



Solacom Emergency Services Platform

A surefooted path to Next Generation 9-1-1

Next Generation 9-1-1 promises to bring significant benefits to the world of Public Safety, but at the same time, the uncertainty of change is unsettling for many Public Safety Answering Points.

Having the right technology partner will make the difference between smooth transition and a costly, disruptive struggle to implement NG9-1-1.

Before you choose your way forward, you'll want to consider how Solacom's Emergency Services Platform (ESP) can help you avoid the pitfalls and arrive at NG9-1-1 in a well planned manner.

Not just ready for IP – we're IP at the core

The next-generation network will be IP-based, using packet switching technologies to achieve greater reliability and redundancy as well as more flexibility than the legacy circuit-switched networks widely used for 9-1-1 today.

Solacom's ESP is designed and built for IP-based call routing, IP-based CPE and associated database systems, and for converging traditional voice and data into the packet switched network while at the same time providing legacy ingress and egress to the system from authorized carriers, PSAPs and other public safety agencies.

Another important distinction, we own our call control technology, we developed it specifically for 9-1-1 communications – it is not based on 'open source', so you won't be held captive waiting on an unknown timetable to resolve problems or evolve changes.

Implementation at a pace that makes sense for you

No rip and replace. Solacom architecture allows you to migrate to next-generation in logical and cost effective stages, according to your requirements. Initially, you may wish to migrate to an IP enabled network and IP selective routing while continuing to use your existing CPE. Whenever you are ready, you can upgrade your operator position equipment, or even build a complete Emergency Services IP network (ESInet).

Whatever your needs, you'll come to appreciate a platform built specifically for public safety, using the best possible technology to provide you with converged services and straight forward solutions for everything from embedded instant messaging to opening a garage door from an operator position.

A visionary call taking interface

The Guardian Intelligent Workstation provides single button transfer, advanced conferencing, unlimited contacts list and greater call control for both legacy and NG9-1-1 calls. The modular screen layout can be customized and saved by operators, or it can be set to a standard display for all PSAP workstations.

- Provides legacy call-handling functionality
- NG9-1-1 ready today
 - IP to the desktop
 - IP interfaces for CAD and ALI
 - .NET programming environment
- Will evolve to meet emerging standards
 - audio, video, text
- Emergency Community Notification
- Supports local IP and "virtual IP" remote positions
- Built-in ACD
- Powerful conferencing and call control capability
 - Up to 1,000 participants can join in a conference
- MIS and Audio Recording
 - MIS integrated with audio logging recorder option



Working to develop standards and ensure interoperability

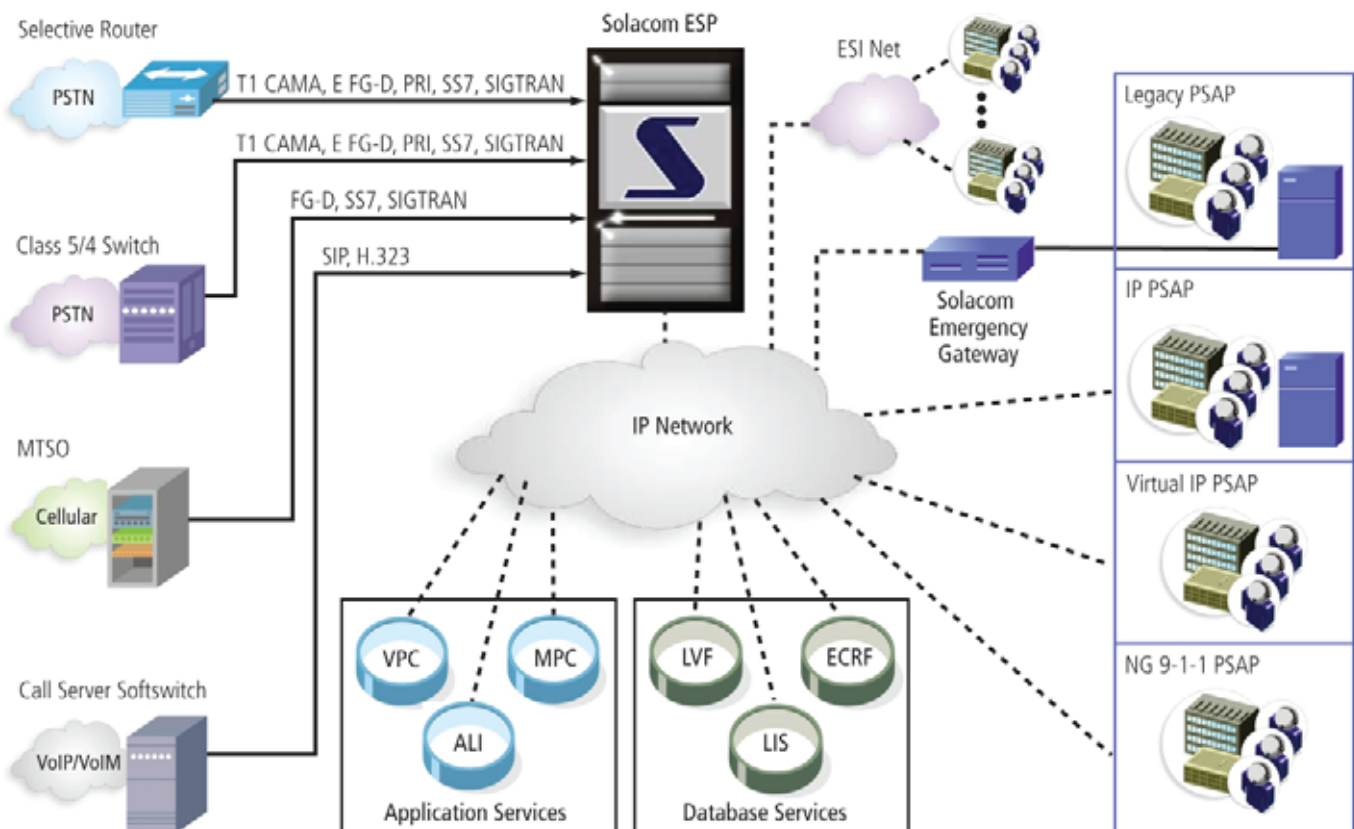
Solacom is committed to open standards and interoperability, and is helping to define Next Generation 9-1-1 through NENA initiatives such as Proof of Concept and Industry Collaboration Events – as well as demonstrating new capabilities such as SMS/IM/Emergency Messaging Prototype Development at the International APCO conference.

Being at the forefront of industry development also ensures that as the next generation standards are created and deployed, our customers have an intelligent path forward, using software modules to update or add functionality while their core Solacom system remains intact – helping preserve their investment.

Solacom's next-generation Emergency Services Platform includes:

- IP PSAP Solutions (customer premise-based or hosted)
- Integrated IP PBX
- ESRP/IP Selective Routing (emergency services routing proxy)
- Legacy Network Gateway
- Legacy PSAP Gateway
- Public Safety Grade IP based Wide Area Network (WAN)
- DBMS and ALI solutions to meet legacy requirements as well as migration to a full i3 solution including:
 - Emergency Call Routing Function (ECRF)
 - Policy Routing Function (PRF)
 - Location Information Server (LIS)
 - Location Validation Function (LVF)
- Border Control Function (BCF)

Solacom ESP is compliant with i3 and acts as a transitional solution for seamless migration from i2 to i3 – suited to either legacy or IP PSAPs



The ideal system for today's PSAP, or for building a network of PSAPs

You know you're heading in the right direction when your public safety 9-1-1 system gains a lot of new capability, yet is easy to use. Right down to its core architecture, Solacom's ESP is made for public safety 9-1-1 communications, designed to handle legacy analog lines as well as today's IP networks, and is available pre-staged from the factory, allowing for faster and smoother deployments.

Our IP-based platform also makes it easy and cost effective to establish a networked system of PSAPs, where calls can be immediately rerouted if a site goes down due to natural disaster or any other reason. Operators can log into any PSAP in the network (or in fact any computer with an Internet connection), access their 9-1-1 trunks and administrative lines and work as though sitting at their regular terminal. As well, a network can help distribute an overflow of calls arriving at a PSAP in response to a catastrophic event.

Field proven, time and again

For almost 30 years, we have been engineering rugged systems for critical communications and situations when lives are literally on the line. Solacom technology is being used in over 26 countries – from dense urban environments to sprawling counties. You'll also find our systems at work in special applications, like NASA's shuttle landing facility, and in the harshest extremes including Middle East deserts and Antarctic ice fields.

At the end of the day, it's all about helping you save lives. We're committed to being your partner in critical communications with 9-1-1 solutions that make it easier for you to do your job.

Contact us today to explore how Solacom's ESP can help you build your next generation PSAP.



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