

# Convergent Network Solutions for Telecommunications

## At a Glance



Supported by proven technologies and methodologies, industry best practices, and the deep industry expertise of experienced consultants, Perot Systems' applications solutions for convergent network operators and equipment providers enable the development of new products and services quickly and cost-efficiently. Through global delivery capabilities, we ensure the right balance of resources to meet your business' unique needs and goals to deliver the value you expect.

PEROT SYSTEMS® Convergent Network Solutions include:

- Signaling protocols
- Switching applications
- Applications and interface development
- Quality assurance and field trials
- Integrated network applications
- Element management systems

## LEVERAGE EVOLVING NETWORK TECHNOLOGIES TO SEIZE COMPETITIVE ADVANTAGE.

To keep pace with competitors and create innovative products to meet user demands, telecommunications providers are rapidly moving towards IP-based networks capable of delivering converged voice, video, and data services. This move towards the delivery of flexible communication and collaboration services in a modular, internet-like framework has accelerated the emergence and adoption of new network technologies. To upgrade to these technologies and create innovative services while controlling costs, many telecom providers turn to Perot Systems for expertise in telecommunications and applications solutions, and for cost-efficient, timely global delivery.

## BENEFIT FROM SOLUTIONS THAT MEET YOUR UNIQUE NEEDS AND GOALS.

Through a sharp focus on and extensive experience in the telecommunications industry, Perot Systems has earned the expertise to help original equipment manufacturers, independent software vendors, and network service providers take full advantage of convergence.

We offer design and development services for a wide range of wireline, wireless, and call-processing applications as well as network management services, providing complete FCAPS functionality on soft switches and various network elements. Our domain experts possess the knowledge and real-world skills to deploy solutions in network elements and devices to interwork with other technologies. And we can craft enhancements to products and applications so that new services may be delivered alongside existing ones, helping control capital expenditures.

Along with these development and enhancement solutions for hardware and software vendors, we provide implementation and integration solutions for network service providers. Our real-world experience and expertise, acquired through successful engagements with customers worldwide, give us the edge our customers look for to meet their unique needs.

## DOMAIN EXPERTISE AND EXPERIENCE.

At Perot Systems we employ proven methodologies and industry best practices to develop and deliver solutions via our global delivery model, employing the right mix of site-based, on-shore, and offshore resources to generate maximum value for our customers. With more than 15,000 professionals across multiple countries, deep business and technical expertise, strong financials, and strong business ethics, Perot Systems is ready to help your telecommunications business leverage evolving network technologies to seize competitive advantage.

**Perot Systems can design, implement, and manage a wide variety of converged network solutions via our proven global delivery model. Our experience and expertise as a leading technology and systems integrator means you get measurable results—and maximum value—from your legacy network.**

**Perot Systems Convergent Network Solutions include:**

- Signaling Protocols
  - Wireless protocols—MAP, IS41, RANAP, ALCAP, WIN, CAP, and more
  - SS7 and VoIP Protocols—MEGACO, MGCP, SIP, SIGTRAN, and SS7oATM (MTP3B and Q.SAAL)
- Switching Applications
  - Wireless & call control applications—subscriber profile manager, call manager, mobility manager and supplementary services (mobile access hunting, call waiting, call forwarding, call blocking, E911 Services, more)
- Interface and Application Development
  - Development of applications and interfaces for 2.5 / 3 G standards such as GSM, CDMA, GSM-1X and UMTS, across different networks such as SS7 / IP / ATM
  - Softswitch Development
- Quality Assurance and Field Trials
  - Regression testing, system testing & load testing
  - Field deployment & trials
  - Test automation framework development
  - Test automation and audits for Wi-Fi hotspots
- IN Capabilities
  - INAP (IN applications part), CAP (CAMEL application part), wireless number portability, WIN support
- Element Management Systems
  - Support for full FCAPS functionality across different networks and network elements
  - CLI interface to legacy systems and external NMS & OSS
  - Field-testing of devices including features such as
    - Over-the-air provisioning
    - Regular build upgrades
    - Performance testing and benchmarking

**Benefits of Perot Systems Convergent Network Solutions:**

- Rapid development and deployment of products and applications helps customers gain competitive advantage through shorter time-to-market with new services
- Expanded portfolio of products and services positions businesses to win new customers while controlling operational costs
- Rigorous testing and field trials of solutions help ensure quality, while verification aids in reliable operation in the field, enhancing customer satisfaction and aiding customer retention
- Interoperable solutions leverage underlying investments to streamline operations and provide new and seamless communications services to customers
- Interoperable solutions help secure new customers with existing portfolio of products and services, while protecting existing investments and lowering capital costs
- Product and application enhancements and customization enable customized offerings to customers
- New and enhanced offerings can help meet global technology and/or regulatory compliance standards
- Onsite/offshore model improves productivity, accelerates delivery, and helps control costs

**For more information about our Convergent Network Solutions or other solutions for your business or organization, contact your Perot Systems account representative or one of our global offices.**

**perotsystems®**

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