TM Forum Open APIs

Conformance Certification

Company Name: Huawei Technologies Co. Ltd

TM Forum Open API Name:
TMF674 - Geographic Site Management

TM Forum Open API Release Version: 4.0.0

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1. **What Product or Solution does your API support?**

SmartCare provides service experience solutions for global CSPs, helping CSPs resolve network performance problems, ensure service quality, build high-quality networks, and improve user experience through planning and design, network optimization, and service experience management. In addition, by opening the capabilities of the platform, global carriers, ecosystem partners and Huawei can work together to transform human-dominant CEM (customer experience management) to intelligent CEM.

**Geographic Site Management API in Huawei SmartCare**

A key component of the solution is GIS positioning which is mapped as part of platform in Huawei SmartCare. The **Geographic Address Management** API provides an interaction interface with this module and relevant functionalities of Huawei SmartCare. The external systems and the third-parties can access such capabilities via the exposed APIs.

2. **Overview of Certified API**

According to Geographic Site Management Conformance Profile (TMF674), **Geographic Site Management API**, it can be used to create and query Geographic Site. It has one resource: GeographicSite

The resource is used to manage address request and response in the GIS positioning. Main attributes of **Resource** are:

- **GeographicSite**
  - href A string. Unique reference of the place.
  - id A string. Unique identifier of the place.
  - status A string. The condition of the GeographicSite, such as planned, underConstruction, cancelled, active, inactive, former.
  - name A string. A user-friendly name for the place, such as [Paris Store], [London Store], [Main Home].
  - calendar A list of calendar periods (CalendarPeriod [*]).
  - code A string. A code that may be used for some addressing schemes e.g.: [ANSI T1.253-1999].
  - description A string. Text describing additional information regarding the site.
  - place A list of place ref or values (PlaceRefOrValue [*]). A place defines a place described by reference or by value linked to a specific entity. The polymorphic attributes
@type, @schemaLocation & @referredType are related to the place entity and not the RelatedPlaceRefOrValue class itself.

- relatedParty A list of related parties (RelatedParty [*]). Related Entity reference. A related party defines party or party role linked to a specific entity.
- siteRelationship A list of geographic site relationships (GeographicSiteRelationship [*]).

3. Architectural View
The following diagram shows a functional architecture view of Huawei SmartCare:

Mapping between Huawei SmartCare and TMF Open API

4. Test Results
Click here to view the test results: HUAWEI-TMF674-HTMLResults.html