

Trusted NG9-1-1 Network Infrastructure for Regional & Statewide Communities

Allerium ESInet / NGCS

Allerium's modular, scalable ESInet/NGCS service transforms legacy systems into modern emergency communications infrastructure across county, regional, and statewide deployments. Aligned with NENA i3 standards, the service enables end-to-end IP call routing, TDM-to-IP conversion, and geospatial routing—while supporting voice, text, and video messaging as PSAP needs evolve.

Built for uninterrupted performance, the ESInet/NGCS service includes redundant core components with load balancing and automatic failover and a geo-diverse design that ensures seamless call transitions and high availability, even in demanding conditions.

Allerium's ESInet/NGCS integrates smoothly with emergency communications frameworks, including:

- » NENA i3
- » ATIS protocols (e.g., J-STD-110, IMSESINET, NGES, IMS911, ELOC, ESIF)
- » IETF standards (e.g., SIPCORE, ECRIT, SIPREC, GEOPRIV)

Unmatched Availability

An active-active design with quad-redundant processing and both geographic and local redundancy ensures peak performance without manual intervention.

Enhanced Interoperability

Our system is thoroughly tested with leading CHE manufacturers and other ESInet/NGCS vendors and deployed alongside other NENA i3-compliant components to deliver proven flexibility.

Geographic Redundancy

Our ESInet/NGCS architecture includes geographic redundancy that assures continuous system availability for critical operations.

Full Functionality

From carrier circuits to PSAP demarcations, our service handles end-to-end 9-1-1 traffic seamlessly and provides native MSRP Text to 9-1-1 support.

Adaptive Routing

Our solution supports flexible updates to routing rules, ensuring optimal performance and responsiveness during dynamic emergency scenarios.

Allerium is a trusted leader in mission-critical connections.

For over 40 years, we've delivered reliable, life-saving solutions that empower public safety professionals and essential service providers to act with confidence – when every connection counts.

Guided by integrity, innovation, and deep expertise, our configurable technologies help build safer, more connected, and more resilient communities.

Learn more at allerium.com