TM Forum Open APIs

Conformance Certification

Company Name: Vodafone Group (Reference Implementation)

TM Forum Open API Name: 
TMF657 – Service Quality Management

TM Forum Open API Release Version: 4.0.0

Report Date: 26/01/2024
1. **What Product or Solution does your API support?**

   Provides standardized mechanism for the management of service quality.

2. **Overview of Certified API**

   Through this API, any Enterprise is able to access a Service Quality Management application and extract Service Level Specifications and associated Service Level Objectives (SLO) and their thresholds.

**Key Features**

- List service level objectives
- Update service level objectives
- List or find service level specifications
- Update service level specifications
3. **Architectural View**

Frontend channels/application that invokes TMF657 Service Quality Management API exposed via an API Management layer. Request traverses the TMF microservice layer towards the secure backend system to manage the service.
4. **Test Results**

Comprehensive functional and non-functional testing techniques were employed during the evaluation of the API. This rigorous testing process encompassed various aspects, including authentication, authorization, and the overall API functionality.

The API underwent thorough functional testing to ensure that all interface operations performed as expected. Test cases were designed to validate the accuracy and completeness of the retrieved data.

Non-functional aspects were validated ensuring encompassed performance testing, which assessed the API's response time, scalability, and overall system load handling capacity. Additionally, security testing was conducted to identify and mitigate vulnerabilities that could potentially compromise the API's security posture.

The conformance verification process for the REST API successfully validated its functionality, security, and alignment with the Business Process Framework. The rigorous testing procedures, including authentication, authorization, functional, and non-functional testing, ensure that the API is robust, secure, and capable of providing service quality management mechanism.

For any inquiries or further details about this conformance verification report, please contact the Digital Engineering team of Vodafone Group.

Click here to view the test results: VODAFONE-TMF657RW-HTMLResults.html