

ANGEN UPDATE

Alabama Next Generation Emergency Network

AAND Meeting – December 10, 2009

John Ellison, Executive Director, Shelby County 9-1-1

9-1-1 Grant Overview

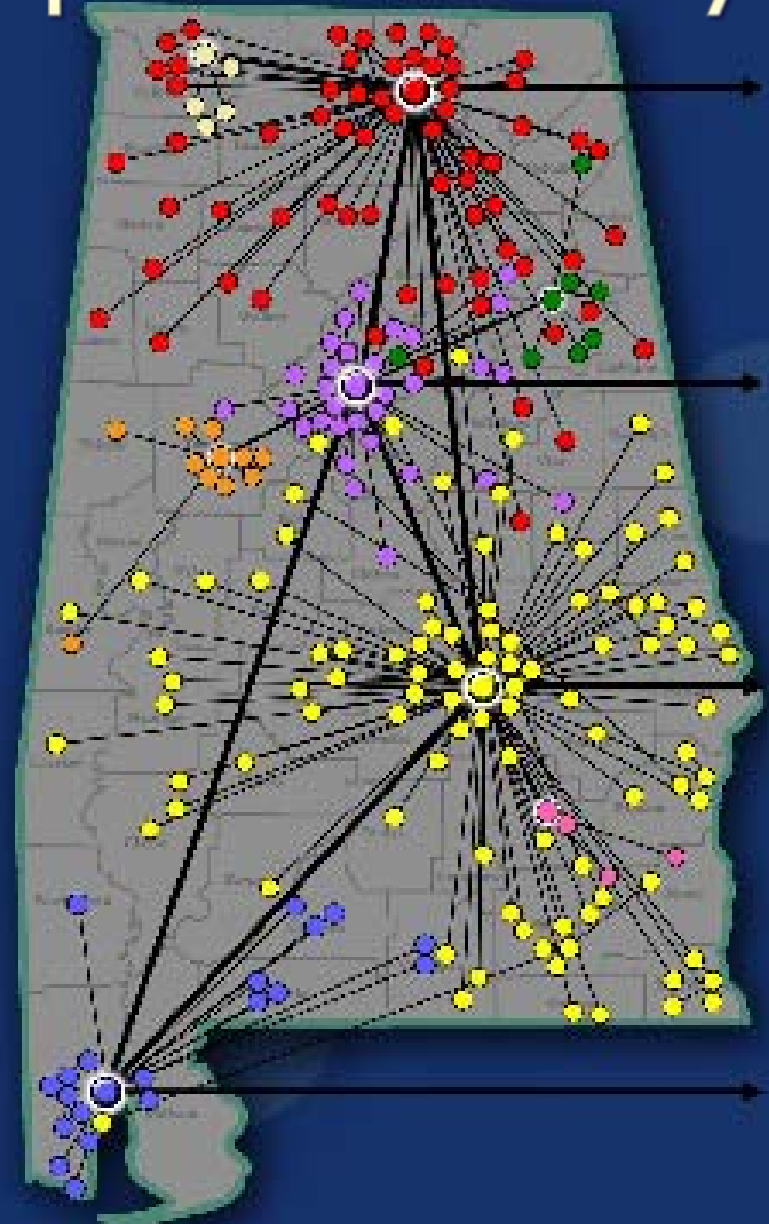
- ◆ \$1,900,000 Project
 - ◆ \$950,000 Local Money (more about this later)
 - ◆ \$950,000 Grant Money
- ◆ Grant is to Alabama Department of HLS

Project Scope

- ◆ Implement an IP based private 9-1-1 network
 - ◆ IP Connection(s) to ECDs – “Last Mile”
 - ◆ IP Backbone to connect ECDs & Services
 - ◆ Provider to handle ALI and Selective Routing
 - ◆ Bid process used to select a provider
 - ◆ POC with Intrado and TCS
- ◆ Not “Internet” Internet Protocol = IP

Alabama Supercomputer Authority

- Highly Redundant & Diverse
- Familiar with All Counties
- Familiar with All Carriers
- Network Operation Centers (NOC)
 - Huntsville and Montgomery
- Best Candidate for our Network
 - Understand IP networking
 - 24x7 Help Desk
 - Partnership with Education

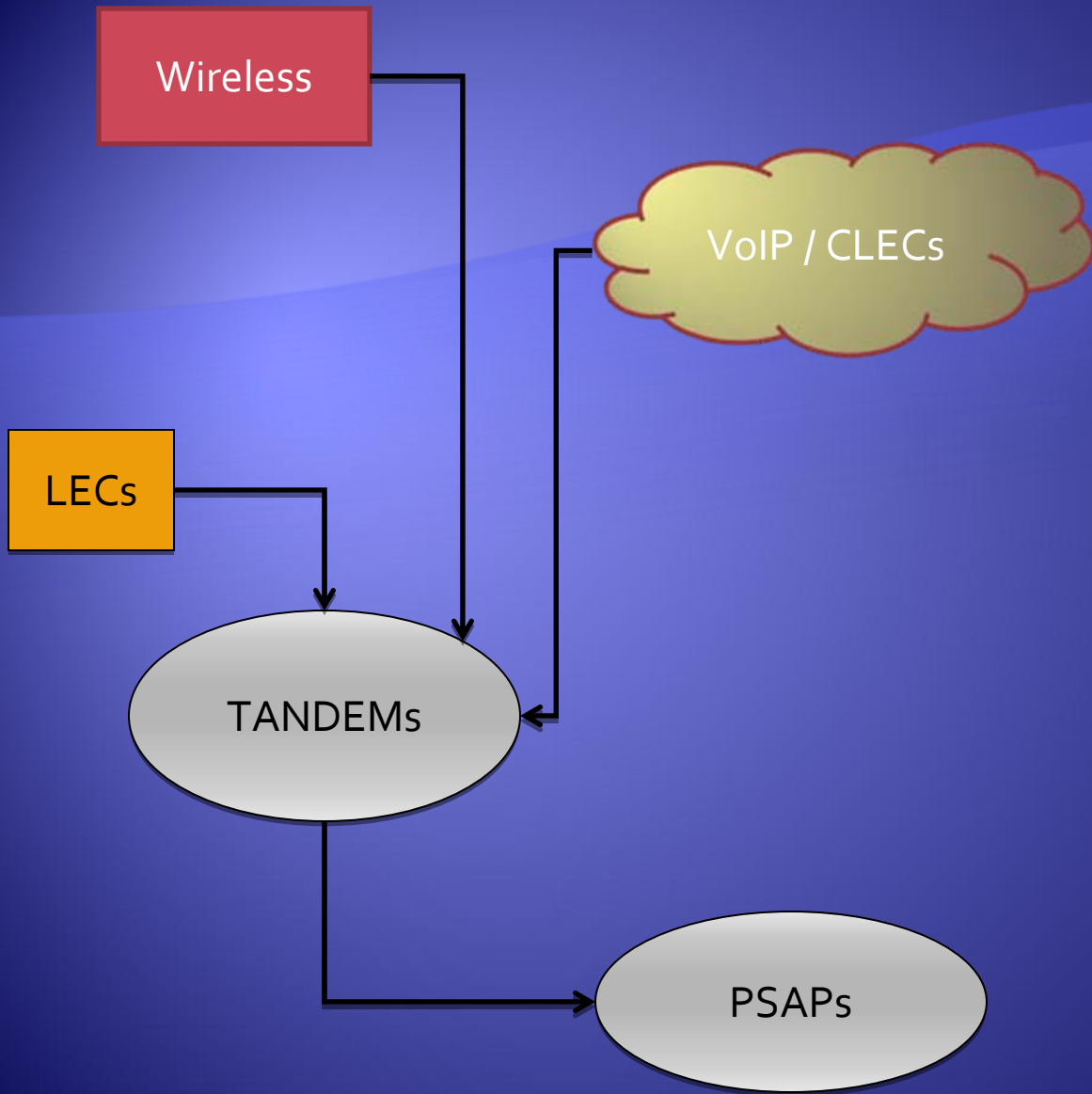


ASA – Other Benefits

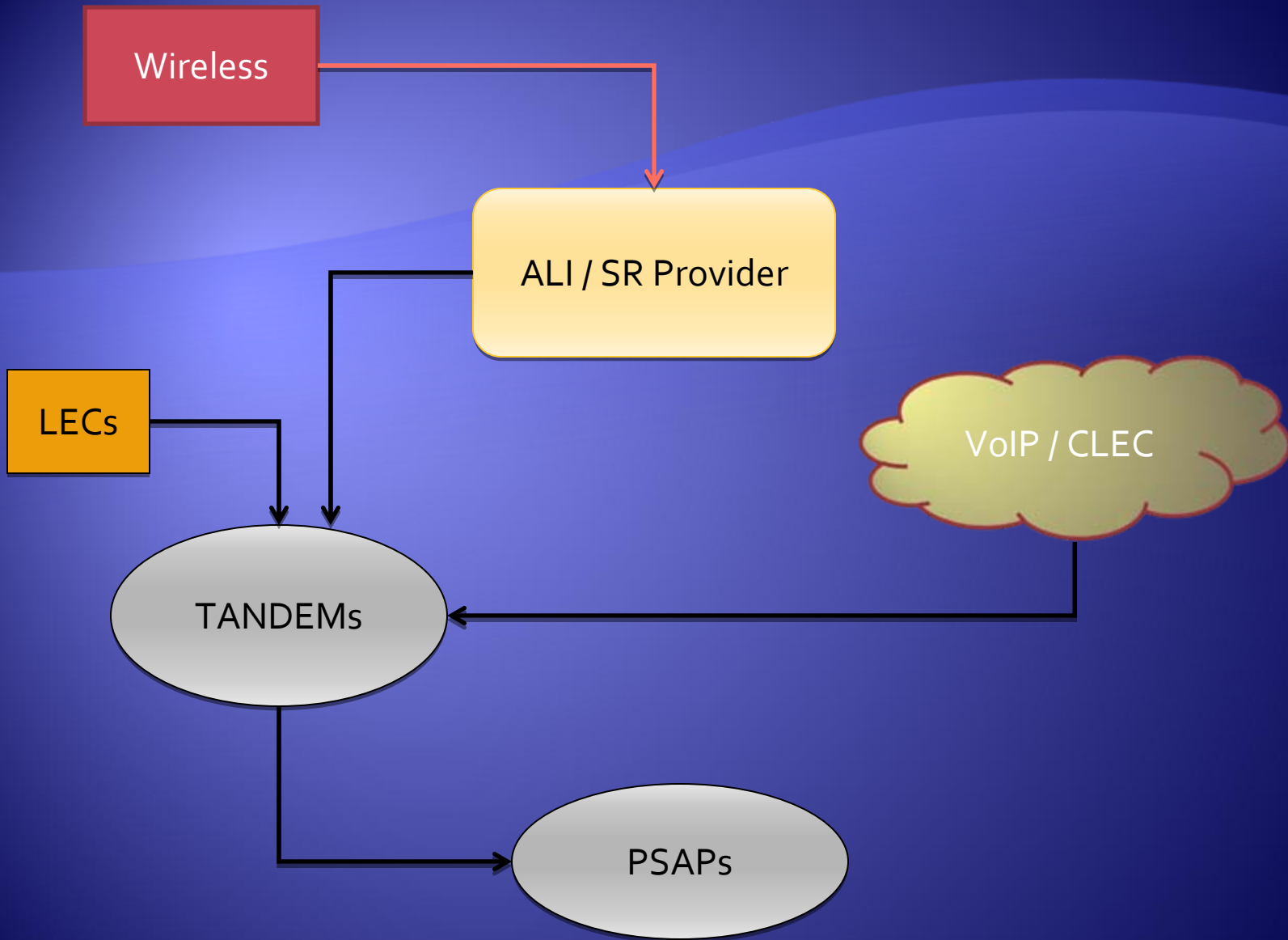
- ◆ Internet Access = Bandwidth of Connection
 - ◆ T1 minimum (1.5mbs) ~\$500 month
 - ◆ 10mbs where available ~\$800 month
 - ◆ Content filtering included
- ◆ 24x7 Help Desk for Network Issues
- ◆ Distance Learning – Video Conferences
 - ◆ Equipment Purchase Required...
- ◆ VoIP Intercom – anything needing broadband

Next Steps

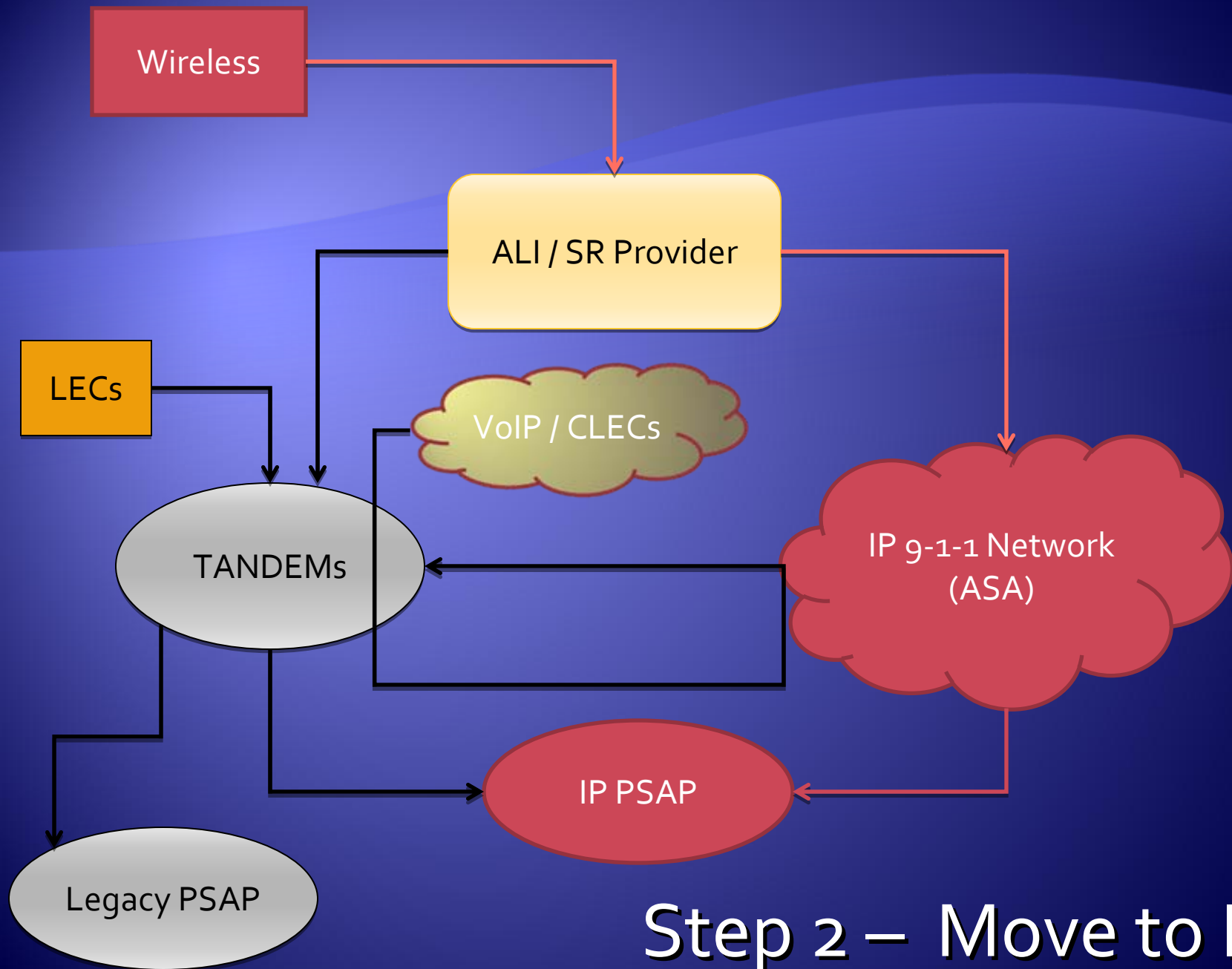
- ◆ POC - Shelby, Elmore, Huntsville
 - ◆ Demonstration at the April NENA Meeting
 - ◆ Bring Shelby's "Jump Kit"
 - ◆ Other Vendors?
- ◆ Develop RFP for ALI / SR Provider
- ◆ Begin with Converting 1 Tandem



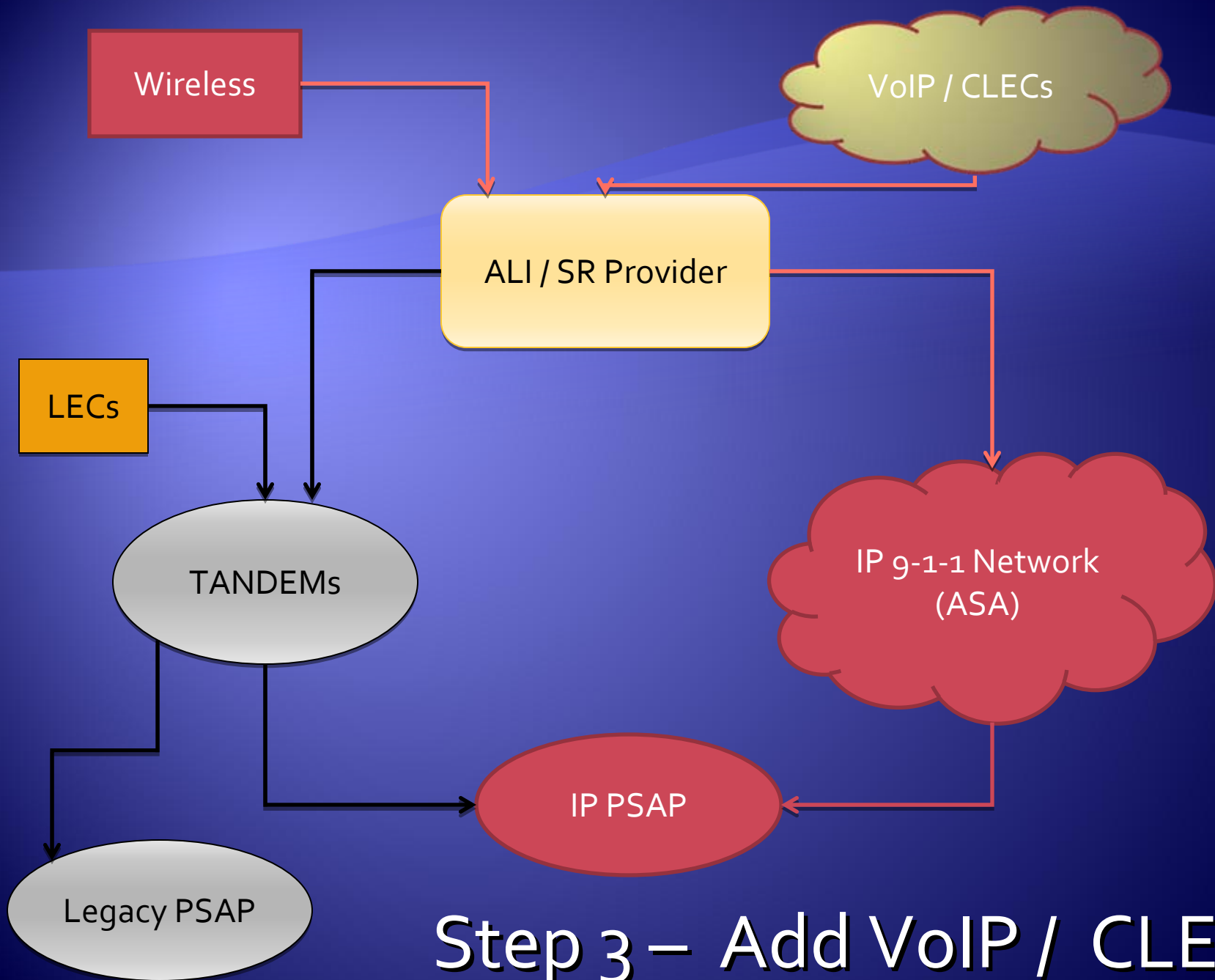
Current Network



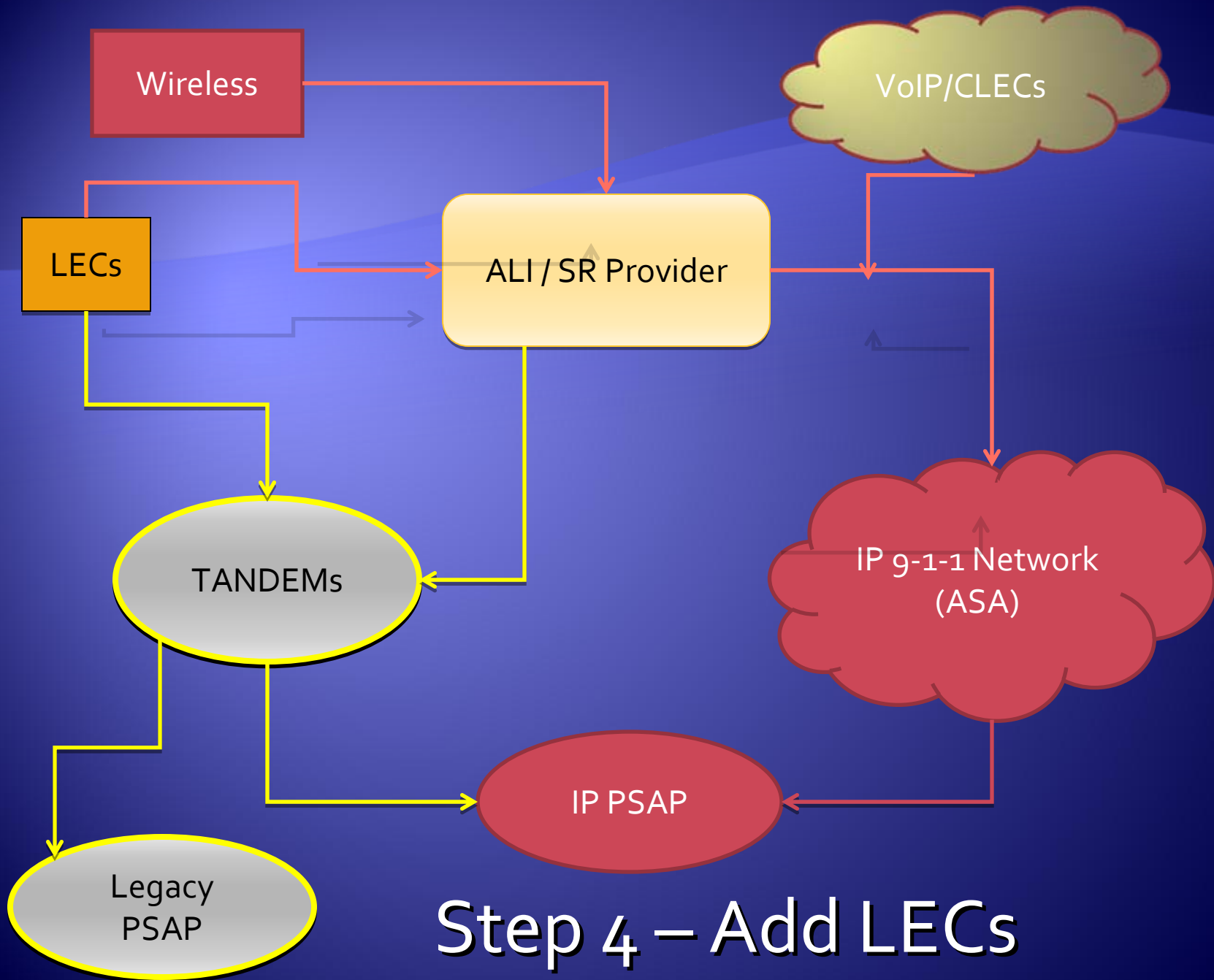
Step 1 – Consolidate Wireless



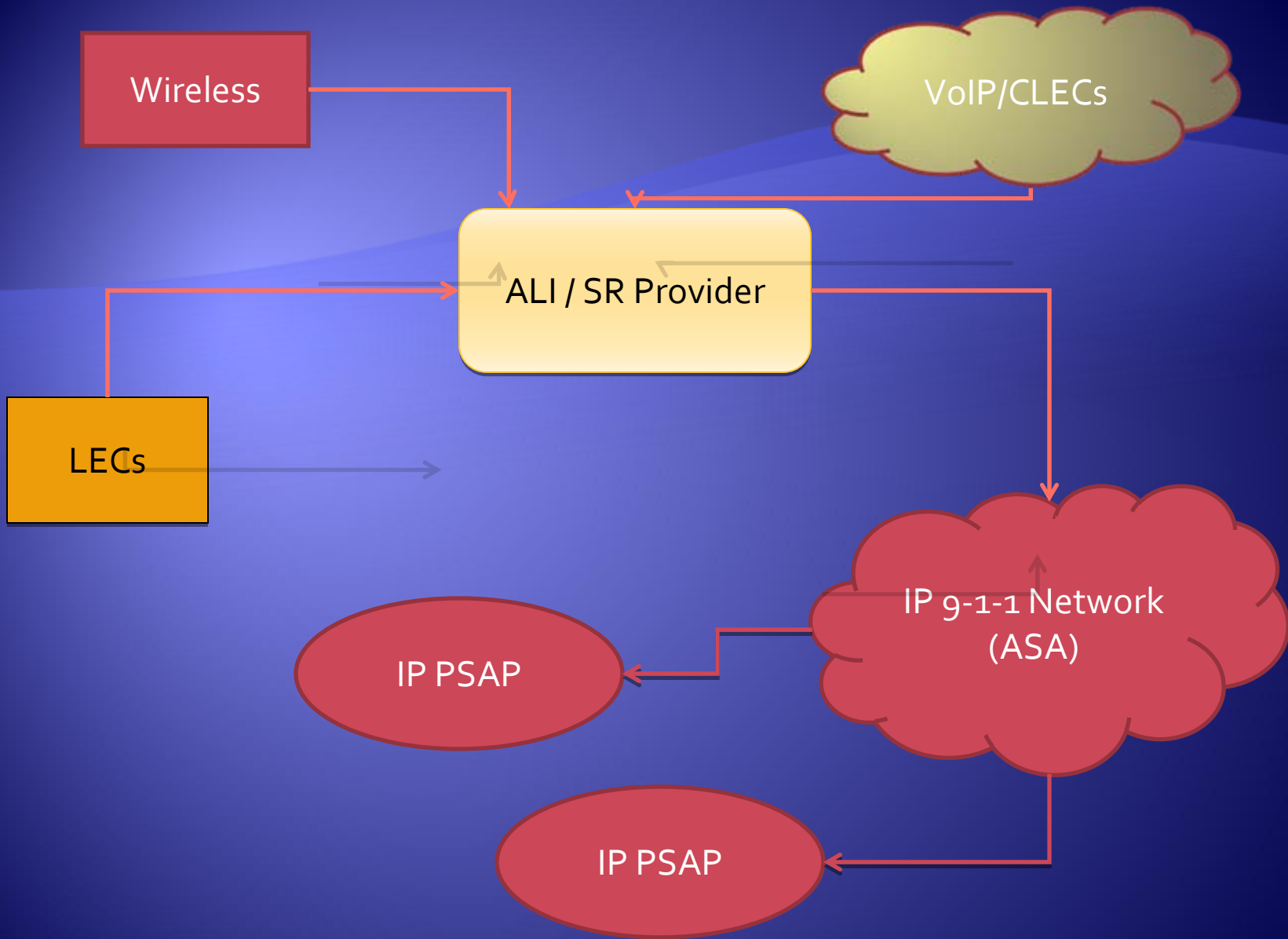
Step 2 – Move to IP



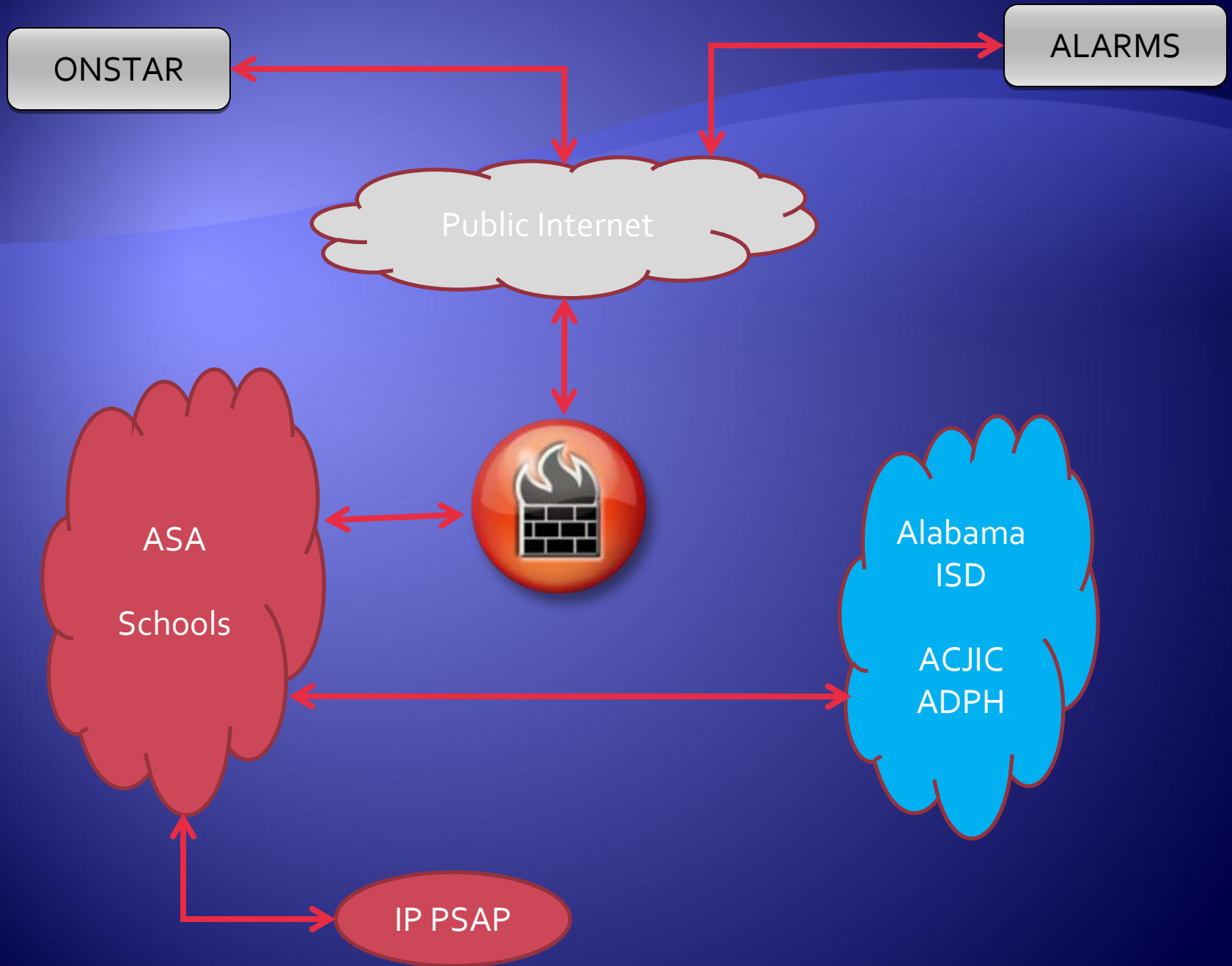
Step 3 – Add VoIP / CLECs



Step 4 - Add LECs



Ultimate Goal – ALL IP



IP9-1-1 Benefits

- ◆ Improved Service
 - ◆ Call Setup time drops to Milliseconds from Seconds
 - ◆ Transfers also much quicker
 - ◆ Transfers can go to any PSAP – no LATA issues
 - ◆ Enhanced ALI
 - ◆ Confidence and Accuracy on Wireless
 - ◆ Easier Maintenance of Wired
 - ◆ PBX ALI Included in vendor RFP?
- ◆ Cost Effective = Lower Ongoing Expenses

Funding Formula

- ◆ We must match \$950,000
 - ◆ \$480,000 from Alabama Wireless Board
 - ◆ \$470,000 additional from ECDs
- ◆ Percentage of Participating ECDs = \$ Share
 - ◆ See handout for pricing discussions

Considerations...

- ◆ If all PSAPs on a Tandem are IP...
 - ◆ No need to maintain CAMA connection to TANDEM
- ◆ If just one PSAP on a Tandem stays CAMA...
 - ◆ How many \$ do we spend to transfer calls?

BTOP Grant Includes

- ◆ \$800,000 for two full time staff
 - ◆ Retaining expert consultants
 - ◆ Staffing / Supporting committees
- ◆ \$350,000 for Outreach and Education
 - ◆ Website
 - ◆ Communications Program
 - ◆ Speakers Bureau

IP9-1-1 Project Manager

- ◆ “Someone” has to manage this project...
 - ◆ Pay bills and collect from ECDs
- ◆ Could be...
 - ◆ Alabama Wireless Board
 - ◆ ANGEN (if BTOP Grant is funded)
 - ◆ ACCA
 - ◆ Some other option...