



MEVO

INTERNAL TRAINING

MEVO (The NG9-1-1 Backup Solution)

Agenda

- Introductions
- Purpose
- MEVO
- Q & A





MEVO

| Message EVOLUTION

MEVO - Defined

- MEVO is a **lightweight / low cost / portable / disaster recovery** system
- MEVO is an NG9-1-1 system designed specifically to **backup ANY** primary NG9-1-1 CPE (*Solacom, Airbus, West, Motorola, etc...*)
- MEVO leverages the dynamics of both **Legacy and i3** compliant networks (*NGCS, toll free, redirect services, etc...*)
- MEVO provides **conference / transfer / call history / call-back / call recording** services



A man with a beard and a headset is sitting in a control room, looking at several computer monitors. He is wearing a black polo shirt and a watch. The room is dimly lit, with the primary light source being the screens. A green water bottle is on the desk in front of him. The text 'MEVO | Purpose' is overlaid on the image.

MEVO

Purpose

MEVO - Purpose

- A **diverse NETWORK** with **diverse CPE**
- **Our mission** is to deliver **EVERY** emergency call
- **The industry acknowledges EVERY** NG9-1-1 system can be/will be **offline** for various reasons affecting call delivery.
- **Our plan** was simple, provide an IP based system to support dispatch when their primary CPE is offline or unavailable.
 - Implement alternate routes for emergency service calls via all available technologies.

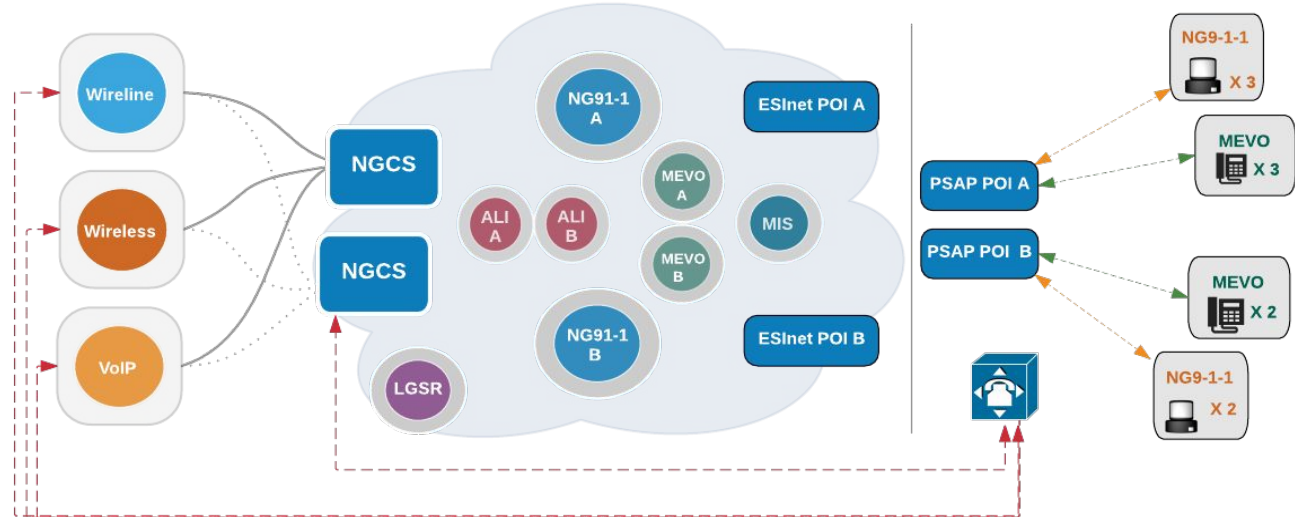
A man with a beard and a headset is sitting in a black leather office chair at a workstation. He is looking at several computer monitors. The workstation has a blue desk mat, a keyboard, a mouse, and a green water bottle. The background shows a control room with multiple monitors and a ceiling light fixture.

MEVO

Equipment

MEVO - Operation (ESInet)

- OSP's deliver via **IP / SS7 / TDM**
- PRR / PRF is provisioned for delivery of OSP calls:
 - **ESInet to NG9-1-1 / ESInet to TDM / OSP to TDM**
- **INreach** - deliver the call somewhere



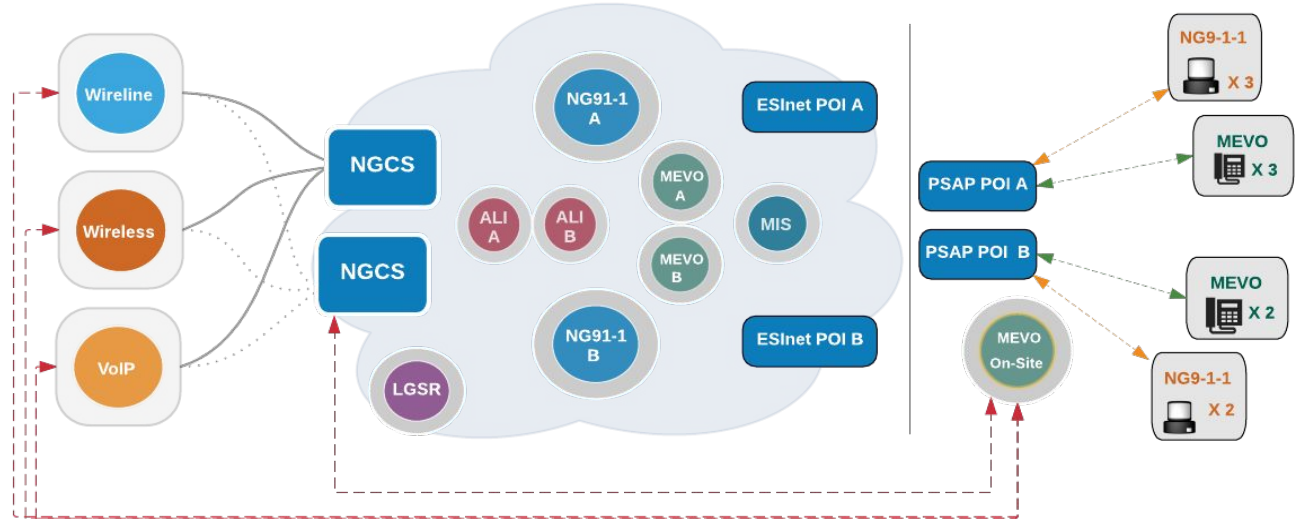
MEVO - ESInet Equipment

- **LNG or SBC** - Terminate carrier PSTN trunking for Toll Free number assignment
 - The dialed number (DN) is translated to the appropriate FIPs for routing to PSAP
 - The original calling number is used for ALI lookup
- **SIP:ME** - routes the calls
- **HOSTED MEVO** - A highly specialized physical server with lot's of power delivers the calls



MEVO - Operation (PSAP)

- Same as ESInet with the **added value** of all MEVO functions BUT with standalone capabilities
 - *ALI / Recorder / Push to CAD / Call Back / Language services*
- Pick up Admin trunks from **local Admin PBX**



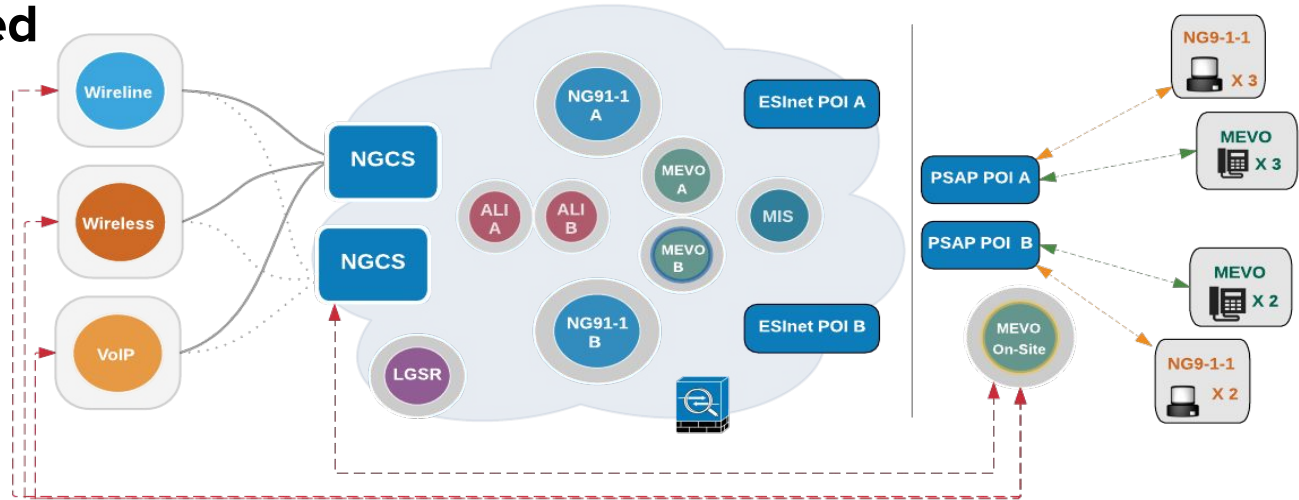
MEVO - PSAP Equipment

- **AT&T** sites connect to the IN911 ESInet via IPsec appliances (Cisco ASA's) via commodity internet connections.
- **MEVO** Phones locate the MEVO SERVER by IP address on the IN911 ESInet
 - Phones receive AC power by wall plug or Ethernet cable (PoE)



MEVO - Operation (**Mobile**)

- Everything from **ESInet**, and **PSAP + MOBILITY**
- **Case Based**
- **Vehicular mounted**



A man with a beard and a headset is sitting in a control room, looking at several computer monitors. He is wearing a black polo shirt and a watch. The room is dimly lit, with the primary light source being the screens. A green water bottle is on the desk in front of him. The text 'MEVO' is overlaid on the left side of the image.

MEVO

Operation

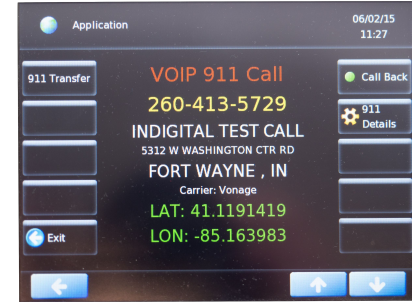
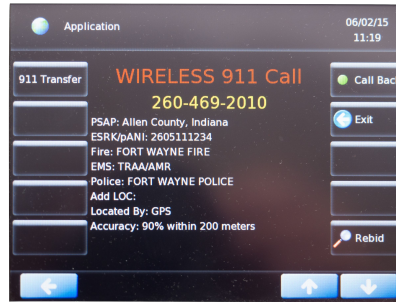
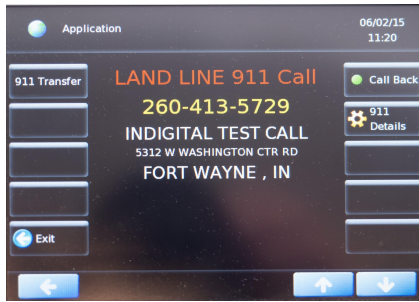
MEVO - Not just a phone - An appliance



- Touch Screen (Soft and Physical buttons)
- Highly configurable soft keys
- Double SIP Registrations to ESInet and PSAP MEVO servers

MEVO - Features (a) future

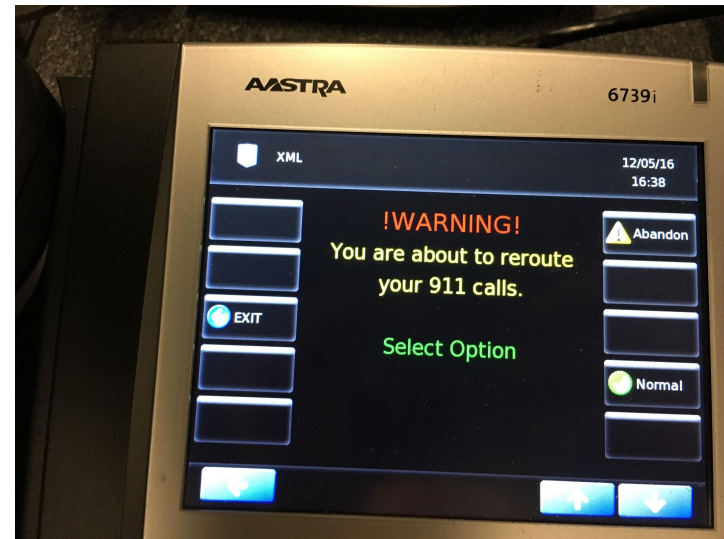
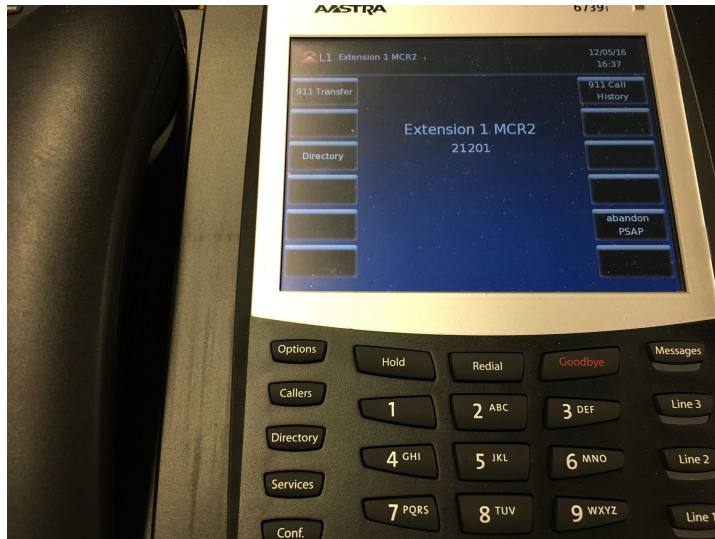
- MEVO displays **formatted ALI** information on screen **with rebid**



- MEVO offers optional **push to CAD / MAP**, and integration to your choice of **language translation** service

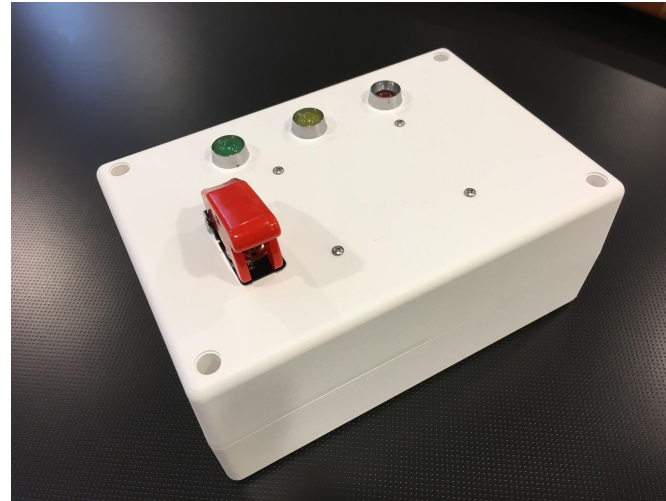
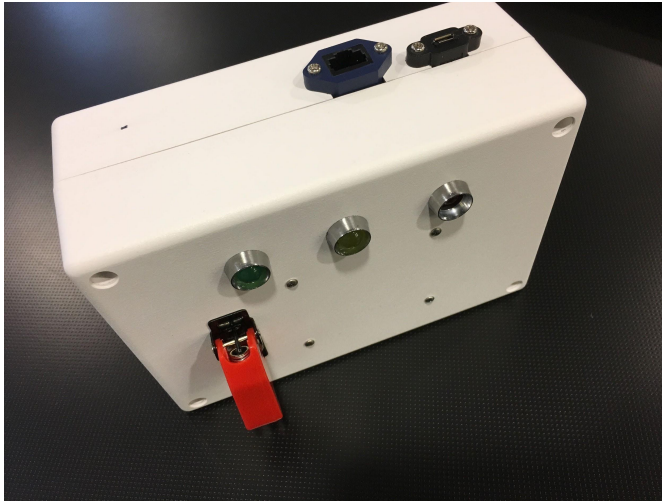
MEVO - Features (b) future

- **Re-Route 911 Service** to the backup MEVO phones FROM YOUR MEVO phone - **INcontrol**



MEVO - Features (c) future

- **Re-Route 911 Service** from the MEVO phone - **INcontrol**
 - When used in conjunction with **INdigital NGCS**
 - Complete with **warnings and authentication**
 - To **prevent accidental** re-routing
 - **Switch box** for those who MUST HAVE it..



MEVO - Features (d) NOT HAPPENING... unless you really want it!

- Today there is **no Radio/PBX Headset Integration**





MEVO

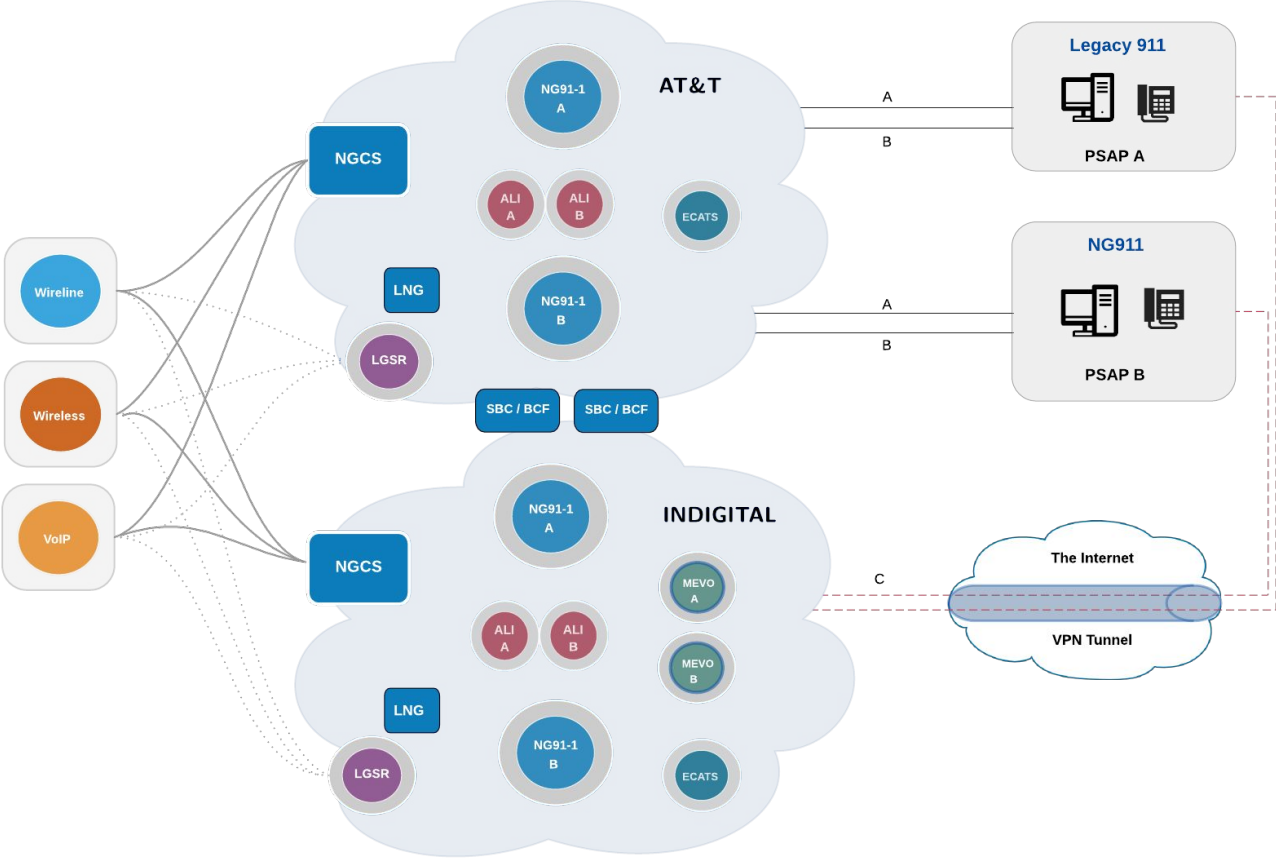
IN911 / AT&T
deployment

MEVO - PSAP Information Gathered

- **Local Resource Numbers** provided by PSAP over the last several months being programmed into files within the Hosted Server.
 - Soft keys
- **911 Transfer lists** provided by PSAP over the last several months being programmed into files within the Hosted Server.
 - Soft keys
- **AT&T MEVO Turn-up** prepared as a step-by-step guide
 - <https://goo.gl/lhYa6N>



MEVO - Deployment - IN911 / AT&T



MEVO - Deployment Scenarios

- **911 / NG9-1-1 Backup** - completely independent 911 call delivery platform
 - 911 call delivery to the PSAP via traditional and i3 enabled methods
- **Administrative PBX backup** - completely independent PSTN access for telco dial services in the event of a PSAP PBX system
 - PSTN dial services to the PSAP on a temporary basis or dedicated based on agreements and contracts

MEVO - Training

- **Video** training
- **Printed** training
- Online entry of **911 transfers**
- Online entry of **Local Resources**

9-1-1 call transfer

Once you have opened the menu, press the PSAP button you want to transfer to.



A man with a beard and a headset is sitting in a black leather office chair at a desk in a control room. He is wearing a dark grey polo shirt and a watch on his left wrist. He is looking at several computer monitors. On the desk in front of him are a keyboard, a mouse, and a green water bottle. The room has a blue carpet and a drop ceiling with recessed lighting. A semi-transparent dark blue horizontal bar is overlaid across the middle of the image, containing the text "Closing Comments".

Closing Comments

Overview

- The **MEVO** advantage? (nothing else like it)
 - In the ... **DATA CENTER**
 - In the ... **PSAP**
 - In the ... **CASE / VEHICLE**
 - **INreach**
 - **INcontrol**
- Open Standards, off the shelf, easy to use...
- Each PSAP has individual requirements (**no cookies cutters allowed**)

Q & A

Open Discussion

