

TM Forum Open APIs

Conformance

Certification



Company Name:

6D Technologies

Product Name and Release Version:

Service Order Management – v12.0

TM Forum Open API Name and Release Version:

TMF702 – Resource Activation Management v4.0.0

Date: 11/09/2026

1. What Product or Solution does your API support?

The Resource Activation Management API (TMF702) is part of the Orchestration and Fulfilment layer within our Service Order Management (SOM) platform.

It enables the activation, configuration, modification, and deactivation of the physical and logical resources — network elements, equipment, and Resource-Facing Service (RFS) instances — that SOM's Order Orchestrator allocates and reserves during order fulfilment, tracking each resource through its administrative, operational and usage states in alignment with TM Forum's Open Digital Architecture (ODA).

This API supports the Resource Activation component, which acts as the resource-layer execution engine within SOM's Order Orchestrator (Run Time) module — sitting downstream of Resource Reservation (TMF716) and alongside Service Activation and Configuration (TMF640) — driving resources through to activation on the network and OSS/NMS estate. It plays a critical role in provisioning accuracy, automation, and observability, tracking every activation request to completion via the Monitor resource across heterogeneous, multi-vendor resource domains.

2. Overview of Certified API

Resource Activation Management API REST Specification

The TMF702 – Resource Activation Management API provides a standardized interface for initiating and managing activation, modification, and deactivation of Physical and Logical resources. It enables automated, consistent, and interoperable activation processes across heterogeneous domains and technologies.

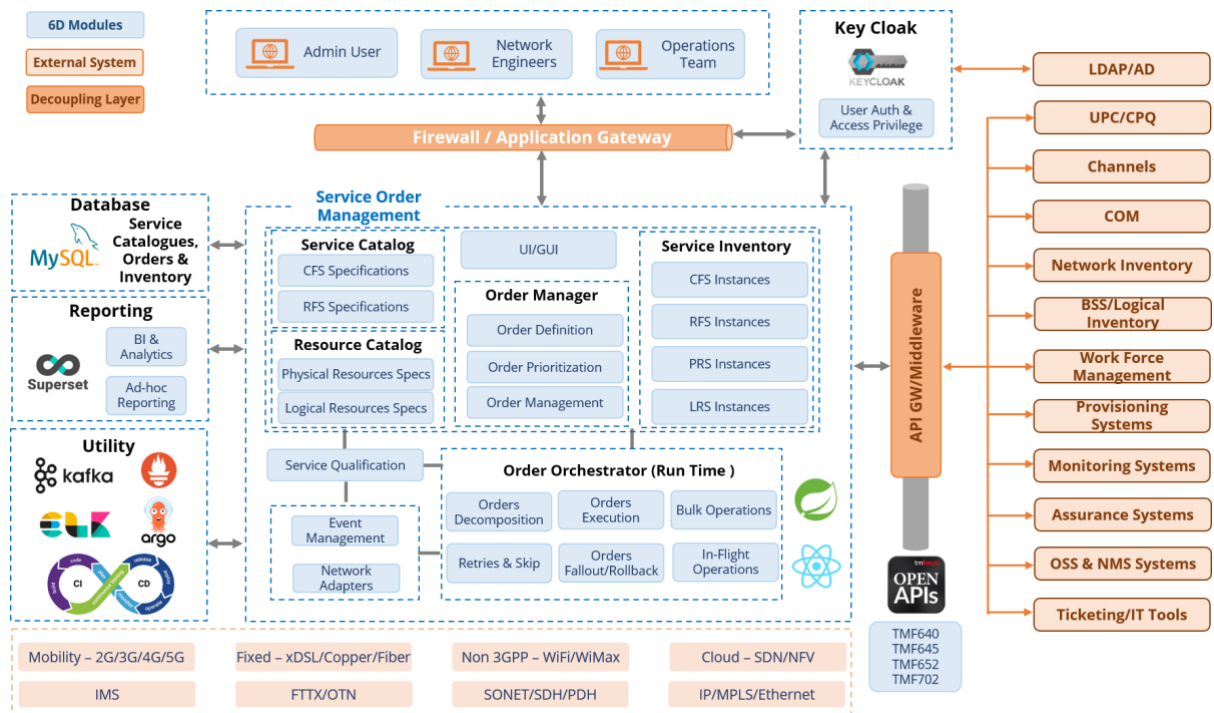
The API aligns with TM Forum’s Open Digital Architecture (ODA) and facilitates seamless integration between Customer & Service Orchestration and Resource Management. It defines the Resource entity — tracked through `administrativeState`, `operationalState`, `resourceStatus`, and `usageState` — alongside a Monitor entity that tracks the progress of asynchronous activation requests, ensuring reliable, observable activation workflows.

Key Functions:

- Create, retrieve, partially update, and delete Resource entities for provisioning and configuration.
- Track activation job status and results via the Monitor entity through defined lifecycle states.
- Support for asynchronous operations and event notifications.
- Standard RESTful interface ensuring interoperability across vendors.

By implementing TMF702, the solution achieves consistent resource activation processes that reduce integration complexity and enhance automation in the service fulfillment domain.

3. Architectural View



6D's Service Order Management (SOM) is modular/microservices based architecture aligning with TMForum ODA - TMFC's modularity.

4. Test Results

This API has been tested as part of end-to-end journeys/Business Processes as well as at API level in terms of Authentication & Authorization, Functionalities & Operations that are supported through this API.

Click here to view the test results: [6D-SOM-TMF702-HTMLReport.html](#)