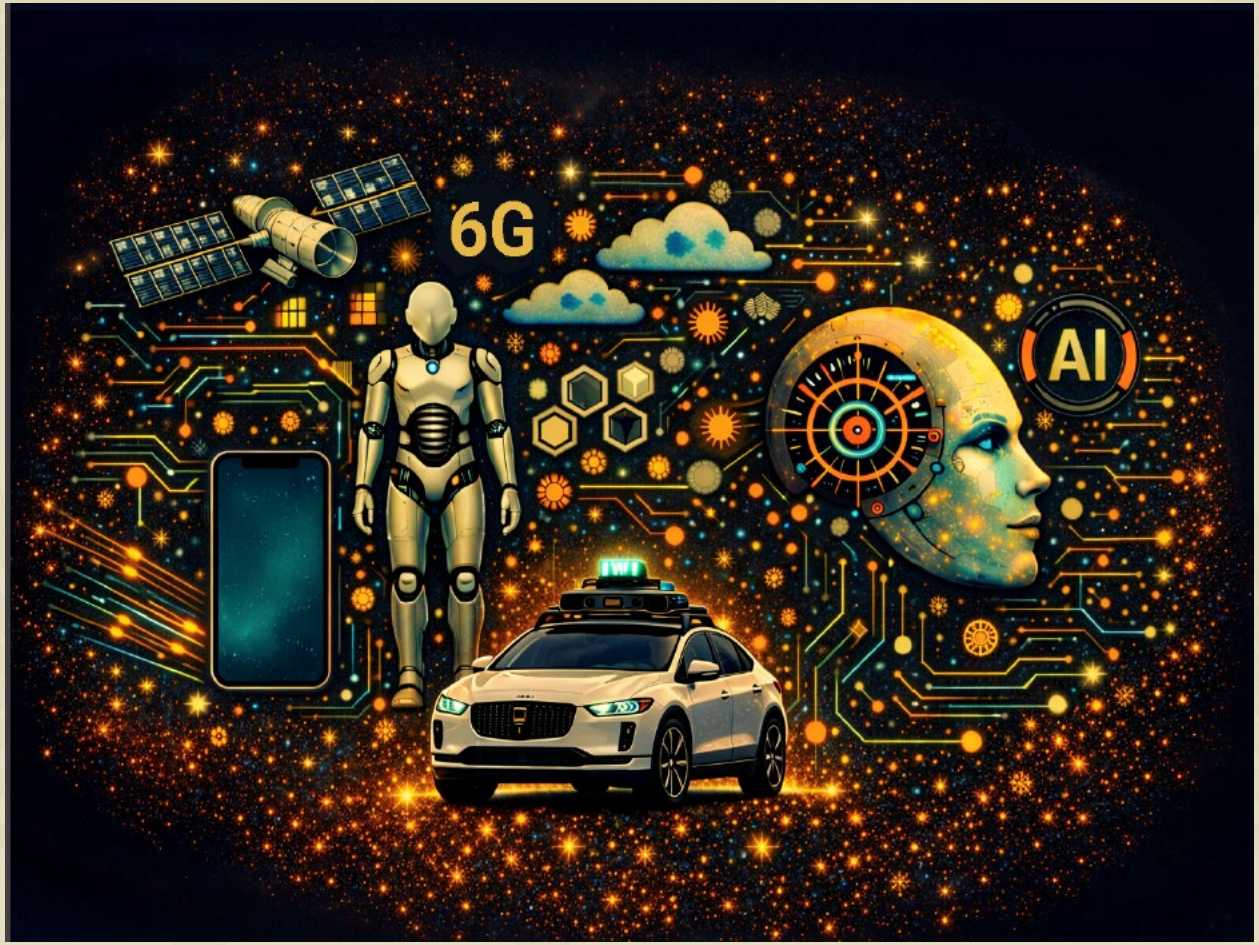
OANF

Open Access Network Forum

An ATIS Initiative

February 26, 2026

Welcome to the Inaugural OANF Meeting



With a broad portfolio, ATIS has long been the place where the ICT industry comes together to shape the future, solve shared challenges, and align on strategic opportunities.

The OANF is a prime example of how ATIS is advancing ICT industry transformation by helping simplify service enablement in open-access environments.

Thank you for joining us today.

Welcome and Leadership Introductions

Welcome & Meeting Objectives

OANF brings together the open access ecosystem to enable scalable, interoperable open access deployments across North America.

Today's focus:

> OANF mission and scope

> Initial technical priorities and deliverables

> Participation and next steps

*Please post questions in the Teams chat

OANF Leadership

Chair

Scott Baker

Expert Solution Architect

AT&T Corporate ServiceNow Platform Architecture

AT&T Technology Services

Vice Chair

Sajan Parikh

Chief Technology Officer

COS Systems

ATIS Technical Leads

Carroll Gray-Preston

Vice President Innovation

Roberto Yanez

Principal Technologist

Mission, Scope, and Value Proposition

Open Access Network Forum (OANF)

- The Open Access Network Forum (OANF) brings together industry stakeholders to develop deployable, interoperable technical standards and a practical commercial playbook for open-access networks (e.g., fiber and fixed wireless) in North America.
- OANF provides a collaborative forum to align technical, operational, and commercial practices; identify gaps; and produce implementation guidance that reduces integration friction, supports scalable deployment, and accelerates adoption across the North American market.

Objectives

Establish A Common Foundation

Align business, operational, and technical requirements across infrastructure and service interoperability models for open-access networks in North America.

Deliver Practical Implementation Assets

Define shared APIs, provisioning and assurance workflows to reduce bespoke integrations between ISPs and OAPs.

Ensure Standards Compatibility

Coordinate with Broadband Forum, TM Forum, and other relevant bodies to ensure interoperability, avoid duplication, and accelerate system-level adoption.

Enable Industry Execution

Provide reference architectures and guidance that move open access from concept to deployable implementation.

Outcome -> Reduced integration cost and time-to-market, enabling scalable open-access deployments that expand network reach and consumer choice.

Benefits of Participation

- Influence the North American open access interoperability baseline
- Reduce bespoke integration and accelerate onboarding across partners
- Help shape profiles that are implementable inside OSS/BSS stacks
- Define and align on operational demarcation (activation, assurance, SLA, escalation)
- Accelerate deployments through shared playbooks and reference flows
- Network with key operators, OAPs, ISPs, integrators, and ecosystem partners
- Establish industry KPIs

OANF – Architecture Overview

Standardized interfaces between ISP and OAP systems

Product & Catalog | Service & Inventory | Usage & Billing | Qualification & Order | Assurance & Trouble

OAP–ISP Wholesale Access Service
OSS/BSS Boundary

OSS/BSS LAYER

ISP OSS / BSS

- Product & Pricing
- Order Management
- Retail Billing & Invoicing
- Customer Support

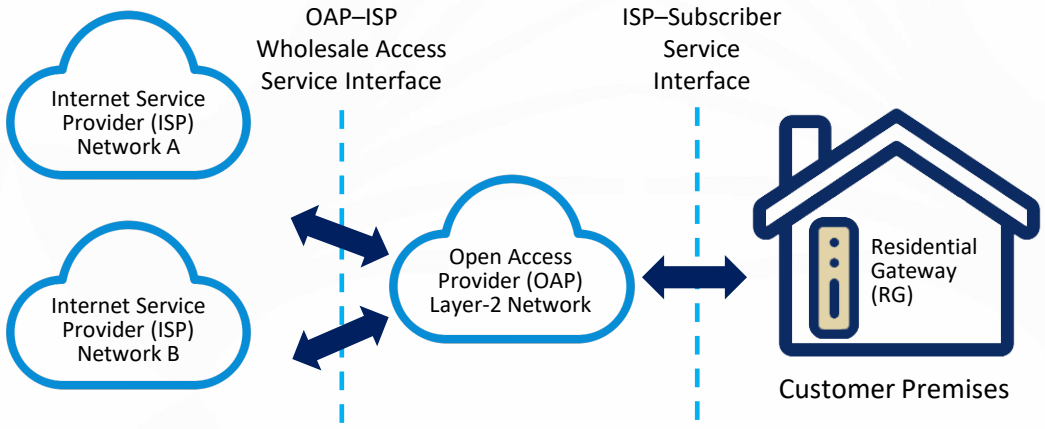
OAP OSS / BSS

- Wholesale Products
- Service Orchestration
- SLA Monitoring & Usage Records

Order, Bill, Support

Fulfill, Assure, Report

NETWORK LAYER

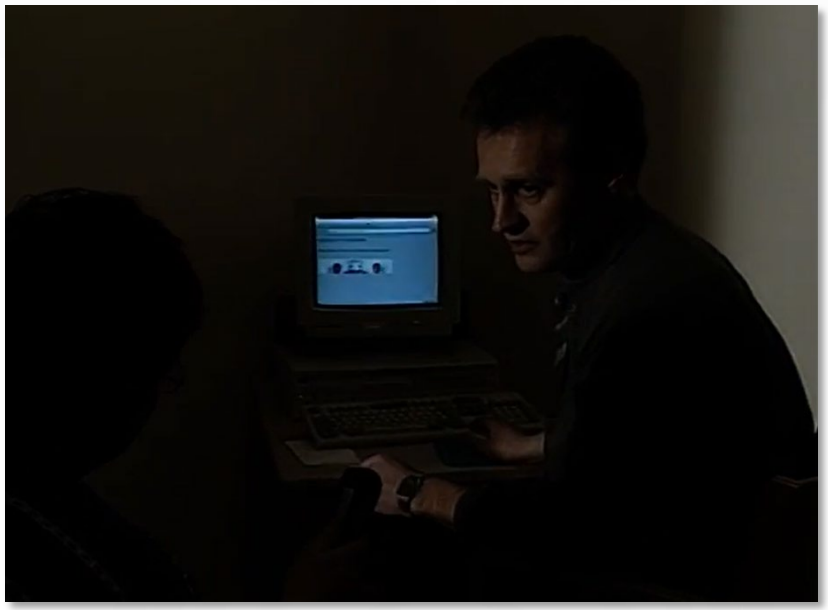


Logical architecture shown; physical deployment models and API implementations may vary.

Open Access as a Viable Business Model

Open Access as a Viable Business Model

Isak Finer
CRO COS Systems
BSS/OSS



SVT, Swedish Television, Nordnytt 10pm, 2-28-1995

From Umea, Sweden

First FTTH customers in the country in 1994

Open Access since mid 2000's

Open Access as a Viable Business Model

Think of an airport:

it is built and maintained by one entity that doesn't operate the airplanes using it

Open Access as a Viable Business Model

It would be impractical and costly for each airline to build and operate its own airports and the same goes for fiber networks.

Open Access as a Viable Business Model

- Open Access is:
  - not about public vs private
  - not about a race to the bottom
  - **about making money** (or saving money)

Open Access as a Viable Business Model

- FTTH is a take-rate game
- Build cost must be covered by paying subscribers
- Higher take-rates mean bigger profits

- As a **fiber network owner** - would you rather have;
  - 1000 subs paying $50 = $50 000, or
  - 300 subs paying $100 = $30 000
- As a **service provider** - would you rather have;
  - 500 subs paying $50 = $25 000, or
  - 0 subs paying $100 = $0

Open Access as a Viable Business Model

- Open Access *can* be a viable business model since
  - **The operator** (and/or owner) specializes in operations and will not have to care about subscribers and related opex.
  - With more service offerings on the network, take-rates and wholesale revenue will be higher
  - **The service provider** will specialize in service delivery and will not have to cover all the operational cost and no capex
  - Can enter markets where building fiber is cost prohibitive

Open Access as a Viable Business Model

- Aviation works since it's built on standards and common operating procedures → trust
- Open Access works becuse of the same reasons
- For greater adoption and higher profitability this ATIS initiative is what is needed, since it's about;
  - Standards
  - Common operating procedures
  - Trust

Roles, Responsibilities, and Real-World Considerations

Roles & Responsibilities in Open Access

Primary Roles

- **Infrastructure Owner**
  - Owns the physical assets; responsible for long-term investment
- **Open Access Provider (OAP)**
  - Operates the wholesale access platform and exposes standardized interfaces
- **Internet Service Provider (ISP)**
  - Delivers retail services to end subscribers
- **Aggregator / Neutral Host** *(where applicable)*
  - Aggregates access across multiple OAPs or regions

Secondary Roles

- **Field Operations Provider**
  - Performs on-site installation, maintenance, and repair (delegated role)
- **Equipment Provider**
  - Supplies network elements and platforms
- **Systems Provider / Integrator**
  - Delivers OSS/BSS platforms and integration

How OANF Will Work

How We Work

- Structured workstreams with agreed milestone targets
- Architecture-led + flow-led method:
  - Define minimum reference views (network + OSS/BSS integration)
  - Define end-to-end lifecycle process flows
  - Profile APIs, state models, and error semantics to ensure consistent implementations and reduce integration variability
  - Validate with member feedback
- Outputs designed to be implemented across OAPs, ISPs, and vendors

Initial Technical Workstreams

- Reference Architecture & Roles
- API & Workflow Profiles (interoperable implementation profiles)
- Provisioning & Activation Models (including construction readiness and fallouts)
- Assurance, SLA & Operational Metrics (wholesale demarcation and reporting)
- Commercial & Settlement Interfaces (technical enablement for reconciliation)
- Interoperability Guidance

Technical Baseline and Initial Deliverables

Leveraging Baseline Standards Alignment (Starting Point)

- TM Forum Open Digital Architecture (ODA)
- TM Forum Open APIs (e.g., ordering, inventory, assurance, billing/settlement interfaces)
- Broadband Forum TR-370
- Other reference inputs: existing NA wholesale/open access operating models
- OANF will document what is used as-is vs profiled vs requiring gap closure

Planned Deliverables (Initial Releases)

- OANF Reference Architecture: logical + functional views aligned to open access roles
- OANF API & Workflow Profiles: field definition, mandatory fields, state transitions, error handling, traceability
- Lifecycle Process Flow: swim-lanes + state models + event triggers
- North American Gap Assessment: standards alignment + NA gap-closure roadmap
- Implementation Playbooks: repeatable onboarding and deployment guidance by scenario
- Interoperability Guidance

Minimum Reference Views

- Role & responsibility model
  - Primary Roles
    - Infrastructure Owner
    - Open Access Provider (OAP)
    - Internet Service Provider (ISP)
    - Aggregator / Neutral Host (where applicable)
  - Supporting Roles
    - Equipment Provider
    - Systems Provider / Integrator
    - Field Operations Provider - Field operations are a delegated responsibility, performed by the OAP, the ISP, or a contracted third party, depending on the commercial arrangement
- Network reference architecture view (demarcation points and service abstraction)
- OSS/BSS integration view (system-to-system interfaces and ownership)
- End-to-end lifecycle process flows (order → activate → assure → bill/settle)

Discussion + Q&A

Next Steps and Call to Action

How to Get Involved

OANF is membership-based and open to ATIS and non-ATIS participants committed to advancing interoperable, implementation-ready open access guidance for North America

Submit a Membership Application

> Learn More: oanf.atis.org

Next Meeting

OANF Member Working Session #1

March 19, 2026 | 10:00 AM – 11:30 AM ET

Session Objectives:

> Review and confirm operating procedures
> Define initial workstreams and scope
> Establish near-term milestones and cadence

ADVANCING INDUSTRY TRANSFORMATION

www.atis.org