

Open API Table - Early Adoption (Beta)

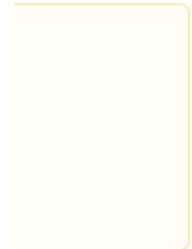
The increasingly complex multi-partner digital services value chain raises new challenges in terms of ensuring time-to-market, seamless management, cost-effectiveness and revenue sharing.

In order to meet these challenges, TM Forum members including the world's largest service providers and suppliers, have been working to develop APIs that enable the open digital ecosystem and provide critical management functionality to digital services.










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API Table please














TM Forum Open APIs Early Adoption (Beta) Versions

TM Forum Open APIs Pre-Production	Document Number	Swagger (Apache 2.0)	API User Guide (RAND)	Conformance Profile (RAND)	CTK	Reference Implementation Code	Postman Collection	Release	Lif S
Alarm Management API The Alarm Management API applies lessons that were learned in previous generations of similar APIs that were implemented in the Telecommunication industry, starting from ITU recommendations, TM Forum OSS/I, MTOSI and TIP interfaces, NGMN alignment initiative between 3GPP and TM Forum interfaces, and the more recent ETSI work on requirements for NFV interfaces.	TMF642	 Apache		Not Yet Available	Not Yet Available	Not Yet Available	 RAND	19.5.0 (v4.0.0)	prc
Communication API Provides a capability to create and send communications, notifications, and instructions to Parties, Individuals, Organizations or Users.	TMF681	 Apache		Not Yet Available	Not Yet Available	Not Yet Available	Not Yet Available	19.5.0 (v4.0.0)	prc
Customer Bill Management API This API allows operations to find and retrieve one or several customer bills (also called invoices) produced for a customer also allows operations to find and retrieve the details of applied customer billing rates presented on a customer bill.	TMF678	 Apache		Not Yet Available	Not Yet Available	 RAND	Not Yet Available	19.5.0 (v4.0.0)	prc
Entity Catalog Management API The entity catalog is intended to provide any SID entity to consumers via a catalog, with its specification and policy providing governance over its content. The API provides management of the entity specifications and their associations thru CRUD operations.	TMF662	 Apache	Not Yet Available	Not Yet Available	Not Yet Available	Not Yet Available	Not Yet Available	20.5.0 (v4.0.0)	prc

Entity Inventory Management API <p>The intent of this API is to provide a consistent /standardized mechanism to query and manipulate the Entity inventory.</p> <p>The Entity Inventory API can be used to query the Entity and Association instances.</p> <p>The Entity Inventory API can be called by an</p>	TMF703	 Apache	Not Yet Available	Not Yet Available	Not Yet Available	Not Yet Available	Not Yet Available	20.5.0 (v4.0.0)	prc
								19.5.0 (v4.0.0)	prc
								20.0.0 (v4.0.0)	prc
Geographic Address Management API <p>Provides a standardized client interface to an Address management system. It allows looking for worldwide addresses. It can also be used to validate geographic address data, to be sure that it corresponds to a real geographic address. Finally, it can be used to look for a geographic address by: searching an area as a start (city, town ...), then zooming on the streets of this area, and finally listing all the street segments (numbers) in a street.</p>	TMF673	 Apache		Not Yet Available	Not Yet Available	Not Yet Available	Not Yet Available	20.0.0 (v4.0.0)	prc
Geographic Location Management API <p>Provides the information of a geographic region of the entity (customer, equipment, address).</p>	TMF675	 Apache	Not Yet Available	Not Yet Available	Not Yet Available	Not Yet Available	Not Yet Available	19.5.0 (v4.0.0)	prc
Geographic Site Management API <p>Covers the operations to manage (create, read, delete) sites that can be associated with a customer, account, service delivery or other entities. This API defines a Site as a convenience class that allows easy reference to places important to other entities, where a geographic place is an entity that can answer the question "where?"</p>	TMF674	 Apache			Not Yet Available	Not Yet Available	 RAND	19.5.0 (v4.0.0)	prc
IoT Device Management API Component Suite <p>In addition to including established TM Forum Open APIs, such as alarm management, resource management and activation APIs, the IoT Device Management API Component Suite also includes an IoT Data Access Endpoint API. This API allows for IoT data access using different types of protocols (MQTT IoT, CoAP, etc.). It encapsulates the protocols and allows devices to be easily integrated into solutions that support a host of IoT initiatives, including smart cities, smart factories and other vertical markets.</p>	TMF908	 Apache		Not Yet Available	Not Yet Available	Not Yet Available	Not Yet Available	19.0.0 (v4.0.0)	prc
Party Interaction Management API <p>A User Interaction captures information about past interactions in order to re-use it in future ones. This allows agents to serve users better by knowing the steps they went through. It also allows customers to see better the actions they have performed and how they interacted with us.</p>	TMF683	 Apache		Not Yet Available	Not Yet Available	Not Yet Available	Not Yet Available	19.5.0 (4.0.0)	prc

<p>Payment Management API</p> <p>The Payments API provides the standardized client interface to Payment Systems for notifying about performed payments or refunds. Examples of Payment API originators (clients) include Web servers, mobile app servers, Contact center dashboards or retail store systems.</p>	TMF676	 Apache			Not Yet Available	 RAND	Not Yet Available	19.5.0 (4.0.0)	prc
<p>Privacy Management API</p>	TMF644				Not Yet Available	Not Yet Available		19.5.0 (4.0.0)	prc
								19.5.0 (v4.0.0)	prc
								19.5.0 (v4.0.0)	prc
<p>during several processes such as ordering process.</p>								19.5.0 (v4.0.0)	prc
<p>Resource Function Activation and Configuration API</p> <p>This API introduces Resource Function which is used to represent a Network Service as well as a Network Function. The Network Service and Network Function class definitions and associations in TR244 (which, in turn, builds on concepts from the SID addenda on Logical Resource and Service) are utilized to define the Resource Function</p>	TMF664	 Apache		Not Yet Available	Not Yet Available	Not Yet Available	Not Yet Available	19.5.0 (v4.0.0)	prc
<p>Resource Inventory Management API</p> <p>The intent of this API is to provide a consistent /standardized mechanism to query and manipulate the Resource inventory.</p>	TMF639	 Apache			 RAND	Not Yet Available	 RAND	19.5.0 (v4.0.0)	prc
<p>Resource Ordering Management API</p> <p>The REST API for Resource Order Management. It includes the model definition as well as all available operations. Possible actions are creating, updating and retrieving Resource Orders (including filtering). A Resource Order API provides a standard mechanism for placing a Resource Order with all necessary order parameters.</p>	TMF652	 Apache		Not Yet Available	Not Yet Available	Not Yet Available	Not Yet Available	19.5.0 (v4.0.0)	prc
<p>Risk Management API</p> <p>The Risk Management API allows the retrieval of Risk Assessments during interaction with PartyRoles (individuals or organizations) typically engaged in an Order process from ProviderPartyRole. The Risk Assessment request is usually issued by the ProviderPartyRole (e.g. Service Provider). The resources used to retrieve these assessment are Task resources, as per the Open API guidelines for tasks.</p>	TMF696	 Apache	Not Yet Available	Not Yet Available	Not Yet Available	Not Yet Available	Not Yet Available	20.5.0	prc
<p>Service Catalog API</p> <p>The Service Catalog Management API allows the management of the entire lifecycle of the service catalog elements.</p>	TMF633	 Apache	Not Yet Available	Not Yet Available	Not Yet Available	Not Yet Available	Not Yet Available	20.5.0 (v4.0.0)	prc

<p>Service Qualification API</p> <p>Service Qualification API is one of the Pre-Ordering Management APIs. Service Qualification API goal is to provide service availability at Customer location.</p>	TMF645	 Apache			Not Yet Available	Not Yet Available	 RAND	20.0.0 (v4.0.0)	prc
<p>Service Quality Management API</p>	TMF657			Not Yet Available	Not Yet Available	Not Yet Available		19.5.0 (v4.0.0)	prc
								20.0.0 (v4.0.0)	prc
								20.5.0 (v4.0.0)	Prc
<p>/standardized mechanism to manage test case models and related artifacts.</p> <p>It includes the model definition as well as all available operations and is part of the TMF913 Test API Component Suite.</p>		 Apache						20.5.0 (v4.0.0)	prc
<p>User Roles & Permissions API</p> <p>A user role is defined as the entity that defines a set of privileges covering various functions and/or manageable assets. When a user is assigned a given role then it is actually allocated all the privileges defined for that role type and the corresponding permissions are created for that user.</p>	TMF672	 Apache		Not Yet Available	Not Yet Available	Not Yet Available	 RAND	19.5.0 (v4.0.0)	prc