11:40–11:55 | Evolution to a Secure Intelligent Network

ANDREW FOERSTNER

Director, Edge, SASE & Wifi

AT&T

Enterprise Network Evolution: From Static to Autonomous

Driving agility, security, and automation for next-gen enterprises

Static

Costly & Rigid

- Frame relay
- Copper broadband
- Manual configurations
- Limited scalability
- Local control logic
- Protracted MTTR
- Kb

1990 - 2005

Dynamic

Reliable but complex

- MPLS
- Fiber expansion
- Broadband acceleration
- NFV & SDN concepts
- Multiple control planes
- Improved MTTR
- Mb

2005 – 2015

Intelligent

Agile & Secure

- ECOMP-> ONAP
- SD-WAN
- SASE
- 4G/5G FWA
- Integrated security
- Centralized orchestration
- Gb

2015 – 2025

Autonomous

Predictive & self-healing

- AIOps
- Agentic AI
- Cognitive
- 5G convergence
- Digital Twin
- Local inferencing
- Self-healing networks
- Intent -native
- Tb

2026+

"The future is autonomous, adaptive, infinitely scalable."

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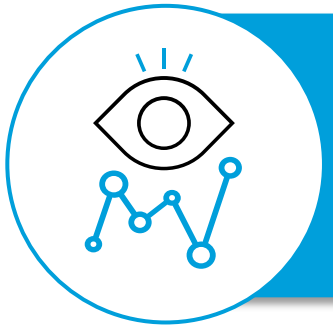
SDWAN & SASE Key Industry Trends

Observations and insights for Secure Intelligent Networking

Market & Strategy

- SASE Market Stabilization
- Convergence & diversity of transport
- Single-Vendor vs. Multi-Vendor SASE

Technology Evolution

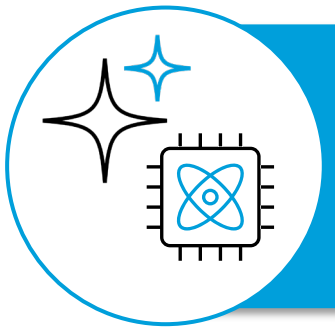


- The importance of the network edge
- Edge Compute reenters the conversation
- Observability ->Digital Experience Management

Security & Access

- Zero Trust by Default
- Managed SASE Services accelerate
- Adaptive Policy Enforcement

AI & Automation



- AI Everywhere
- Natural Language Business Intent Overlays
- Embedded AI Networking Assistants

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AT&T Secure Intelligent Networking

How is AT&T delivering on this vision?

AT&T Edge & Wifi Solutions

- **Comprehensive portfolio of network optimization** options to enhance performance and reliability.
- **Supports advanced edge compute** on AI-ready infrastructure.
- **Enables next-generation connectivity** for modern applications and services

AT&T SSE & SASE Solutions

- **Zero Trust Security** Combines SWG, FWaaS, CASB, and DLP in a cloud-native framework.
- **Modular Architecture** Adapts to security maturity and deployment needs.
- **Flexible Adoption** Supports phased implementation for enterprises.

AT&T Intelligent Operations

- **Real-time event monitoring** with cross-platform correlation, using machine learning to detect anomalies and alert AT&T operations.
- **AI-driven analysis** quickly identifies root causes and recommends corrective actions.
- Correlates data from multiple sources to deliver **comprehensive operational insights**

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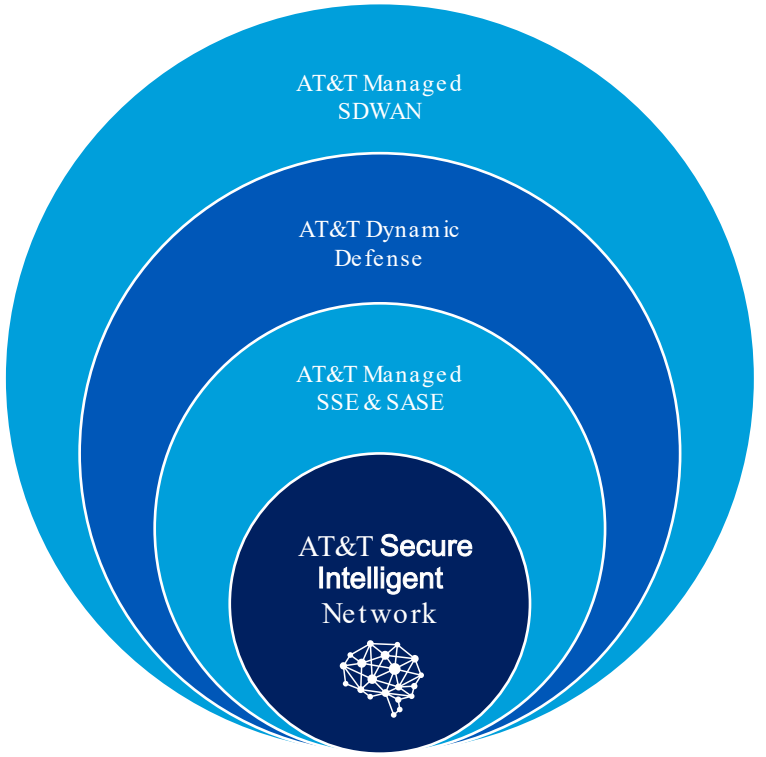
What comes after SASE?

Network embedded Threat Intelligence…..

AT&T Dynamic Defense ™

Augments SSE/ SASE deployments by embedding threat detection, traffic filtering, and policy enforcement directly into AT&T's network fabric -enabling proactive security controls before traffic reaches the enterprise perimeter

- Enhanced security with AT&T transport
- Reduces malicious traffic before it reaches the customer edge
- AT&T Threat Intelligence can provide IP filtering for up to 150K malicious IP's
- ~30 minute onboarding process
- No additional hardware
- Comprehensive Edge to Edge Security
- Standards and Certification based SDWAN & SASE (MEF 117 & 118)



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GNE
Global NaaS Event