TM Forum Open APIs

Conformance Certification

Company Name: Hansen Technologies

TM Forum Open API Name: TMF641 – Service Ordering Management

TM Forum Open API Release Version: 4.1.0

Report Date: 15/03/2024
1. **What Product or Solution does your API support?**

Hansen Provision is a carrier-grade, cloud-native fulfillment platform providing rapid, automated service activation across heterogeneous networks. It employs zero-touch automation for customer service activation and resource provisioning, ensuring a seamless and error-free initiation of services. Specifically designed to offer CSPs agile, flexible, and robust provisioning, it delivers multiservice support for traditional and new products across legacy and next-generation networks, while managing the underlying complexity of CSP infrastructure.

With its cloud-native architecture, Hansen Provision is less complex to deploy, with reduced infrastructure and management overheads leading to optimized total cost of ownership. Through its use of microservices, it can offer CSPs improved innovation agility, enabling them to launch new products and services quickly and efficiently. Hansen Provision is designed for today’s evolving network service environments, enabling rapid and automated activation across legacy, next-generation and hybrid networks.

Building on Hansen’s more than two decades of experience in the provisioning market, Hansen Provision supports a range of pre-built solution packs for common technologies, services and bundles, and a rich library of network equipment integration components, making it easier to launch and deliver new consumer and enterprise offers.

The pre-built solution packs allow for quick configuration, due to the applications catalog-driven architecture, which also manages the service inventory, ensuring relationships between customer, service, and resources are maintained accurately. These pre-built solution packs are complemented by a service impact analysis engine for dynamic workflow generation. This means that CSPs can rapidly roll out wide range of services, such as Business Data Services, Broadband Access Solutions, and...
Mobile Solutions, with confidence, knowing that potential impacts and resource needs have been pre-assessed and optimized.

With Hansen Provision, CSPs can drastically reduce the complexity and time typically involved in custom service creation. This results in accelerated service deployment, reduced operational costs, and enhanced customer satisfaction due to the reliability and speed of service provisioning.

2. **Overview of Certified API**

TMF641 API Compliant API from Hansen is designed to Provide on:

**ServiceOrder:**
- Creation of a service order, including service characteristic values, relationships, and provisioning options.
- Retrieval of a service order or a collection of service orders depending on filter criteria.
- Partial update of a service order and provisioning options.
- Notification of events on service order
  - service order creation.
  - service order state change.
  - service order value change used to notify that any data in an order has just changed.

**CancelServiceOrder:**
- Creation of a service order cancel request.
- Retrieval of a service order cancellation request or a collection of service order cancellation requests.
- Notification of events on service order
  - cancel service Order creation.
  - cancel service Order state change.
3. **Architectural View**

![Diagram showing the architectural view of HansenCPQ, HansenPortfolio, HansenOM, HansenInformatics, HansenProvision, and HansenCCB with integration into CSP Systems (Operators, Network, Existing Platforms, Other Connectivity Platforms, and New Functions).]
4. **Test Results**

Click here to view the test results: [HANSEN-TMF641-HTMLResults.html](HANSEN-TMF641-HTMLResults.html)