

STANDARDS-BASED NETWORK CONVERGENCE

**INTEGRATE YOUR SATELLITE NETWORK INTO
THE GLOBAL COMMUNICATIONS DOMAIN**

In the historically-siloed world of satellite technology, any synergies between wireless, cellular, and terrestrial have been a challenge to attain. To move forward, the industry needs to work toward smoother integration and interoperability, resulting in hybrid networks built on common architecture that use the best means to the end.

5G standards will help with this transition, enabling seamless movement between networks, automatic authentication and advanced security. Network standards will improve the speed, scale, cost and flexibility of service delivery.

Interoperability mandates partnerships which will ultimately benefit operators and service providers. All participants in the value chain must identify and bring their greatest value contribution to their partnerships, resulting in the best overall solution to market. By exploring areas of collaboration and optimization, we can bring unique value to our customers.

WHAT IS YOUR 5G STRATEGY?

Interoperability using 5G Standards for a Network of Networks

Standards-based convergence will create operational efficiencies from preexisting telco-standards 3GPP and MEF, as well as rich APIs for end-to-end service delivery. This is the pathway to providing unity of operations and leveraging the broader telco environment for service delivery. Standards eliminate the restriction of being locked into a particular vendor, creating resiliency, lower costs, and more innovation.

Interoperability between satellite and terrestrial networks is necessary to deliver true end-to-end services. This represents a fundamental shift in network deployment compared to previous generations of satellite communications.

Path to Integrate OSS/BSS Easily for Seamless Control

Intuition NMS leverages standards-based APIs that cover all aspects of network configuration, monitoring, and troubleshooting so the NMS can be integrated with external OSS/BSS systems. The NMS also acts as an element management system (EMS) within a larger, external ecosystem ensuring a unity of operations. Its query language, GraphQL, streamlines the overall query process by fetching data from multiple data sources with a single API call, therefore reducing the load on the system.

Deploy Networks Flexibly with Industry-Best Standards

Intuition supports business scale by leveraging standards, instilling confidence of evolving alongside the global communications industry with a unified approach. Connecting into the larger telco environment creates enormous opportunity to amplify the potential of the role of satellite in an increasingly complex and interconnected world. By removing technology constraints, growth in scale is more achievable than ever before. There are myriad technical and business standards iDirect supports including DVB-S2X, OpenAMIP, ARINC, Seamless Air Alliance, DIFI, WAVE and more.

Strengthening Collaboration and Driving Innovation Through Strategic Partnerships

Strategic partnerships are a critical means to the realization of the satcom industry's potential in the greater telecom ecosystem. By collaborating both within our sector and beyond, we can create opportunities for shared success through synergistic efforts. Common challenges—such as heavily customized solutions and lengthy procurement cycles—can be addressed through unified approaches. These include developing standardized physical and application interfaces that free users from vendor lock-in and legacy infrastructures and fostering alliances among trusted industry associations to align and advance shared objectives.

SIMPLIFY YOUR PATH TO NETWORK CONVERGENCE

With converged standards, you're free to scale your business with the confidence that you are evolving alongside the global communications industry with a unified approach. This extension into the larger telco environment creates enormous opportunity to amplify the potential of the role of satellite in an increasingly complex and interconnected world.

By removing technology constraints, growth in scale is more achievable than ever before. The coordination of the ground and space segments will allow for agile capacity allocation, exponentially boosting its value as resource across telecommunications and IT.

Intuition will empower businesses to make the right decision despite increasing complexity. The coalescing of all these systems invites and calls for cooperation within a unified environment. Intuition embraces open standards, envisioning a future where we are more interdependent than independent.