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Omdia Go-to-Market Telecom: 2027 Research Calendar

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TEAM FOCUS

The Omdia Go-to-Market (GTM) Telecom team is a group of experienced and well-respected industry analysts that specializes in authoritative global technology research, custom content and consultancy services focused on service provider networking.

We provide valuable GTM data and deep network insights combined with media reach and impact in partnership with Informa TechTarget's Light Reading.

Our foundational products and services include:

- Single-sponsor and multi-sponsor research surveys
- White papers and unbiased strategy papers
- Blogs, analyst notes and short media/video content
- Independent strategy presentations to vendor user groups and operator executive teams
- Event and webinar moderation and presentations
- Integrated research and media programs for amplification and reach into service provider buyers
- Design and execution of custom research projects
- Synthesized research that combines survey data with in-depth service provider interviews or case studies



CLOUD AND SECURITY

AI is redefining how communication service providers (CSPs) deliver, scale, manage and secure their cloud and core networks. The impact will become more pronounced in 2027 as commercial deployments scale, new AI threats emerge and CSPs continue to battle to monetize the cloud.

Key cloud and security network trends for 2027:

- **Leveraging AI to enhance customer experience (CX)** by shifting to proactive customer enhancing policies and data management.
- **Increased business case scrutiny** on AI network, cloud and security network investment.
- **Implementing advanced Orchestration and Service Assurance** to ensure a consistent service outcome for multi-domain services.
- **A renewed focus on security in the AI Era.** Creating strategic plans for SOC evolution that reflects the impacts of AI as well as quantum computing on data sharing network interfaces as well as documenting initial 6G security requirements.
- **EDGE renaissance.** Documenting how AI and the shift to autonomous networks is driving CSPs to revisit and recommit to deploying intelligence at the EDGE.

The Omdia GTM Telecom team's Cloud and Security practice documents the multi-layer impacts of cloud and AI based network transformation on CSP network evolution and technology deployment strategies.



JIM HODGES
Senior Research Director
Cloud and Security

Jim leads Omdia's research focused on the application and security impact of cloud technologies evolution. His research centers on the security implications introduced by cloud-based technologies and on the orchestration and service assurance implications to support and monetize API-based cloud-native services.

Jim previously worked at Nortel Networks, where he focused on mobile standards development and VoIP network evolution. He also performed network planning and regulatory roles at Bell Canada and Stentor Canadian Network Management (SCNM).

CLOUD & SECURITY: RESEARCH CALENDAR

Quarter	Project	Project type
Q1	SOC Evolution in the Autonomous Era	Custom Survey and Report
Q2	Getting Ready for Quantum – Core, Cloud, and RAN Interface Strategies	Custom Survey and Report
Q2	EDGE 2.0 – AI and Autonomous Readiness	Custom Survey and Report
Q2	The Telco AI Business Case – Dollars and Sense Beyond the Hype Cycle	Market Leadership Program
Q3	Orchestration and Service Assurance for Cloud Services	Custom Survey and Report
Q4	AI-enabled CX	Market Leadership Program
Q4	HFC Operator Network Evolution and PON Strategies	Custom Survey and Report
Q4	Scoping out 6G security requirements	Content Creation (Webinar + Whitepaper)

MOBILE NETWORK STRATEGY

With 5G standalone (SA) now widely available, the mobile sector is poised to enter a new economic phase as operators monetize the service-aware networks that underpin connected industries worldwide.

Key mobile network trends for 2027:

- **Extension of 5G SA and 5G Advanced capabilities** to deliver differentiated SLA-backed services, network slicing, developer APIs, locations services, sensing, XR devices, Agentic AI and 5G RedCap.
- **AI for mobile networks.** AI impacts every layer of the technology and service stack, from silicon and platforms through to data frameworks, and autonomous network management. Agentic operations drive cross domain service delivery.
- **Agentic services and network compute** are redefining topologies and connectivity architecture. Inference economics and latency requires compute to scale across the device-edge-core continuum.
- **6G on the horizon.** Key decisions on spectrum and standardization are now in play with deep implications for next-generation technology choices, deployment architectures, and end user services.

Our mobile networks research spans the technology and services ecosystem. We identify, and help define, the key technologies that deliver superior mobile network economics and compelling services.



GABRIEL BROWN
Senior Principal Analyst
Mobile Networks

Gabriel leads mobile network research for Omdia Go-to-Market. He covers mobile network system architecture, including RAN, core, and service layer platforms. Key research topics include 5G/6G, open AI RAN, 5G SA core, and cloud infrastructure for mobile networking.

Gabriel has more than 20 years of experience as a mobile network analyst. Prior to joining Omdia, he led mobile network research at Heavy Reading and was chief analyst for Light Reading's Insider research service. Before that, he was editor of IP Wireline and Wireless Week at London's Euromoney Institutional Investor.



RUTH BROWN
Senior Principal Analyst
Mobile Networks

Bringing over 20 years of experience in mobile and fixed network research and design from her time at BT, Ruth is a leading authority on network evolution at Omdia. Her comprehensive knowledge, developed through hands-on leadership, spans system architecture, core network technologies, and services. A prolific inventor with over 50 mobile network technology patents, Ruth is also a passionate advocate for women in engineering.

Ruth provides insights on mobile network and RAN automation, data layer, analytics, AI, 5G/6G and Wi-Fi. Her coverage explores leveraging new network capabilities for efficiency, differentiated services and new revenue streams.

MOBILE NETWORKS: RESEARCH CALENDAR



GABRIEL BROWN
Senior Principal Analyst
Mobile Networks

Quarter	Project	Project type
Q1	MWC Telco AI Operator Survey	Multi-sponsor Survey and ebook
Q1	Agentic Mobile Services	Content Creation (Webinar + Whitepaper)
Q2	5G Network Slicing, Premium Connectivity and Monetization	Market Leadership Program
Q2	6G Deployment and Migration Architecture	Content Creation (Webinar + Whitepaper)
Q2	Mobile Critical Communications	Content Creation (Webinar + Whitepaper)
Q3	Next-gen Core Platforms / 6G Core	Content Creation (Webinar + Whitepaper)
Q3	Mobile Transport: From Backhaul to Network Compute and Inferencing	Content Creation (Webinar + Whitepaper)
Q3	AI RAN Operator Survey	Market Leadership Program
Q4	Neutral Hosts for In-building and Venue Networks	Content Creation (Webinar + Whitepaper)

MOBILE NETWORKS: RESEARCH CALENDAR



RUTH BROWN
Senior Principal Analyst
Mobile Networks

Quarter	Project	Project type
Q1	Operationalizing Agentic AI and Data Architectures for Autonomous Networks	Content Creation (Webinar + Whitepaper)
Q1	Next-gen Core: AI-native Mobile Networks	Content Creation (Webinar + Whitepaper)
Q2	Telco Tokenomics: Optimizing Edge Inferencing	Content Creation (Webinar + Whitepaper)
Q3	Delivering Ultra High Reliability with Wi-Fi 8	Market Leadership Program
Q3	Satellite/NTN for Resilient Enterprise Networking	Content Creation (Webinar + Whitepaper)
Q4	Telco AI Guardrails & Sovereign Control	Market Leadership Program
Q4	AI-driven Wi-Fi for Enterprise and Campus Networks	Custom Survey
Q4	One Infrastructure: Fusing Fixed, Edge and Mobile Networks for the AI Era	Content Creation (Webinar + Whitepaper)

OPTICAL NETWORKS & TRANSPORT

Transport networks form the foundation on top of which all types of network services run, including fixed and mobile and residential, business, and wholesale. Omdia's Optical Networks & Transport practice covers the global optical networking market primarily from an optical systems perspective.

Key optical networks & transport trends for 2027:

- **AI inferencing has reached an inflection point**, creating new revenue opportunities for communications service providers (CSPs) serving enterprises. In 2027, CSPs will hone their strategies and networks to make money from AI inferencing.
- **Beyond coherent transponders**, the entire optical network must evolve to support AI's capacity and performance demands, including optical line systems and the optical fibers themselves. AI-driven innovations include compact multi-rail optical line systems and ultra-low latency hollow core fibers.
- **Quantum safe is an emerging networking requirement** among leading-edge users such as governments, financial institutions, and critical infrastructure. Quantum key distribution (QKD) and post quantum cryptography (PQC) are critical tools.
- **CSPs are pursuing dual AI and automation investment strategies:** 1. deploying AI-driven network automation to improve operations and 2. automating service delivery to generate new enterprise revenue streams.



STERLING PERRIN
Senior Principal Analyst
Optical Networks & Transport

Sterling has more than 25 years of experience in telecommunications as an industry analyst and journalist.

At Omdia, he covers optical networking, including coherent optical systems, IP over DWDM, data center interconnect (DCI), and artificial intelligence (AI) and automation for transport networks.

Sterling joined Omdia after five years at IDC, where he served as lead optical networks analyst. In addition to chairing and moderating many Light Reading and Informa events, he is a past member of OFC's Market Watch Committee. Sterling is a highly sought-after source among the business and trade press.

OPTICAL NETWORKS & TRANSPORT: RESEARCH CALENDAR

Quarter	Project	Project type
Q1	Open and Disaggregated Transport Network Architectures	Whitepaper
Q1	CSP Transport Opportunities for the AI Boom	Market Leadership Program
Q2	Next-Gen Fiber and Optical Line System Requirements for AI	Content Creation (Webinar + Whitepaper)
Q2	Optical Networks to Support Critical Communications	Custom Survey and Report
Q3	Key Attributes and Performance Requirements for Scale Across Networks	Content Creation (Webinar + Whitepaper)
Q3	Building Quantum Safe Transport Networks	Market Leadership Program
Q4	AI + Automation for Transport Networks	Custom Survey and Report
Q4	Power Optimization Strategies for High-Capacity Optical Networks	Content Creation (Webinar + Whitepaper)

COMPONENTS & SUBSYSTEMS

Optical modules, semiconductors, and subsystems define the performance and capabilities of every cloud networking and data center system.

Key components & subsystems trends for 2027:

- Demands for AI data centers will drive the whole components industry through 2027 with significant competition between proprietary and open solutions
- Scale out and scale across networking in and between AI data centers is driving massive growth in the deployment of 800G and 1.6T optical modules to support services built on agentic AI and large language models.
- A new generation of optical solutions is being developed to take AI scale up networking from 72 GPUs in a rack to many thousands of directly connected AI accelerators in 100's of racks. Key technologies include co-packaged and near-packaged optics, optical circuit switching and new link protocols that support optical and copper connections
- AI-RAN is promising a smooth path to 6G through the deployment of disaggregated RAN platforms with integrated AI processing capabilities.

Omdia's Components & Subsystems coverage spans developments that are crucial for the delivery of next-generation AI, networking, and data center technologies. We identify and explain the key technology and industry trends that will drive growth.



SIMON STANLEY
Analyst at Large
Components & Subsystems

Simon is the founder and principal consultant at Earlswood Marketing Ltd., an independent market analyst and consulting company based in the UK.

Simon's research covers a variety of communications-related subjects, including AI cluster networking, 5G, 6G, open RAN, AI-RAN 400G/800G/1.2T/1.6T technology, coherent pluggable optics, AI processing, IoT, Open Compute, smart NICs, uCPE, multicore processors, and switching.

COMPONENTS & SUBSYSTEMS: RESEARCH CALENDAR

Quarter	Project	Project type
Q1	Expanding the Role of AI and Automation at the Telco Edge	Custom Survey
Q2	Scale-up Networking for AI Data Centers	Market Leadership Program
Q2	Optical Switching for AI Data Centers	White Paper / Webinar
Q3	Platforms for 6G and AI-RAN Systems	Market Leadership Program
Q3	CPO and NPO Strategies for AI Data Centers	Content Creation (Webinar + Whitepaper)
Q4	Scale Across Networking for the Agentic AI Era	Custom Survey



Thank you

Get in touch with Omdia

