Oregon Wireless Interoperability Network (OWIN)

Program Update
September 28, 2006

OWIN Drivers

- **Existing systems compromise the safety of the public and state agency public safety professionals**
- **4 separate state systems**
- **Limited interoperability**
- **HB 2101**
- **FCC requirements**
- **Governor's priority**
- **Status quo is NOT an option**

HB 2101 - Findings

- **The public safety communications infrastructure of the State of Oregon is rapidly aging, outdated and at severe risk of failure;**
- **The adopted policies and standards and specific deadlines mandated by the Federal Communications Commission will require replacement of statewide public safety communications infrastructure in the State of Oregon;**
- **The reliability of mission-critical public safety communications infrastructure during a man-made or natural disaster is crucial to saving lives and property and to protecting the public during an emergency;**

HB 2101 - Findings

- **The deteriorating condition of our public safety radio systems is of immediate concern because it compromises the safety and well-being of the citizens of the State of Oregon who depend upon lifesaving communications systems used by first responders;**
- **The majority of the communications systems in the State of Oregon are unreliable, greatly increasing the danger to first responders and law enforcement officers in carrying out their duty to protect the citizens and property of the State of Oregon;**

HB 2101 - Findings

- **It is in the public interest of Oregonians to plan for improvement of the public safety communications infrastructure to ensure long-term stability; and**
- **Federal funding for homeland security may be available to facilitate all or part of the development and implementation of a plan for improvement of the public safety communications infrastructure in the State of Oregon**

HB 2101 - Policy

- **To develop, finance, maintain and operate a single emergency response wireless communications infrastructure that supports both the communications needs of all state agencies and ensures communications interoperability among all state, local, tribal and federal public safety agencies, thereby maximizing shared use of this invaluable public asset.**
- **To meet Federal Communications Commission mandates for the conversion of public safety communications frequencies and spectrum allocation by 2013.**

Infrastructure Replacement Plan

- **Under direction of Governor, Office of Emergency Management shall coordinate work of public safety agencies in the state and the State Interoperability Executive Council to develop Public Safety Wireless Infrastructure Replacement Plan.**
- **Guides consolidation of existing radio infrastructure**
- **Provides for future management of existing radio infrastructure**

Infrastructure Replacement Plan

- Details the engineering and technology specifications for placement and modernization of the infrastructure, allowing for alternative options and phased system development
- Describes the overall benefits and cost of the system
- OEM submits progress reports on plan development to legislative Emergency Board and JLCIMT on November 2005 and June 2006
- OEM submits final plan to the Governor, legislative leaders on January 2007

Infrastructure Replacement Plan

- **OEM also submits to legislature one or more proposals for financing plan that includes consideration of:**
  - **Federal funding sources;**
  - **Existing or new fee income or excise taxes; and**
  - **Cooperative local and state financing components.**

State Interoperability Executive Council

- Two legislators appointed by leadership.
- State Police
- OEM
- Forestry
- Corrections
- DAS
- DHS
- Military
- DPSST
- Tribe
- APCO/NENA
- Public
- Fire Chiefs
- Police Chiefs
- Sheriffs
- AOC
- LOC
- Special Districts

Work Products Since Last Briefing

- Core site report
- Tower usability report
- Technology selection report
- Coverage analysis reports – core sites, VHF/700 MHz
- System consolidation report
- 700 MHz data system design report
- Frequency analysis report*
- Initial draft - VHF/700 MHz approach*
- Building/tower conceptual design*
- Microwave design *

* Currently under review by OWIN project management

Major Deliverables In Progress

- Frequency band recommendation
- Interoperability channel core site recommendation
- Statewide composite coverage maps
- Conceptual design for radio system
- Gap analysis between existing systems and conceptual design
- Business case document
- Detailed design and implementation plan including cost estimates by phases

What We Need…

- **Dialogue**
- **Cooperation**
- **Unified voice**
- **Proven solutions**
- **Support**

Questions???

Contact Information:

Mike Zanon
OWIN Program Manager
OREGON WIRELESS INTEROPERABILITY NETWORK
P.O. Box 14360
Salem, OR 97309

503-378-3055 x 55037 (office)
503-798-8379 (mobile)
503-364-2661 (FAX)
michael.zanon@state.or.us