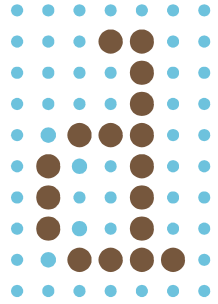


**dash**  
CARRIERSERVICES

# dash BESP Application

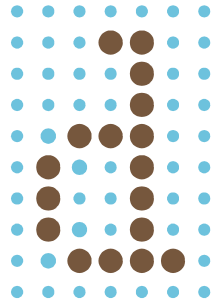
1/13/11





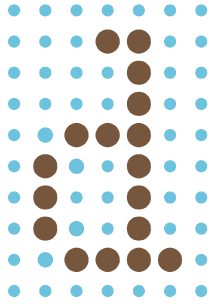
# Colorado BESP Application

- Application filed on 11/24
- Deadline for interventions: 1/3/11
- Decision to send to an ALJ at the PUC meeting on 1/12/11



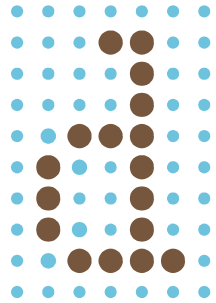
# Dash Carrier Services

- Founded in 2002 in Denver, Colorado
- Acquired VIXXI in 2009, integration completed in 2010
- Main business: 9-1-1 call routing services to nearly 300 ILECs, CLECs and VoIP Service Providers nationwide
  - Platform capable of delivering calls originating on wireless networks



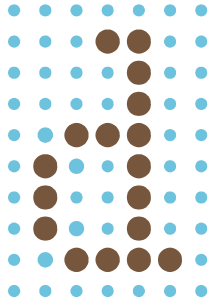
# Dash Carrier Services

- Current call volume
  - 300,000 calls per month
  - 15,000 9-1-1 calls completed monthly
- One of the three 9-1-1 call routing service providers



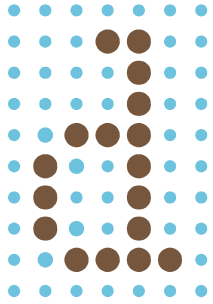
# Dash Carrier Services

- Participate in NENA NG9-1-1 Industry Collaboration Event 3
  - ECRF, LIS, ESRP
- Participating in early “NG9-1-1” services and trials
  - SafeKidZone
  - 9-1-1 via text messaging



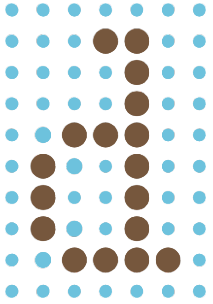
# dash Existing Business

- Traditional E9-1-1 services
  - ALI, MSAG validation, etc
- VPC Services to CLECs and VSPs
  - Call aggregation and normalization
  - Dynamic, location-based call routing
    - i2 moving to i3
  - Delivery to existing Selective routers

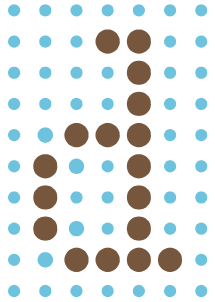


# dash Existing Business

- One offer for 9-1-1 Authorities
  - VoIP Subscriber Reconciliation Tool

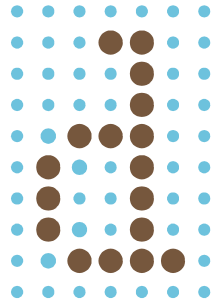


# DASH NG9-1-1 OFFER



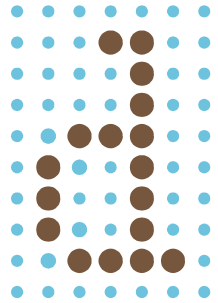
# Standards

- NENA NG9-1-1 Standards materially complete
  - Complete end-to-end architecture, functional elements
  - Transitional elements
- Some loose ends
  - Recording & logging
  - Operations interfaces
  - Business rules
- Industry Collaboration Events results area proof point



# Tariffed Services

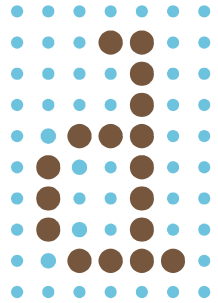
- NG9-1-1 Call Routing
- Additional bandwidth to accommodate enhanced NG9-1-1 capabilities
- PS/ALI



# NG9-1-1 Call Routing

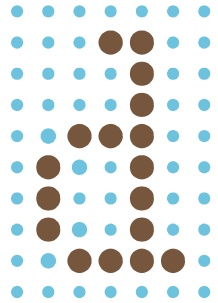
## Features

- Migration to NG9-1-1 with no increase in Tariff
- Complete, turn key Managed Service
- Tight integration and collaboration with the 9-1-1 Authorities



# NG9-1-1 Call Routing Features

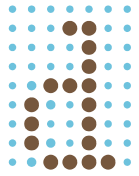
- Full redundancy
  - Network (where possible), Hosting Centers, Hosting Center Components
- Interconnect with State system and neighboring NG9-1-1 Systems
  - Strict adherence to standards



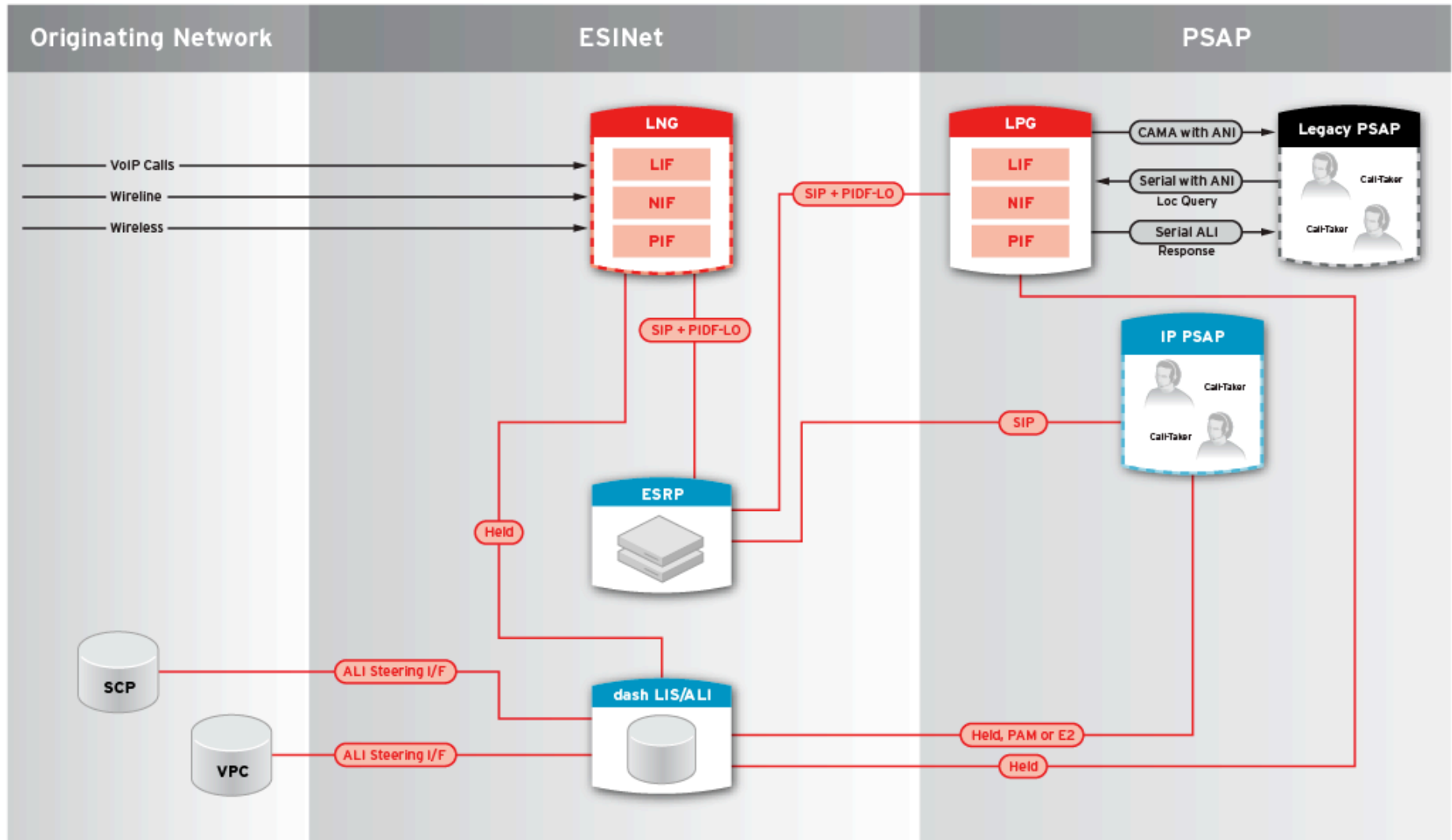
# NG9-1-1 Call Routing Services

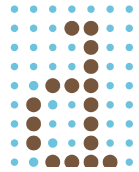
## Four Phase Migration to NG9-1-1

1. Functional equivalent to current BESP services - Plus
2. Enhanced options for PSAPs
3. Enhanced options for Carriers
4. Full NG9-1-1

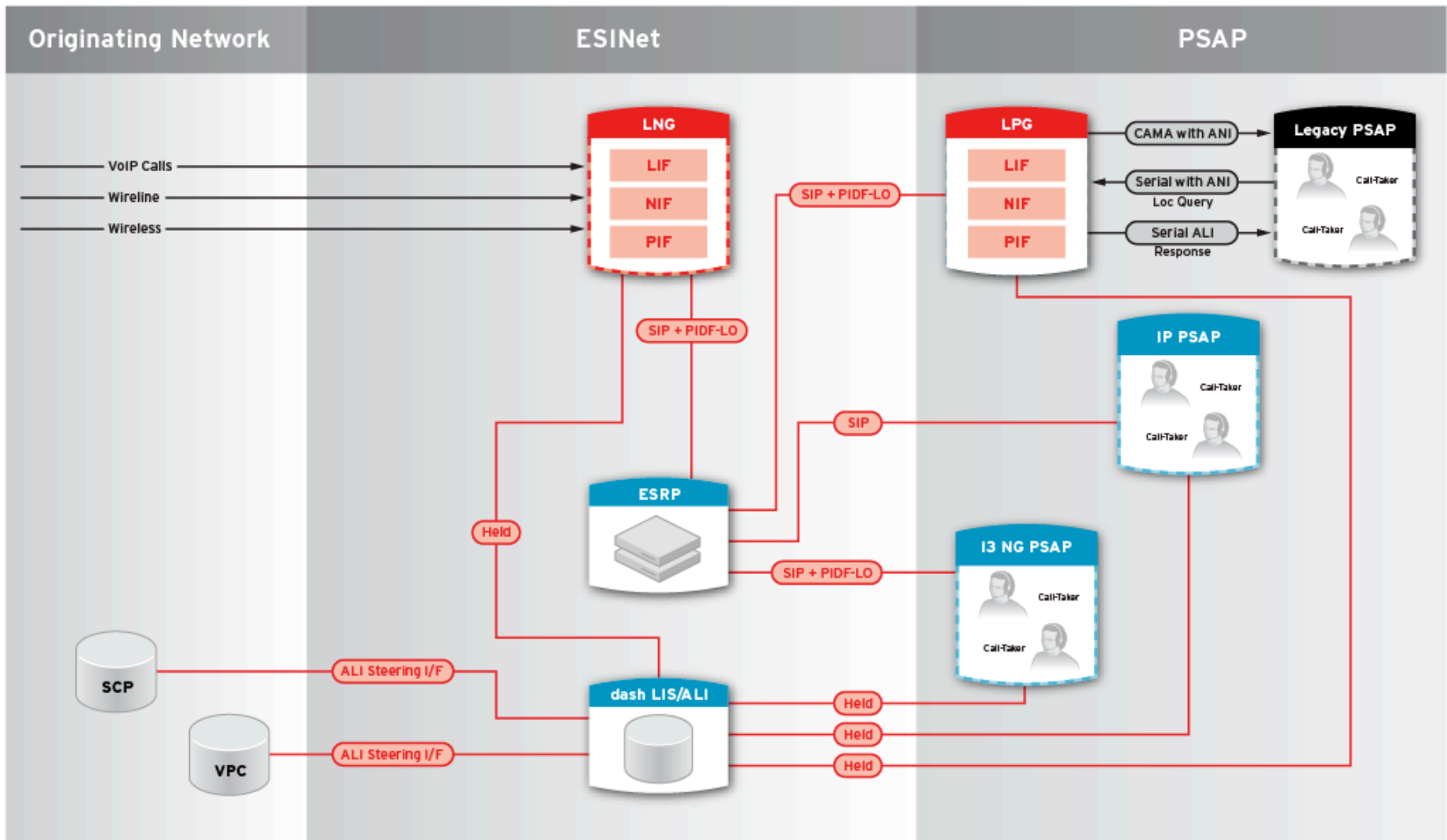


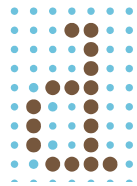
# Phase 1 – Current SSP Service - Plus



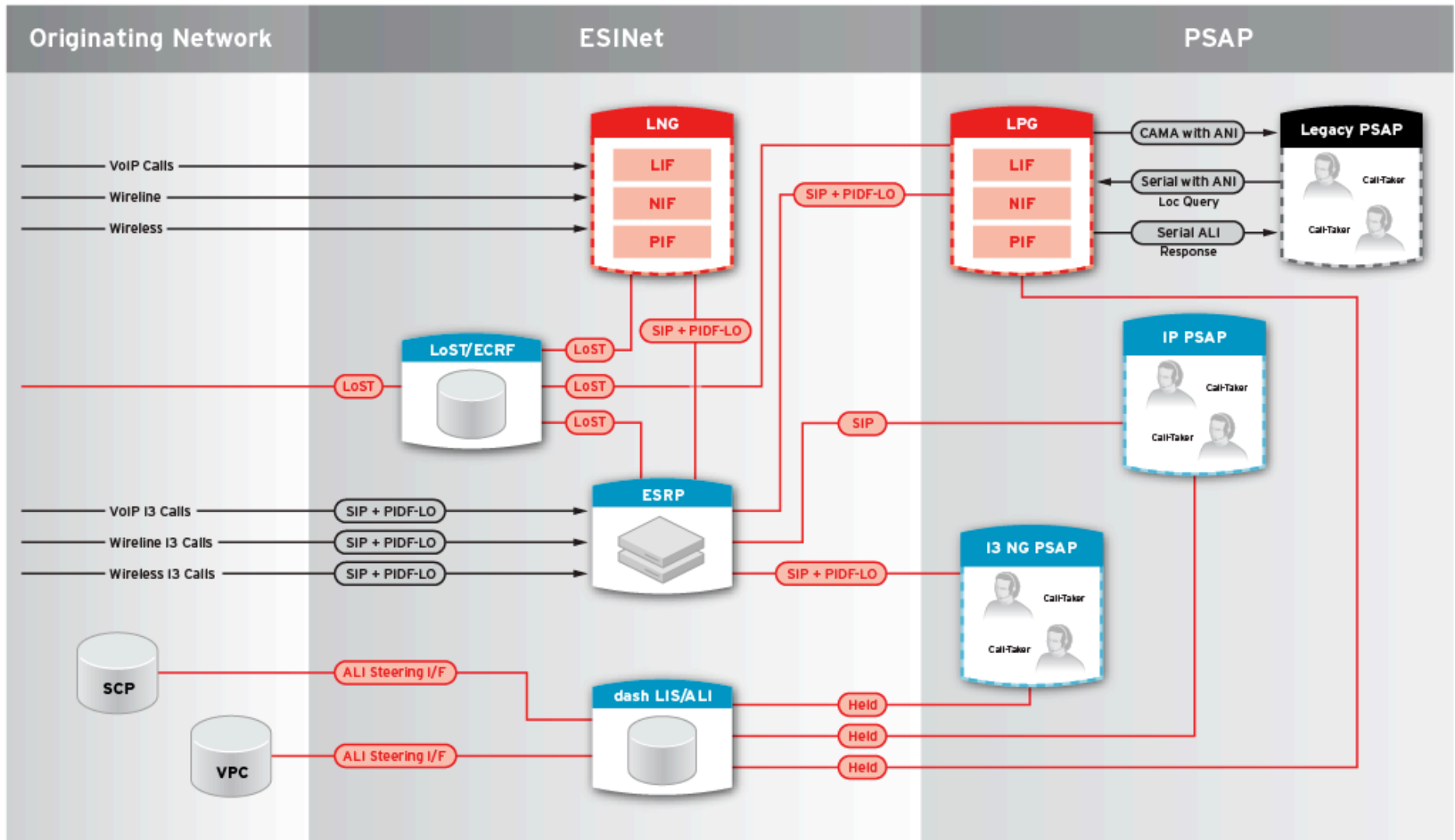


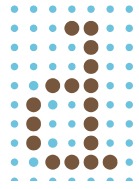
# Phase 2 – Additional Options for PSAPs



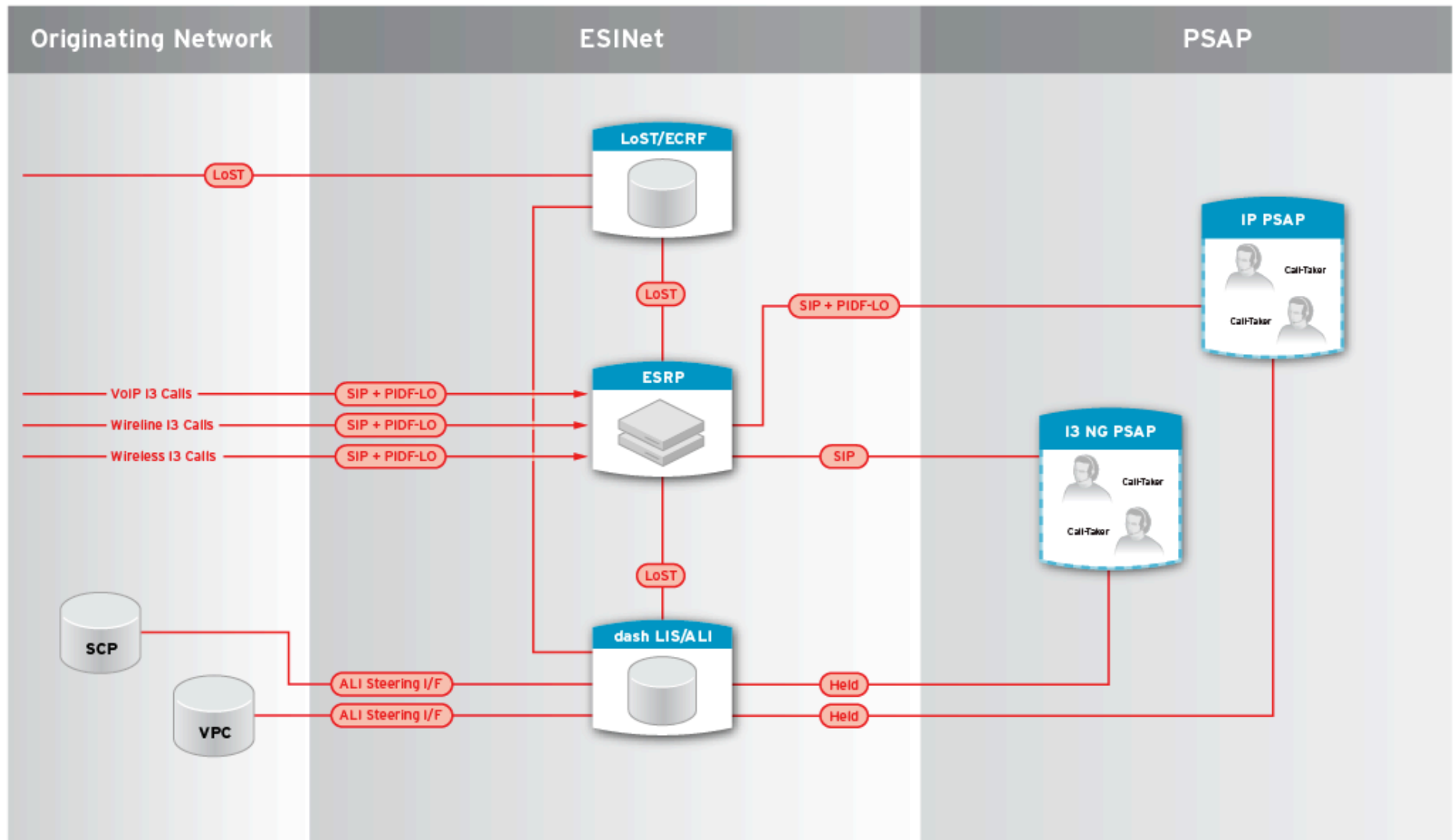


# Phase 3 – Additional Options for Carriers

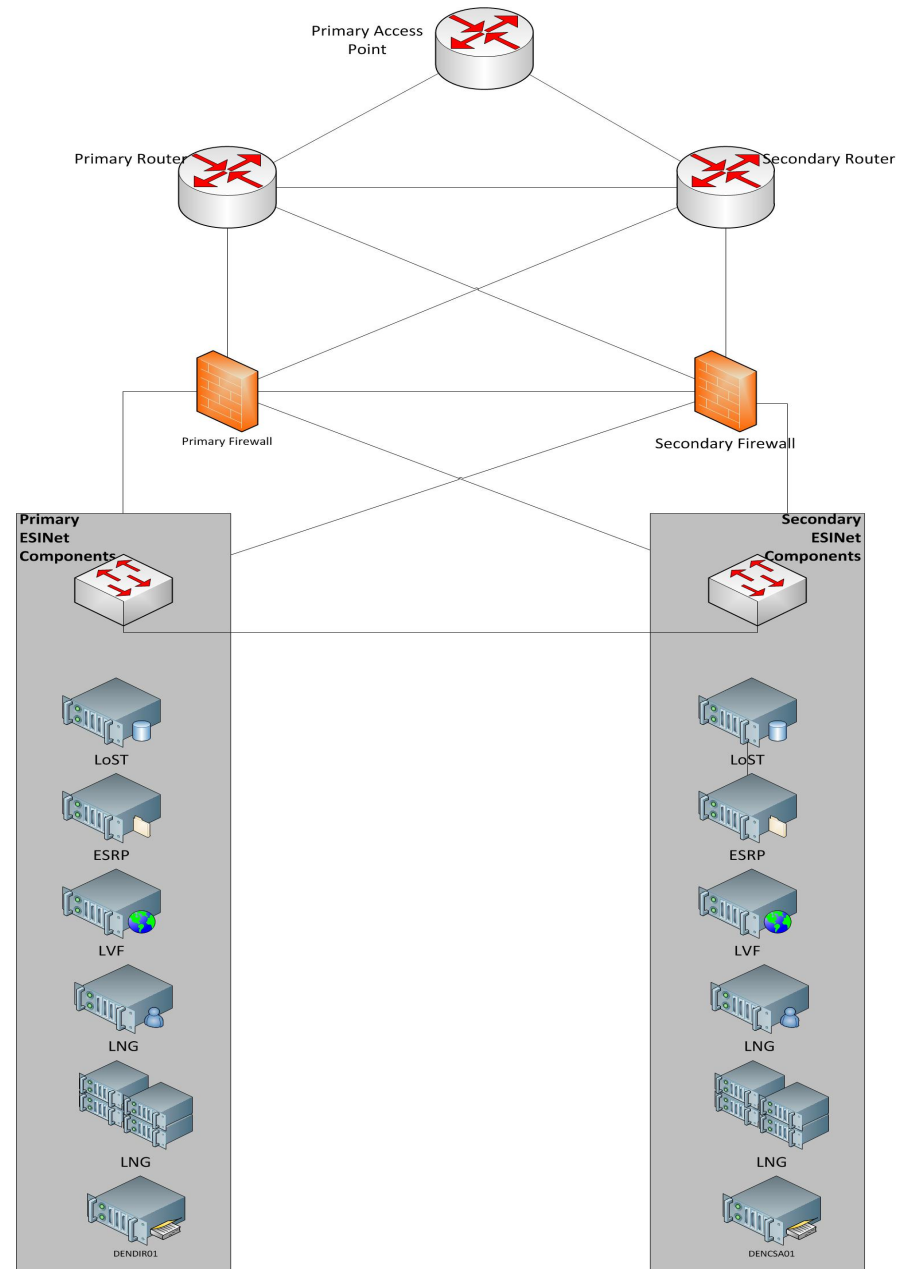


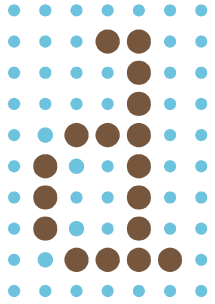


# Phase 4 – Full NG9-1-1 System



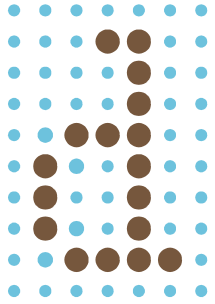
# dash NG9-1-1 Service Hosting Facility





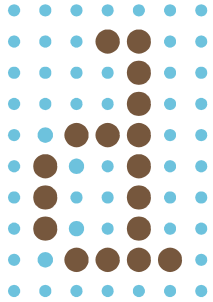
# System resiliency and availability

- Dual service hosting facilities
- Component redundancy within a service hosting facility
- Redundant and diverse network links
  - Carrier to service hosting facility
  - Service hosting facility to PSAP



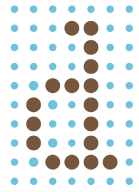
# System resiliency and availability

- Alternative routing
  - To alternative PSAP
  - To 10 digit number anywhere
  - To a centralized call center
  - To call takers anywhere on the internet
    - Requires hosted call handling

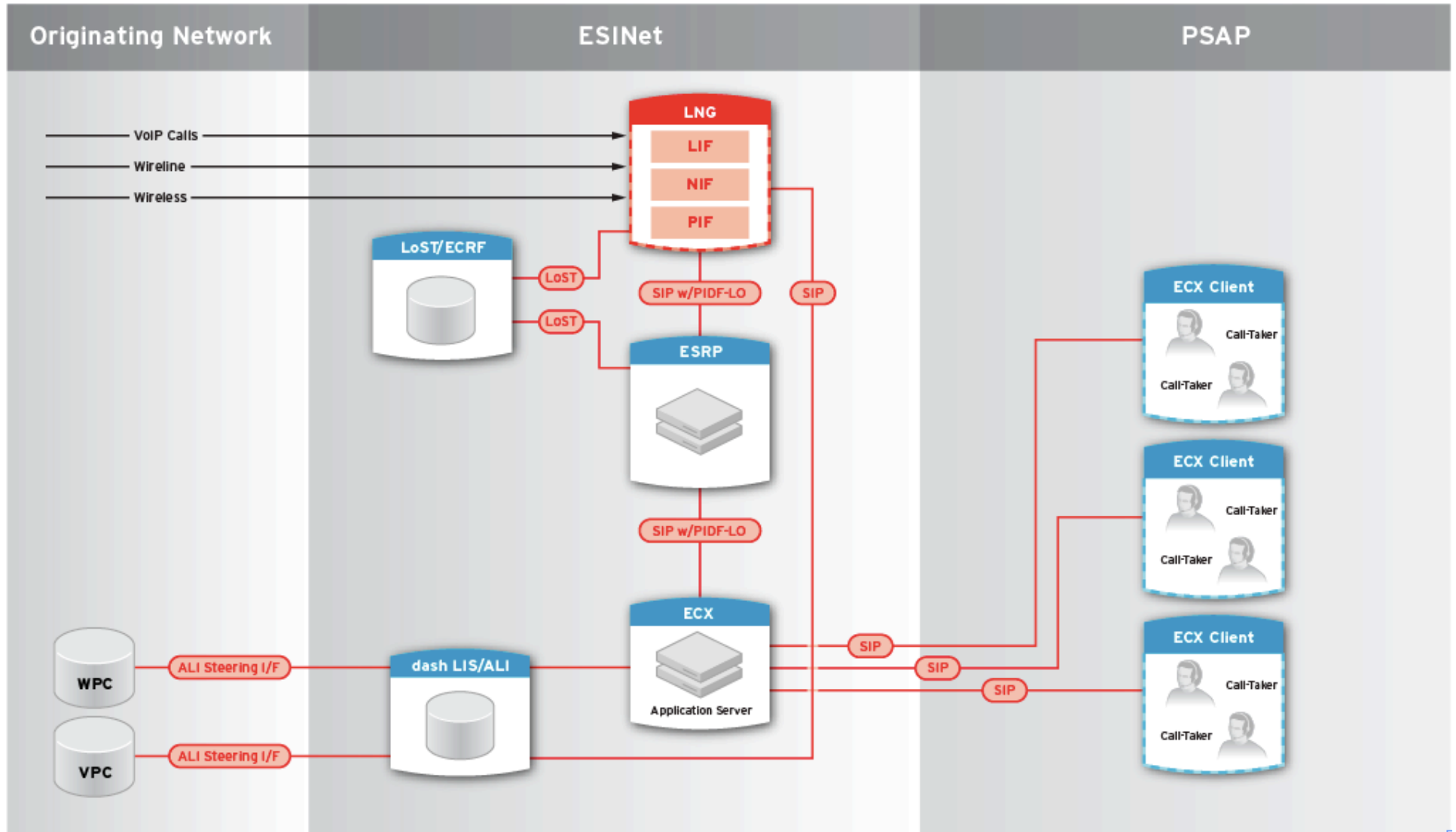


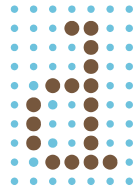
# Untariffed Offers

- VoIP Telephone Service
  - Emergency & non-Emergency
- Internet Access
  - NCIC, FBI, Etc
  - General web access
- Hosted Call Handling
  - Dash procured & managed
  - County procured, dash managed

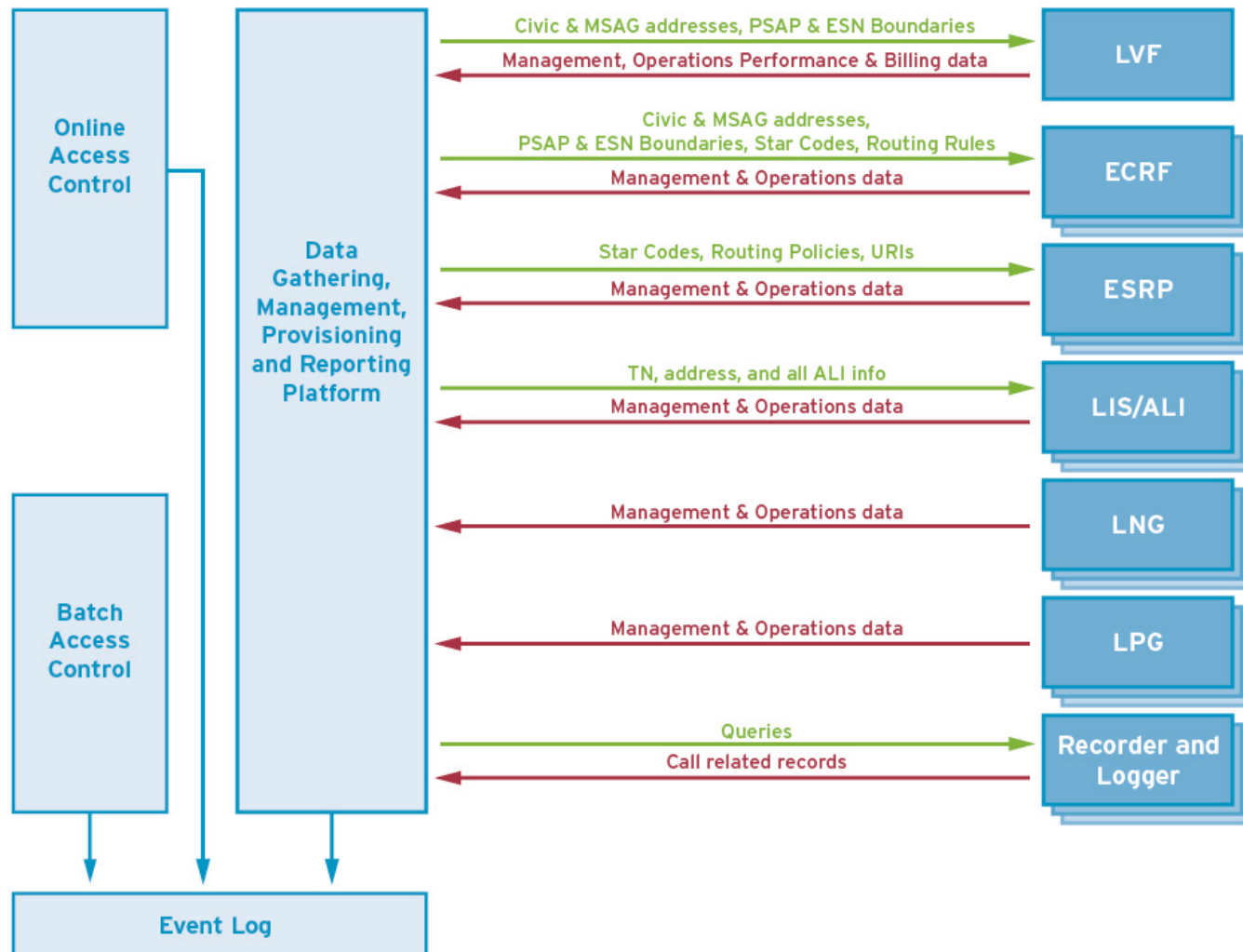


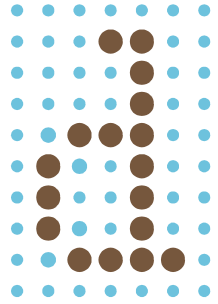
# Hosted Call Handling Example





# Data collection, management, provisioning, and reporting : The dashboard





# Questions