

# Hedge Fund Expert Insights

*SRv6 paradigm shift intelligence — on-demand for institutional investors*

FINANCIAL SERVICES / MARKET RESEARCH

## Service Overview

SRv6 TEK Innovations provides rapid-turnaround, on-demand expert network consultations for Hedge Fund Analysts, Portfolio Managers, Long/Short Equity Strategists, and Management Consultants requiring precise, technically grounded intelligence on global telecom infrastructure markets, protocol transition economics, and hardware vendor competitive landscapes. Delivered exclusively via elite expert networks (GLG, AlphaSights, Guidepoint).

***"SRv6 is the single most significant paradigm shift in carrier networking since MPLS. Every major incumbent and white-box vendor now has skin in the game. The question for fund managers is not whether this transition happens—it is who wins the margin."***

## SRv6: The Paradigm Shift Redefining Network Infrastructure Markets

Segment Routing over IPv6 (SRv6, RFC 8986) is replacing a fractured stack of legacy protocols—RSVP-TE, LDP, BGP/MPLS VPN, VXLAN overlays—with a single, unified IPv6 forwarding plane. The financial implications are enormous: incumbent hardware margin compression, Open NOS commoditization, and a new white-box switching market measured in billions of dollars of annual capex displacement. Understanding this shift is now a prerequisite for alpha generation in TMT and infrastructure-adjacent equities.

- SRv6 uSID (micro-SID, RFC 9252) uses F321632 format (32-bit block + 16-bit uSID + 32-bit GIB for compute /64 locators), enabling 4.2 billion container fabric prefixes per network with minimal MTU overhead — making it natively compatible with Kubernetes and cloud-native workload fabrics.
- The unified data plane eliminates the need for RSVP-TE, LDP, BGP Label, VXLAN/GENEVE, and GTP-U as separate protocol stacks — directly reducing per-router software licensing complexity and the operational labor that sustains it.
- eBPF/Cilium and FRRouting bring SRv6 natively to Linux hosts and Kubernetes pods, meaning segment routing is now a host-kernel capability — not just a router feature. This is the architecture underpinning next-generation AI DC fabrics.
- Every Tier-1 SP and hyperscaler (AT&T, Verizon, NTT, Softbank, Amazon, Google, Microsoft) is in active SRv6 production deployment or committed migration — creating an enormous replacement cycle in router, ASIC, and NOS software markets.

Primary Advisory Domains

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Incumbent Vendors — SRv6 Transition Momentum | Cisco (IOS-XR, CNC Controller), Juniper (Junos, Paragon), Nokia (SR OS, NSP), Arista (EOS, CloudVision), Ciena (SAOS, Navigator NCS). All are in varying stages of pivoting to SRv6 as their primary TE control plane — with Cisco's IOS-XR and CNC controller leading production momentum. Competitive differentiation now lives in ASIC silicon depth, controller UX, and open-API ecosystem positioning. |
| White-Box Switches & Open NOS                | Edgecore Networks, UfiSpace, Delta Electronics running SONiC (Microsoft Open NOS), FRRouting (FRR open-source routing suite), Stratum (ONF P4-programmable NOS), and Arrcus ArcOS (disaggregated NOS). OCP white-box is structurally compressing incumbent switching margins — Broadcom ASIC + SONiC is now a \$1,200 10G port vs. \$8,000 incumbent.                                                       |
| MPLS → SRv6 uSID Transition Economics        | Capex/opex modeling for operators migrating from RSVP-TE to SRv6 uSID. Equipment refresh cadence, NOC retraining, dual-plane operational cost, and PCE controller platform spend.                                                                                                                                                                                                                           |
| Lossless AI DC Fabrics                       | RoCEv2 / SRv6 uSID backend GPU fabric economics: ECMP flow polarization risk, SRv6 Flex- Algo rail isolation design, InfiniBand vs. Ethernet market share dynamics at hyperscaler scale.                                                                                                                                                                                                                    |
| 5G NTN Space / Global Backbone               | LEO constellation backhaul economics, Starlink enterprise penetration, SRv6-over-OISL orbital routing mesh architectures, and spectrum regulatory impact on terrestrial incumbents.                                                                                                                                                                                                                         |
| Telecom Software Stack — SRv6 Native Cloud   | SRv6 SR-TE to host natively via eBPF/Cilium and FRRouting. RHEL suite and Kubernetes are SRv6 uSID-capable with F321632 GIB 32-bit GIB encoding for compute /64 locators yielding 4.2 billion container fabric prefixes. OpenStack, OpenDaylight, ONAP adoption risk vs. cloud-native SRv6 CNI migration.                                                                                                   |

Pricing and Engagement Terms

| Platform                   | Format                                                   | Rate              |
|----------------------------|----------------------------------------------------------|-------------------|
| GLG (Gerson Lehrman Group) | Primary — search 'Gyan Mishra' or 'SRv6 TEK Innovations' | \$1,000 / hour    |
| AlphaSights                | Project deep-dives and extended advisory panels          | \$1,000 / hour    |
| Guidepoint Global          | Rapid-turnaround single consultations                    | \$1,000 / hour    |
| Direct Advisory Retainer   | C2C — ongoing institutional advisory                     | Contact for terms |

Download the Advisor Capabilities Brief PDF for full compliance details. | Request a consultation through GLG, AlphaSights, or Guidepoint today.