Cell Broadcast Technology for Public Alerts & Warning: The Central Wisconsin Model

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Greg Selig Einstein Wireless

What is Cell Broadcast? (SMS-CB)

Technology

- Point to Multi-Point (Cell Broadcast)
- Delivers short text message to unlimited number of cellular phones
- Geo-targeted to any desired area

Delivery

- Phone rings with special ring tone to announce message
- Message is displayed immediately -or-
- Message is placed in phone's inbox

Database-Free

- Phone number is not used for message delivery Protection!!
- No subscriber database required Privacy!!
- Area visitors also receive alerts Penetration!!

Einstein Wireless / Airadigm Communications

"Since 2006, CellCast Technologies has enabled us to deliver vital emergency and life-saving information to our subscribers.

We are proud to be the first wireless carrier in the nation to provide the benefits of Cell Broadcast messaging to our subscribers."

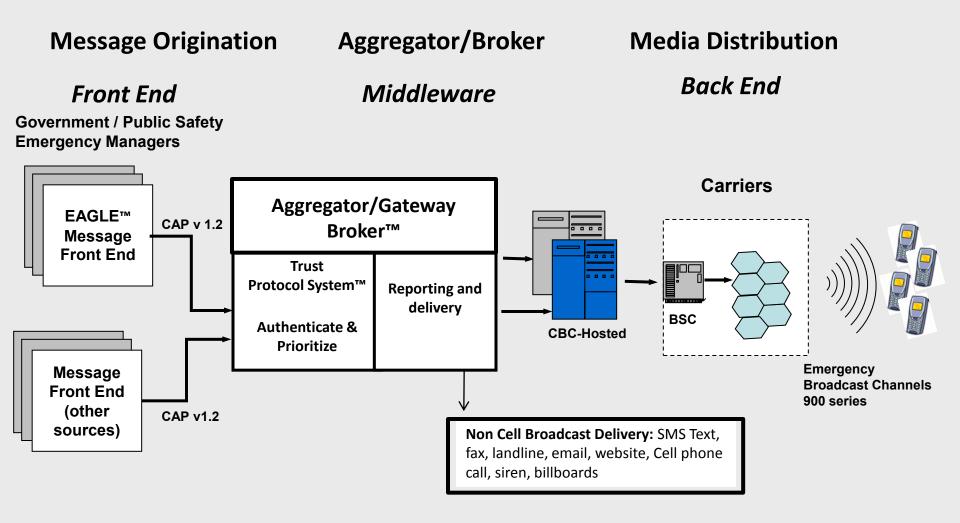
Greg Selig, Sr. Director - Operations and Engineering

For Wireless Carriers

Cell Broadcasting requires:

- No Additional Spectrum or Bandwidth
- No Hardware / Equipment Changes
- In some cases, the CB software functionality needs to be enabled in the carrier's Base Station Controller
- In most cases, the functionality is bundled in the switch
- A Cell Broadcast Center to route CAP messages from Emergency Managers and Law Enforcement
- The Aggregator authenticates and prioritizes messages CellCast designed its system to serve EM & carrier needs

Emergency Applications of Point To Multi-Point



Helping Emergency Managers Cell Broadcasting

- Offers a new paradigm for mass warning
- Scalable geo-targeted messaging to reach millions
- Delivers instant real time communications
- Provides first responders their own "cell channel"
- Protects against spamming, hacking and spoofing
- Does not overload the carrier network systems
- Has not failed in any operational or test scenarios
- Technology upgraded and ready for LTE, 3G and 4G

First Responder Applications



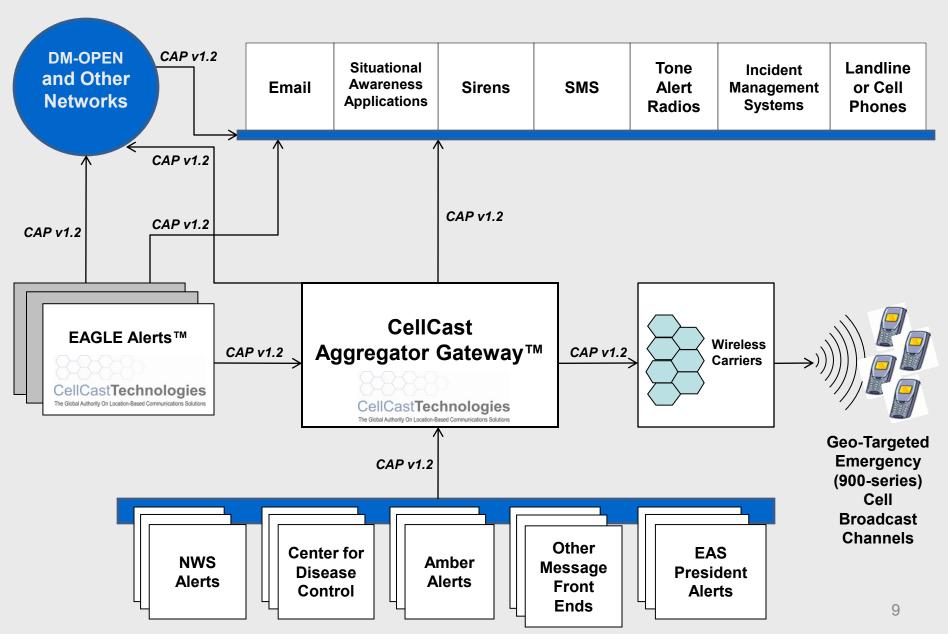
Closed User Groups

- Secure Channel for designated officials
- Emergency Managers
- Special Agencies
- Law Enforcement
- Border Protection
- Port Security

EM Approval Milestones

- Demonstrated Alert and Warning Interoperability for CMAS at OASIS & DHS Interoperability Demo at the NIEM Training Event
- Selected by the DHS Science & Technology for the Digital Alert and Warning Systems (DAWS) technology demonstrations
- Registered participant in the FEMA DM-OPEN (Disaster Management: Open Platform for Emergency Networks)
- Evaluated by NIMS STEP -- the National Incident Management System Supporting Technology Evaluation Program
- Operational on NOAA National Weather Service HazCollect the All-Hazards Emergency Message Collection System
- Adopted usage of OASIS Open Standards including CAP v1.2

CellCast Emergency Notification System Components



Upcoming Presentations

CellCast Technologies will attend:

- IAEM Expo in Orlando, Nov 2 4
- RTG RICA Conference, Vegas, Nov 18 19
- NTCA in San Antonio, Jan 14 15
- Technologies for Critical Incident
 Preparedness in Philadelphia, Feb 2 4

Contact Us

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 CellCast Aggregator Gateway™ Broker

EAGLE Alerts™
 (Emergency Alerts for Government and Law Enforcement)

CellCastTechnologies

The Global Authority on Location-Based Communications Solutions