TM Forum Open APIs

Conformance Certification

Company Name: Vodafone Group (Reference Implementation)

TM Forum Open API Name:
TMF683 – Party Interaction Management

TM Forum Open API Release Version: 4.0.0

Report Date: 12/01/2024
1. **What Product or Solution does your API support?**

   Party Interaction Management API provides a standard way to manage all interactions among parties.

2. **Overview of Certified API**

   This API may be used by consumers to manage party interactions for creation, updation, deletion, retrieval and notification of events.

**Key Features**

- List or find PartyInteraction objects
- Creates a PartyInteraction
- Retrieves a PartyInteraction by ID
- Updates partially a PartyInteraction
- Deletes a PartyInteraction
3. Architectural View

Frontend channels/application that invokes TMF683 party interaction management API exposed via an API Management layer. Request traverses the TMF microservice layer towards the secure backend system to manage the interactions.
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 reliable interaction 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-TMF683RW-HTMLResults.html](#)