TM Forum Open APIs Conformance Certification

*Company Name: **ZTE Corporation***

TM Forum Open API Name:
TMF921 - Intent Management

*TM Forum Open API Release Version:**5.0.0***

Report Date: *05/September/2025*

1.   What Product or Solution does your API support?

ZTE **AIR Net - RNIA** radio network intelligence analytics platform is used to trace the whole process of the *Intent Management* in the network O&M process and provide the duty management and maintenance operation plan.

The **AIR Net - RNIA** provides a comprehensive O&M function to collect statistics on network-wide *Intent Management*, trouble shooting, assets, and spare parts and output reports. In addition, the intelligence analytics platform focuses on the application of smart terminals on the O&M platform to improve O&M efficiency and quality.
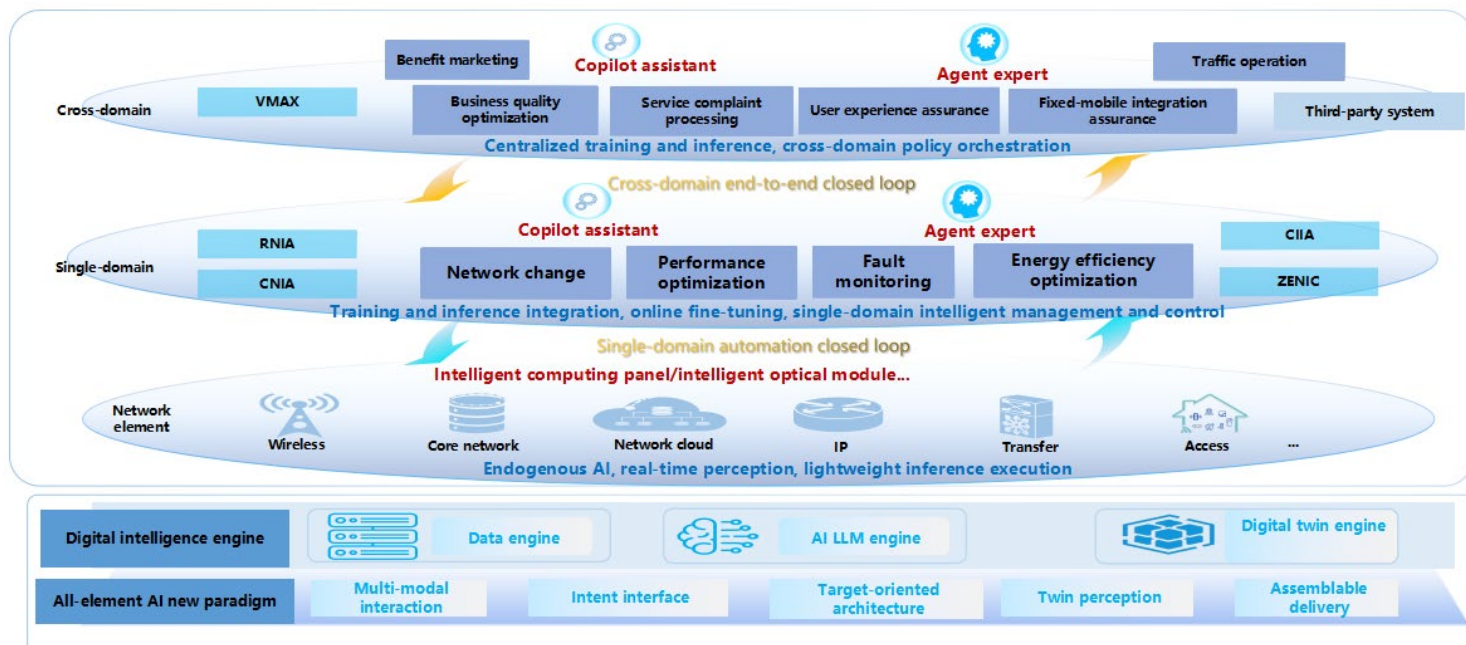
2.   Overview of Certified API

The *Intent Management* API is a core capability of the RNIA system, designed to declare, negotiate and orchestrate service requirements between network owners and service providers. Intent management enables automated coordination of business objectives with network capabilities through structured contracts, which defines what needs to be achieved rather than specifying implementation details.

By enabling policy-based automation and cognitive decision-making, the API helps reduce manual operations while maintaining service-level commitments. Its conflict resolution mechanism ensures multi-domain collaboration efficiency, minimizing service deployment cycles from weeks to hours. The declarative approach also enhances network adaptability, allowing dynamic intent adjustments to cope with changing service requirements without rearchitecting infrastructure.
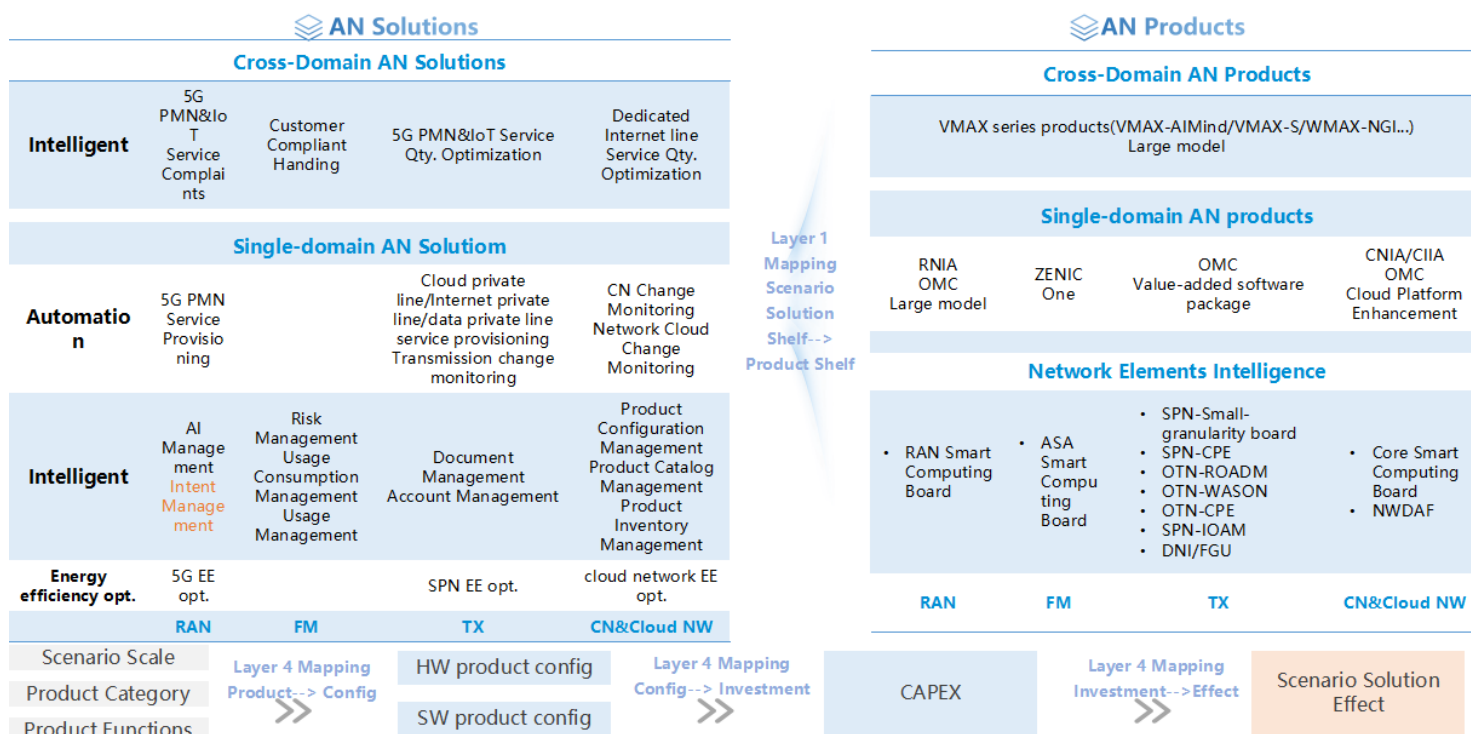
This API perform the following operations:
- Create a New Intent Ticket
- Get List of Intent Ticket
- Get a specific Deatail of Intent Ticket
- Update a specific Intent Ticket
- Delete a specific Intent Ticket

# 3.	AIR Net Architectural View

Based on the overall architecture of the AN (Autonomous Network) system, it illustrates the mapping relationships from solutions to products across different layers. The content covers AN capabilities, products, and deployment effects in both cross-domain and single-domain scenarios.

- New paradigm for all-element AI

    This layer provides the basic framework for AI. It includes Multi-modal interaction, Intent interface, Target-oriented architecture, Twin perception,Assemble delivery.

- Digital intelligence engine

    This layer provides computational support, integrating various high-performance training and inference engine frameworks, with built-in algorithm packages and inference packages, directly supporting various perception and cognition tasks, facilitating rapid deployment and invocation.

- Service domains

    The business domain includes network element entities, single-domain management layers, and cross-domain management layers. The management layer deploys copilot assistant to call AI components and provides expert agent to enhance O&M capabilities. It achieves end-to-end autonomous network closed loop.

4.   Test Results

Click here to view the test results: <u>ZTE-TMF921-HTMLReport.html</u>