

94-102 - The Wireless Saga

The CPE Side of the Story

Presented to

NENA 9-1-1 CIF

Wireless E9-1-1

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Agenda

- ❖ General Impact of 94-102
- ❖ CPE Changes and Requirements

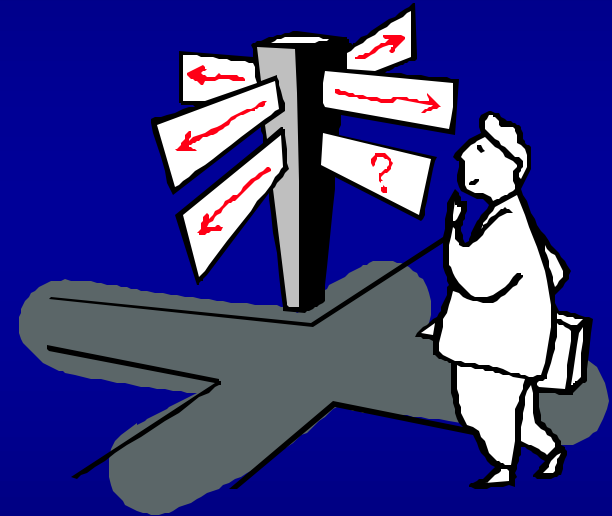
General Impact of 94-102

Today

- ❖ Widespread industry confusion

Tomorrow

- ❖ Even more confusion!



General Impact of 94-102

Reasons for Confusion

- ❖ Too many experts looking at one piece of the puzzle
- ❖ No big picture expert
- ❖ Solutions appear too complex for general understanding
- ❖ Way too many acronyms!



General Impact of 94-102

Industry Support of Confusion

L D T

Wireless
Carriers

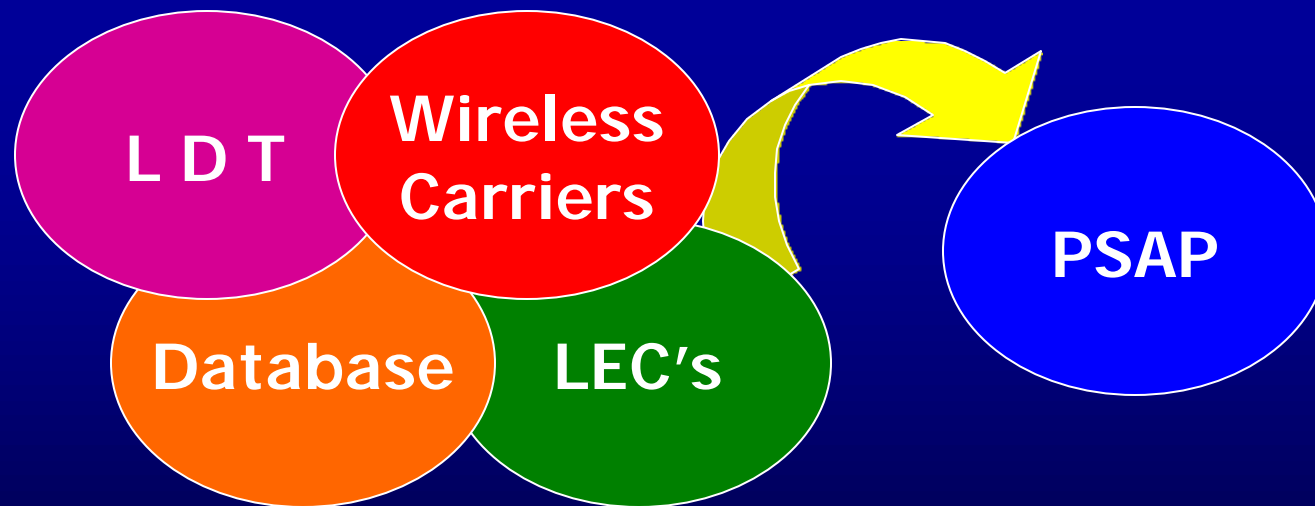
LEC's

PSAP

Database

General Impact of 94-102

Industry Support of Solutions



General Impact of 94-102

Changes for the PSAP

- ❖ Phase II will require added or new equipment
- ❖ New management skills
- ❖ Funding challenges



94-102 - Positron's Answer

CPE Requirements for
Today, Tomorrow and the Future

What will be required ...

- ❖ **ANI/ALI Controller**

- ❖ The coordinates ... x, y, and z
- ❖ 10/20 Digit ANI
- ❖ New ALI Database output/input
- ❖ New CAD output
- ❖ New Map output
- ❖ New Call Detail Record output

What will be required ...

- ❖ **ANI/ALI Controller**

- ❖ Ability to support simultaneous solutions
 - ❖ CAS, NCAS and hybrids
- ❖ Ability to support multiple LDT solutions
 - ❖ Handset or network based, or hybrids
- ❖ Ability to interface with "New" network protocols
 - ❖ AIN, IP Telephony, and ISDN

What will be required ...

- ❖ **Alternate data collection/reception methods**
 - ❖ Non-traditional databases
 - ❖ Multiple databases
 - ❖ Automatic queries dependant upon call type
 - ❖ Trunk group, ANI or ID Digit
 - ❖ PSAP dependant selective look-up

What will be required ...

❖ **Call taker features**

- ❖ Ability to manually query the LDT
- ❖ Ability to manually query different databases
- ❖ Ability to see calls before they are answered
- ❖ Ease of call back
- ❖ Intelligent ALI on IWS

What will be required ...

❖ **Map display**

- ❖ Integrated with 911 IWS, CAD or Stand alone
- ❖ Interactive with 911 system
- ❖ Ability to support different GIS data formats
- ❖ Accurate data – Garbage In ⇌ Garbage Out
- ❖ Flexibility of tools
 - ❖ Map Layers for Wireless location

What will be required ...

- ❖ **New Network, CPE, Database standards**
 - ❖ New interfaces standards for
 - ❖ 911
 - ❖ IWS
 - ❖ CAD
 - ❖ MAP
 - ❖ ALI - Tagged Data or XML

Finally ... what you must have

- ❖ **A decision**
- ❖ **Funding**
- ❖ **Support of a true 911 solution provider**

Questions and answers

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