

NENA i3, TCS and You



NENA is defining NG9-1-1 in its i3 specification. Significant improvements are:

- Support for newer technologies/services: text and photos; increased mobile and nomadic service; evolution of originating networks and devices to IP
- Increase the system survivability
- Improve interoperability and information sharing between PSAPs and downstream agencies

TCS Action Items

- Support of NENA open standards for both NG9-1-1 and landline E9-1-1 features
- Provide commercial off-the-shelf components wherever possible
- Offer a smooth and reliable transition from existing E9-1-1 to NG9-1-1 with support of essential E9-1-1 features

Public Safety Action Items

- CPE needs to be able to accept additional data sources and communication technologies, e.g., IP-based voice and data
- GIS, Address, and other data (Policy, Defaults, etc.) that drive the system must be maintained to high standards for accuracy and integrity
- Transition steps must be methodical and easy to implement for PSAPs and Communications Service Providers alike

See TCS' complete line of products and services at www.telecomsys.com.

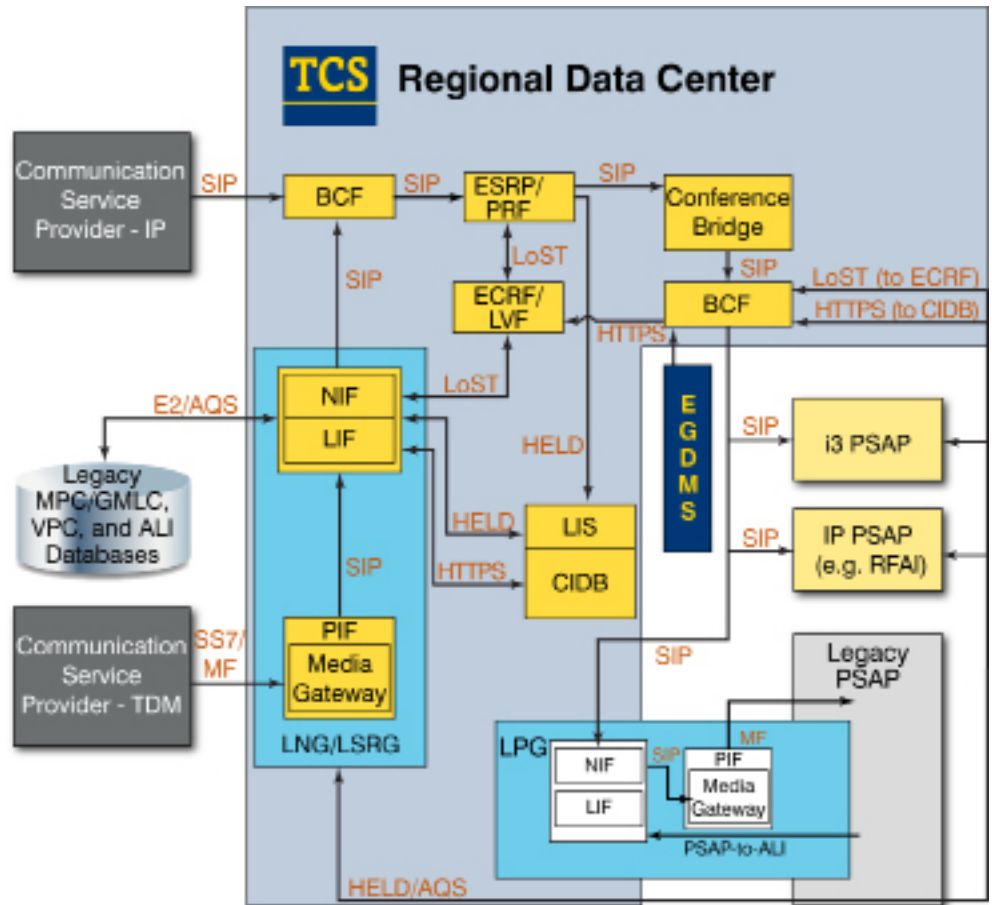
Your Established Partner

A key provider of today's wireless, wireline, and VoIP E9-1-1 solutions, TeleCommunication Systems, Inc. (TCS) is now leading the transition to Next Generation 9-1-1 (NG9-1-1) solutions that are revolutionizing emergency communications. TCS pioneered the methods by which Public Safety Answering Points (PSAPs) in the U.S. are able to receive a wireless or Voice over Internet Protocol (VoIP) subscriber's location during calls for emergency assistance. TCS technology forms the basis for NG9-1-1 service delivery.

Working closely with the industry bodies shaping the emerging NG9-1-1 standards, TCS is developing innovative IP-based 9-1-1 solutions that interface seamlessly with other standards-compliant systems. TCS operates the only TL 9000-certified wireless and VoIP E9-1-1 Network Operations Center in the world, ensuring these NG9-1-1 solutions are carrier-grade, highly available, and fault-tolerant.

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Supplementary Features Pending Standards Development

- Text/IM to 9-1-1
- Files to 9-1-1, such as photos
- Streaming video
- Telematics and sensor data
- Virtual PSAP – Planned and “on-the-fly”
- Additional policy-based routing (Language preference, technology type)

How Public Safety can be ready.

- Regulations should promote NG9-1-1 advances by allowing:
- Your NG9-1-1 provider to be different than your E9-1-1 provider
 - Your NG9-1-1 IP infrastructure provider to be different than your NG9-1-1 service provider
 - New entrants to support service to your NG9-1-1 provider

See **NENA NG9-1-1 Transition Policy Implementation Handbook**
<http://www.nena.org/government-affairs/stories/ngpp-transition-policy-implementation-handbook>