



TM Forum Open APIs Conformance Certification

Company Name:

6D Technologies

TM Forum Open API Name:

TMF915 - AI Management

TM Forum Open API Release Version:

4.0.0

Date: 17/06/2026

1. What Product or Solution does your API support?

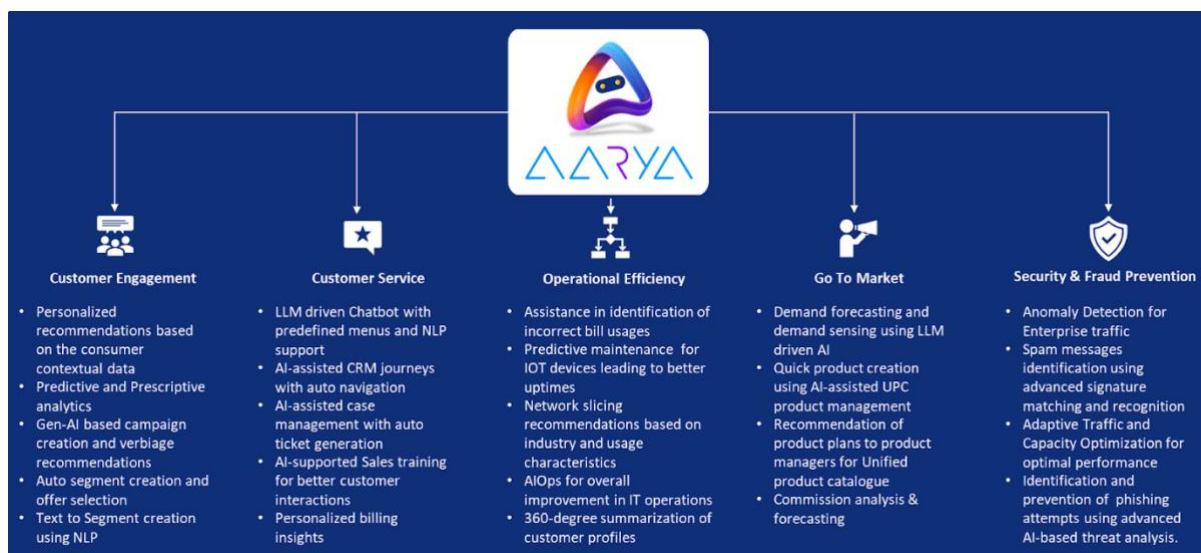
The **6D AI Fabric AARYA** is an enterprise-grade, AI-powered digital intelligence layer designed to transform user experiences, optimize operational processes, and accelerate business outcomes across the telecom and digital service ecosystem. It is domain-agnostic—equally capable of addressing **Customer Engagement, Customer Service, Operational Efficiency, Go To Market, Security & Fraud Prevention** use cases through contextual intelligence and adaptive automation.

At its core, **AI Platform** integrates state-of-the-art **Large Language Models (LLMs)** and **Natural Language Processing (NLP)** to deliver human-like conversational interfaces, predictive analytics, and prescriptive decision support. Whether engaging with customers through digital touchpoints, guiding field technicians in service activation, or correlating assurance events, the platform provides a unified intelligence foundation that learns, reasons, and acts across functions.

The platform's modular architecture embeds seamlessly within existing ecosystems—web and mobile portals, CRM, OSS/BSS systems, social channels, and data lakes—enabling real-time, context-aware interactions. Its **intelligent orchestration layer** dynamically interprets user or system intents through a **Retrieval-Augmented Generation (RAG)** pipeline that blends structured data (RDBMS, data warehouses) with unstructured enterprise knowledge (Vector DB, document repositories) to ground responses in accurate, domain-specific context.

A **locally hosted LLaMA engine** ensures sensitive data and operational insights remain secure within the corporate perimeter, while optional **GPT-based integration** augments generative reasoning for open-ended, cross-domain scenarios. Comprehensive **access control, role-based security**, and **audit trails** guarantee adherence to enterprise governance and regulatory frameworks.

Designed for measurable impact across the telecom value chain, **AI Platform** drives:



Its predictive analytics layer delivers forward-looking insights—forecasting demand, identifying churn or fault patterns, and recommending preventive or upsell actions. Self-learning modules continuously refine response accuracy and operational efficiency, while configuration consoles enable rapid adaptation to industry-specific or enterprise-specific requirements.

Built on **TM Forum Open APIs, AI & Data Frameworks**, and the **Open Digital Architecture (ODA)**, the **AI Platform** is fully standards-aligned for interoperability and scalability. It supports **multi-domain orchestration**, **cross-system data exchange**, and **future-proof extensibility**—enabling CSPs, DSPs, and enterprises alike to evolve from rule-based automation to intent-driven operations.

Backed by 6D's team of data scientists, cloud architects, and MLOps specialists, the **AI Platform** provides secure, compliant, and continuously evolving AI capabilities. From proof-of-concept to enterprise rollout, 6D ensures full-lifecycle enablement—allowing organizations to harness AI responsibly to enhance customer experience, assure service quality, and achieve sustained operational excellence.

2. Overview of Certified API

The **AI Management API (TMF915)** standardizes the lifecycle management of AI assets and their operational governance within a digital service provider environment.

It provides a common model to define, deploy, monitor, and manage **AI Models, AI Contracts, Rules, and Alarms**, ensuring consistent control, accountability, and traceability of AI behaviour across systems.

This supports the following:

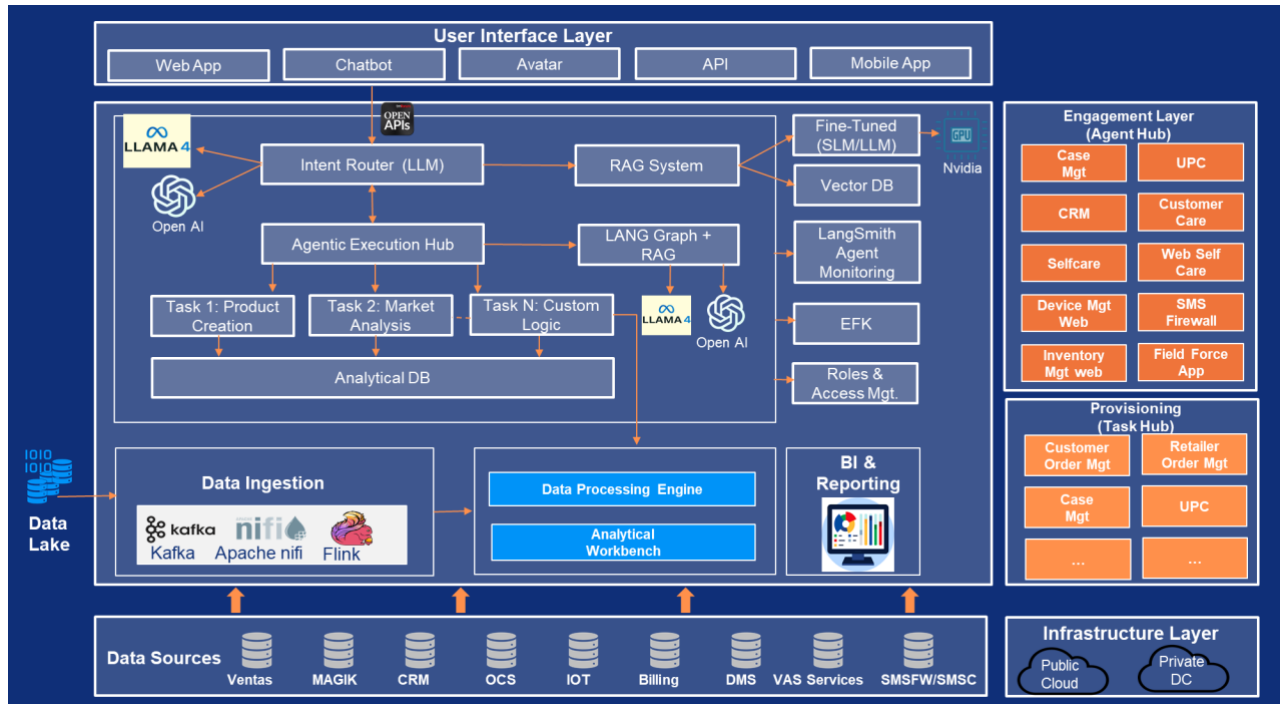
- **AI Model and Specification Management** – Create, retrieve, update, and delete AI model specifications and instances, including training, evaluation, and deployment metadata.
- **AI Contract Lifecycle Management** – Define, activate, and monitor AI contracts governing model usage, performance, and compliance parameters.
- **AI Rule and Threshold Management** – Establish algorithmic or simple threshold rules to enforce operational or ethical limits for AI decisions.
- **Monitoring and Event Tracking** – Capture AI-related events, alarms, and state transitions across the AI lifecycle.
- **Notifications and Hubs** – Support subscription-based notifications for state changes and anomaly detection events.

Sample Use Cases Supported through TMF915 AI Management API

- **AI Model Registration** – Records metadata, data lineage, and version details when a new AI model is introduced into the catalog.
- **Model Deployment Approval** – Manages workflow and documentation for model deployment readiness and governance checks.
- **AI Contract Activation** – Establishes a binding agreement between AI service provider and consuming system defining KPIs, SLAs, and governance rules.
- **Performance Monitoring and Alerts** – Tracks model drift, accuracy degradation, or violation of defined thresholds triggering automated alerts or retraining actions.

- **Rule-based Compliance Enforcement** – Applies configurable rules for bias detection or threshold breaches during runtime.
- **Model Decommissioning or Rollback** – Manages closure, archival, and compliance logging when an AI model version is retired or replaced.
- **Audit and Explainability Recordkeeping** – Links each model to training, evaluation, and contract documents for transparent AI lifecycle audits.

3. Architectural View



The above diagram gives a functional view of 6D AI Fabric AARYA that exposes AI Management API (TMF915) to external services.

4. Test Results

This API has been tested as part of end-to-end journeys/Business Processes as well as at API level in terms of Authentication & Authorization, Functionalities & Operations that are supported through this API.

Click here to view the test results: [6D-TMF915-HTMLReport.html](#)