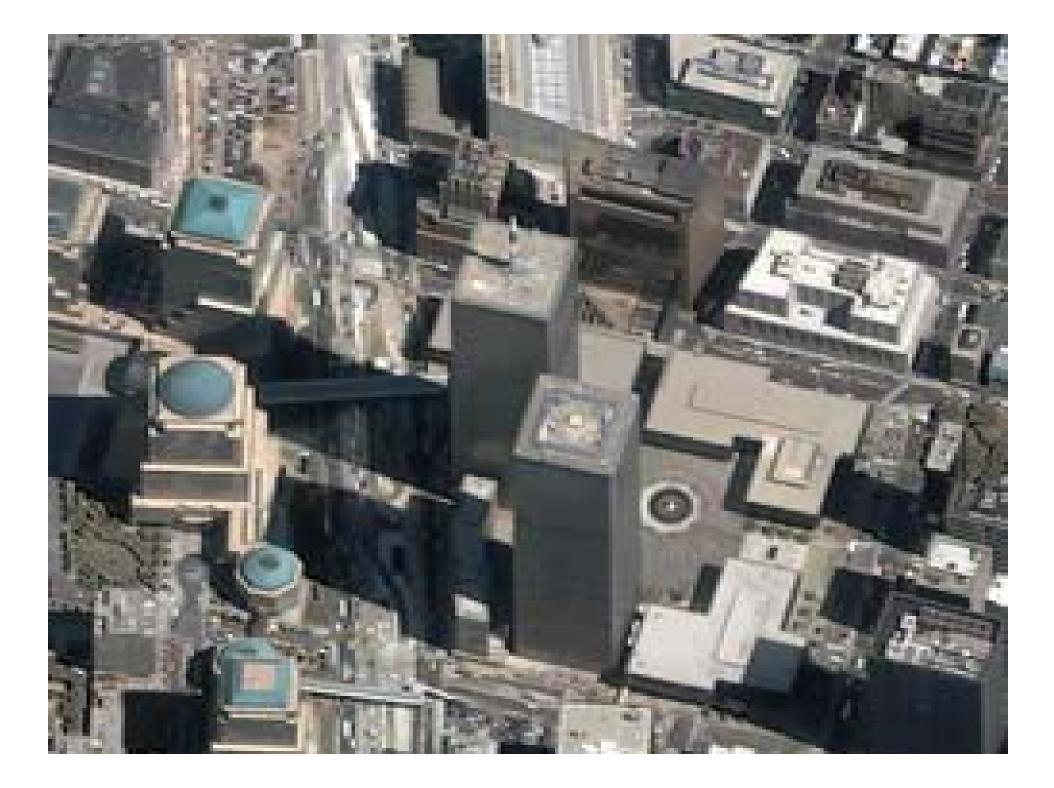
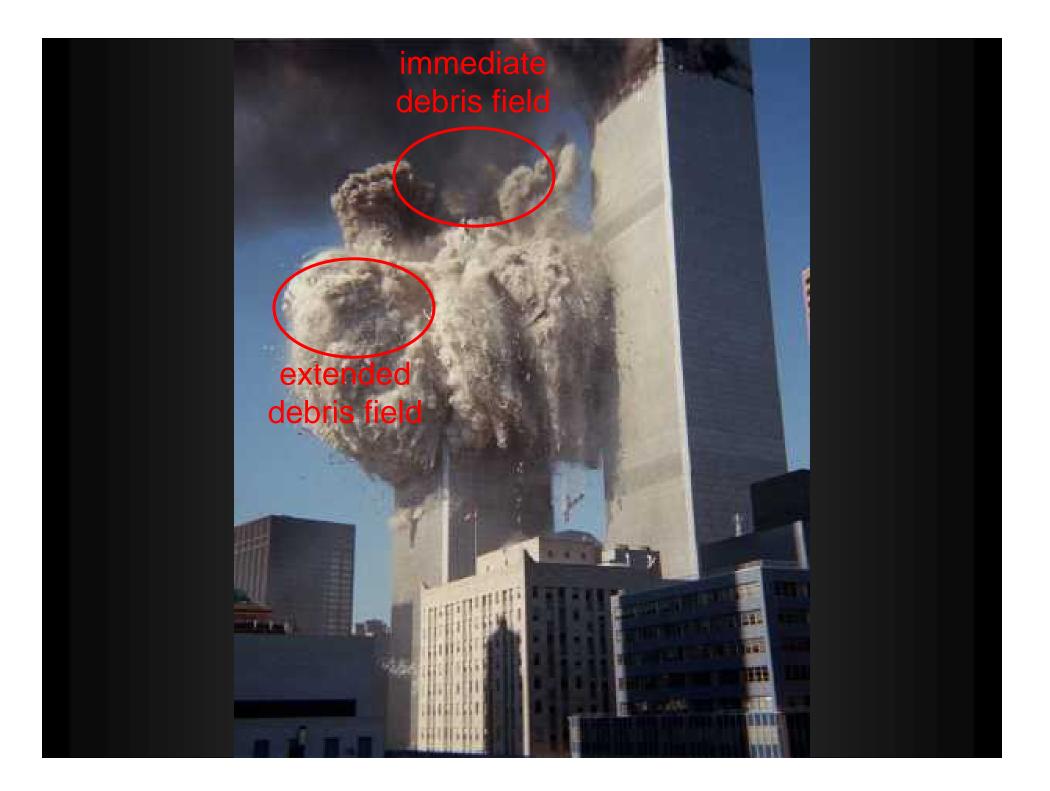
2006 CQR International Workshop

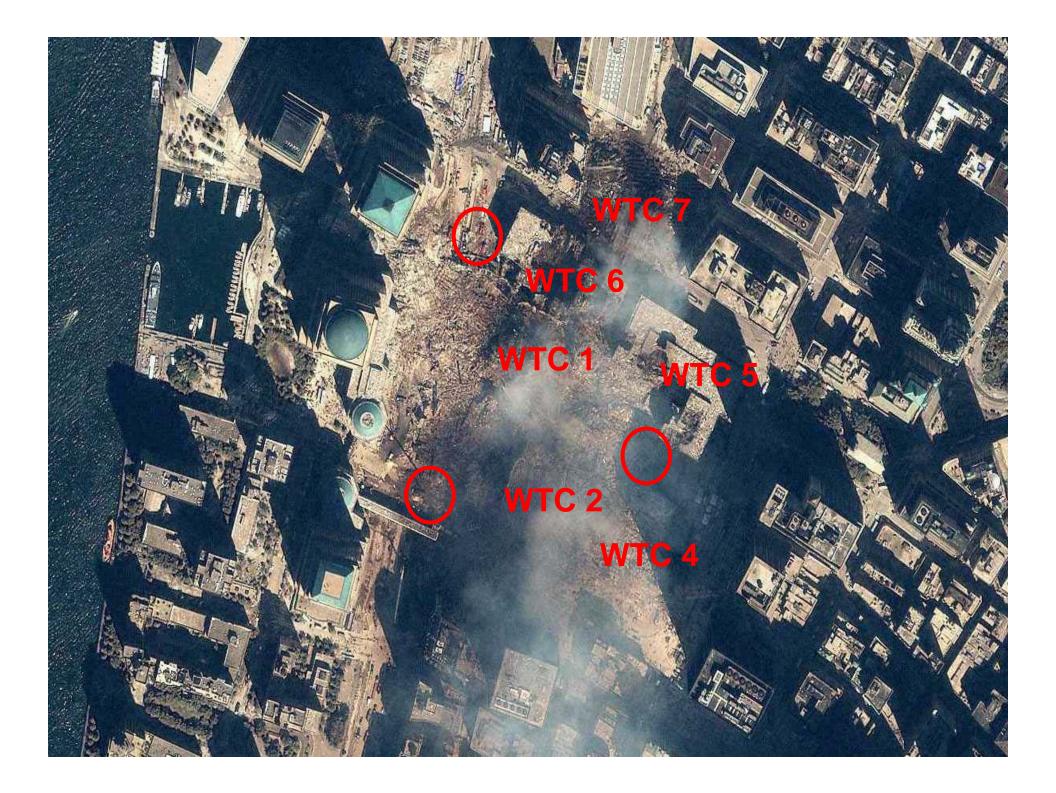
June 8, 2006

KARL RAUSCHER, WERT FOUNDER & PRESIDENT Karl.Rauscher@wert-help.org +1 610 966-3252

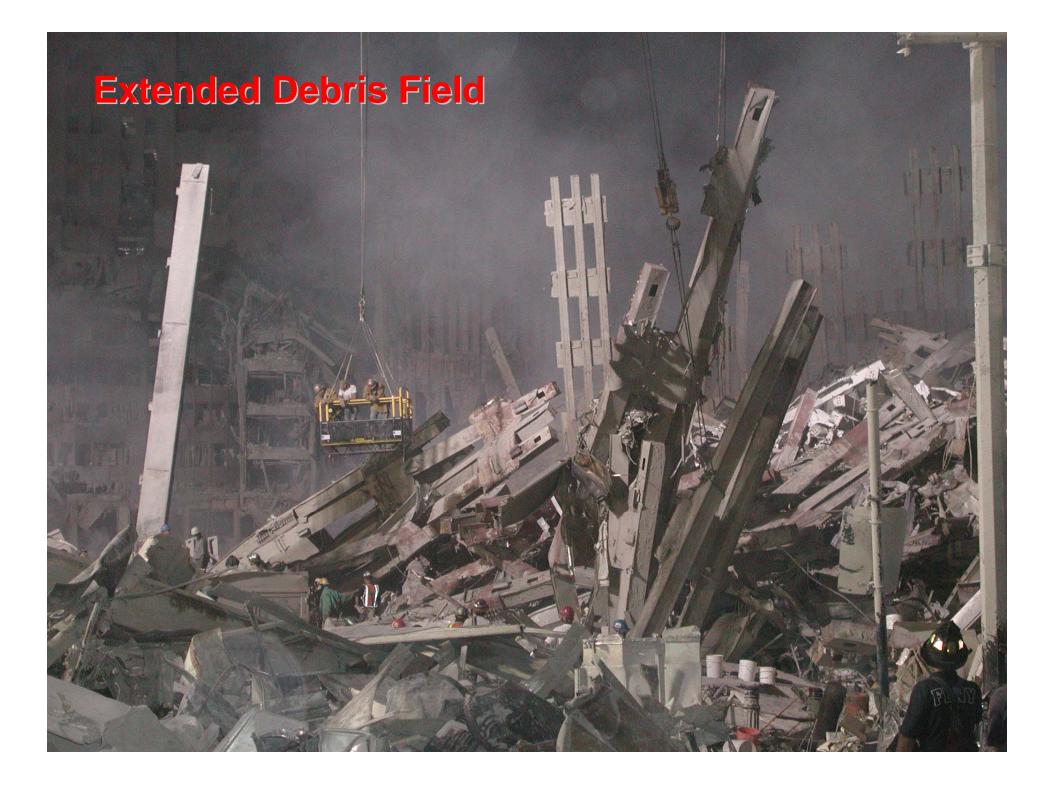














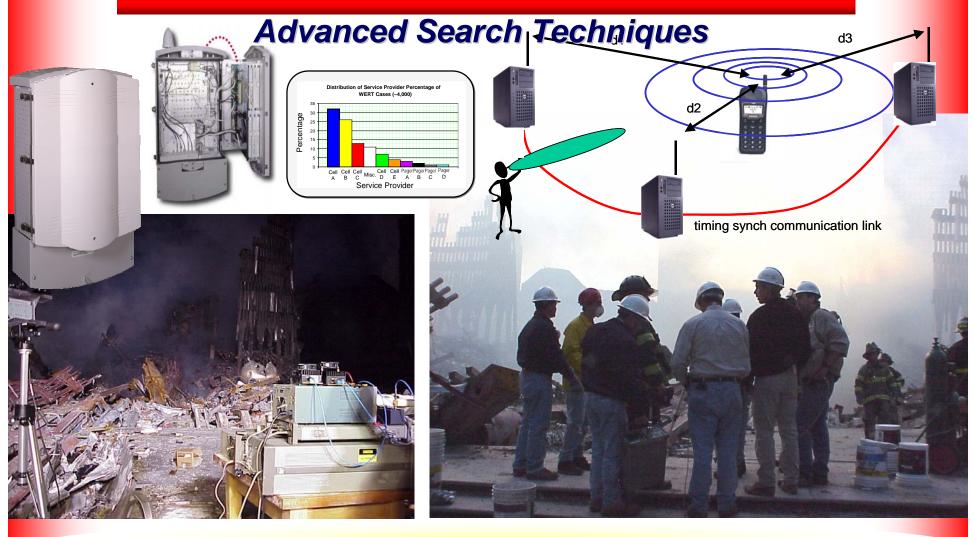


September 11, 2001

The Wireless Emergency Response Team was established on the night of September 11, 2001 to provide coordinated wireless industry mutual aid support for Search and Rescue efforts at the World Trade Center rubble site.

... using wireless technology to save lives

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... best minds in the industry came together

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Response to Hurricanes Katrina & Rita, & New Orleans Flood





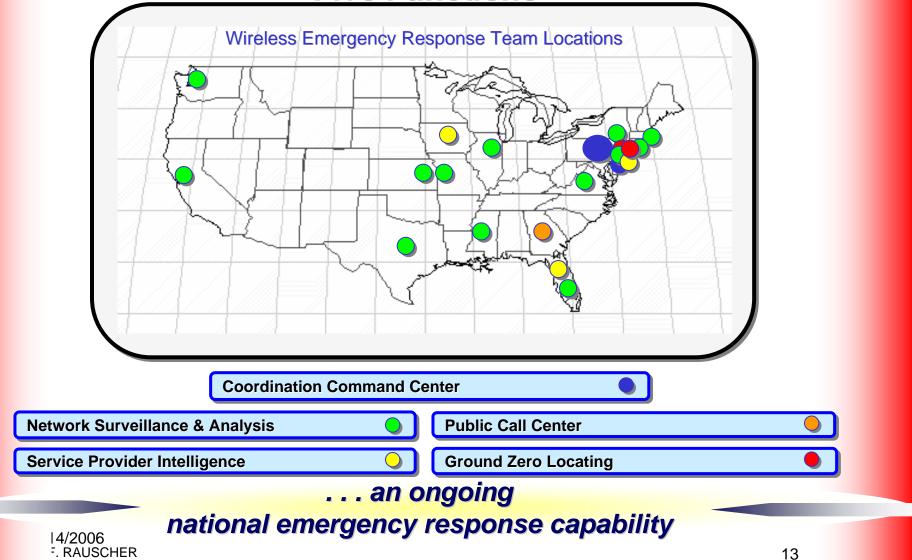
1. Wireless Network Simulation

2. 911 Call Failure Analysis

... 2 Primary Approaches

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Five Functions



Participating Organizations to Date Include:

AG Communications Systems Alltel Metrocall American Tower (SpectraSite) Motorola **Arch Wireless** DHS NCS **Argonne National Laboratory** NCC AT&T NRIC **BatteryCorp** NYPD **BellSouth NYC Mayor's Office** CTIA Nortel Cingular Wireless (AT&T Wireless) PCIA **Dobson Cellular Pennsylvania State Police EDO Corporation** Qualcomm Ericsson **Qwest Wireless** FBI SkyTel FCC Sprint Nextel FEMA State of New Jersey **IEEE COMSOC Telcordia Technologies** Intelsat **T-Mobile** Louisiana Public Service Commission **Triton PCS** Louisiana State Police **TruePosition** Lucent Technologies Bell Labs 4/2006 - RAUSCHER

University of Texas **USCellular U.S. Coast Guard** U.S. Congressman Ed Royce, Office of **U.S. Department of Defense** NORTHCOM **U.S. Department of Energy U.S.** Department of **Homeland Security** U.S. Marshals Service, ESU **U.S. Secret Service UTStarcom** Verizon **Verizon Wireless** WesTower Wheat International White House Office of Science and Technology

Union Cellular

Mission

- 1. Lead advanced wireless expertise, technology and infrastructure support for **Search & Rescue** operations in national crises
- 2. Conduct focused **research and report** key learnings to industry, government and the public
- 3. Provide **emergency guidance** for 911 centers, law enforcement, wireless service providers and family members

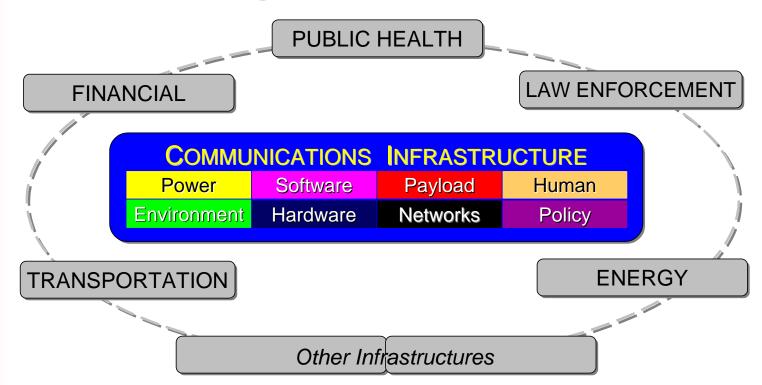
From time to time, WERT may also use its unique wireless capabilities and expertise to address other critical needs of society.

Being good stewards of our capabilities

RAUSCHER



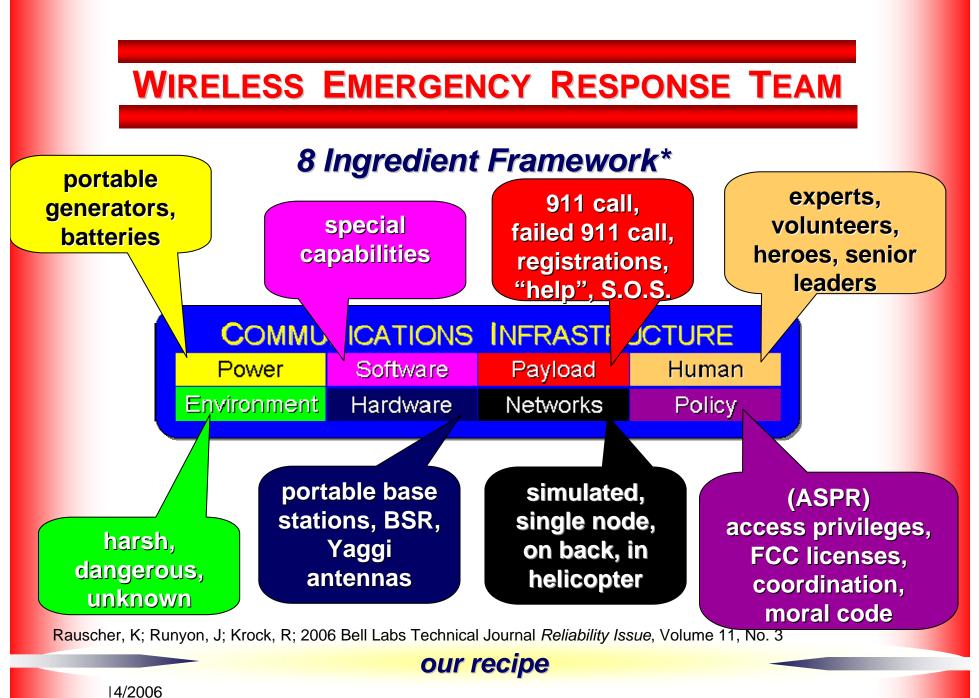
8 Ingredient Framework*



*Proceedings of IEEE CQR 2001 International Workshop., May, 2001; Federal Communications Commission (FCC) Network Reliability and Interoperability Council (NRIC) VI Homeland Security Physical Security Focus Group Final Report, Issue 3, December 2003; Rauscher, Karl. F., Protecting Communications Infrastructure, Bell Labs Technical Journal Homeland Security Special Issue, Volume 9, Number 2, 2004., The President's NSTACNGN Tf Final Report, March, 2006.

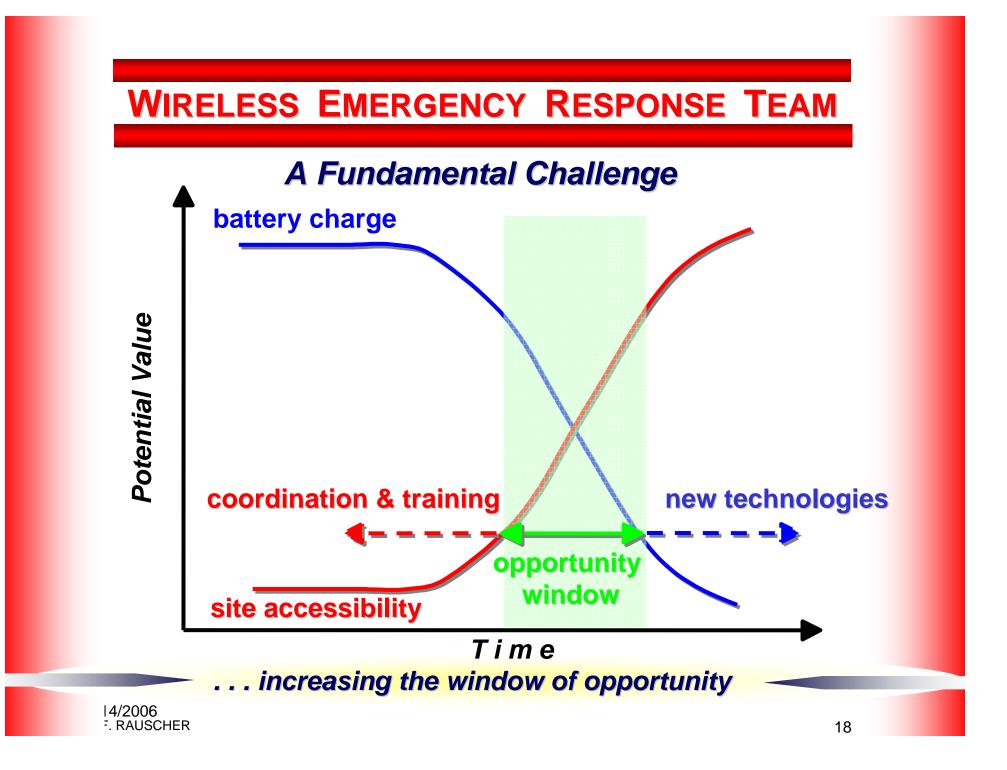
building blocks of a network

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-. RAUSCHER

17



Vision

Connect the best minds and resources

of the wireless industry

to the most vital needs of its subscribers.

... using wireless technology to save lives

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Responsibility

"And to every one to whom much has been given, much shall be required"

Luke 12:48

. . . how can we not do all we can to save lives?-

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