



# **Working Group 9: Infrastructure Sharing During Emergencies**

## **Status Update**

September 12, 2013

Jay Naillon (T-Mobile), Chair  
Eric Panketh, FCC Liason

# WG9 Objectives

## **Description:**

Natural disasters and other hazards can result in the destruction of vital communications assets, leading to disruptions to communications at times when users need them most. In recent years communications providers have explored various methods of sharing infrastructure and assets, such as back-up power assets and in-market roaming agreements, to compensate for the temporary loss of assets. This working group will examine these options and recommend a set of best practices that service providers could use to more rapidly apply infrastructure sharing methods to sustain communications in future emergencies.

## **Deliverable(s):**

- First Draft of recommended best practices for short-term focus items, March 2014
- First Draft of recommended best practices for long-term focus items, September 2014
- Determine long-term road map beyond 2014 for WG9, December 2014
- Final Recommendations and white paper outlining recommended best practices, December 2014



# WG9 Members

Jay Naillon (T-Mobile)  
Eric Panketh (FCC)  
Ingrid Caples (Health and Human Services)  
Geoffrey G. Why (MA Dept. of Telecommunications & Cable)  
John Lawson (Capitol Broadcasting Company)  
Stacy Hartman (Century Link)  
Kent Bowen (AT&T)  
Steven E. Martin (AT&T)  
Chris Oberg (Verizon Wireless)  
Rich Zinno (Sprint)  
Jim Shortal (Cox)  
Lynette van Someren (Comcast)  
Eric Woody (Union Wireless)  
Mark Christian (American Tower Company)  
Cliff Abbio (Crown Castle)  
Gaspar Wosa (Ericsson)  
John Schwarz (Ericsson)  
Joy Mukherjee (NSN)

Dick Scott (Battery Corp)  
John Kim (Energys Delaware Inc)  
Richard Qualey (Pacific Power Rentals)  
Jason Thompson (Sunbelt Rentals, Inc)  
Anil Trehan (Commscope)  
Carroll De Mas (Valrico)  
Stephen Tibbs (Foster Fuels)  
Brian Josef (CTIA)  
Rick Kemper (CTIA)  
Robert Cavazos (Harris County ITC)  
Ed Roth (Larimer Count, CO)  
Chao-Ming Liu (Applied Communication Sciences)  
Denise Anderson (Information Sharing and Analysis Center)  
Julia Merette (federal Reserve Bank of New York)  
Lola Judge (Federal Reserve Bank of New York)  
Alland Sy (Goldman Sachs)  
Steve Schwartz (Goldman Sachs)  
Todd Duffur (Generac)  
Jarret Devine (FEMA)  
Alice Lippert (DOE)



# Background

- During large scale natural disasters, communications can be impeded or prevented by the loss of infrastructure, backup power and transport facilities



- 8.1 million homes lost power as a result of Hurricane Sandy with \$65 billion in US damages<sup>1</sup>



<sup>1</sup> [http://www.nhc.noaa.gov/data/tcr/AL182012\\_Sandy.pdf](http://www.nhc.noaa.gov/data/tcr/AL182012_Sandy.pdf)

# WG9 Approach – Shared Infrastructure

- Divide focus into three areas:
  - Wireless Carriers (Network Solutions)
  - Backhaul/Transport
  - Backup Power
- Focus on shared infrastructure opportunities:
  - Determine possible near and long term solutions
  - Develop recommended best practices



# WG9 Status

- WG9 has assembled a team of 37 members, includes representatives from:
  - Wireless carriers
  - Network and device manufacturers
  - Tower companies
  - Fuel and deployment services
  - Backup power solution manufacturers
  - Transport facility providers
  - Financial sector
  - Local, state and federal agencies



# WG9 Schedule

- Bi-weekly conference calls with members
  - Held first meeting September 6<sup>th</sup>
  - In person meetings as needed
- Deliverables:
  - Short-term BPs (March 2014)
  - Long-term BPs (September 2014)
  - Final BPs and recommendations
    - October 2014 – Draft Final WG9 Report(s)
    - December 2014 – Final WG9 Report(s)



# Next Steps

- September 2013:
  - Finalize WG9 membership
  - Identify short-term focus areas
    - Identify work teams and begin working plans
- October 2013:
  - Identify long-term focus areas
    - Identify work teams and begin working plans
- December 2013:
  - Provide updates to steering committee and CSRIC council

