TM Forum Open APIs

Conformance Certification

Company Name: Vodafone Group (Reference Implementation)

TM Forum Open API Name: TMF655 - Change Management

TM Forum Open API Release Version: 4.0.0

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

API supports change requests to various systems and solutions across state in a consistent and standardized way. Facilitates raising, state change management and tracking of Request for Change (RFCs).

**Use case:** This API may be used by consumer applications/systems to raise or retrieve change requests of a system that provides a consistent standardized mechanism to query and manipulate the change requests.

2. **Overview of Certified API**

The Change Management API provides standardized mechanism for change management such as creation, update, and retrieval of the representation of a change in the system. It also allows the notification of events related to change lifecycle.

3. **Architectural View**

Frontend channels/application that invokes TMF655 Change 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, TMF655 Change Management API v4.0.0 serves as a vital component in the telecommunications ecosystem, facilitating effective creation, modification and retrieval of the change systems. Its adherence to conformance standards and rigorous testing procedures underscores its reliability and utility in accurately tracking and reporting changes to solution.

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-TMF655RW API-HTML Results](#)