TM Forum Open APIs

Conformance Certification

Company Name: Halleyx

TM Forum Open API Name: 
**TMF633 – Service Catalog Management**

TM Forum Open API Release Version: 4.1.0

Report Date: 10/01/2024
1. **What Product or Solution does your API support?**

Halleyx - AI-Driven SaaS BSS Platform enables telecom operators and MVNO/Es to finally “let go” of customizations. Telcos can speed up their market presence, achieve up to 80% savings in overall ownership costs, and regain the freedom to prioritize customer experience.

Our Suite consists of:

- Unified Product Catalog
- Configure Price Quote (CPQ)
- Customer 360
- Order management
- Billing
- AI-Powered Decision Manager (Brain of Halleyx)
2. **Overview of Certified API**

The TMF633 API plays a crucial role in the Unified Product Catalog module of the BSS suite. This module is responsible for overseeing the catalog of services, encompassing both customer-facing and resource-facing aspects, necessary for realizing a product specification. These services act as a key mapping for the service inventory, facilitating a seamless process for service provisioning and activation.

This module efficiently captures key aspects, including:

- Distinguishing between customer-facing and resource-facing services
  - Identifying services obtained as a product by a customer and those that are not
- All available specification characteristics and values for a service and how they should be fulfilled
- Various details such as category, validity, and other configuration details
- Graphical designer to visually create and manage relationships between products, services, and resources

1. **Configurability for Complex Offerings:**

   - **Objective:** Support complex bundles, product variants, and characteristic-driven configurations

   - **Benefits:**
     - **AI-Driven Decision Manager:** Utilizes AI for configuring intricate product bundles and variants
     - **Customization at Scale:** Enables the creation of highly customized offerings without manual intervention
     - **Improved Customer Experience:** Tailors product configurations to meet specific customer requirements

2. **End-to-End Product Lifecycle Management:**

   - **Objective:** Manage the entire product lifecycle efficiently.
Benefits:

- **Lifecycle Visibility**: Provides a comprehensive view of product development from ideation to retirement
- **Time and Cost Efficiency**: Streamlines processes, reducing time-to-market and associated costs
- **Continuous Optimization**: Allows for ongoing improvements and updates throughout the product lifecycle

3. **Standardized API for Interoperability**:

- **Objective**: Implement standardized APIs for improved interoperability
- **Benefits**:
  
  - **Seamless Integration**: Facilitates integration with other systems and services in the telecom ecosystem
  - **Easier Collaboration**: Promotes collaboration with external partners through standardized interfaces
  - **Future-Proofing**: Ensures compatibility with evolving technologies and industry standards

4. **100% SaaS Deployment**:

- **Objective**: Provide a Software as a Service (SaaS) deployment model
- **Benefits**:
  
  - **Accessibility**: Enables users to access the product catalog from anywhere with an internet connection
  - **Scalability**: SaaS allows for easy scalability as the telecom business grows
▪ **Automatic Updates**: Ensures that users always have access to the latest features and improvements

5. **User-Friendly UI with Zero Coding Dependency**:

   - **Objective**: Offer a sleek and easy-to-use UI for business users with no coding dependency.

   - **Benefits**:
     - **Increased Efficiency**: Empowers business users to make configuration changes without IT intervention
     - **Reduced Training Requirements**: Intuitive UI reduces the learning curve for users
     - **Faster Time-to-Market**: Accelerates the deployment of new offerings with user-friendly tools

3. **Architectural View**
4. **Test results**

Click here to view the test results: [HalleyX-TMF633-HTMLResults.html](#)