



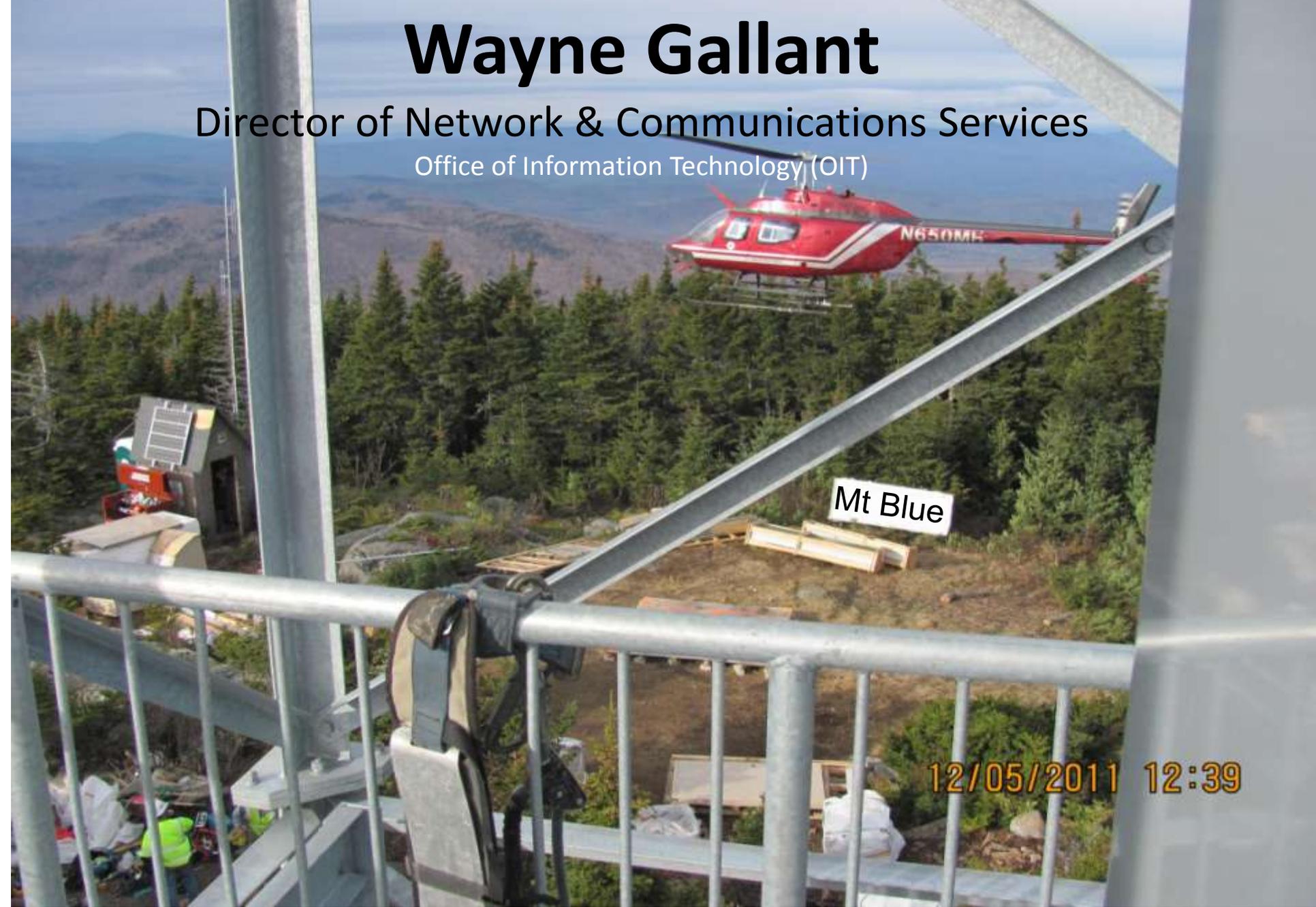
Maine State
MSCommNet
Communications Network

Outreach Session Presentation
March 2012

<http://www.maine.gov/mscommnet>

Wayne Gallant

Director of Network & Communications Services
Office of Information Technology (OIT)



An aerial view of a large solar panel array installed on a roof. The panels are arranged in a grid pattern, with rows and columns separated by dark metal rails. The perspective is from above, looking down at the array. The background shows a clear sky and some trees in the distance.

SOM OIT & MCommNet Project Office

Wayne Gallant, Craig Hitchings, Stanley Fage

State Radio Operations

John Covert, Supervisor

Maine State Police

LTC Bessette

MEMA

Bruce Fitzgerald

Harris RF Communications

Ken Steere

– Co-locaters

- Vern Ouellette

Aroostook County
EMA Director

(Cyr Mountain)



– Co-locaters

- Renee Wellman

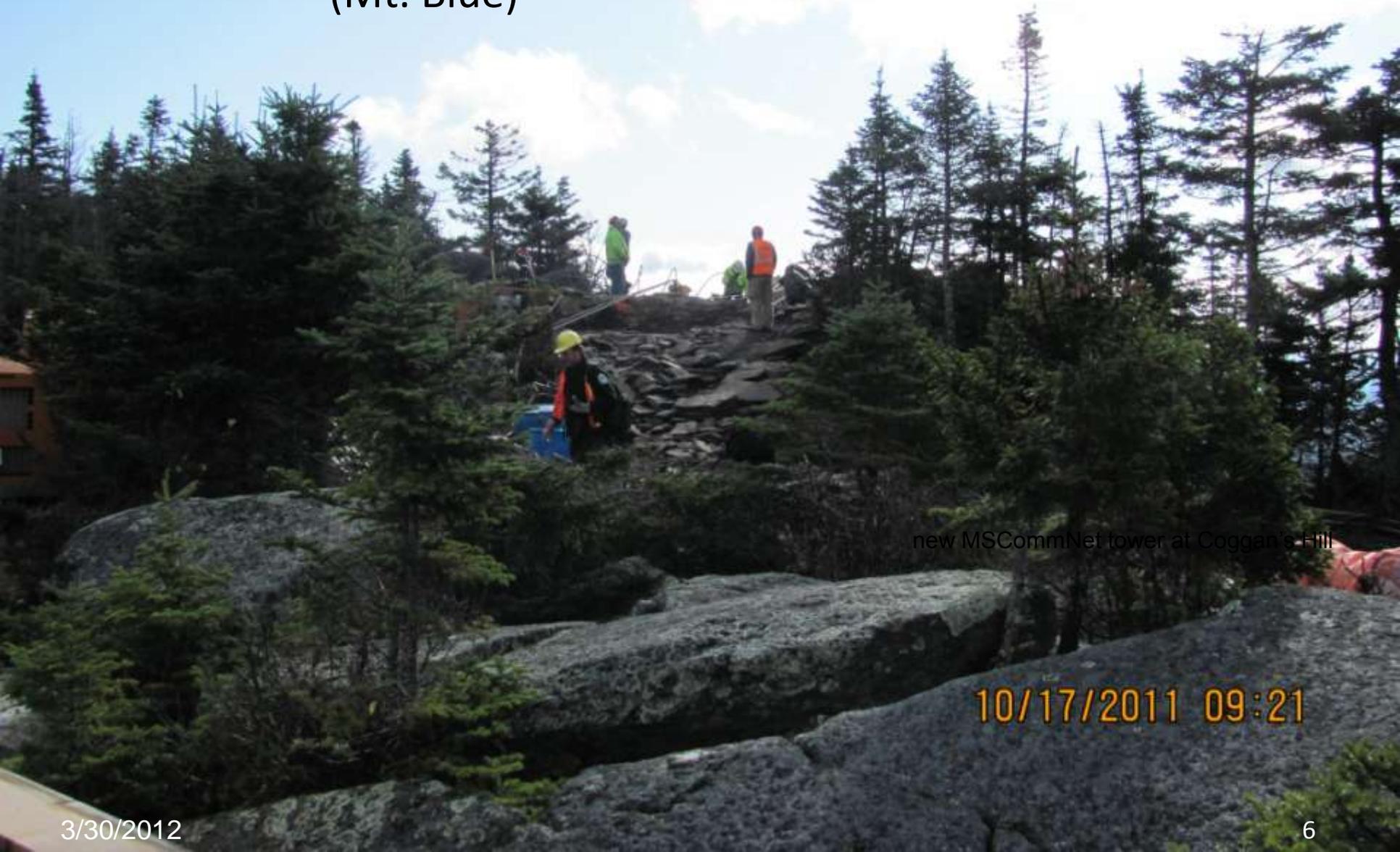
Hancock County
RCC/9-1-1
Communications
Director

(Cadillac Mountain)



– Co-locaters

- Tim Hardy, Franklin County EMA Director (Mt. Blue)



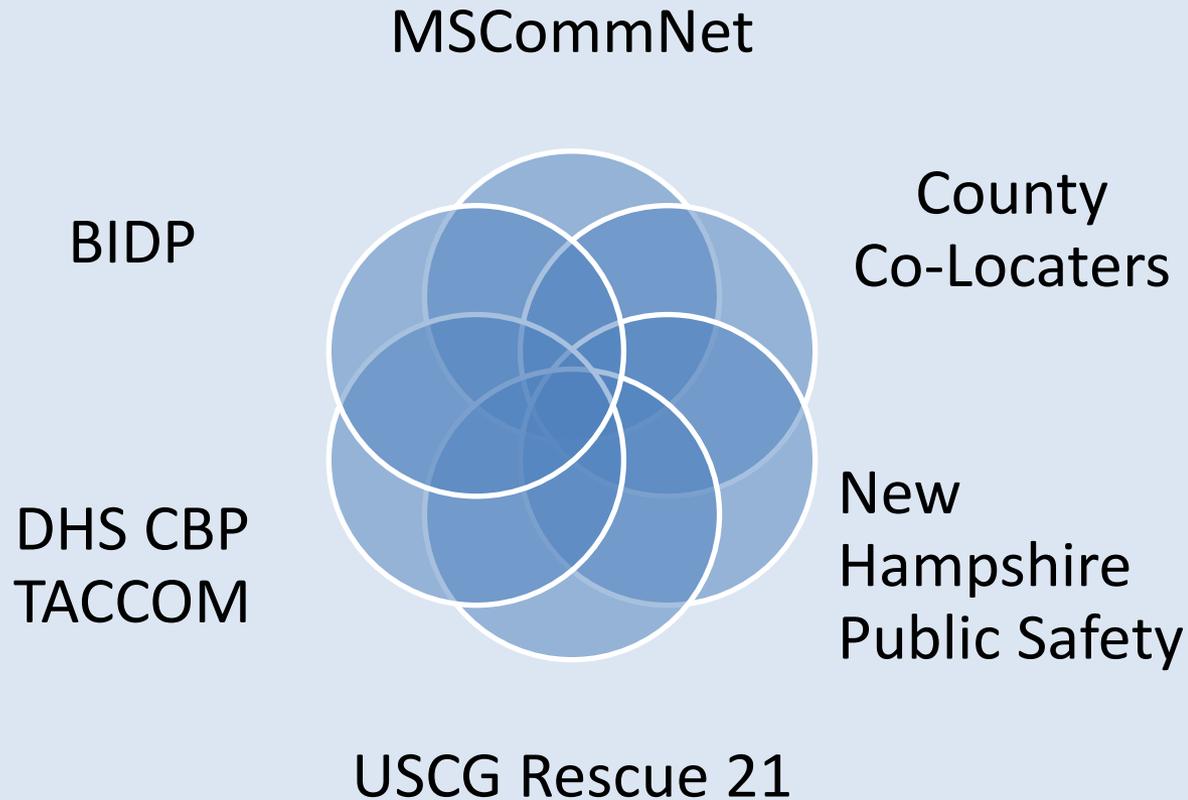
new MScCommNet tower at Coggan's Hill

10/17/2011 09:21

MSCommNet Objectives & Priorities

- MSCommNet - Objectives
 - Reliable voice communications (push-to-talk, 1 to many)
 - Replace and consolidate outdated (30+ year) infrastructure
 - Geographical coverage
 - Increased capacity
 - Interoperability
 - Regulatory compliance
 - FCC VHF narrowbanding mandate: January 1, 2013
- MSCommNet - Priorities
 - Maximize State resources
 - Reduce development and operating costs
 - Long term technical scalability

Adjacent Modernization Projects



Craig Hitchings

MSCoMMNet Project Office Manager

Office of Information Technology (OIT)



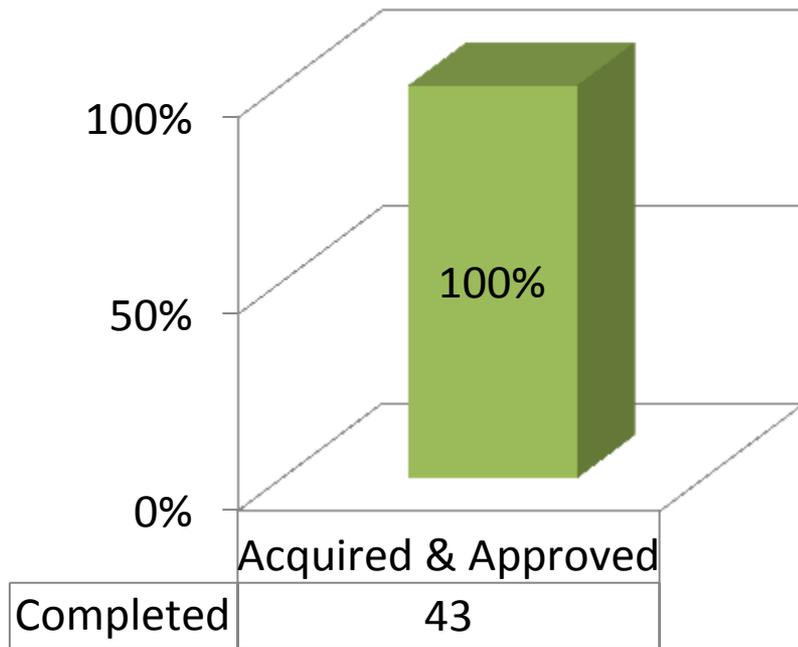
3/30/2012

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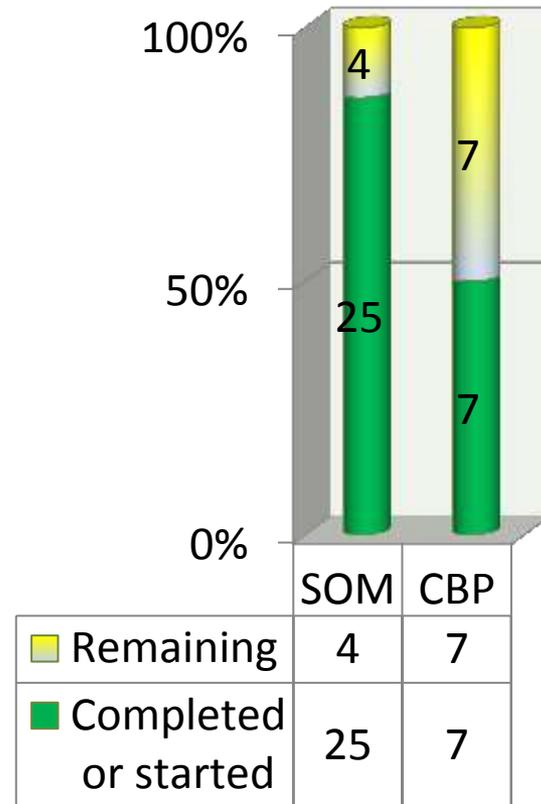
MSCommNet Project Status

Land Acquisition & Site Civil Construction

Land Acquisition



Site Civil Construction





- ▲ Campus Site - Corrections
- ▲ MSCommNet Site
- CBP Built/Maine Shared Site
- Maine Built/CBP Shared Site
- Helo Access
- Solar Site
- Network Connectivity
- I-95
- US Route 1

- IAA & Mountaintop policy
- Public hearings
- Unique construction
- Photos



Mt Blue
December 5, 2011

Mt. Blue



Mt. Blue

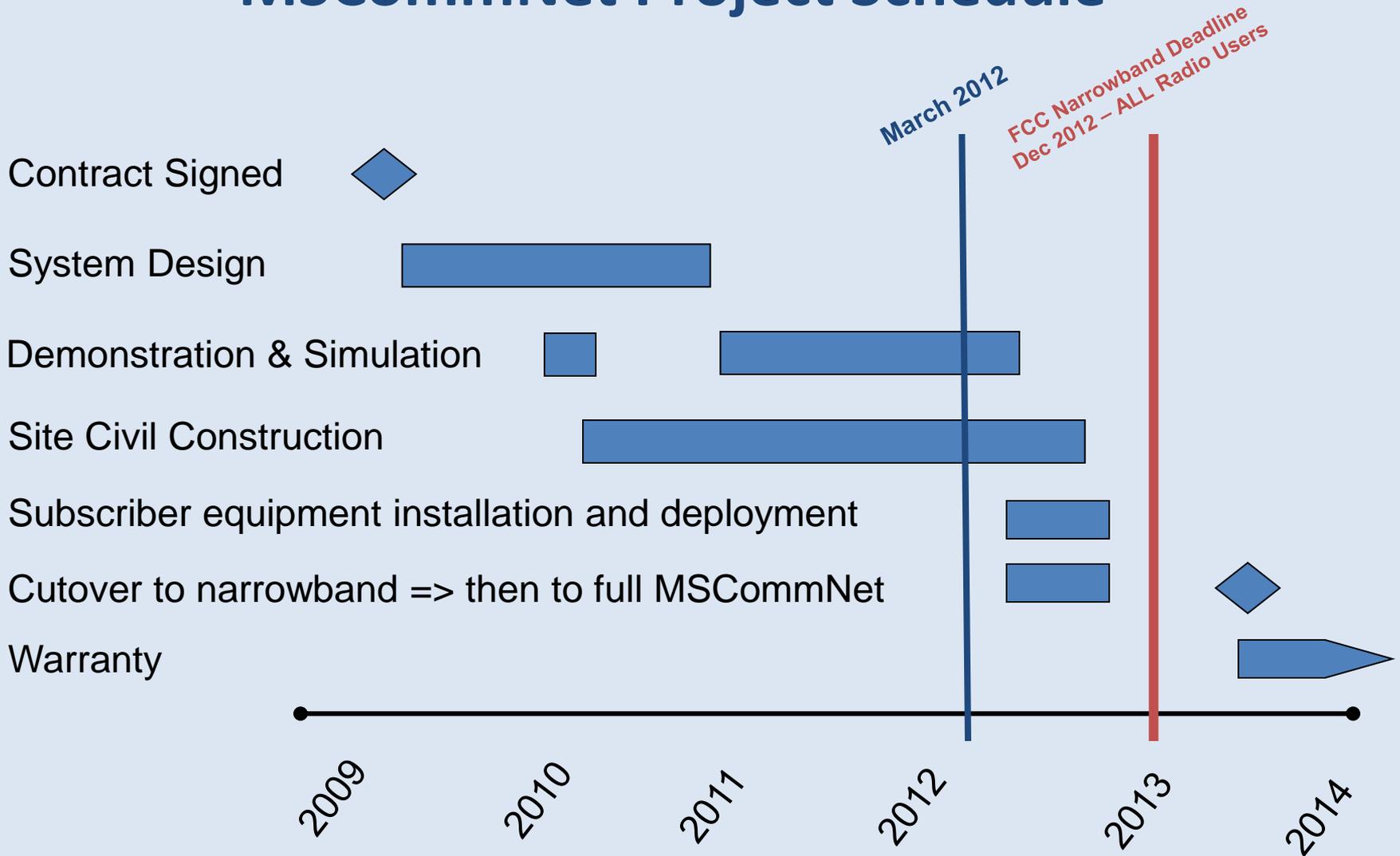


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3/30/2012

14

MSCoMMNet Project Schedule



Ken Steere
Project Manager



FREQUENCY
STATUS

12/05/2011 13:51

302 Frequencies Required: 99 approved & 200+ at the FCC for review

- **FCC Industrial / Business Frequencies**
 - AAR Waiver being reviewed by Commission
 - Public Notice / Public Comment Period completed
- **National Telecommunications & Information Administration (NTIA)**
 - Department of the Interior MOU executed
 - 86 frequencies at NTIA review
 - DOI returned with 27 recommendations/balance in process
- **Congressional Delegation Coordination**
 - Coordinated letter to FCC from both Maine Senators in process
- **FCC Narrow banding Waiver Deadline Extension Request**
 - Submitted to FCC on 22-Dec 2011
 - Anticipated approval in the Spring 2012

Bruce Fitzgerald

MEMA Director (Acting)





Border Interoperability Demonstration Project

- **Three year grant period (FY2011 – 2014)**
- **\$3,963,000 from DHS Office of Emergency Communications (OEC)**
- **Partners: Washington, Aroostook, Somerset, Franklin, Oxford Counties; Passamaquoddy Tribal Nation; State of Maine agencies; US Customs & Border Protection; Quebec and New Brunswick agencies**

- **GOAL: Near continuous coverage along the entire border, to include remote areas**

- **Aligns with Maine's SCIP strategic initiatives and goals**
 - **Coordination with neighbor states and country**
 - **Partnership with Canada to help streamline the Line A approval process**
 - **Radio infrastructure build out**
 - **Communications planning activities**
 - **Cross-border training and exercise**



Border Interoperability Demonstration Project

Challenges Addressed:

- 611 miles of Maine – Canada border
- Daily interoperability with Canadian mutual aid partners
- Numerous coverage “dead spots” in extremely rural, rugged terrain
- FCC Narrowband mandate

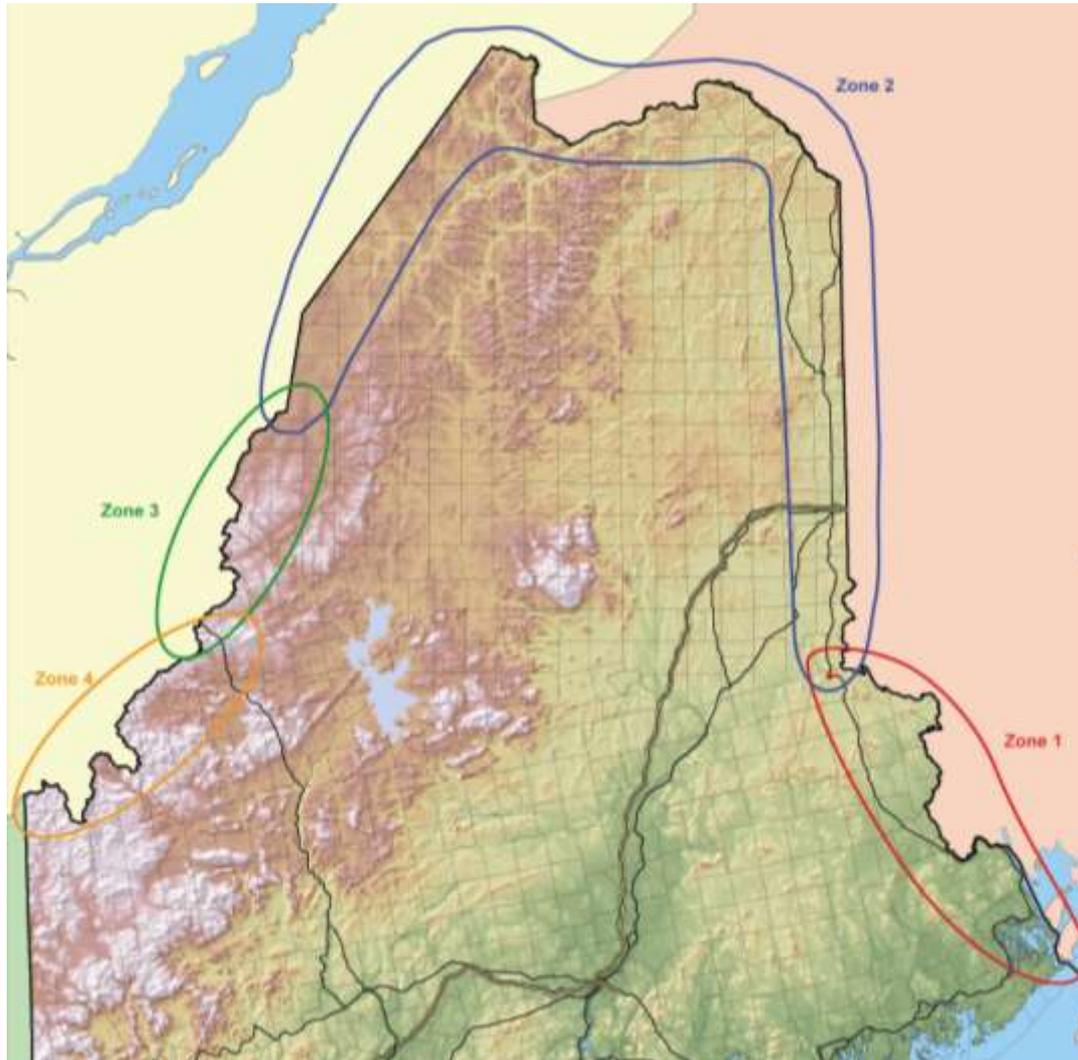
Proposed Solutions for BIDP:

- New and updated towers, repeaters
- Partnership with MISCommNet project at Cyr Mountain (Aroostook County)
- Cross-border radio caches
- SOPs for interoperability during mutual aid
- Training and exercise on SOPs
- US – Canada Interoperability Channel (USCIC)





Border Interoperability Demonstration Project





FCC Narrowband Mandate Readiness Activities

- Purchase of Kenwood, Motorola and ICOM portable, mobile, and base station radios
- Technical assistance for NB frequency re-licensing issues (through County EMAs and SWIC)
- Planning grants to County EMAs for NB coordination
- “Narrowband Primer” document
- *Narrowband: Are You Ready?* awareness dvd and resource materials
- Quarterly SCIP newsletter





FCC Narrowband Mandate Readiness Activities

Radio Purchasing Strategy:

- Standards based inventory evaluations at PD/FD/EMS/EMA agencies to determine minimum replacement needs for non-NB capable radios
- Utilizing remaining FY2007 PSIC Grant funds
- Remaining PSIC funds *may* be used to purchase additional radios for municipal public works and school departments
- Remaining PSIC funds *may* be used to address new coverage gaps as agencies transition to NB frequencies
- Re-allocating State of Maine radios to communities using a population based formula

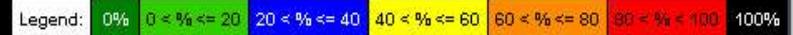




FCC Narrowband Mandate Readiness Activities

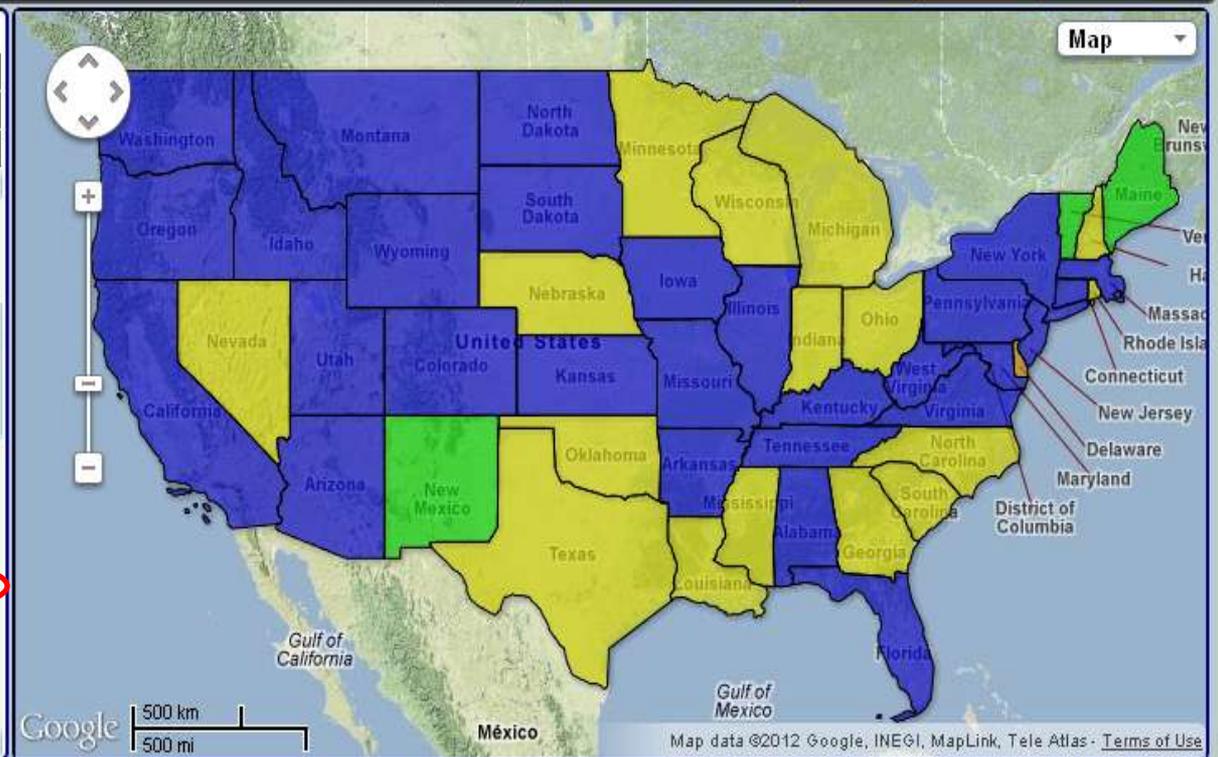
Wideband (25kHz) Status

(Licenses with ONLY Wideband Emission Designators)



Select State: National View

| Wideband (25kHz) Status | | | |
|-------------------------|---------------|---------------|--------------|
| State | # WB TXs | Total TXs | % WB TXs |
| Totals: | 114985 | 317683 | 36.2% |
| Georgia | 2878 | 6808 | 42.3% |
| Guam | 16 | 16 | 100.0% |
| Hawaii | 204 | 568 | 35.9% |
| Idaho | 885 | 3747 | 23.6% |
| Illinois | 3496 | 11945 | 29.3% |
| Indiana | 2065 | 5015 | 41.2% |
| Iowa | 1851 | 4657 | 39.8% |
| Kansas | 1319 | 3457 | 38.2% |
| Kentucky | 1694 | 4698 | 36.1% |
| Louisiana | 1704 | 3056 | 55.8% |
| Maine | 515 | 4304 | 12.0% |
| Maryland | 1451 | 3959 | 36.6% |
| Massachusetts | 1873 | 5721 | 32.7% |
| Michigan | 3281 | 6315 | 52.0% |
| Minnesota | 4140 | 7111 | 58.2% |



Stan Fage

MSCommNet Radio Project Office
Office of Information Technology

12/05/2011 13:52

MSCommNet Rollout

- Two Phases
 - 2012: User Equipment → Legacy System
 - 2013: MSCommNet Cutover
- Other Considerations
 - FCC Narrowband Mandate
 - State Legacy System (Repeaters, User Equipment)
 - CONOPS
 - Legacy User Equipment Redistribution
 - Construction Completion
 - Acceptance Testing (Site, System, Coverage)
 - RegionNet & MSP Zone Dispatch Broadcast
 - Frequency plan completion



DEPARTMENT OF PUBLIC SAFETY

Maine State Police

STATE OF MAINE



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- [About Us](#)
- [Jobs & Training](#)
- [Licenses & Permits](#)
- [Field Troops](#)
- [Special Units](#)
- [Criminal Investigation & Forensics](#)
- [Vehicle Inspections & Crashes](#)
- [Commercial Vehicles](#)
- [Bureau of Identification](#)

[Weekly News Letter](#)

LTC Ray Bessette Maine State Police

EMERGENCY CONTACTS

(800 numbers in state only)

Gray: 207-657-3030 or 1-800-228-0857

Augusta: 207-624-7076 or 1-800-452-4664

Orono: 207-866-2122 or 1-800-432-7381

Houlton: 207-532-5400 or 1-800-924-2261

[Communications Website](#)
[Phone List](#)

ONLINE RESOURCES



- [FBI Child ID Application](#)
- [Traffic Safety Information](#)
- [Public Criminal Records](#)
- [Sex Offender Registry](#)
- [Crash Reports](#)



RegionNet Interoperability Layer

with Municipal, County, Tribal, State & Federal agencies

- **2-way interoperability (MSCommNet repeater at 40 sites)**
- **MSP Zone Dispatch Broadcast Service on selected RegionNet repeaters**
 - Protocols required for incident management
 - Expanded geographical coverage
 - **currently 9 MSP repeater sites**
 - **will have 17 MSCommNet repeater sites**

Ken Steere Project Manager

Subscriber Equipment Overview



P5400 Portable VHF



Unity® XG-100P Portable Full-Spectrum Multiband



3/30/2012

M7300 Mobile VHF



10/17/2011 08:58



C3 Maestro™ Dispatch Console



3/30/2012

