TM Forum Open APIs

Conformance Certification

Company Name: Blue Planet

TM Forum Open API Name: TMF645 – Service Qualification Management

TM Forum Open API Release Version: 4.0.0

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1. **What Product or Solution does your API support?**

The TMF645 Open API Adapter supports our Service Order Management offering called Blue Planet Service Order Orchestration.
2. Overview of Certified API

The TMF645 Open API Plug In provides the means to accept Service Qualification requests and query the results of the service qualification process that is run because of such a request. The service specifications that are supported must be specified using the Blue Planet tools for service catalog maintenance. Typically used during customer order processes, this Plug In accepts requests according to the TM Forums OpenAPI standards, enabling the integration of Blue Planet Service Order Orchestration into Service Providers IT environments in a rapid and predictable manner.

Key features and benefits
Blue Planet TMF645 Open API Plugin (TMF645-Plugin) provides several key benefits to Service Providers:

- Certified support for TMF645 standards enables rapid integration with northbound systems to facilitate both new and existing services.
- Comprehensive support for all the methods prescribed by the standard, Service Providers can be assured that all use-cases can be addressed.
- Support for services modeled according to TMF standards allows for rapid integration of both in-house and third party provided systems – if the standards are adhered to.

Standard Interfaces
The TMF645-Plugin provides the following interfaces:

- REST API for ingestion of TMF payloads according to the TMF Open API specifications
- Webhook notifications (supported by the Blue Planet Open API Adaption Layer) of order progress, completion, or failure.

Standard Processes
The TMF645-Plugin supports the following actions for Service qualification:

- Create Check-Service Qualification
- Modify Check-Service Qualification
- Delete Check-Service Qualification
- Query Check-Service Qualification
- Create Query-Service Qualification
• Modify Query-Service Qualification
• Delete Query-Service Qualification
• Query Query-Service Qualification
3. Architectural View

The TMF645-Plugin is deployed, managed and makes use of capabilities provided by the Blue Planet Open API Adaption Layer. Installation of the plugin is only complete once it has been registered via the plugin management API of the Open API Adaption Layer.

This Adaption Layer also provides management and monitoring capabilities for each plugin that it manages.

The diagram below is a high level architecture of the Adaption Layer environment and its components.
4. **Test Results**

Click here to view the test results: CIENA-BLUEPLANET-TMF645-HTMLResults.html