

CARSON CITY
9-1-1 SURCHARGE ADVISORY COMMITTEE
MEETING MINUTES
December 4, 2008

1. Call to Order

Co-Chair Daniel Berger called the meeting to order at 1:00 p.m. as Chair Anne Keast had not yet arrived.

2. Roll Call and Determination of a Quorum

Members present were Daniel Berger, Anne Keast, Karin Mracek, Tina Petersen, and Bernard Sease (which constituted a quorum).

Also present was Stacey Giomi, Carson City Fire Chief, and later, Pat Irwin of AT&T joined the meeting during the tour of the 9-1-1 Communications Center.

3. Public Comments on Non-Agendized Items

There were no public comments.

4. Tour of the 9-1-1 Communications Center

A tour of the 9-1-1 Communications Center was conducted following Item #9 of the agenda. Karen Mracek explained the workings of the Center and was later joined by Pat Irwin of AT&T, who further described the systems used. Pat mentioned that they currently have a one-year maintenance agreement on the present equipment and will then either take out another one-year agreement or move to the next generation of equipment. He explained that MARS was the interface with the analog portion of the system and will not be sold after January 1, 2009, with parts and support for it only being provided for the next three years. Pat said the new 9-1-1 system will be fully digital and once they go to a hosted site, they will have full redundancy. He stated that once the system was approved for purchase, it would take about six months to put together, install, and train on.

5. Explanation of the 9-1-1 System

After the tour of the Center, Pat Irwin presented a slide show regarding the next generation of the 9-1-1 system (presentation attached). Pat mentioned that AT&T has never owned the PSAP itself but only maintained it for Carson City but that once they go to a hosted environment, they

will own it as well as maintain it. He said that when they bring in their hosted environment, there will also be other PSAPs working with the same kind of MARS structure. It will take years to get rid of the structure as a whole because every PSAP will have to go to a digital environment before Pat can turn down the old environment. So, basically, there will be a side-by-side network with the selective router (with eventually that router going away when they get their new database). Every 9-1-1 call will go through the local central office, end up at AT&T's selective router, go to the host location where the data center is, and then there will be two T1s coming out (with the extra T1 being the redundancy factor).

Pat said that in regard to the next generation of call-handling equipment, they've worked with both the Positron VIPER and the PlantCML Sentinel Patriot. He said that the system Carson City currently has was old at best and although they saved as much as they could from the old jail and have replaced a lot of cards and other items, Carson City was now in a good spot to make a change to a new network and a new technology. And with the equipment being housed with AT&T, their technicians will be more readily available to handle problems as they occur along with their diagnostics and tests.

Stacey Giomi mentioned that one great advantage of having a hosted site is that they will have a completely redundant system which the city currently does not have. Also, the fire chiefs of the four-county region would like to see a four-county regional dispatch center on the fire side and that this could be the beginning of accomplishing such a goal.

6. Discussion and Possible Action Regarding Current Status of Equipment, Including Life Span and Issues that Need to be Addressed

Stacey Giomi stated that this item will be addressed at the committee's next meeting after the committee's tour of the 9-1-1 Communications Center at the end of today's meeting. Stacey said that he will request Jack Freer to provide a list of the current equipment with its expected life span.

7. Review and Possible Action Regarding Carson City Municipal Code Ordinance Chapter 4.05 Language Change

Stacey Giomi stated that Section 4.05.100 of the ordinance referred to the penalty for failure to remit surcharges and that this language had been crafted from a couple of other municipalities with similar ordinances. However, the Carson City's Treasurer has asked that this penalty language be modified in order for it to be in line with the other penalties currently imposed on the telephone providers (land lines and cell phones) in town so that they would not have to understand two different ways of paying penalties. Stacey has provided the Treasurer with a change in language to comply with his request but because he has not yet received any feedback from him, he will have this item placed on the committee's next meeting agenda.

Stacey mentioned that if the committee supported staff's decision to make the language change in general as discussed, this matter could then be taken before the Board at either its December 15 and January 5 meetings or its January 5 and January 15 meetings. It was then moved by Bernard Sease, seconded by Karin Mracek, with motion carried, that the committee accept staff's recommendation for the change in the ordinance to meet the Treasurer's proposal for violation.

8. Discussion and Approval of the 9-1-1 Surcharge Advisory Committee Master Plan Relating to the Expenditure of Funds for 9-1-1 Services

Stacey Giomi stated that as the Master Plan had not yet been completed, it will be placed on the next meeting's agenda.

9. Next Meeting Date

It was moved by Bernard Sease, seconded by Daniel Berger, with motion carried, that the next meeting be held January 27 at 8:30 a.m. (This meeting will be held in the Capitol Conference Room at City Hall, 201 N. Carson Street.)

10. Adjournment

It was moved by Bernard Sease, seconded by Karin Mracek, with motion carried, that the meeting be adjourned at 3:25 p.m.

Recorder: Judy Dietrich

Evolving E9-1-1 Public Safety

AT&T Helping Carson City Move
Forward to NGE 9-1-1

Dec. 4th 2008

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AT&T Commitment to Public Safety

Local to national, we are dedicated to providing the most complete, secure and reliable next generation public safety networks, products and solutions that will enable you to effectively manage and efficiently respond to emergencies.



Conflicting Demands

Declining E9-1-1 surcharge funding

Increased growth in Wireless

Adoption of and migration to VoIP

Increasing 9-1-1 call volumes

Heightened need for survivability and disaster preparedness

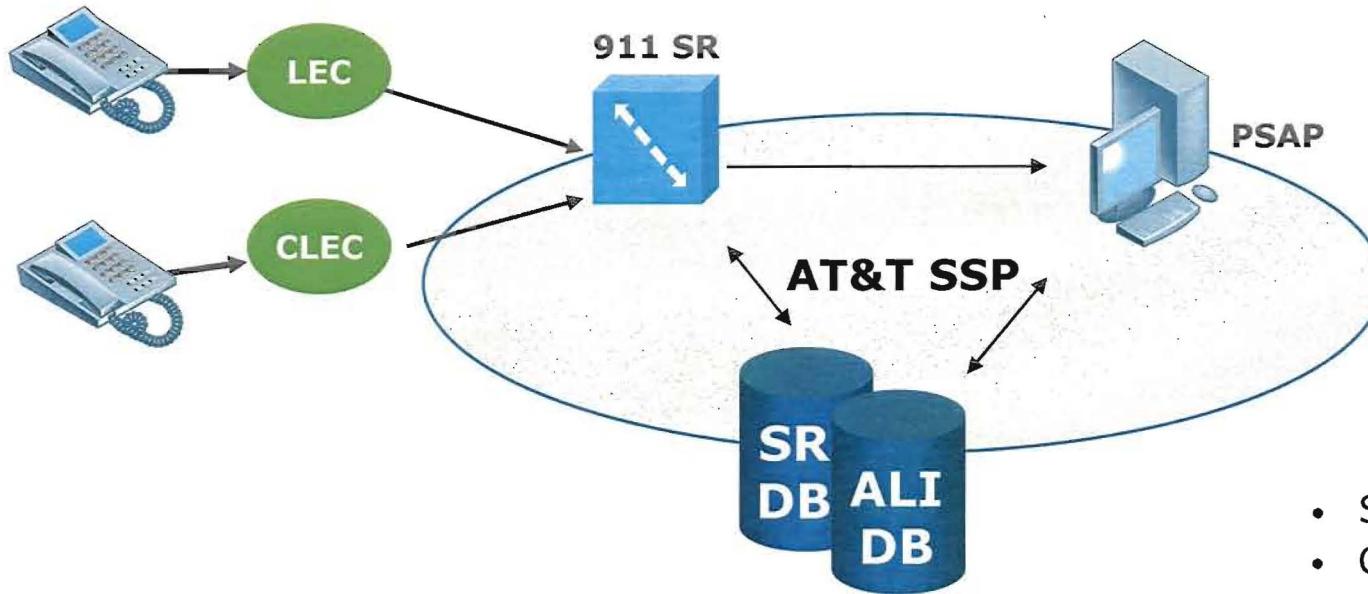
New Technologies with 9-1-1 requirements

Interoperability demands increasing

Tremendous Public expectations – 9-1-1 anywhere, anytime, from any device

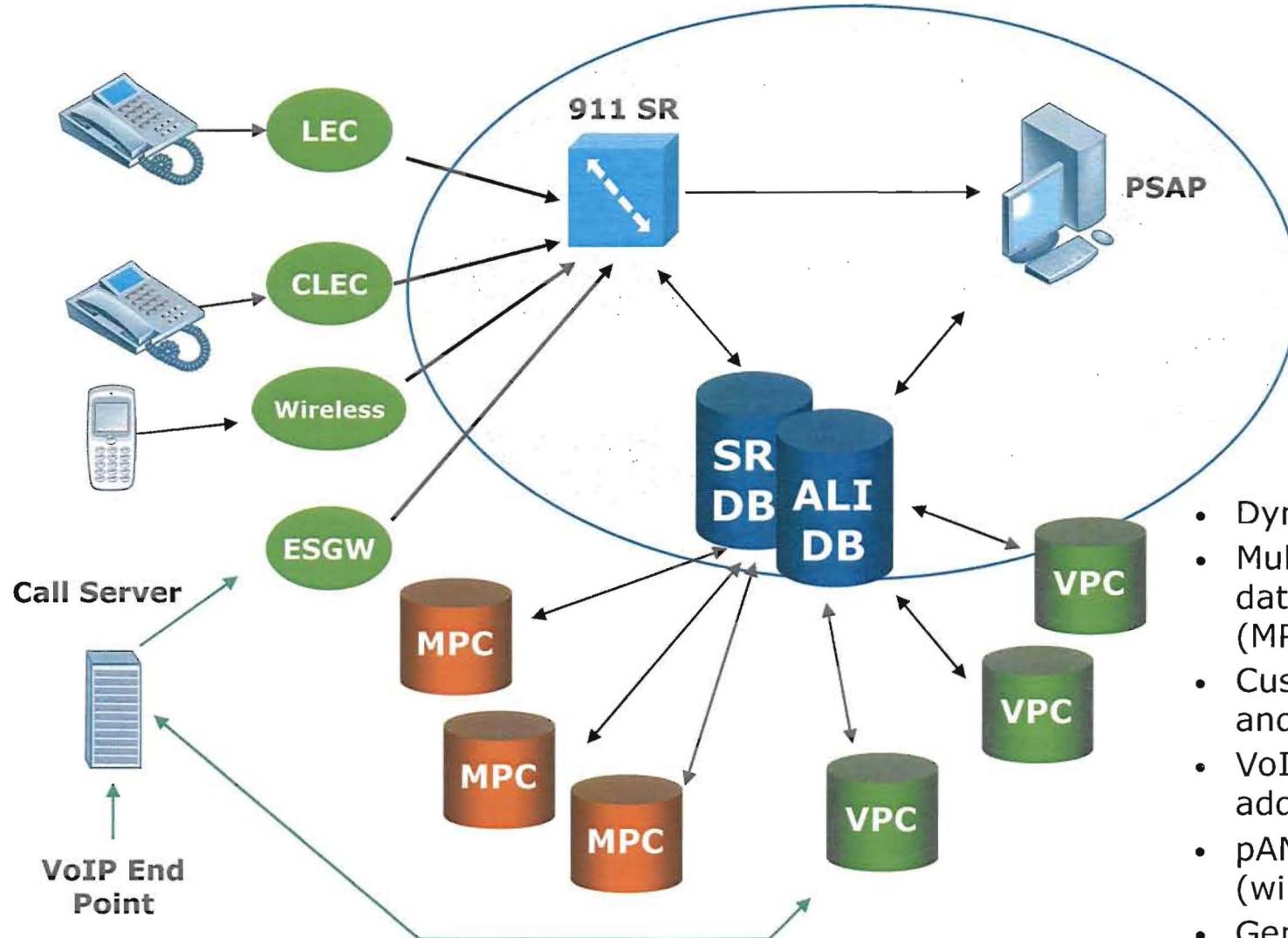
There will be more change in Public Safety Communications and 9-1-1 in the next 5 years than seen in the past 30 years!

9-1-1 Network – a few years ago



- Static data
- Customer name, address and TN
- MSAG validation assures usable location information
- Routing determined by MSAG validated civic address

9-1-1 Network - Today



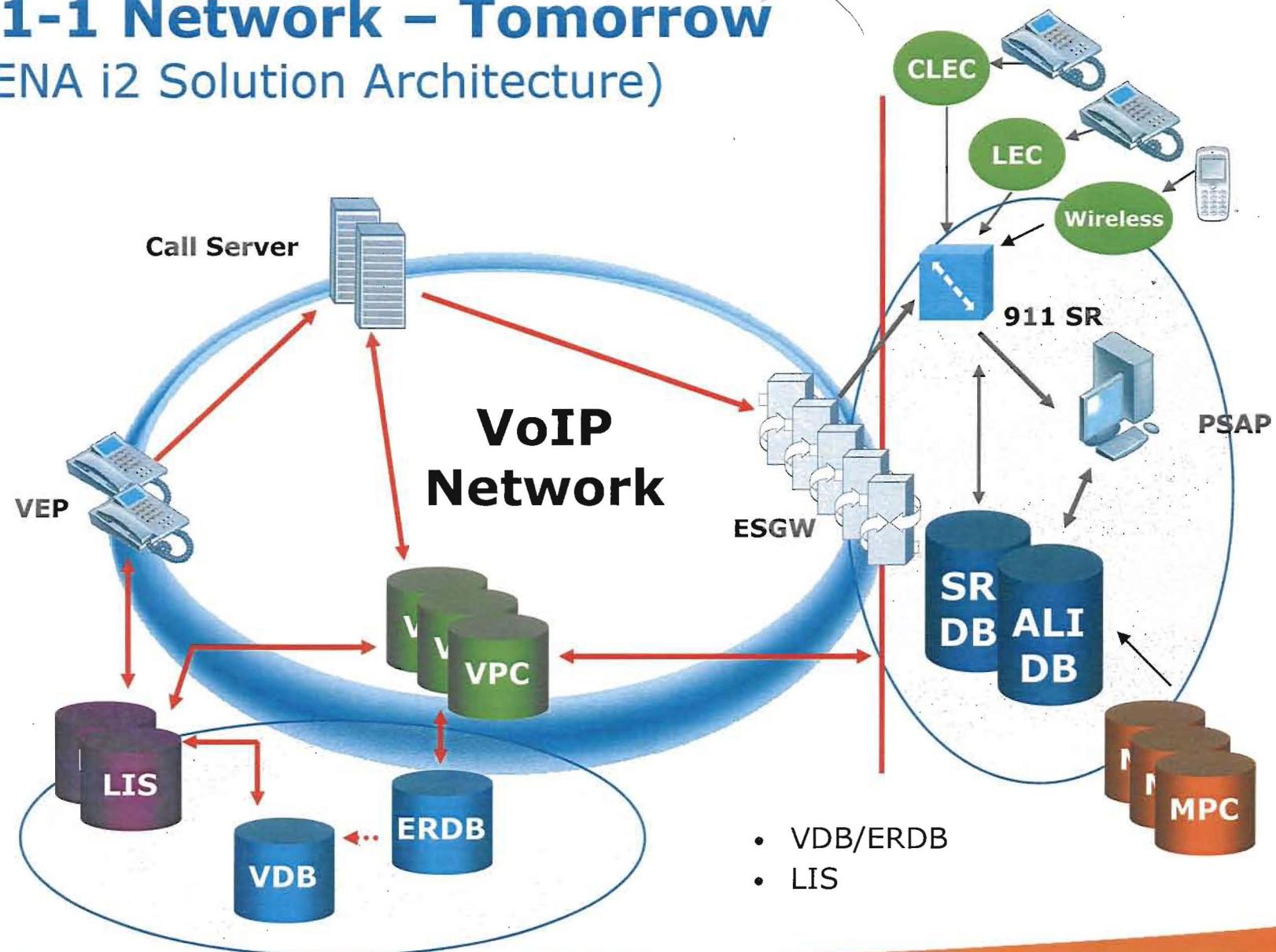
- Dynamic data
- Multiple External data sources (MPCs and VPCs)
- Customer name and call back #
- VoIP Registered address
- pANI call routing (wireless and VoIP)
- Generic ELTs

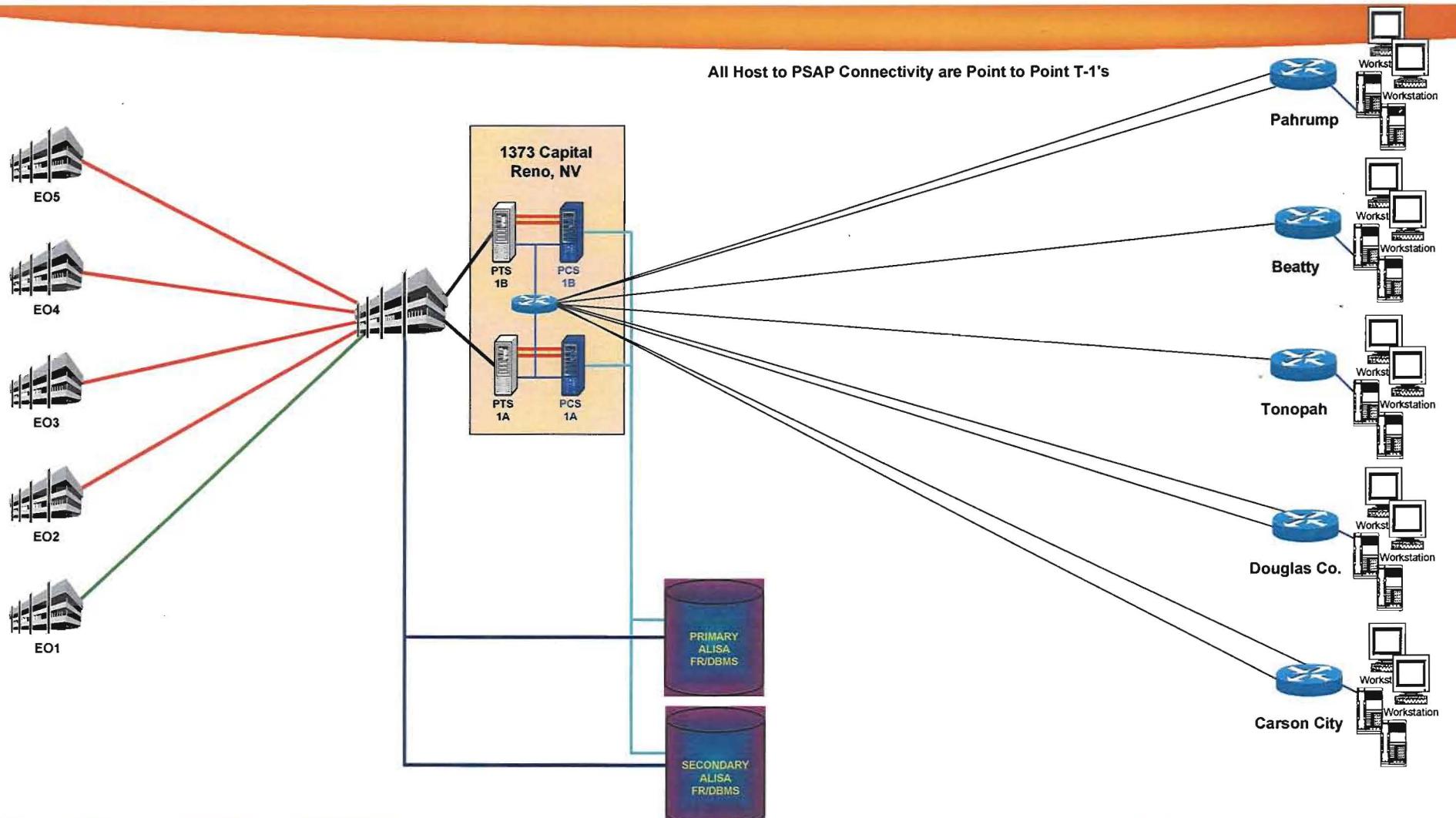
Acronyms

ERDB	Emergency Routing Data Base
ESGW	Emergency Services Gateway
ESI Net	Emergency Services IP Network
LIS	Location Information Server
MPC	Mobile Position Center
MSC	Mobile Switching Center
SSP	System Service Provider
VDB	Validation Data Base
VEP	VoIP End Point
VPC	VoIP Positioning Center

9-1-1 Network – Tomorrow

(NENA i2 Solution Architecture)





	Customer:	Nevada Multi-PSAP – Reno				Project: Nevada Multi-PSAP - Reno	
						Synopsis:	Centralized Managed VoIP 911 system. PSAP's: Beatty, Tonopah, Pahrump, Douglas County, and Carson City.
Page Title	Telco Network - CPE Network integration				Sheet 1 of 1		
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Revision	1	Last Updated	12/1/2008	Design Engineer	Justin Vaughn & Clint Craighead	File Name	Nevada Multi-PSAP - Reno

NextGen Based Call Handling Equipment

Next Generation IP enabled equipment

Positron VIPER

- Deployment – Available in MW, SW, SE, W regions

PlantCML Sentinel Patriot

- Deployment – Available in the MW, SW, W regions. SE targeted Q2 08

Features

- Session Initiation Protocol (SIP) for the delivery of voice
- Allows for remote positions
- Integrates with customer PBX
- Backroom servers deployed redundantly
- Designate alternate handling for remote answering position calls

NextGen Based Call Handling Equipment – Cont.

Benefits

- Fully featured IP-based incident response system
- Backroom equipment can be located at a centralized location
- Dynamic add-in of new call-taking positions
- All components are fully redundant and highly fault-tolerant
- Optional geographic redundancy

NextGen Based Call Handling Equipment – Cont.

E9-1-1 Hosted Services

Features

- Available with Plant Sentinel and Positron VIPER equipment
- AT&T Hosted (call processing at AT&T hosted locations)
- Availability Q1 09

Benefits

- Improved routing, redundancy, and disaster capabilities
- Reduces upfront costs for PSAPs
- Reduces the amount of equipment to be maintained at the PSAP

Meeting Your Needs

Standards Based Solutions

- Focused on the future
- Leading edge not bleeding edge
- Open architecture
- Highly scalable
- Minimize your risk
- Maximize your investment

Flexible, Integrated Services

- Data Validation
- Call Routing
- Network Architecture
- Call Handling
- Monitoring and Maintenance
- Disaster Mitigation and Recovery

Your 9-1-1 Services Provider – The AT&T Difference

- Long and proud history as a 9-1-1 System Service Provider
- Leading edge industry standard solutions
- Commitment to open architecture
- World class technical expertise
 - ❖ Renowned network reliability
 - ❖ Unsurpassed IP based-network capabilities, assets and resources
 - ❖ Extensive network security experience
- Dedicated 9-1-1 resources – local presence and national perspective
- Global reach, depth and breadth
- Superior financial strength and history of innovation
- Complete suite of fully integrated solutions
- Fully committed to moving Public Safety forward to the Next Generation

T1S costs:

Non-recurring Charge Monthly rate

TMECS, Channel Terminations

\$155.00 each

\$400.00 each

911 Network costs:

Automatic Number Identification

Non-recurring Charge Monthly rate

Each 1,000 main stations \$120.00 \$25.00

Additional optional E911 CAMA trunks

Automatic Location Identification

Selective Routing

Each 1000 main stations \$25.00

\$15.00

AT&T Hosted Equipment

Option 1

\$32,495.00 per position upfront per PSAP seat or end user.

\$600.00 per month for 60 months for E9-1-1 maintenance support. Plus the cost of the UPS, and Spectracom time Synch equipment.

Total: \$292,455.00 up-front and \$6,153.22 per month

AT&T Hosted Equipment

Option 2

\$1,279.83 per position per month for 60 months for E9-1-1 equipment

\$189.53 per position per month for 60 months for: E9-1-1 maintenance support

\$75.00 per month per position for 60 months per UPS provided

\$8.68 per month per unit for 60 months to per NETCLOCK includes hardware and software.

Total is: \$1,553.04 per month

911 Surcharge through AT&T phone bill

We have an NRS that supports all the Counties to achieve E 9-1-1 success.

So far Douglas County and Washoe County are the only ones that are currently collecting.

Starting the process are:

Elko County, Carson City, City of Mesquite and Eureka County



at&t

Questions!

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