

**JTSN**

## E9-1-1 Overview




State of Montana  
Energy & Telecommunications  
Interim Committee  
November 22, 2005




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**JTSN**

## State of Montana Public Safety Service Bureau



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Assistant 911 Program Manager]
  
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## 9-1-1 Program



Is responsible for administering the state's 9-1-1 services on behalf of all local 9-1-1 jurisdictions. The program has an obligation to oversee, support, and provide guidance for the deployment. In addition, we continue to pursue funding streams to fully support new and emerging technologies.

MCA (10-4-101/312)

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## 9-1-1 Advisory Council

- Representatives from:
  - public safety organizations
  - telecommunications providers (wireline and wireless)
  - local government officials
  - private sector



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## Basic 9-1-1

- A telephone system which automatically connects a person dialing the digits "9-1-1" to an established PSAP (Public Safety Answering Point) through normal telephone service facilities.
  - May or may not receive the ANI (Automatic Number Identification)

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## Enhanced 9-1-1

- A telephone system that includes selective routing, ANI (Automatic Number Identification) and ALI (Automatic Location Identification)

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## Wireless E9-1-1

- Currently, when 9-1-1 calls are made from wireless phones, the call may not be routed to the closest 9-1-1 Center, and the call-taker doesn't receive the call back phone number or location information.



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## Wireless Deployment

- Phase 0 – basic wireless 9-1-1 routes an emergency call to be answered by a call-taker at a public safety answering point (PSAP).
- Phase I – provides the call-taker with the call back number and the cell tower
- Phase II – allows the call-taker to receive both the caller's number and location.



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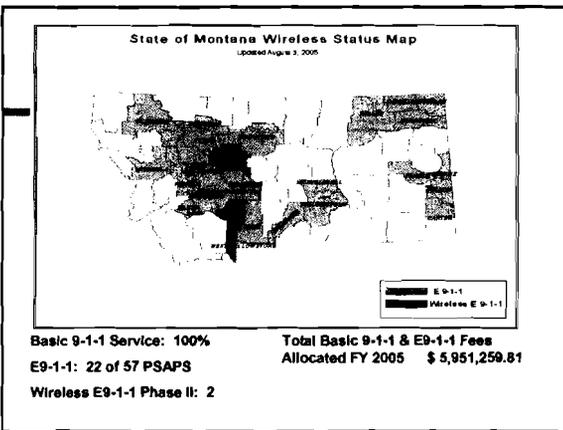
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## Statewide E9-1-1 Solution

- Rather than fund dozens of stovepipe systems, the State received funding for a uniform and standard E9-1-1 network, thereby reducing overall investment by eliminating duplication.



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## Planning

- E9-1-1 Deployment per PSAP average \$250K
- Carrier/PSAP Panel Discussions
- PSAP Inventory
- Technical Consultant – Needs Assessment and Project Management
- Request for Proposal (RFP)

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## Statewide E9-1-1 Solution

- The statewide E9-1-1 solution provides:
  - Fully Redundant E9-1-1 Network-Phase II Wireless Readiness
  - Database Services
  - Statewide Emergency Notification Service
  - Customer Premise Equipment

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## Statewide E9-1-1 Project

- **Benefits:**
  - Flexibility in level of participation - Voluntary
  - Eliminate duplication
  - Achieve uniformity & standardization
  - Reduces PSAP's initial cost
  - Participating PSAP does not spend all their 9-1-1 funds
  - PSAP will be the customer of Century Tel
  - Option for stand alone Emergency Notification Service

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## Statewide E9-1-1 Project

- **Costs**
  - 5 year contract - \$13.7M
    - (Includes monthly recurring and one time costs)
- **Revenues**
  - Federal Funding
    - State FY03 \$1.8M
    - MSPOA FY03 \$1.9M
  - State 9-1-1 Revenues
    - FY05 \$5.9M

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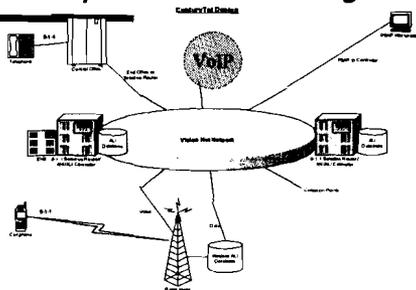
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## CenturyTel Network Design



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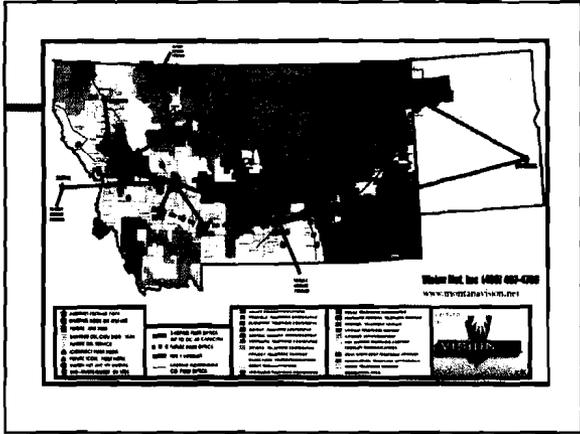
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## Emerging Technologies

- Camera phones
- Text messaging
- Video from crime scene
- VoIP

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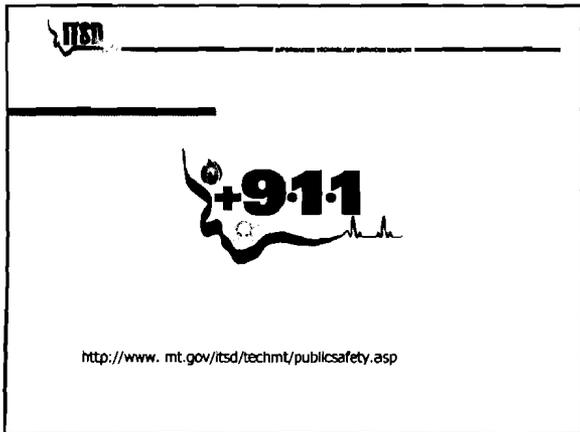
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