



International Telecommunication Union

Multi-Tool CAP-Based Alert and Warning System

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President, Hormann America, Inc.

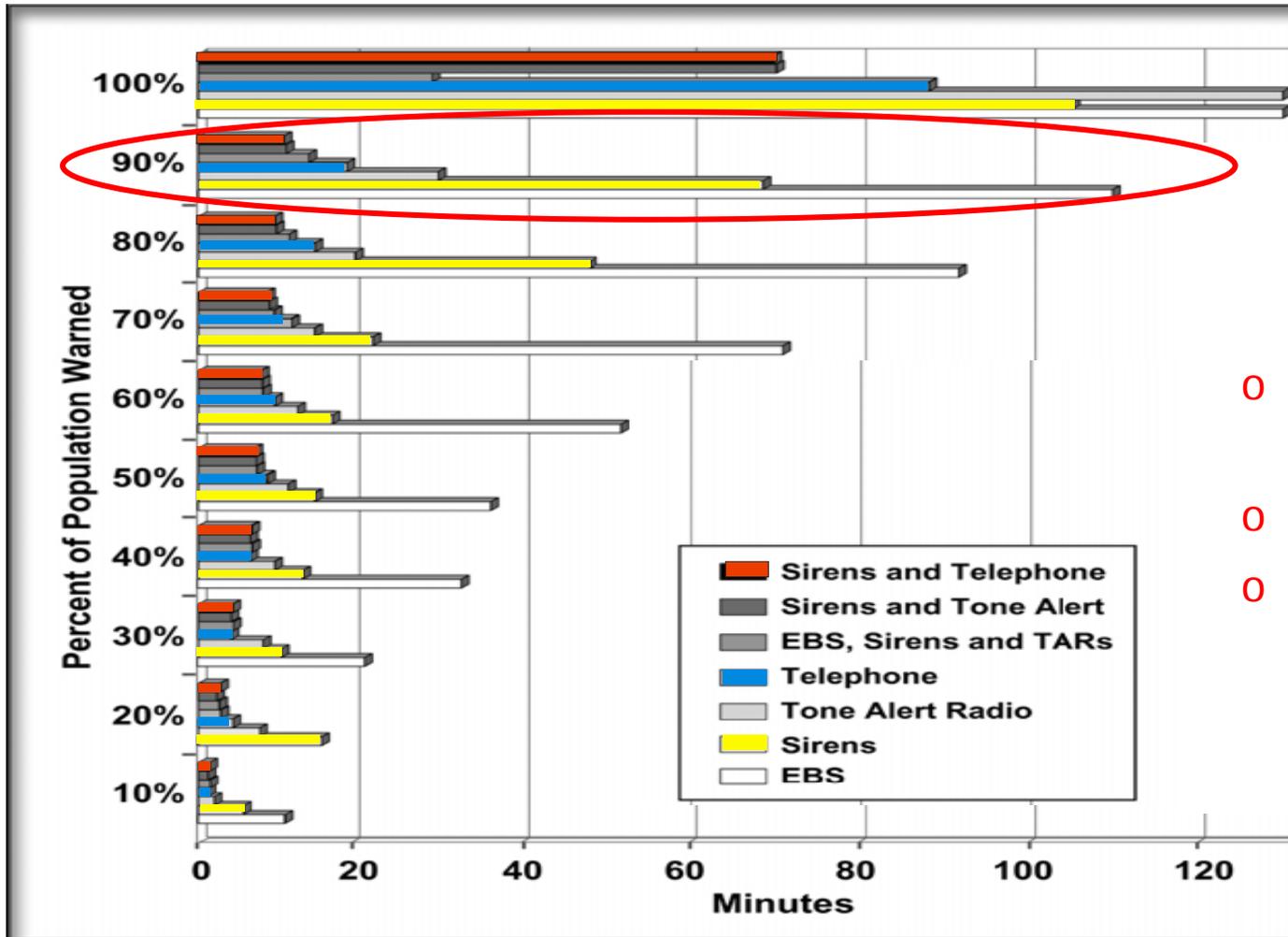


ITU-T/OASIS Workshop and Demonstration of Advances in ICT Standards for Public Warning
Geneva, 19-20 October 2006



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Our goal: 100% notification plan



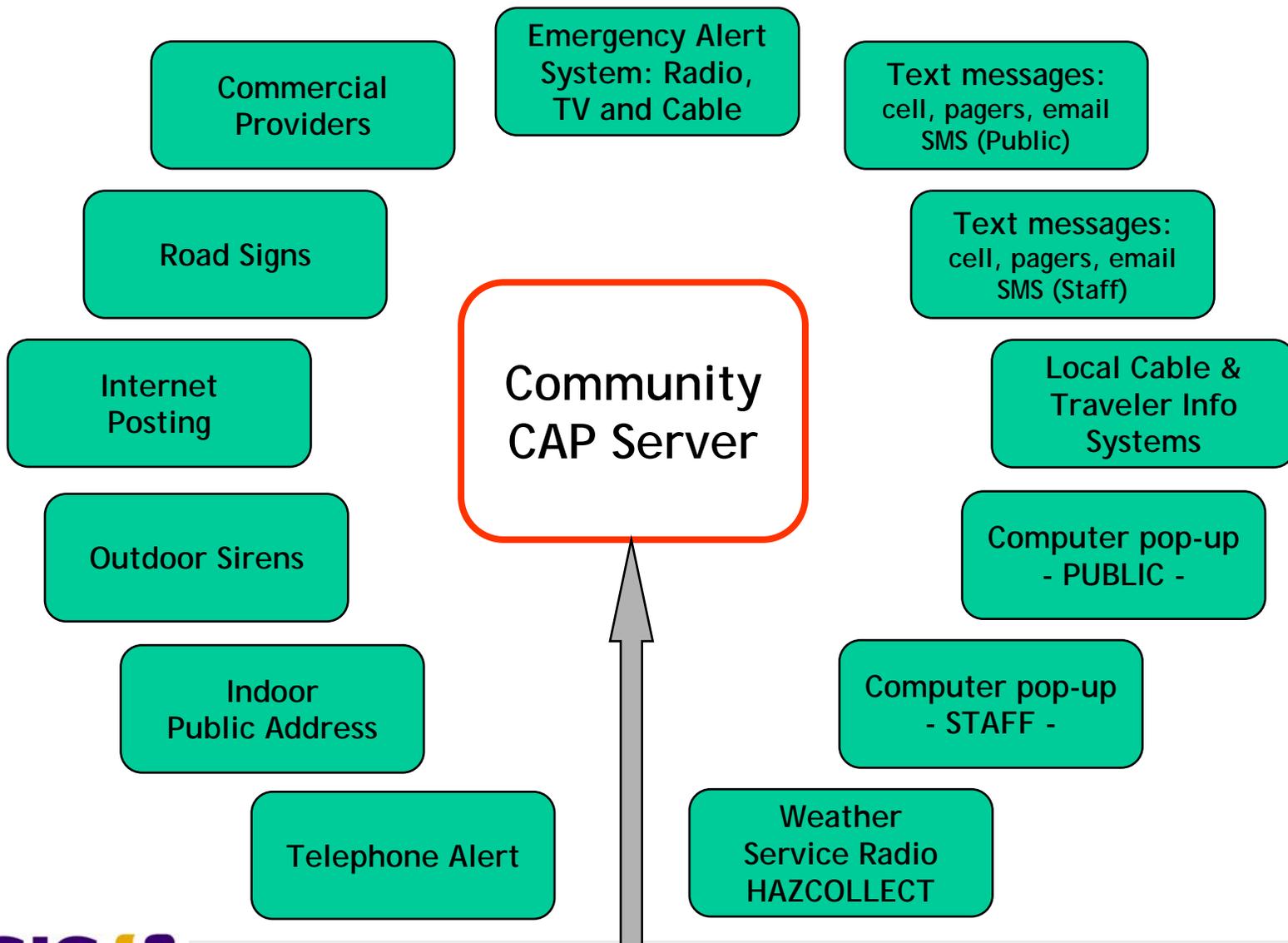
Using each single combination will alert 90% of the population after:

- Radio broadcast - 110 minutes
- Phone - 20 minutes
- Sirens and phone - 12 minutes



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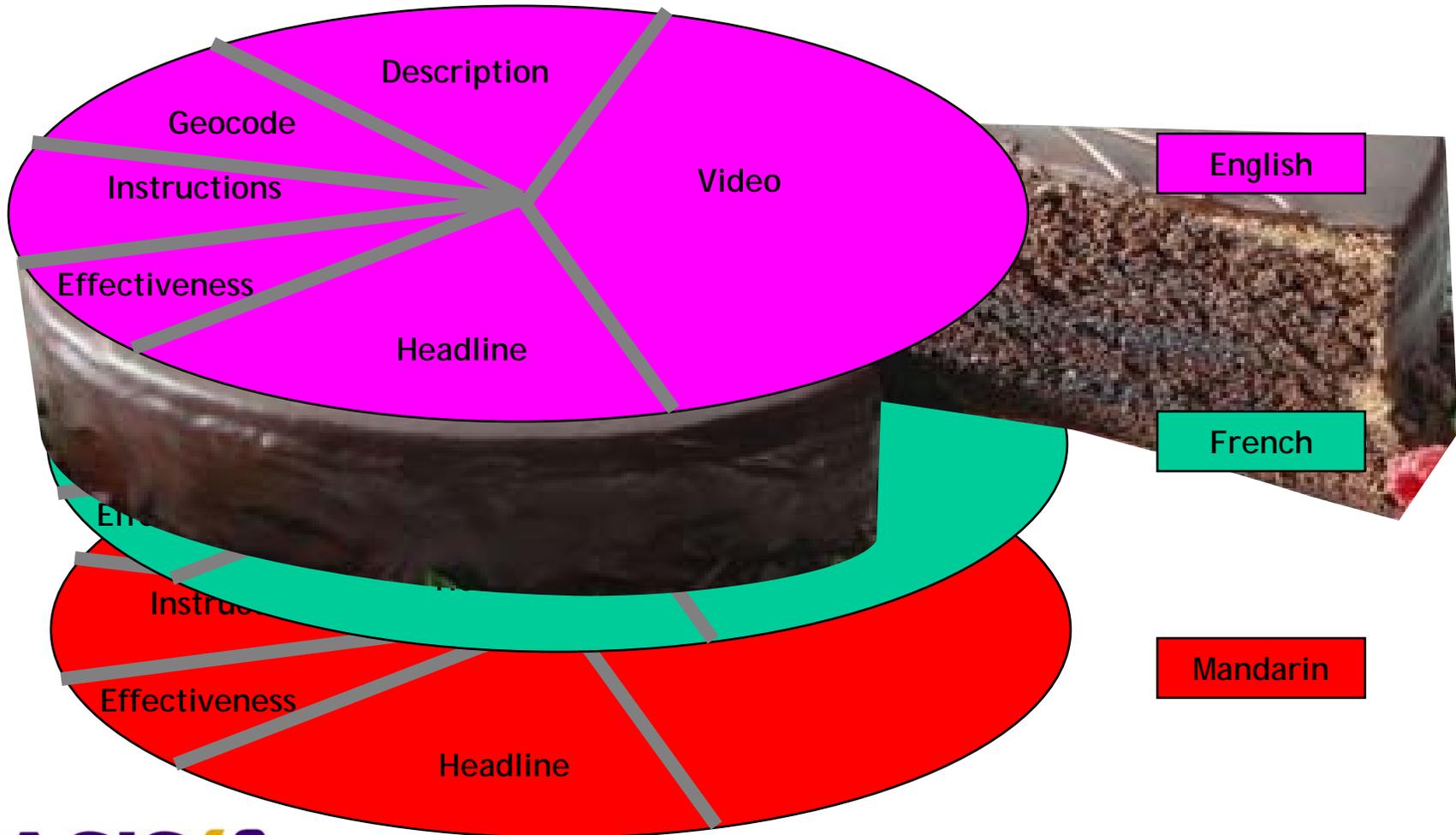
The Warning Toolbox



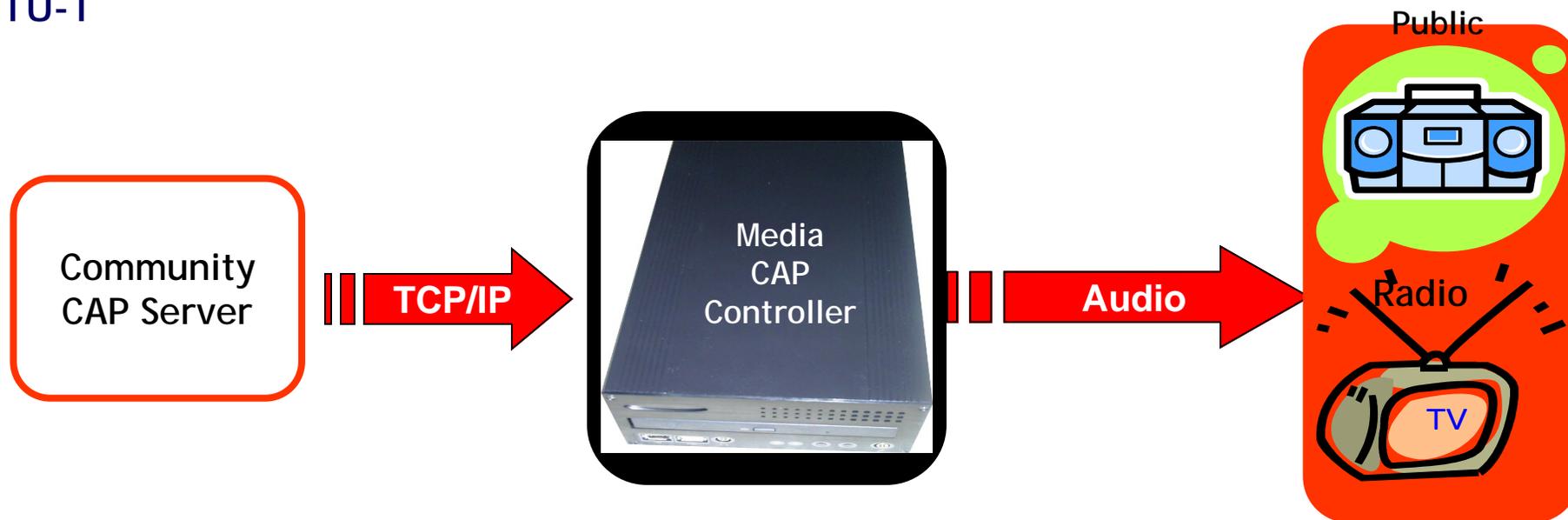


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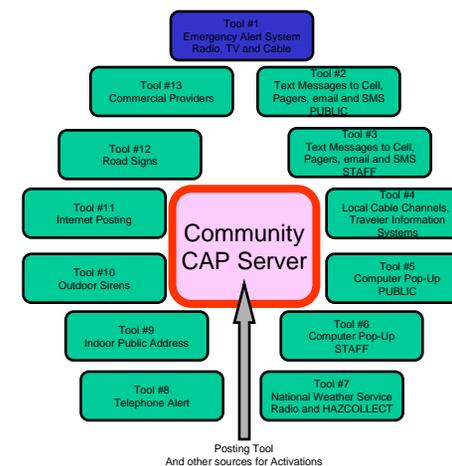
The CAP Stack of Cakes



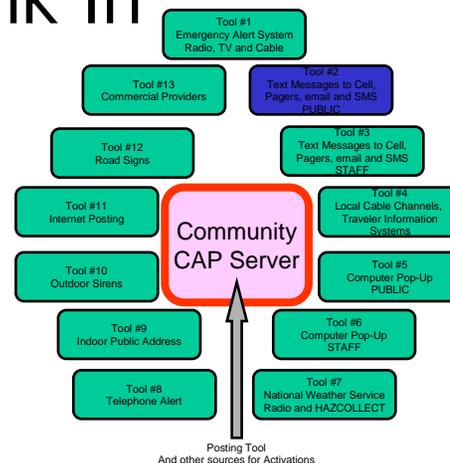
Radio Broadcast Activation



1. Audio Feed
2. "Rip and read" printout
3. Multimedia files
4. Text to speech file
5. Detailed log files plus contents



- o Anyone can register to receive alert messages, and customize:
 - Area (s)
 - Preferences
- o The EAS alerting website can be advertised in publications, and posted as a link in community websites.
- o Example for a public sign-up tool:



Public Sign-up Tool

Alertnet Sign Up

Email (use this address to log in)



Password

Re-enter Password for verification

BAMBox  [add](#)
[explain](#)

Telephone Call  [add](#)
[explain](#)

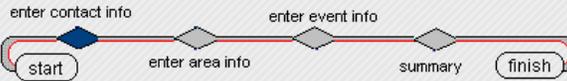
Cell Phone Text Message  [add](#)
[explain](#)

Pager  [add](#)
[explain](#)

Blackberry  [add](#)
[explain](#)

E-Mail  [add](#) use my login email for notifications
[explain](#)

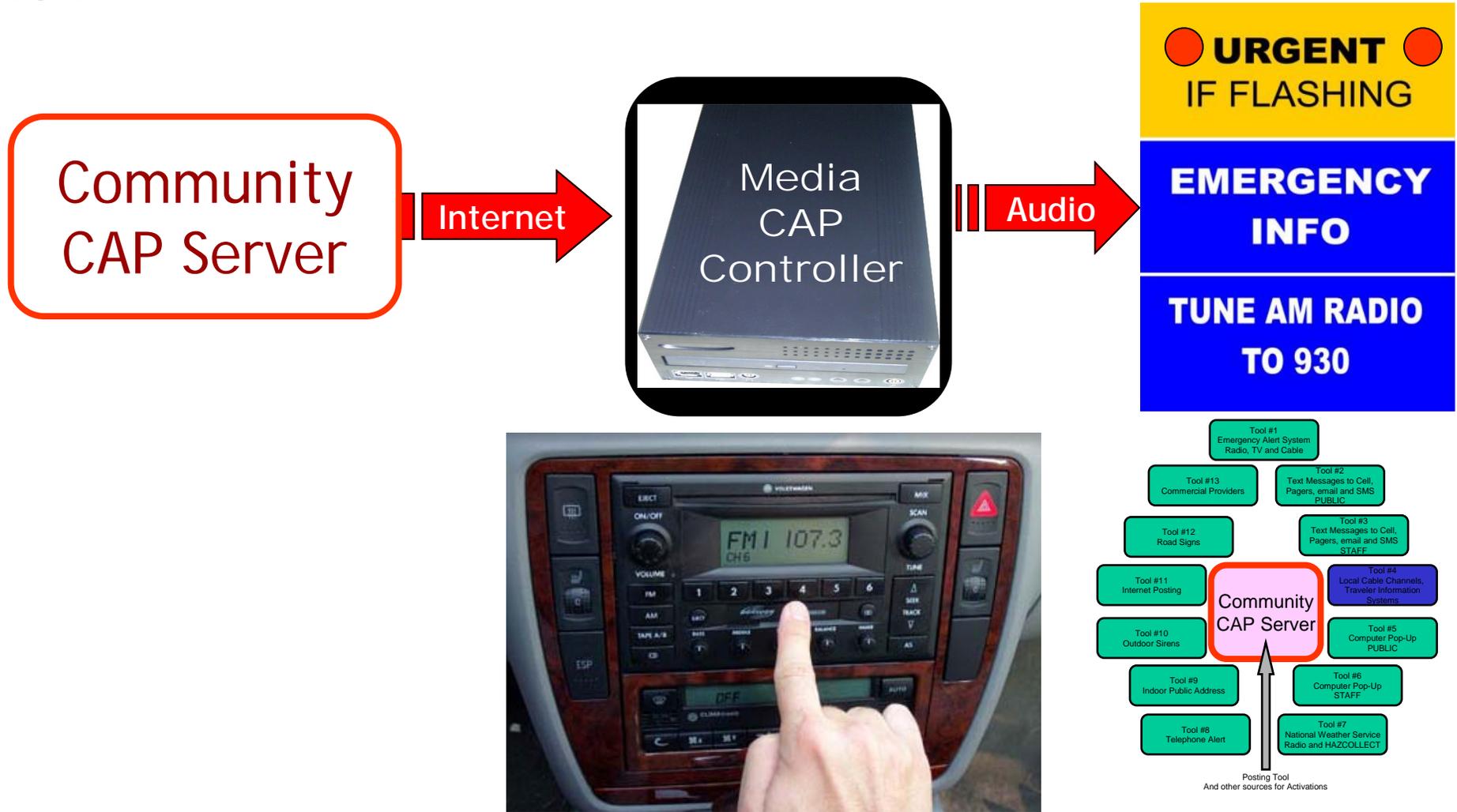
enter contact info enter event info



```

graph LR
    start([start]) --> contact{enter contact info}
    contact --> area{enter area info}
    area --> event{enter event info}
    event --> summary{summary}
    summary --> finish([finish])
  
```

Traffic Information System (TIS)





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Broadcast Alert Message Pop-up

E SEVERE HAZARD IN YOUR AREA!

San Francisco
Community Warning System
ALERT MESSAGE
Message Type: Actual
Sent on: April 19, 1906 11:06 AM PST

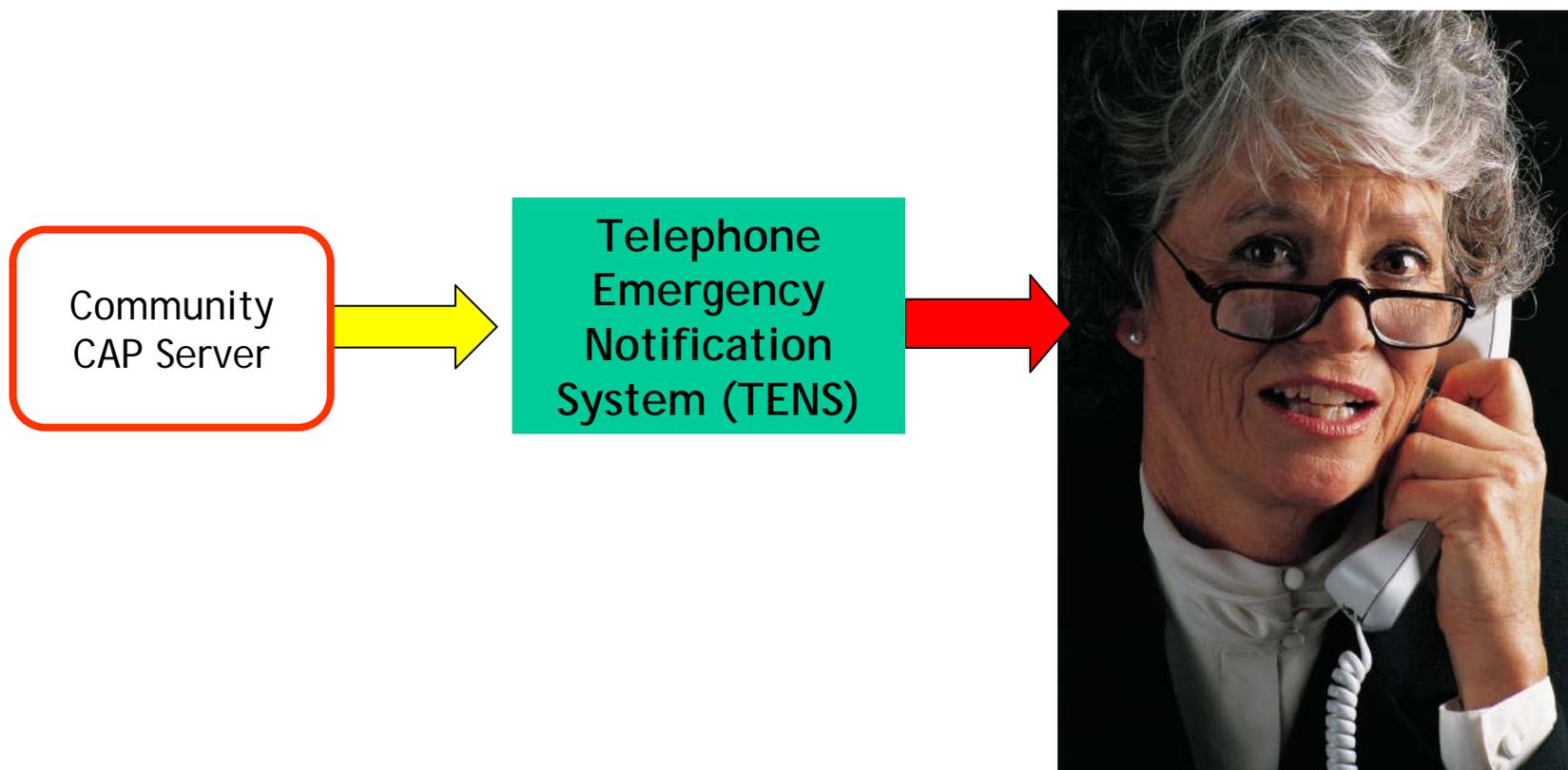
Regarding:
FIRE WARNING

Situation:
Gas pipes damaged by earthquake

Instructions:
Burning of either gas or electric currents, even where possible, is forbidden. During the fire citizens must get along with other light, as no chances could be taken for a renewed outbreak of flames.
No fires are to be lighted in stoves or grates anywhere lest the chimneys should be defective as a result of the earthquake.



Telephone Emergency Notification

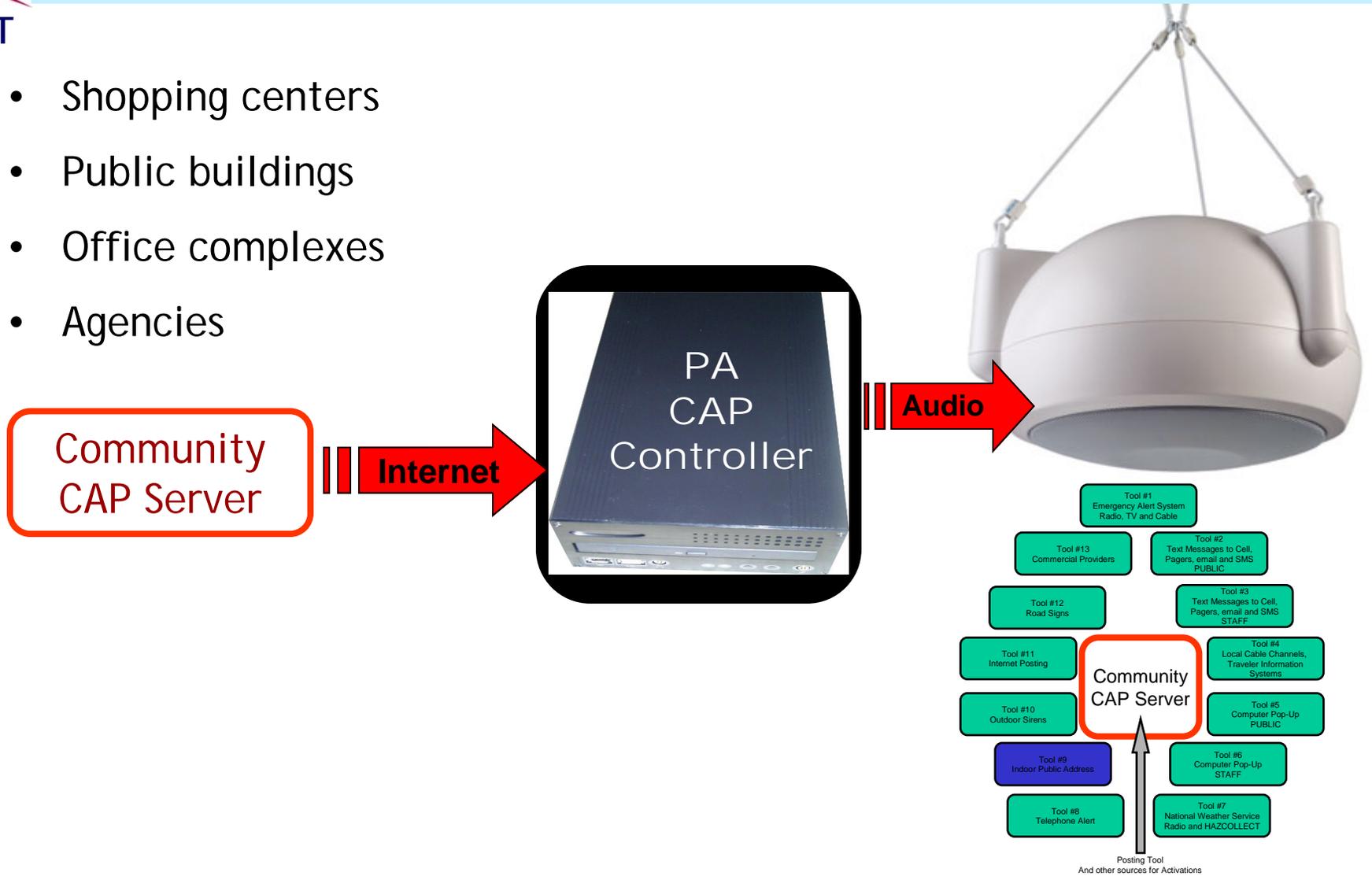




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Indoor Public Address Systems

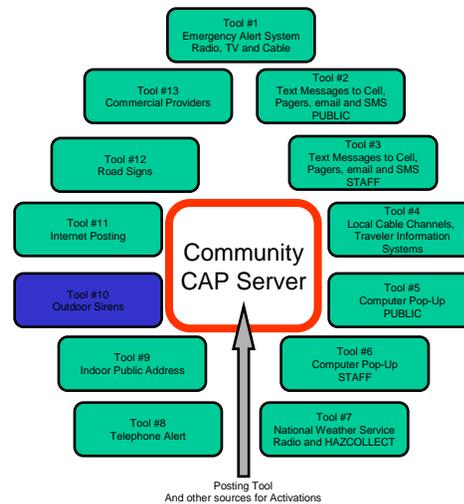
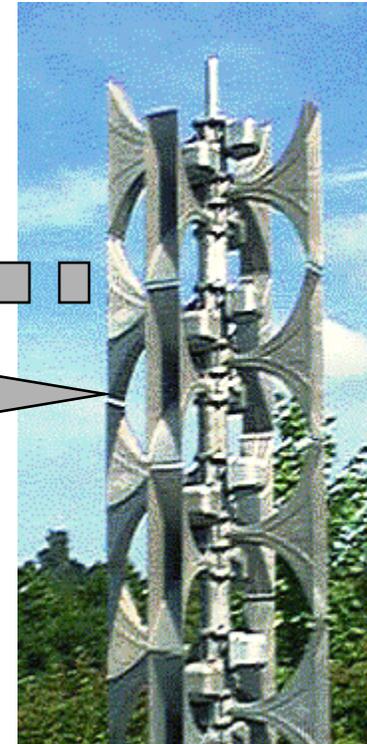
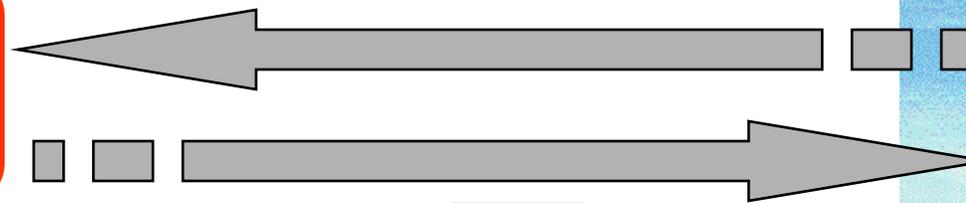
- Shopping centers
- Public buildings
- Office complexes
- Agencies



Sirens

CAP Enabled Siren

Community CAP Server



Posting Tool
And other sources for Activations

Sirens

CAP
Enabled
Siren





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Road Signs



Public Feed Web Site

California Home Wednesday, April 19, 2006

Welcome to *California*

News Training Response Recovery Mitigation Grants & Funding

[OES Home](#)
[Contact Us](#)
[About OES](#)
[Current Information](#)
[Disaster Assistance](#)
[Earthquake Program](#)
[Hazard Mitigation](#)
[Hazardous Materials](#)
[Information For Emergency Managers](#)

Governor's Office of Emergency Services
 Henry R. Romo, Director

GOVERNOR Schwarzenegger
 Click To Visit His Home Page

THREAT ADVISORY
ELEVATED ■ ■ ■
 Significant Risk of Terrorist Attack

[EDIS Daily Bulletins](#)

[RETURN TO NORTHWEST](#)
 [Urgent: North Coast]

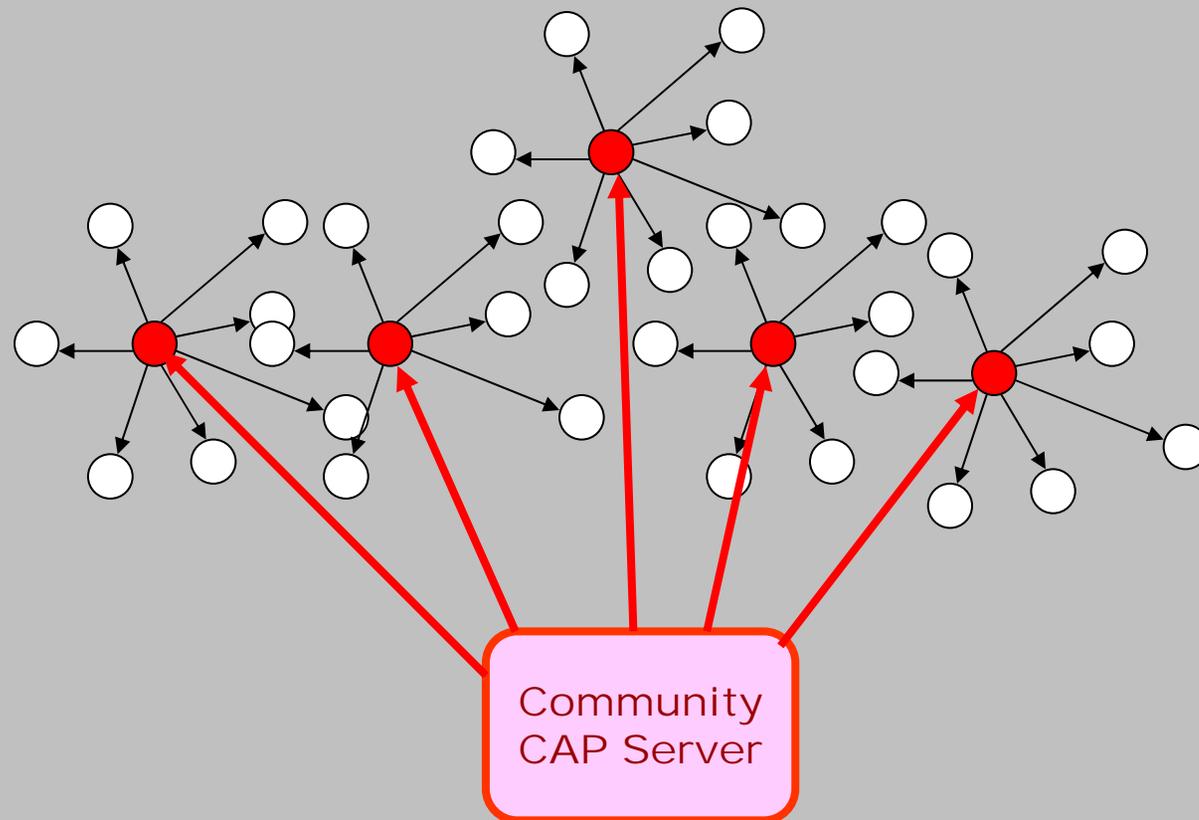
[\[EDIS\] BRIEF HEAVY RAIN WILL CREATE THE POTENTIAL FOR FLASH FLOOD](#) [Urgent: Los Angeles Area]

[Emergency Public Information](#) [Resources & Branches](#) [Law Enforcement and Victim Services Division](#)

[News & Events](#)

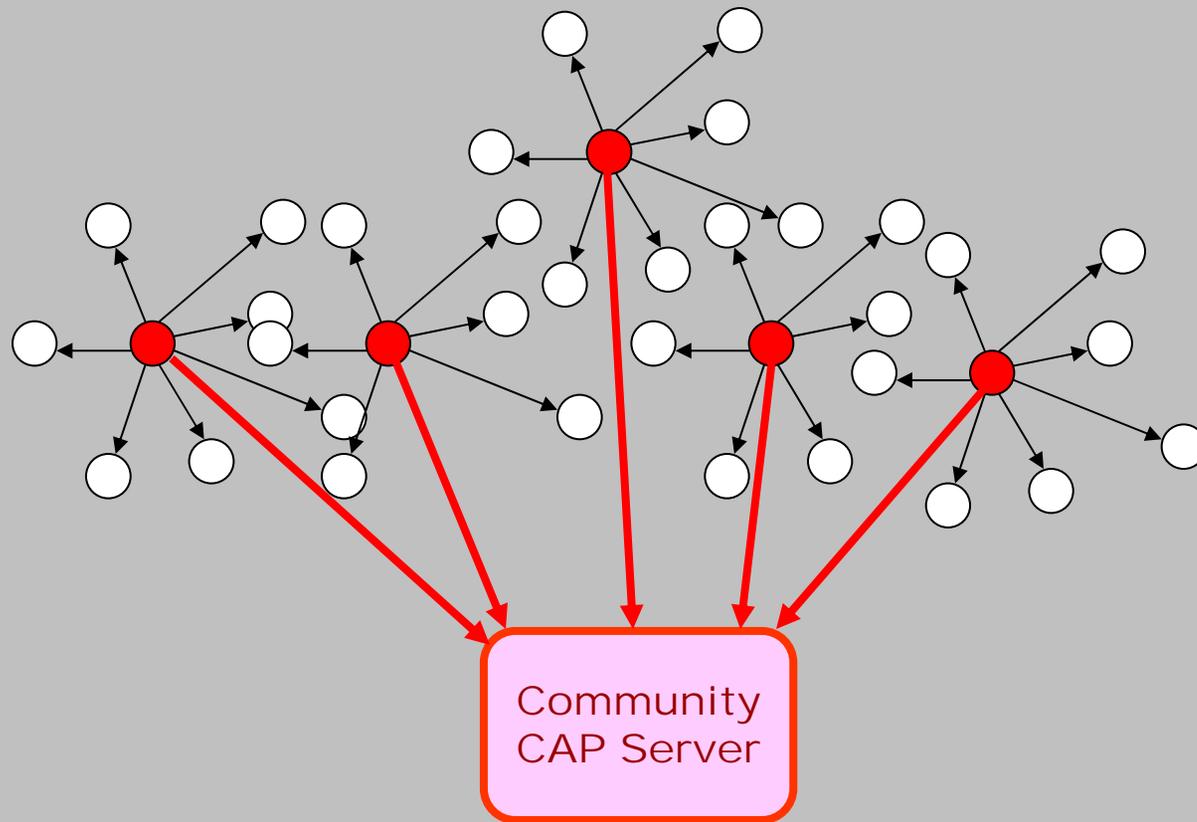
Other Providers - Clients

Commercial providers can tap the emergency warning system public database, and push information to subscribers with value-added content.



Other Providers - Sources

Other sources are monitored, and approved alert messages will be distributed to the staff and/or the public automatically.



- **Switch to Quick Menu**
- ▶ **Create Report**
- VIEW/UPDATE
- ▶ All Reports
- ▶ My Reports
- ▼ **Event/Incident/Activity**
 - ▼ Incidents
 - Initialized
 - Status
 - Agency
 - Name
 - Location
 - Time
 - Event
 - Type
 - Last Updated
 - All (includes Closed)
 - ▶ Events
 - ▶ Planned Activity
 - ▶ Medical Incidents
 - ▶ Alert Bulletin
- ▶ Infrastructure
- ▶ Resources
- ▶ Situation
- ▶ Tasks
- ▶ Logs
- ▶ References
- ▶ Data Dictionary

Incident Initiation

Incident #	man5	Activated
Facility Name	Chevron, Richmond	Sirens 
Location (Address)	841 Chevron Way, Richmond CA 94801	TIS 
Incident Type	Hazardous Material Release	EAS/NWS 
Level :	Severe	EDIS 
Contact #	(510) 242-2160	CCTV 
Incident Name	Emergency at Chevron, Richmond	

Follow-up

Chemical (Hazard)		Activation Status
Wind Direction	270	TENS 
Wind Speed(MPH)	5	NOTIFY 
Fatalities	0	SYNC SERVER 
Injuries	0	



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Example: California EDIS 2006

o Step 1 - Area

MAINTAINED BY HORMANN AMERICA, INC. | [Home](#)

EDIS 2006 CAPServer North

[Logout](#) | [Submit Alert](#) | [Submit XML Alert](#) | [Submit Ack](#) | [View Active Alerts](#) | [View Active Alerts \(raw\)](#) | [Stations Version](#) | [Download Client](#) | [Administration](#) | [Archive](#)

Alert Posting Form © Hormann America, Inc. ▼

<input type="checkbox"/> STATEWIDE	<input type="checkbox"/> El Dorado	<input type="checkbox"/> Lassen	<input type="checkbox"/> Monterey	<input type="checkbox"/> San Bernardino	<input type="checkbox"/> Shasta	<input type="checkbox"/> Tulare
<input type="checkbox"/> Alameda	<input type="checkbox"/> Fresno	<input type="checkbox"/> Los Angeles	<input type="checkbox"/> Napa	<input type="checkbox"/> San Diego	<input type="checkbox"/> Sierra	<input type="checkbox"/> Tuolumne
<input type="checkbox"/> Alpine	<input type="checkbox"/> Glenn	<input type="checkbox"/> Madera	<input type="checkbox"/> Nevada	<input type="checkbox"/> San Francisco	<input type="checkbox"/> Siskiyou	<input type="checkbox"/> Ventura
<input type="checkbox"/> Amador	<input type="checkbox"/> Humboldt	<input type="checkbox"/> Marin	<input type="checkbox"/> Orange	<input type="checkbox"/> San Joaquin	<input type="checkbox"/> Solano	<input type="checkbox"/> Yolo
<input type="checkbox"/> Butte	<input type="checkbox"/> Imperial	<input type="checkbox"/> Mariposa	<input type="checkbox"/> Placer	<input type="checkbox"/> San Luis Obispo	<input type="checkbox"/> Sonoma	<input type="checkbox"/> Yuba
<input type="checkbox"/> Calaveras	<input type="checkbox"/> Inyo	<input type="checkbox"/> Mendocino	<input type="checkbox"/> Plumas	<input type="checkbox"/> San Mateo	<input type="checkbox"/> Stanislaus	
<input type="checkbox"/> Colusa	<input type="checkbox"/> Kern	<input type="checkbox"/> Merced	<input type="checkbox"/> Riverside	<input type="checkbox"/> Santa Barbara	<input type="checkbox"/> Sutter	
<input type="checkbox"/> Contra Costa	<input type="checkbox"/> Kings	<input type="checkbox"/> Modoc	<input type="checkbox"/> Sacramento	<input type="checkbox"/> Santa Clara	<input type="checkbox"/> Tehama	
<input type="checkbox"/> Del Norte	<input type="checkbox"/> Lake	<input type="checkbox"/> Mono	<input type="checkbox"/> San Benito	<input type="checkbox"/> Santa Cruz	<input type="checkbox"/> Trinity	





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Example: California EDIS 2006

o Step 2 - Type

MAINTAINED BY HORMANN AMERICA, INC. | Home

EDIS 2006 CAPServer North

Logout | Submit Alert | Submit XML Alert | Submit Ack | View Active Alerts | View Active Alerts (raw) | Stations Version | Download Client | Administration | Archive

Alert Posting Form © Hormann America, Inc. ▼

<p>Message Type Fire Warning ▼</p> <p>EAS Event Code FRW</p> <p>CAP Code Fire</p> <p>Expected Duration 12 hours ▼</p> <p><input type="checkbox"/> Do NOT activate EAS</p>	<p>Status</p> <p><input type="radio"/> Actual</p> <p><input type="radio"/> Exercise</p> <p><input type="radio"/> Test</p> <p><input type="radio"/> Draft</p> <p><input type="radio"/> System</p>	<p>Urgency</p> <p><input type="radio"/> Immediate</p> <p><input type="radio"/> Expected</p> <p><input type="radio"/> Future</p> <p><input type="radio"/> Past</p> <p><input type="radio"/> Unknown</p>	<p>Severity</p> <p><input type="radio"/> Extreme</p> <p><input checked="" type="radio"/> Severe</p> <p><input type="radio"/> Moderate</p> <p><input type="radio"/> Minor</p> <p><input type="radio"/> Unknown</p>	<p>Certainty</p> <p><input type="radio"/> Observed</p> <p><input checked="" type="radio"/> Likely</p> <p><input type="radio"/> Possible</p> <p><input type="radio"/> Unlikely</p> <p><input type="radio"/> Unknown</p>
---	---	---	--	---

Start Over
Go Back
Go Next
Save Draft
Preview Alert





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Example: California EDIS 2006

o Step 3 - Contents

MAINTAINED BY HORMANN AMERICA, INC. | Home

EDIS 2006 CAPServer North

Logout | Submit Alert | Submit XML Alert | Submit Ack | View Active Alerts | View Active Alerts (raw) | Stations Version | Download Client | Administration | Archive

Alert Posting Form © Hormann America, Inc. Select Template Here ▾

Authoritative Source of Message:

One Line Summary (160 character limit)

Situation:

Instructions:

Play Record Pause

0.0 Position: 0.0

Add Wav Audio

Add Multimedia

Over
 Back
 Next
 Draft
 Alert

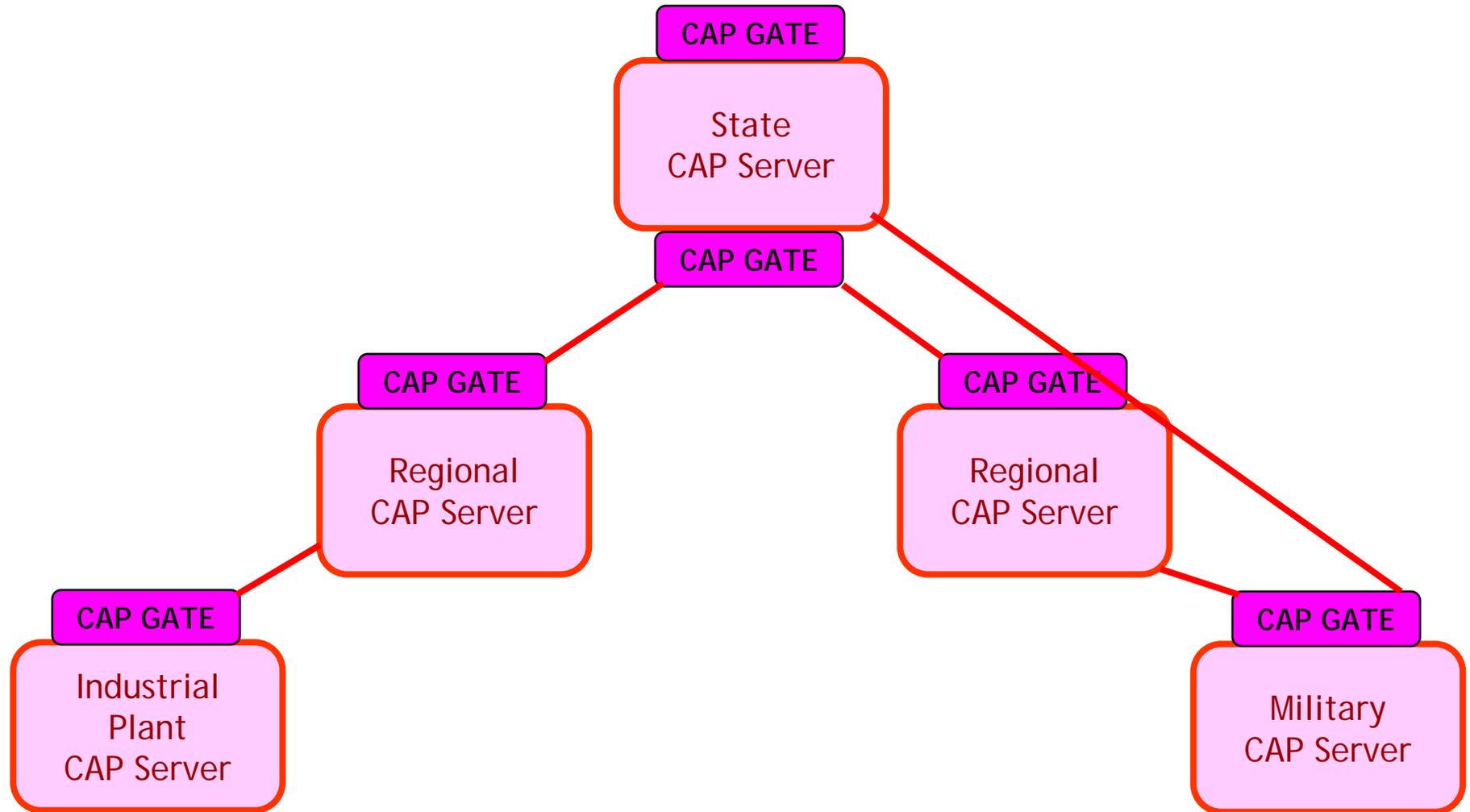
Contact:





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CAP Systems





Multi-Tool CAP-Based Alert and Warning System

o Thank you