TM Forum Open APIs

Conformance Certification

Company Name: Halleyx

TM Forum Open API Name:

**TMF634 – Resource 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 TMF634 API holds a crucial role in the Unified Product Catalog module of our BSS suite, specifically focusing on managing the catalog of resources essential for realizing a product specification.

This module efficiently captures key aspects, including:

- The classification of resources into two types: Physical or logical
- All available specification characteristics and values for a resource and how they should be fulfilled
• Various categories of information, such as the features, model, and brand-related information about a resource
• Graphical designer to visually create and manage relationships between products, services, and resources

1. Comprehensive Data Management:
   o **Objective:** Manage resource data for efficient order decomposition
   o **Benefits:**
     • **Seamless Order Decomposition:** Enables the smooth breakdown of orders into manageable components
     • **Enhanced BSS to OSS Data Flow:** Improves efficiency by ensuring a streamlined data flow between Business Support Systems (BSS) and Operational Support Systems (OSS)
     • **Eliminates Silos:** No need for separate systems or teams, promoting a cohesive and integrated workflow

2. 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

3. End-to-End Product Lifecycle Management:

Objective: Manage the entire service 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

4. 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-TMF634-HTMLResults.html](HalleyX-TMF634-HTMLResults.html)