



Telecom Network Collaborative

Ohio 9-1-1

Ohio Next Generation 9-1-1 & ESINet Update

Rob Jackson - Ohio 9-1-1 Administrator

Office Phone - (614) 728-2114

Email - Rob.Jackson@das.ohio.gov

Ohio 9-1-1 Program Office

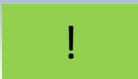
77 S. High St. - 19th Floor

Columbus, Ohio 43215

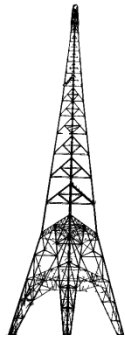
Historical Access to Emergency Services



EMERGENCY PHONE NUMBERS	
FIRE DEPT.	_____
POLICE DEPT.	_____
AMBULANCE	_____
MEDICAL	_____



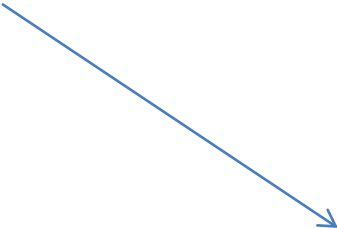
*Rural Volunteer
Fire Dept. access
system



25 seconds



9-1-1 Arrives



Phase I

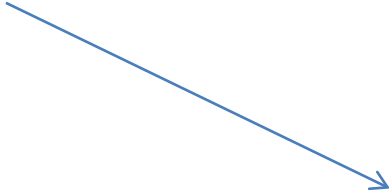
Phase II

Wireless

PSAPs

MSAG

ANI / ALI

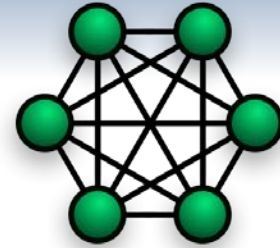


Definitions

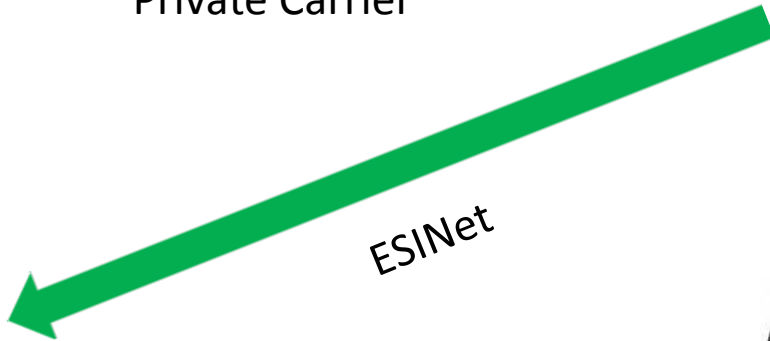
- **Next Generation 9-1-1 (NG 9-1-1)** - A concept and initiative to update 9-1-1 service infrastructure to improve public emergency communications services in today's wireless and mobile environment. In addition to calling 9-1-1 from a phone, the public will be able to transmit text, images, video and data to the 9-1-1 Center (PSAP).
- **Emergency Services Internet Protocol Network (ESINet)** - Network connecting calls, texts, etc. from the public to 9-1-1 Centers (PSAPs) as well as PSAPs to other PSAPs.



Private Carrier



Statewide
NG 9-1-1
System



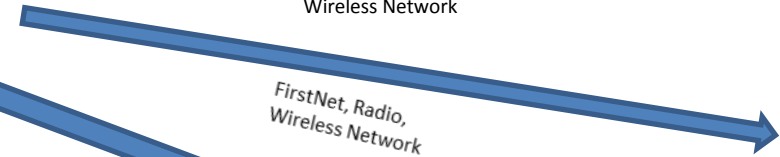
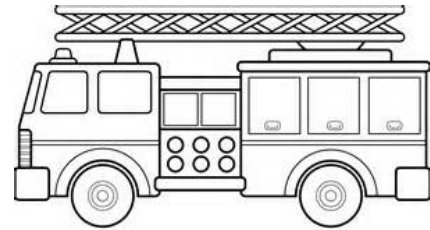
ESINet



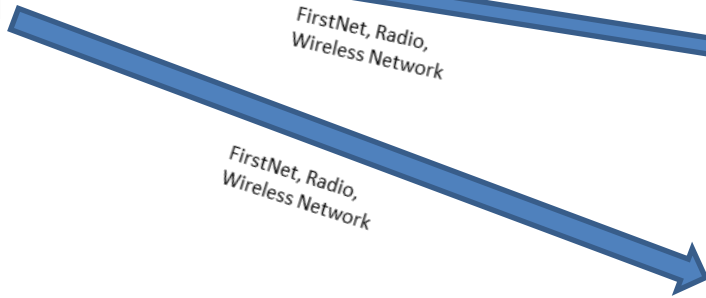
PSAP



FirstNet, Radio,
Wireless Network



FirstNet, Radio,
Wireless Network

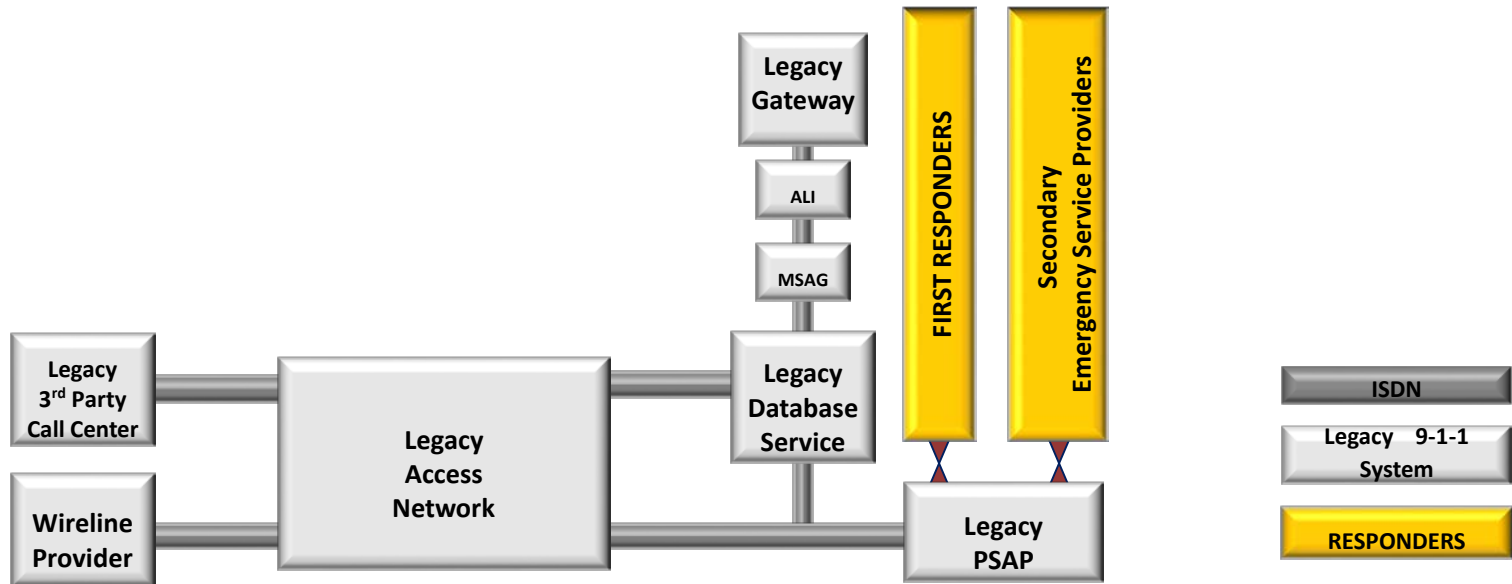


FirstNet, Radio,
Wireless Network

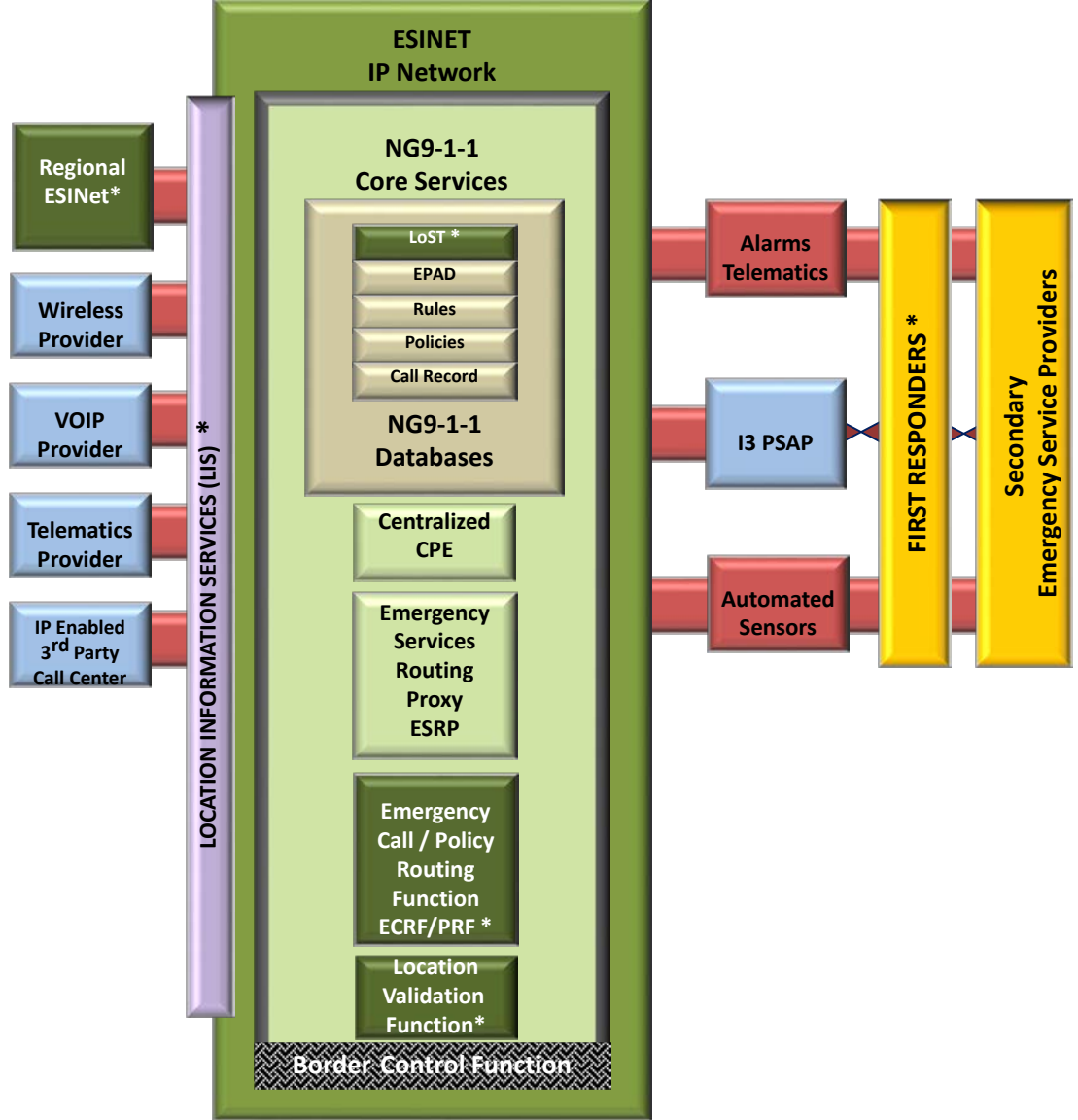


LEGACY 9-1-1

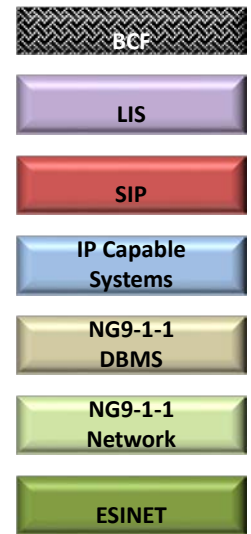
NOT a Network Design – Illustrative Example for Discussion ONLY



NEXT GENERATION 9-1-1



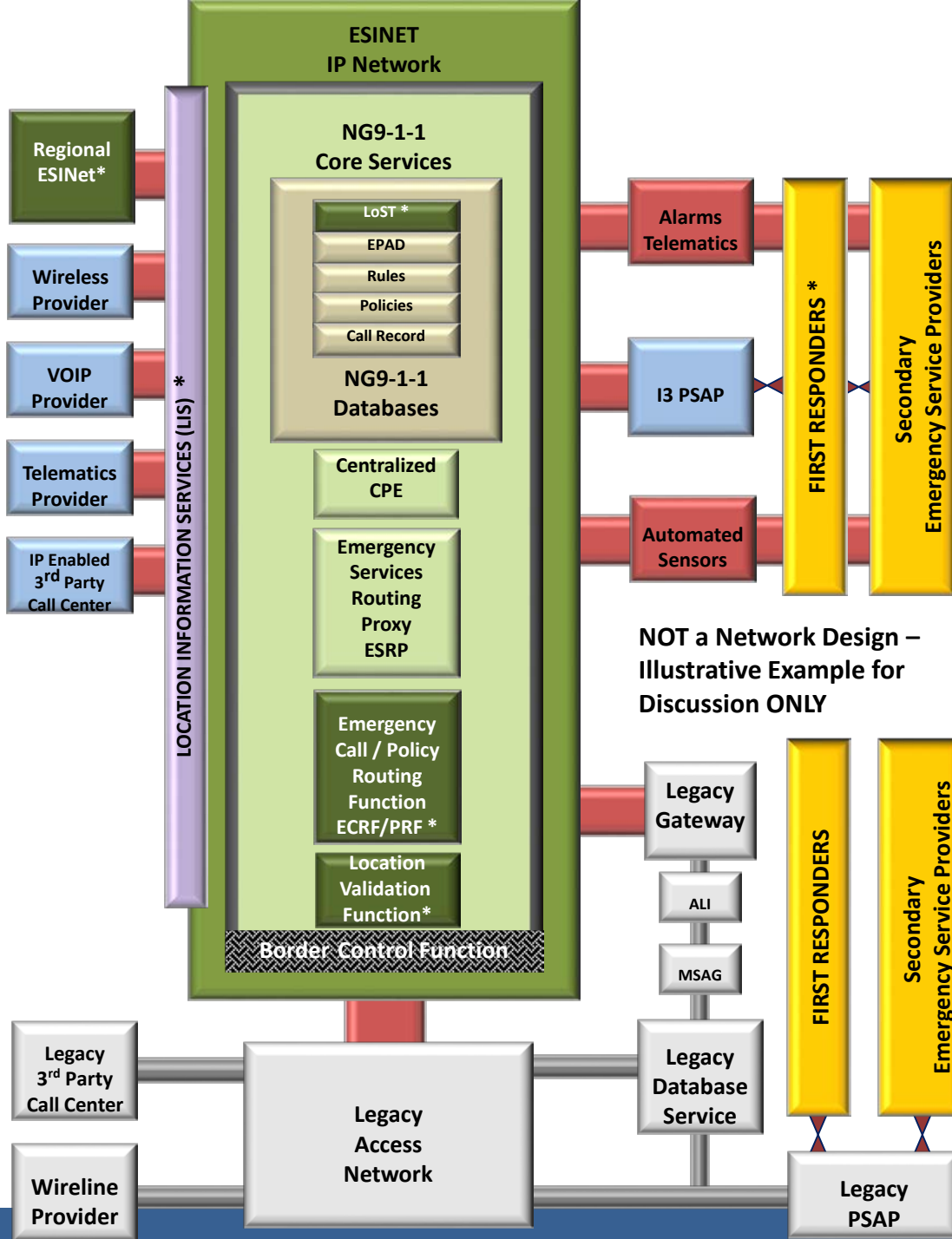
- * GIS Requirements for Location Information Server (LIS), Location to Service Translation (LoST) and Tactical Mapping:**
- Location Based Response System (LBRS) for Site address point, centerline, and basemap development
 - Emergency Services Response Area boundary development
 - Statewide multi-authority GIS data aggregation, policy management, discrepancy reporting, error resolution
 - GIS change management and quality control processes
 - GIS data distribution and system update processes
 - Preprocessing location information, Location Validation Function
 - Emergency Call Routing Function using aggregated Emergency Service Boundary areas



NOT a Network Design – Illustrative Example for Discussion ONLY

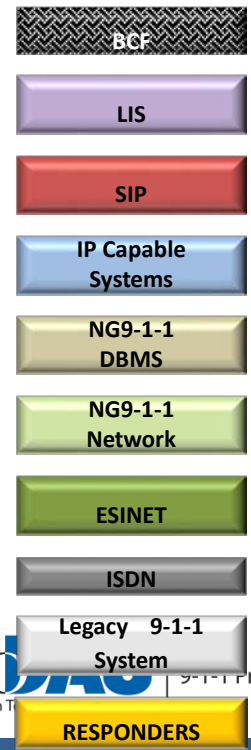


TRANSITIONAL NG 9-1-1



NOT a Network Design –
Illustrative Example for
Discussion ONLY

- * GIS Requirements for Location Information Server (LIS), Location to Service Translation (LoST) and Tactical Mapping:**
- Location Based Response System (LBRS) for Site address point, centerline, and basemap development
 - Emergency Services Response Area boundary development
 - Statewide multi-authority GIS data aggregation, policy management, discrepancy reporting, error resolution
 - GIS change management and quality control processes
 - GIS data distribution and system update processes
 - Preprocessing location information, Location Validation Function
 - Emergency Call Routing Function using aggregated Emergency Service Boundary areas



ESINet Steering Committee

Committee Members

Chair – Stuart Davis, DAS-OIT

Senator Cliff Hite

Senator Lou Gentile

Representative Bill Patmon

Representative Tony Burkley

Clermont County Commissioner Ed Humphrey – CCAO

John Leutz – CCAO

Public Safety Director Tom Robbins, Marion – OML

Public Safety Director Matt Hiscock, Wadsworth – OML

Township Trustee Jason Loree, Boardman Twp. – OTA

Sub-Committees

PSAP Operations Sub-Committee

Technical Standards Sub- Committee

PSAP Operations Sub-Committee

Co-Chairs: Sen. Cliff Hite and Jay Somerville

**Ohio EMA – Dave Ford
OSHP – S/Lt. Tony Bradshaw**

PSAP Managers nominated by CCAO

**Kevin Carver – Licking County
Mike Bunner – Warren County**

PSAP Managers nominated by OML

**Tom Robbins - Marion
Matt Hiscock – Wadsworth**

**BSSA – Chief Deputy Tom Morgan, Union County
OACP – Jeffrey Mitchel, Lebanon Police
O AFC – Chief Scott Hildenbrand, Geauga County Fire Chiefs
Ohio APCO – Jay Somerville
Ohio NENA – Patrick Goldschmidt**

Technical Standards Sub-Committee

Chairs: Jeff Smith, DAS – OGRIP

Homer (Skip) Dalton, Frontier Comm.

Paul Schopis – OARnet

Rebecca Vanest – MARCS

Nancy Serafino – OTA

Ohio APCO – Matt Franke

Ohio NENA – Chris Santer

Meetings

- **Meetings held monthly**
 - **ORC allows this committee to meet by teleconference**
 - **In-person meetings in January, April, July, October**
 - **Created under ORC Chapter 128**
 - **ESINet and NG 9-1-1**

ORC 128.32

- Access to a database given by a wireline service provider to state and local government or public/municipal utility
- Charge, terms & conditions subject to jurisdiction of the Steering Committee
- Scheduling an April meeting with Technical Standards and PSAP Operations sub-committees – Public Meeting
- Inviting Ohio Telecom Assoc. to represent industry in this discussion.



Ohio 9-1-1 Program Office

9-1-1 Administrator

Administrative Professional 4

Part-time Research and Logistics employee

Office Functions

- **Coordinate and conduct ESINet Steering Committee Activities**
- **Carry out ORC Chapter 128**
 - **Administer rules**
 - **Monitor disbursements and usage**
 - **Liaison with federal, state and local agencies concerning 9-1-1**
 - **Develop training program**
 - **Develop auditing program**
 - **Communicate information to the county and local agencies**
 - **Ambassador for 9-1-1**
 - **Develop and implement Ohio statewide ESINet and NG 9-1-1 system**

Public Safety Answering Point Operations Rules

- **Required by ORC Chapter 128**
- **Initial effort by PSAP Operations Sub-Committee Task Force made up of a variety of PSAP managers, public safety personnel, vendors, trade groups, etc.**
- **Initial rules edited to meet ORC allowances and provide for a general set of rules with flexibility**
- **Final rules proposal approved by ESINet Steering Committee at the August 6th meeting**
- **Recently rescinded due to criteria listing needs in EMD, Training, etc.**
- **Proposed rules currently being submitted to JCARR.**
- **Two year clock to comply does not start until approved by JCARR.**

128.571 – County PSAP Allowances

- 1/1/16 – 4 PSAPs per county (wireless), with a 5th if main municipal corporation has population of 175,000+
- If county has too many, disbursements lowered by 50%
- 1/1/18 - 3 PSAPs per county (wireless), with a 4th if main municipal corporation has population of 175,000+
- If county has too many, disbursements lowered by 50%
- ONLY PSAPs that initially answer wireless 9-1-1 calls are affected
- Attorney General's Opinion – As many PSAPs as a county wants – law limits which ones can get state funding.

Other Issues Update

ESINet Proof of Concept

Auditing & Training

Outreach (OU Interns)

Update

- NG 9-1-1 Consultant Quotes
 - RFP
 - Funding / Economic Impact Study

Website

Ohio 9-1-1 Program Office:
911.ohio.gov

QUESTIONS

