TM Forum Open APIs

Conformance Certification

Company Name: MDS GLOBAL

TM Forum Open API Name: TMF670 – Payment Method Management

TM Forum Open API Release Version: 4.0.0

Report Date: 14/09/2023
1. **What Product or Solution does your API support?**

For MDS Global, the Payment Method API supports the viewing and creation of payment methods in the following scenarios:

1. On the MDS Global CMP application, a customer services agent, typically interacting with a customer over the phone, can view and/or add tokenized cards and direct debit payment methods.
2. On MDS Global’s ‘self-care’ application, a customer can view and/or add tokenized cards and direct debit payment methods.

Recurring payments (typically monthly) are subsequently captured using these payment methods by CMP’s batch recurring payment processes and non-recurring payments are captured by CMP’s interactive card payment processes.

2. **Overview of Certified API**

The Payments Method API is an application programming interface that supports the frequently used payment methods for the customer to choose and pay for usage and other service charges.

This API allows the following operations:

- Retrieve a list of payment method stored in a server filtered by given criteria.
- Retrieve a specific payment method.
- Delete a specific payment method.
- Update a specific payment method.
- Create a payment method.
3. Architectural View

The MDS Global REST Architecture can be summarized as follows:

- The Controller layer defines the data elements and operations for each API and delegates complex logic to the business layer.
- The Service layer is where business rules logic is implemented.
- The Data Access layer is where communication with persistence storage takes place.

MDS Global’s own Add Registered Card and Add Direct Debit Details APIs, although similar to the TMF API, have important differences in terms of data element names and error (exception) codes.

Implementing the TMF version of the API, involved exposing the TMF API at the API layer and ‘converting’ data to/from the format expected by the Service layer implementation of the MDS Global API, thus leaving the business rules logic unchanged.
4. **Test Results**

Click here to see the test results: MDS-TMF670 API-HTML Results