

Minnesota Public Safety Interoperable
Communications Conference

Public Safety Broadband Deployment
Issues, Minnesota and Nationwide

Jeff Cohen

Chief Counsel – Law & Policy

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St. Cloud, MN

APCO International: Who We Are

- ▣ World's largest organization of public safety communications professionals
- ▣ Members include state and local employees of law enforcement, fire, and emergency medical service departments, as well as 9-1-1 public safety answering points and emergency operations centers
- ▣ Led the lobbying effort to achieve the public safety broadband legislation

APCO members are key FirstNet stakeholders

Public Safety Broadband Legislation – the Basics

- ❖ H.R. 3630 enacted February 2012
 - ☞ Spectrum: 10 additional MHz in 700 MHz band
 - ☞ Adjacent to other public safety spectrum
 - ☞ Funding: up to \$7B
 - ☞ \$2 billion available upfront
 - ☞ Single governance body: FirstNet
 - ☞ Significant state and local input mechanism
 - ☞ Public/private partnerships - spectrum and infrastructure sharing

Snapshot of FirstNet Board

- « 15 member board – 3 Federal, 12 appointed
- « Chairman: Sam Ginn
- « Strong Rural & Public Safety Representation
 - « Tim Bryan, CEO of National Rural Telecommunications Cooperative
 - « Paul Fitzgerald, Story County, IA (NSA Past President)
 - « Jeff Johnson, CEO of Western Fire Chiefs Association (IAFC Past President)
 - « Kevin McGinnis, NASEMSO
 - « Chief Chuck Dowd, NYPD

FirstNet Mandate

- ⌘ Legislation requires FirstNet to:
 - ⌘ Ensure the deployment and operation of a nationwide, interoperable public safety broadband network based on a national network architecture and commercial standards
 - ⌘ Ensure nationwide standards for use of and access to the network
 - ⌘ Leverage, to the maximum extent economically desirable, commercial wireless infrastructure
 - ⌘ Achieve substantial rural coverage milestones

Inherent FirstNet Advantages

- Sustainable (technical, financial, secure) network design including maintenance, coordinated upgrades
- Swift-acting, independent
 - Cut across state and local procurement and approval processes
 - No jurisdictional boundary issues
- National-level bargaining power and synergies with potential partners
- National-level economies of scale in network and device equipment costs

Legislation Stresses Partnerships

- Network components to be based on “commercial standards”
- RFPs to leverage existing commercial wireless infrastructure
- Account for advantages of partnerships with existing commercial providers
- Equipment built to non-proprietary, commercially available standards
- Backwards-compatible with existing commercial networks
- Cybersecurity cannot be overlooked

Partnership Opportunities for Rural Stakeholders

- Leverage assets and expertise
- Roaming agreements
- Natural partners in areas where larger companies don't have a footprint
- Ability to lease FirstNet Spectrum on secondary basis through covered leasing agreements
- Public safety officials in rural communities will have access to modern technology, allowing them to more effectively and efficiently perform their jobs

State and Local Input is Critical

- SLIGP: Grant program to state, regional, tribal and local jurisdictions (\$135M)
- For efficient and effective use and integration of existing infrastructure
- To satisfy wireless data communications needs of specific jurisdiction, particularly coverage & siting
- States must establish single officer or governmental body as a point of contact (POC) for FirstNet
- FirstNet must consult with state POC on Radio Access Network (RAN) design, RFPs, network policies

What Can State and Local Officials Do?

- Determine potential government and private partner assets that can be leveraged for network deployment, such as tower sites, fiber, backhaul
- Identify local network requirements, such as special vulnerabilities, access priorities, etc.
- Get involved with State POC that will serve to consult with FirstNet
- Assess potential barriers to site access, infrastructure sharing, establishing partnerships, etc.

APCO's Application Community Website - AppComm

www.appcomm.org



AppComm

The screenshot shows the AppComm website interface. At the top left is the 'application community' logo with the tagline 'the destination for public safety apps™'. To the right is the APCO International logo with the text 'brought to you by APCO International'. Below the logo is a navigation menu with links: Home, About, Browse, Submit App, News & Resources, FAQs, and APCO International. On the right side of the menu, there are links for 'APCO', 'My Account', and 'Logout'. The main content area is divided into three columns. The left column contains a search bar with a 'SEARCH' button and filter options for 'Categories', 'Device', and 'Pricing level'. Below the search bar are 'Tags' for 'Calculators' and 'Campus'. The middle column features a 'Welcome to APCO International's Online Application Community — AppComm' heading, followed by a paragraph describing the site's purpose. Below this is a 'Recently Added Listings' section with three app icons: '911' (Response Deck • SBC), 'Life 360' (Life 360), and 'NowForce Mobile Responder' (NowForce Mobile Responder). The right column has a purple call-to-action box that says 'Have an idea for a great app? Submit it here.' and a 'Tweets' section showing a tweet from @GRO_APCO about FCC regulations.

AppComm

Categories:

All Categories

Device:

All Devices

Pricing level:

All Pricing levels

SEARCH

Is this your app?

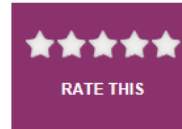
Contact us to edit
your listing

Mobile REMM – Radiation Emergency Medical Management



DEVELOPER'S DESCRIPTION (2-3 PARAGRAPHS)

Description taken from public sources. [Read disclaimer.](#)



From Google Play

Radiation Emergency Medical Management (REMM) is produced by

- Department of Health and Human Services, Office of the Assistant Secretary for Preparedness and Response (HHS/ASPR)
- National Library of Medicine (NLM)
- National Cancer Institute (NCI)
- Centers for Disease Control and Prevention (CDC)

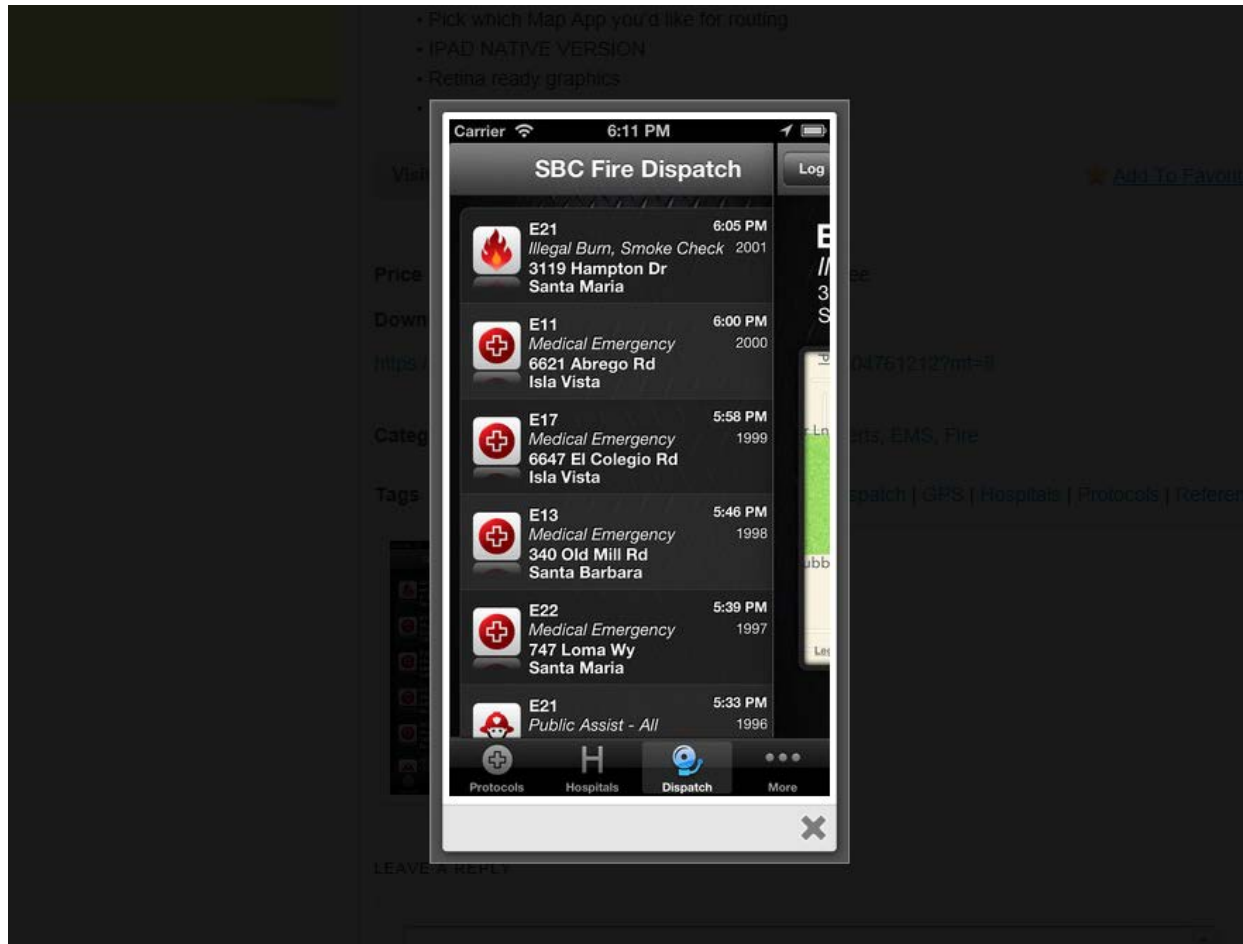
REMM provides:

- Guidance for health care providers, primarily physicians, about clinical diagnosis and treatment of radiation injury during radiological and nuclear emergencies
- Just-in-time, evidence-based, usable information with sufficient background and context to make complex issues understandable to those without formal radiation medicine expertise
- Web-based information that is also downloadable in advance, so that it would be available during an event if the internet is not accessible

Mobile REMM has key selected pages from REMM online, including:

- Patient management algorithms for radiation exposure, contamination, and more...
- Dose estimator for radiation exposure •Adult and pediatric triage
- Isotopes of interest
- Radiation countermeasures
- Emergency contacts

AppComm



AppComm

- Tags
- Calculators | **Campus Safety**
 - Checklist | CPR | **Crime Tips**
 - Disaster** | Dispatch | Donate
 - Dosing | Earthquake
 - Educational Tools
 - Emergency Contacts
 - Evacuation | First Aid
 - Government Data**
 - GPS | Gunshot Detection | HazMat
 - Help Request | Hospital | Hurricane
 - Incident Management | **Incident Reports** | Location Sharing
 - Maps** | Medical Profile
 - Personal Safety | **Photos**
 - Protocols** | PSAP | Records
 - Reference** | Rescue
 - Safety Assessment | Self-Monitoring | Shelters
 - Situational Awareness
 - Social Media** | Tablet | Tracking
 - Transit | Trauma Assessment
 - Utilities | **Video** | Virtual Escort
 - Volunteer | **Weather** | Whiteboard
 - Wildfire



Active911



Adopt-a-Hydrant



BeSafe



Campus Sentinel



Chicago Crime Map



CrimeView NEARme



Earthquake by American Red Cross



Emergency Response Guidebook



Emergency Response Guidebook 2012



EmergenSee



Hurricane by American Red Cross



Mobile REMM - Radiation Emergency Medical

AppComm

FAQs

What is AppComm?

AppComm is APCO International's online Application Community. Here, you will find a collection of applications related to public safety and emergency response for use by the general public and first responders. AppComm is also a forum where public safety professionals, the general public, and app developers can discuss and rate apps, identify unmet needs, and submit ideas for apps they'd like to see built. As you browse our growing list of apps, we encourage you to tell us which ones you've used, whether you liked it, and why. Additionally, if you are aware of an app that would be a good fit for our site, please use the "Submit App" tab located at the top of the page. If you have a suggestion for an app you don't see listed, be sure to submit your idea to AppComm by email to appcomm@apcointl.org. We intend for this site to be your single, trusted source of public safety apps.

Who is APCO?

Why did APCO create this site?

What is FirstNet and how will apps be a part of it?

How are apps selected for AppComm?

I heard about an interesting public safety app, but I can't find it here. Is there a reason you aren't listing it?

Why do I have to register to submit an app or make a comment?

What happens when I click "Submit App"?

Can I download apps from AppComm?

Am I able to use each of these apps as soon as I've downloaded it?



Assure 911

Gives demonstration participants an inside look into the potential of monitoring text-to-911 events easier for NG9-1-1 system managers.

[EMS](#) [Incident reports](#) [NG9-1-1](#) [Text-to-911](#)

Featured at ETF

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BeSafe

Assess crime risk based on type of day and location for some cities.

[Other](#) [Government data](#) [Personal safety](#) [Safety assessment](#)

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Campus Sentinel

Your guide to campus safety and security.

[Other](#) [Campus safety](#) [Government data](#) [Safety assessment](#)

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[More Info](#)



Chicago Crime Map

Uses open government data to map crimes by type, location, and date to help users assess the safety of a particular area in Chicago.

[Other](#) [Police](#) [Government data](#) [Maps](#) [Personal safety](#)

AppComm

News and Resources

- [APCO Files Project Initiation Notification to Develop a Standard for Application Integration](#)
- [APCO Global Alliance Praises Recently Launched App Website](#)
- [APCO International Issues Position on Public Safety App Development](#)
- [APCO Launches Application Community \(AppComm\) Website](#)
- [APCO Position on Public Safety App Development](#)
- [Leveraging Open Data, Building Apps for Public Safety](#)
- [The Buzz About APCO's Public Safety Apps Site](#)

Useful Links

White House Office of Science and Technology Policy Links

- www.safety.data.gov – An open government initiative to provide federal datasets to increase government transparency and facilitate the development of apps, analyses, and research.

Resources

APCO Global Alliance Praises Recently Launched App Website

On Sunday, April 28, 2013, representatives from APCO International, APCO Australasia, British APCO, and APCO Canada met for the Presidents Council meeting of the APCO Global Alliance in Manchester, England.

APCO May 3, 2013 6:40 AM

The Buzz About APCO's Public Safety Apps Site

Hear What Others Are Saying About AppComm

On April 23, 2013, APCO International sent a press release announcing the launch of the Application Community – "AppComm" – a website dedicated to public safety and emergency response apps for use by the general public, app developers, and first responders.

APCO May 2, 2013 12:15 PM

Leveraging Open Data, Building Apps for Public Safety

From the Office of Science and Technology, written by Tom Power and Brian Forde on April 25, 2013
One of the core goals of the president's Safety Data Initiative is to empower first responders and the public with information to make the safest and smartest decisions when they need it. In support of this goal, there has been a proliferation of innovative public safety apps—a number of which have been highlighted at the OSTP-supported Safety Datapalooza—using open data from local governments and federal agencies.

APCO April 29, 2013 7:09 AM



APCO
International

Leaders in Public Safety Communications™

QUESTIONS?

Jeffrey S. Cohen

cohenj@apcointl.org

@GRO_APCO