TM Forum Open APIs

Conformance Certification

Company Name: Vodafone Group (Reference Implementation)

TM Forum Open API Name: TMF645 – Service Qualification Management

TM Forum Open API Release Version: 4.0.0

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

Service Qualification API is one of the Pre-Ordering Management APIs. Service Qualification API goal is to provide service availability at Customer location.

2. **Overview of Certified API**

Service Qualification API is one of Pre-Ordering Management API Family. Service Qualification API goal is to provide service technical eligibility. Since v4 the API is split in 2 resources to distinguish specific service qualification request to be performed on a described configured service (or a list of configured services) from a retrieval of services eligible for a given context. The API allows to manage synchronous as asynchronous eligibility response.
3. **Architectural View**

Frontend channels/application that invokes TMF645 Service Qualification Management API exposed via an API Management layer. Request traverses the TMF microservice layer towards the secure backend system to manage the service qualification.
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 qualification 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-TMF645RW-HTMLResults.html