA, ACIA, etc.); or
- Employed by a State Agency; and
- Meet minimum Qualifications
SAP – Registration (Cont.)

- Approved one-day standardized training by a OES certified trainer
- Digital Picture
- Signed Oath per Govt. Code Section 3102
SAP – Registration Card

- Cards Issued prior to July 2002, Expired December 2003
- New cards have single identifiable look
- Expires in 5 years
- Issued by OES
SAP – Registration Cards

State of California
Governor's Office of Emergency Services

Safety Assessment Program

The Disaster Service Worker who is identified by the picture on this card has been assigned ESSENTIAL EMERGENCY DUTIES. It is important that he/she be assisted in the performance of these duties.

Structural Engineer
DGS
OES Director

DSW-State

Governor's Office of Emergency Services

Safety Assessment Program

The Disaster Service Worker who is identified by the picture on this card has been assigned ESSENTIAL EMERGENCY DUTIES. It is important that he/she be assisted in the performance of these duties.

Building Inspector
CALBO
OES Director

DSW-Local

Safety Assessment Program

The Disaster Service Worker who is identified by the picture on this card has been assigned ESSENTIAL EMERGENCY DUTIES. It is important that he/she be assisted in the performance of these duties.

Civil Engineer
ASCE
OES Director

DSW-Volunteer
SAP – Reimbursements

- Housing, Meals, Travel, and other necessary expenses are reimbursed by requesting agency.
- Volunteers CANNOT be Paid for their Time, even by their Private Employers
- Mutual Aid requires NO Expectation of Pay for the Providing Resources
SAP – Reimbursements

- Public Employees may be Reimbursed by the Requesting Jurisdictions
- Safety Assessment activities are currently Eligible for State & Federal Disaster Grants; Damage Assessment is not.
Disaster Occurs

- Local Government Determines Need for Additional Resources
- Utilizing SEMS, Contacts Op Area for Resources
- Op Area Requests SAP Resources from OES Regions
Disaster Occurs (Cont.)

- OES Region Requests SAP Resources from SOC
- Statewide SAP Coordinator contacts Professional Organizations
- Professional Organizations Mobilize SAP Resources to Report to Staging Area
SAP Daily Routine

• Report to staging area
  – Sign in
  – On first day, obtain briefing packet and watch refresher video

• Obtain work assignment
  – Team to work with
  – Assignment location
SAP Daily Routine (cont’d)

• Follow guidance of SAP Coordinator while in field.
• At end of day, report to staging area.
• Review assessment forms with SAP Coordinator in debriefing
• Sign out for day
• Return next day until done.
Types of Evaluations

- Rapid Evaluations
  - One-page form
  - Quick first safety evaluation of building
  - 95% of workload in EQ disasters

- Detailed Evaluations
  - At least two-page forms
  - Much more detailed evaluation of facility
  - 5% of workload in EQ disasters
SAP Resource Types

Office of Emergency Services
Coordination of all Resources

- Building Inspectors
  - Rapid Evaluation of all occupancies

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

- Engineers with lifeline background
  - Detailed Evaluation Bridges, Roads, Airports, Treatment Plants, Pipelines, Reservoirs, Water Tanks and Dams

- Architects
  - Rapid Evaluation of all occupancies
  - Detailed evaluation of all occupancies
SAP Activation

- Who is activated?
  - Small events – within the disaster area
  - Large events – outside the disaster area
- DSW-Volunteers activated for 5 days
- DSW-Local & State activated also for 5 days normally, but could be longer
- ½ to 1 additional travel day each way
**SAP – OES & Professional Organizations**

- **California Office of Emergency Services Safety Assessment Program Coordinator**
  - Oversees program activities and initiates organization call-out

- **Professional Organization – State Level Safety Assessment Program Coordinator**
  - Oversees activities of the organization and initiates section/chapter call-out

- **Professional Organization – Local Level Safety Assessment Program Coordinator**
  - Organizes training and registration and initiates call-out of members

- **Professional Organization – Local Level Registered Members**

Governor’s Office of Emergency Services

Unit 1
State Agencies

- Division of State Architects - DSA (Schools)
- Office of Statewide Health Planning & Development - OSHPD (Hospitals)
- State Fire Marshal’s Office
- Dept. of Housing & Community Development - HCD (Mobile Homes)
State Agencies (Cont.)

- Dept. of Water Resources – DWR (Dams, Delta, Waterways, etc.)
- Dept. of Transportation – Caltrans (Major roads, bridges, crossings, etc.)
Other Organizations

- Other organizations:
  - Red Cross
  - State Department of Insurance
  - Insurance Companies
  - Media
Other Organizations (Cont.)

- Other organizations:
  - OES
  - FEMA
  - Small Business Administration (SBA)
  - U.S. Department of Agriculture (USDA)
SAP – Evaluators Role

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

- Do NOT Provide Cost Estimates
- Do NOT Evaluate Code Compliance
- Do NOT Provide Escort or Property Retrieval Duties
SAP – Local Government Role

- SAP Coordinator
- Issue Local Placards
- Deputize SAP Evaluators
- Coordinate SAP Activities
SAP – Local Government Role

- Briefing Packet
- Lodging & Meals
- Ensure Necessary Authorities Exists
- Provide State OES Disaster Data
SAP Website

- www.oes.ca.gov
- Under the “Training” or “Response” drop menus
- Click on “Safety Assessment Program”
Questions?

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