Agenda

- Introductions
- Who is Intrado?
- Need for NG9-1-1
- NG9-1-1 Overview
- Transition to NG911
- Next Steps
Corporate Background

- Public Safety and consulting only business since 1979
- H.Q. Longmont, CO
- 1,200+ employees –West Corp
- Designated as DHS vital infrastructure
Need for NG9-1-1?
What is Next Generation 911?

1900 to 1975

1975 to 2008

2008 to ?

- Remember telephone operators?
What is Next Generation 911?

1900 to 1975

1975 to 2008

2008 to ?

E911
Technology Has Changed Public Safety’s Needs

Wireless
VOIP
Text
Pictures
Mapping
Misroutes
Cameras
What is Next Generation 911?

- Call to telephone operator.
- E911
- Any Call…From Anywhere…On Any Device.
Increased Demands On PSAPs

Increasing Demands on the 9-1-1 System

- Traffic Management Data
- Wireless Call Transfer
- Data to First Responders
- VoIP Integration
- AVI
- Homeland Security
- Call Diversity
- Video Streaming
- Digital Voice Recording
- Manage Call Volumes
- CAD Interfaces
- Call Triage Data
- Notification Services
- IP Radio
- Data Accuracy
- Medical Reports
- Mapping Capabilities
- Foreign Language Needs
Interoperability?

- Interoperability means getting all the available data with the voice call to the Public Safety Officers that need it.
Intrado’s Vision of 9-1-1

9-1-1 Response Continuum

Data
9-1-1 Caller
9-1-1 Call Taker
Dispatch
Responders
Secondary Agencies
Media

Confirmation that the image is clear and relevant.
Current Environment

Existing Network

9-1-1SP Network

PSAPs

MSC: Mobile Switching Center
TDM: Time Division Multiplexing
SR: Selective Router

VoIP E9-1-1 Service Providers (Intrado V9-1-1)

ALI Node

TDM Connections

MSC

End Office

Wireless

VoIP

Wireline

Confidential 08
MSC
End Office
VoIP E9-1-1 Service Providers (Intrado V9-1-1)
VoIP

Wireline
Wireless
VolIP

Existing Network
MSC
TDM Connections

Next Generation 911 Network
Managed IP Network
RCL Trunk Gateways
Provisioning Environment
IEN Edge Router
9-1-1 Location Data

Public Safety
PSAP LAN
PSAP
IEN PSAP

IP: Internet Protocol
RCL: Regional Co-location
LAN: Local Area Network
Key Benefits

- 9-1-1 interoperability
- Carrier trunk aggregation
- Enhanced backup scenarios
- Disaster recovery
- Wireless call misroute management
- Overflow management
- Geospatial enabled wireless call routing
Intelligent Emergency Network®
Deployments

- Multiple regional deployments
  - AZ AL CO FL NC OH IA VA WA
- Diverse and redundant core national infrastructure in place
- All call types supported
Next steps?
Thank You!
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