

TM Forum Open APIs Conformance Certification



Company Name:

Tata Communications Transformation Services UK Ltd

Product Name and Release Version:

Neo AutomataTM – Cognitive NOC v3.1.1

TM Forum Open API Name and Release Version:

TMF915 – AI Management v4.0.0

Date: 8/10/2026

1. What Product or Solution does your API support?

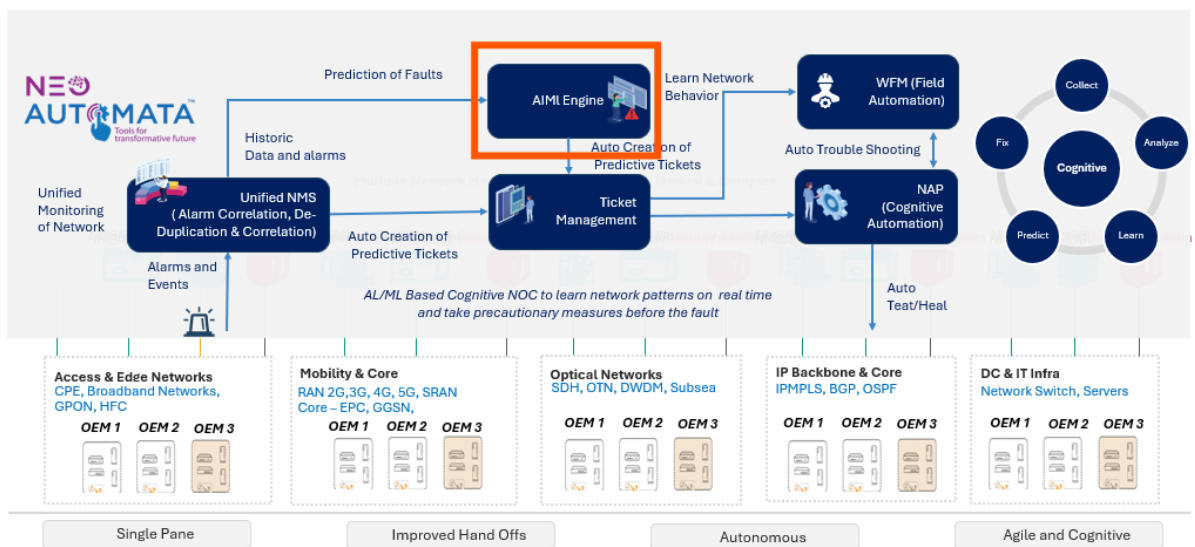
[Neo Automata™](#) is a comprehensive automation platform that enables cognitive, intent-driven network operations and seamless integration across connectivity domains.

[Cognitive NOC](#) is a suite within Neo Automata™ that delivers predictive and autonomous network operations capabilities, supporting the progression towards zero-touch operations and fully autonomous networks.

The AI/ML Engine is the AI platform within Cognitive NOC on which the TMF915 AI Management API runs. The API delivers robust governance for AI systems through model contracts that establish each AI model's operational dependencies, constraints, expected behaviour, monitoring conditions, and decisive actions to maintain compliant and reliable operation.

NEO AUTOMATA - Overview

TATA COMMUNICATIONS
TRANSFORMATION SERVICES



2. Overview of Certified API

TMF915 AI Management API in AI/ML Engine provides a standards-aligned interface for trustworthy, governed, and accountable AI operations. Enforceable model contracts define dependencies, constraints, guardrails, monitoring conditions, and control actions, ensuring compliance, observability, and auditable lifecycle evidence.

The API enables authorised consumers to manage and monitor model contracts covering model identity, lifecycle state, dependencies, resources, policies, constraints, and breach actions.

Its loosely coupled interface connects AI services, governance, assurance workflows, and AI/ML Engine components through a consistent, interoperable model-contract framework.

TMF915 API supports model-contract creation, retrieval, update, deletion, and notification, with governed details such as status, validity, thresholds, dependencies, constraints, and corrective actions.

The multi-tenant architecture ensures tenant isolation, configurable policies, role-based access, and scalable deployment across large network environments.

Lifecycle notifications keep governance and operational components current and enable timely intervention when contract conditions are breached.

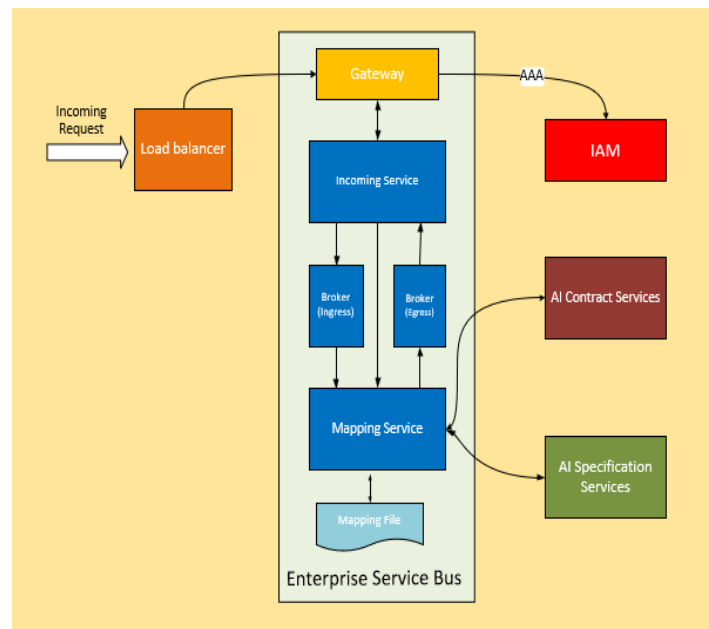
Built on interoperability, security, auditability, and policy-based control, TMF915 enables consistent AI governance at scale, with traceable evidence of authorised operation and required breach responses.

3. Architectural View

TMF915 AI Management API architecture follows a loosely coupled, service-oriented model aligned with TM Forum Open Digital Architecture principles. TMF915 acts as the standards-based contract between AI governance consumers, AI/ML Engine operational components, model owners, and AI-enabled services.

An authorised component creates or updates a model contract through the TMF915 AI Management API. The AI/ML Engine validates, stores, and links it to the governed model and resources. Monitoring components assess operating conditions against defined guardrails and trigger notification, escalation, remediation, restriction, or withdrawal when conditions are breached. Lifecycle events are published to subscribers, ensuring end-to-end visibility, policy control, and auditable evidence.

- Standalone Microservices are created as part of Enterprise Service Bus.
- Incoming requests are mapped with API mappings.
- Outgoing responses are then mapped back for outgoing field mappings.
- Through the mappings, underlying interfaces are enabled supporting Open API standards.
- Example: Regardless of any legacy interface of customer, services will start supporting standard Services using Open APIs.



4. Test Results

Click here to view the test results: [TCS-NeoAutomata-TMF915-v4-HTMLResults.html](#)