TM Forum Open APIs

Conformance Certification

Company Name: Vodafone Group (Reference Implementation)

TM Forum Open API Name: TMF653 - Service Test Management

TM Forum Open API Release Version: 4.1.0

Report Date: 29/09/2023
1. **What Product or Solution does your API support?**

The Service Test API provides a standardized mechanism for placing a service test with all the necessary test parameters. The API consists of a simple set of operations that interact with CRM/Service Management systems in a consistent manner. A service test is a procedure intended to check the quality, performance, or reliability of a service.

**Use case:**
This API may be used by consumer applications/systems/admins to test services of a system that provides a consistent standardized mechanism to check performance, reliability and quality of a service.

2. **Overview of Certified API**

The Service Test API provides a standardized mechanism for placing a service test with all the necessary test parameters. The API consists of a simple set of operations that interact with CRM/Service Management systems in a consistent manner. A service test is a procedure intended to check the quality, performance, or reliability of a service.

3. **Architectural View**

Frontend channels/application that invokes TMF653 Service Test Management API exposed via an API Management layer. Request traverses the TMF microservice layer towards the secure backend system to retrieve the change requests.
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 accurate and aggregated product data for various user entities.

In conclusion, TMF653 Service Test Management API v4.1.0 serves as a vital component to ensure the reliability, quality and performance of services provided by us. Its adherence to conformance standards and rigorous testing procedures underscores its reliability and utility.

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

Click here to see the test results: [VODAFONE-TMF653RW API-HTML Results](#)