

# Next Generation 9-1-1 System Sharing



**Idaho Emergency Communications Commission**

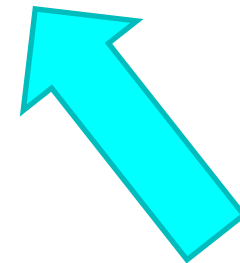
**May 28 2009**

**Bonnars Ferry, Idaho**

**Shelby Lewis**

**National Support Engineer**

- A changing world
  - Trends and challenges
- The Integrated Approach
  - Voice/Data/Content
- The Integrated PSAP
  - IP Based For Sharing



# A Changing World



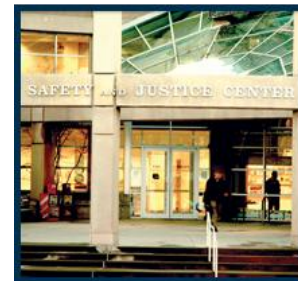
9-1-1 Caller



Voice & Data



Carrier



Receiving Agency



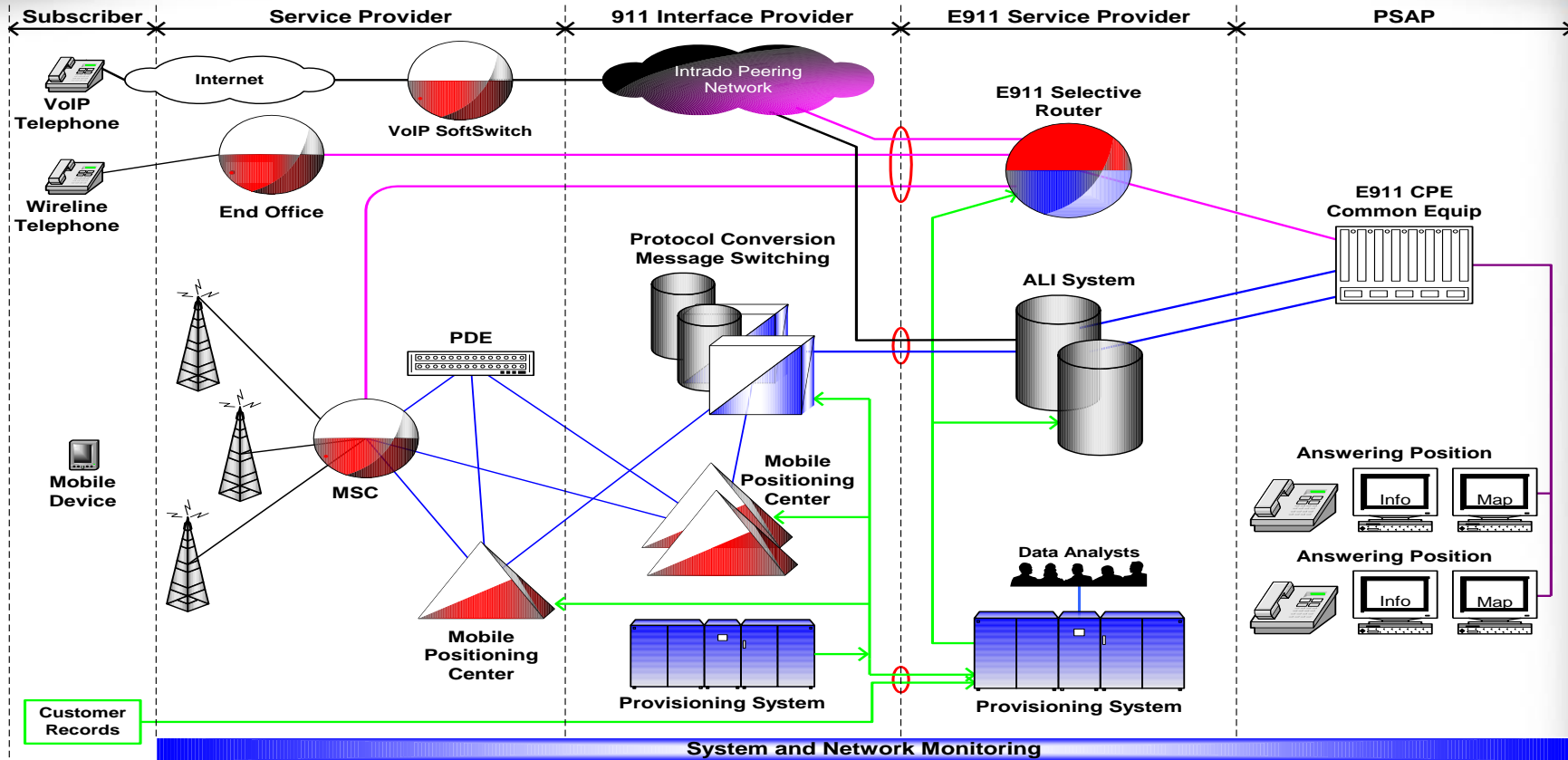
CAD/CPE

- Greater Public Expectations
- PSAP's Operating More With Less
- Steady Progression Of Technology
- Convergence Of Data Content

“As systems become more all-encompassing, System Intelligence becomes vital in today’s communication center”

E 9-1-1, GIS, Radio, CAD, MIS...

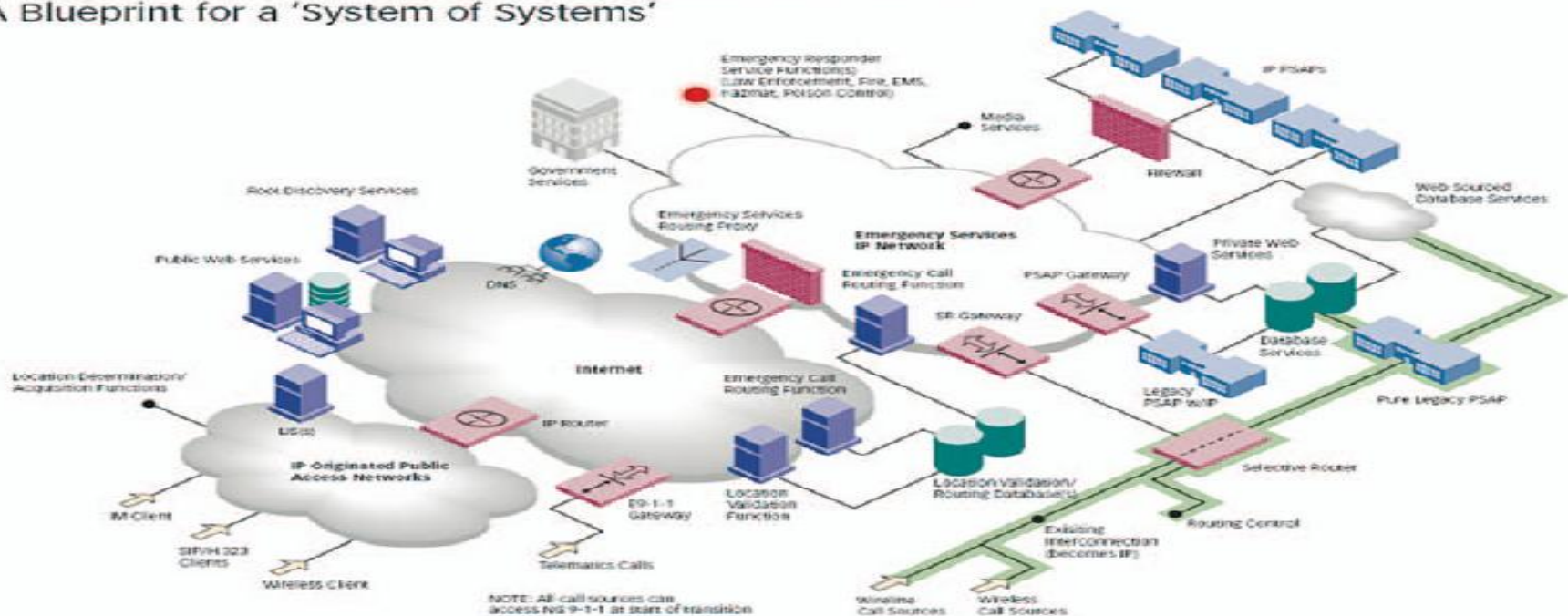
# E911 Network Today



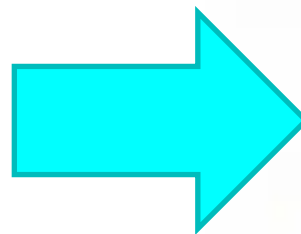
# E9-1-1 Network Tomorrow

- What comes out, must first go in
- Point of Origin/Validation
- What piece of data and when

## The Future of 9-1-1 and Emergency Communications A Blueprint for a 'System of Systems'



# System Decisions



- Why Move From Old To New?
- When Move From Old To New?
- How Move From Old To New?

# What you should look for....



- End-to-End Solutions
  - Designed to work together, maintenance
  - Remote/Host Leverage System Sharing
- Ability to start small, expand as needed
  - System Will Scale With Customer Need
  - System With No Geographic Boundary
  - Budget and planning for the future



# IP To The Rescue

- **IP Centric Solution That's Scalable To Any Size**
- **Allows PSAPs to move to a networked model that integrates voice and data on the same network**
- **Redundant Back-Room Components (Survivability)**
- **As a fully digital/software platform, easily accommodates emerging technologies as standards evolve.**
- **Enables Sharing of Common Back-Room Equipment for Remote PSAP Cost Sharing Models.**

- Receive More Information
- Manage It More Productively
- Make Decisions More Efficiently
- Share Information In A Larger Circle
- Serve Your Community Better
- Keep Pace With Your Needs

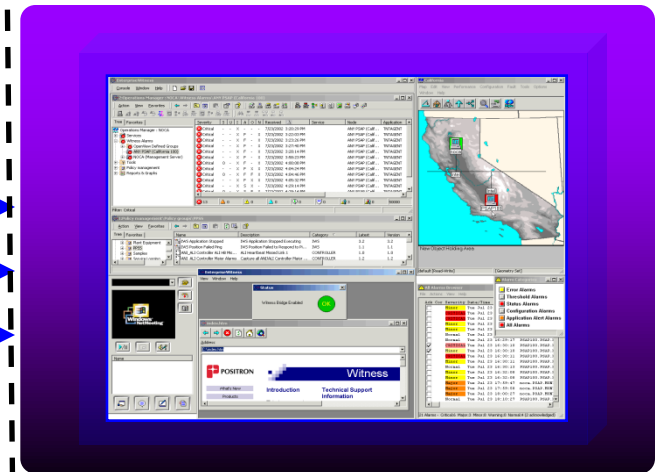
# Remote PSAPs



# Network LAN/WAN

# Multi-Position Regional Sharing

# Host

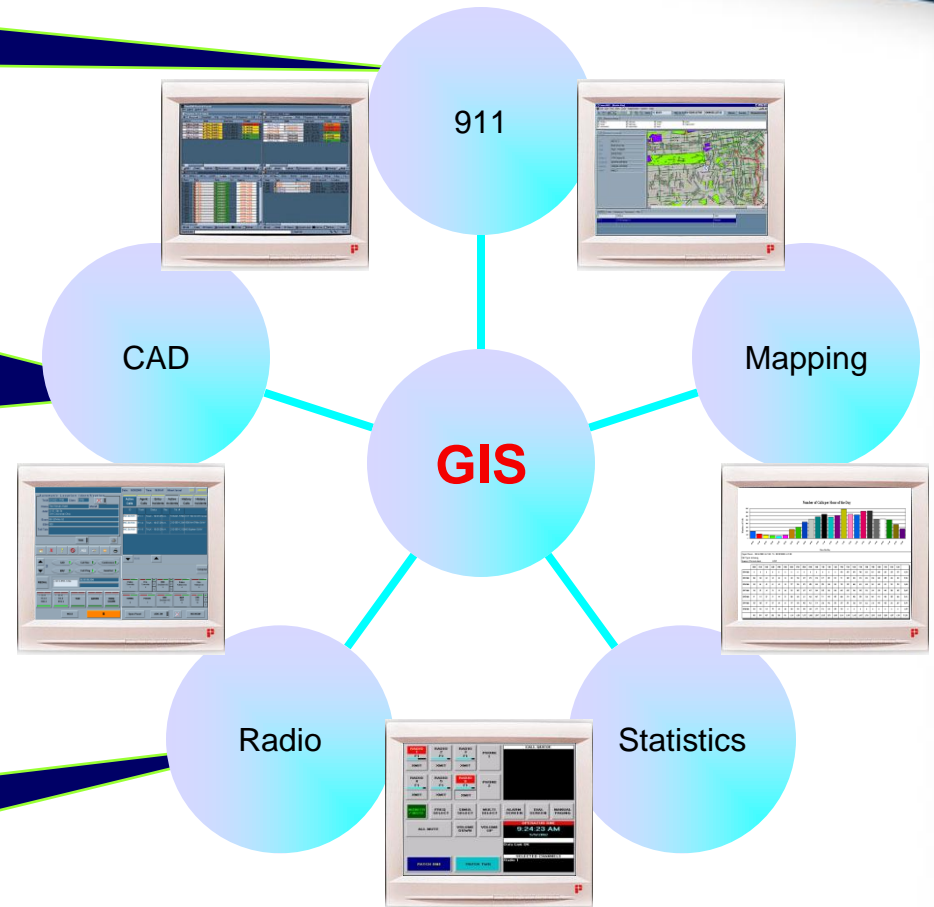


## GIS Centric Approach

Enter information once,  
use unlimited after

Make applications easier  
to use with less  
equipment and data  
entry needed

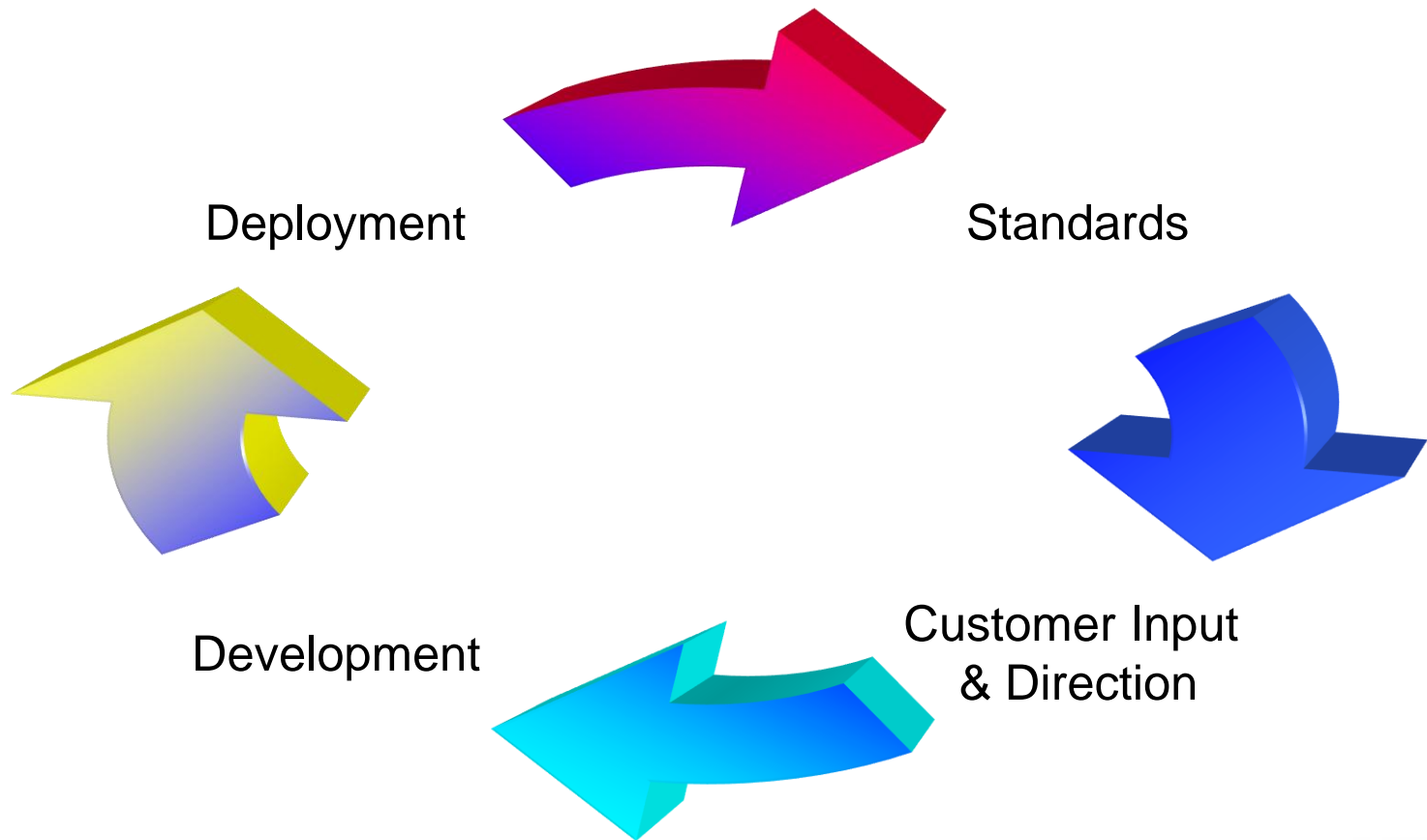
Share information and  
updates automatically



- ✓ Leverage Network Connectivity
- ✓ Increases Redundancy Layers
- ✓ Enables Enterprise Communication
- ✓ Enhance PSAP Interoperability
- ✓ Leveraged Cost Sharing
- ✓ Creates Enterprise View, Mgmt and Reporting Of All PSAPs

- ✓ Many Deployments Across Nation
- ✓ Accepted By Industry Standards Bodies (ANSI, IETF, etc.)
- ✓ Adopted By NENA/APCO
- ✓ Standards Defined On Technology
- ✓ IP Is Everywhere

# What are Vendors doing ...



# Summary

- ✓ Industry Changes
  - ✓ Customer Demand, Technology, More/Less
- ✓ Need For Integrated Solution
- ✓ Need For System Flexibility
  - ✓ Scale, Reliability, Cost
- ✓ IP System Solution
  - ✓ Meet Business Operational Requirements
  - ✓ PSAP Sharing of equipment, and Cost!



# Thank You For Your Time

For additional information on any of  
the areas covered in this presentation,  
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