Catalog API Description

Identifiers

Values used with the "id" tags within the catalog API should conform with [A-Za-z][A-Za-z0-9_]*.

Dependencies

All resources that are created must be created in a project within the Ericsson Product Catalog. A project is a container for the resources. The project ID is required as a parameter for all POST, PUT, and DELETE operations for a resource. It is optional for GET methods. Details are described in the specific sections for each method below.

The following sequences are required when creating resources in the Ericsson Product Catalog:

- Create Project: a project must be created before creating any other resources.
- Create Category: the Category must be created before creating any Product Offers that are children of the Category.
- Create Product Specification: the Product Specification must be created before creating any Product Offers that reference the Product Specification.

The following sequences are required when deleting resources in the Ericsson Product Catalog:

- Delete Category
- Delete Product Offer
- Delete Product Specification
- Delete Project

Create Project

POST http://10.103.18.174:8080/ecm/ecmr/CatalogManagement/v2/project

NOTE: This API is not part of the TM Forum's Catalog Management API. The TM Forum Catalog API does not use the concept of a project. "state" value of "DEF" corresponds to TM Forum state of "In Design". "state" value of "ACT" corresponds to TM Forum state of "Active".

Input example:

```
{
"id": "testProject",
```

```
   "name": "Test Project",
   "description": "A test project",
   "effectiveDate": "2015-05-29T04:00:00.000Z",
  "state": "DEF"
  }
```

Create Category

POST http://10.103.18.174:8080/ecm/ecmr/CatalogManagement/v2/productCategory?project=<project ID>

NOTE: project parameter is required.

Input example:

```
  {
   "id": "testCategory1",
   "href": "http://serverlocation:port/catalogManagement/category/testCategory1",
   "version": "1.0",
  "lifecycleStatus": "In design",
   "validFor": {

        "startDateTime": "2015-05-29T04:00:00-04:00",
        "endDateTime": ""

    },
   "isRoot": "true",
   "name": "Test Category 1",
  "description": "A category to hold test offers"
  }
```

Get Category by ID

GET http://10.103.18.174:8080/ecm/ecmr/CatalogManagement/v2/productCategory/<category ID>

Response structure is the same as the example shown in the input example in Section Create Category.

Get All Categories

GET http://10.103.18.174:8080/ecm/ecmr/CatalogManagement/v2/productCategory

Response structure is the same as the example shown in the input example in Section Create Category, except that an array of Categories is returned.

Create Product Specification

POST
http://10.103.18.174:8080/ecm/ecmr/CatalogManagement/v2/productSpecification?project=<project ID>

NOTE: project parameter is required.

Input example:

```
{

        "productNumber": "I42_340_DX",
        "version": "1.0",
        "name": "iPhone 42",
        "description": "Siri works on this iPhone",
        "isBundle": false,
        "brand": "Apple",
        "lifecycleStatus": "In design",
        "validFor": {

                "startDateTime": "2015-05-29T00:00:00-04:00",
                "endDateTime": "2015-12-31T16:42:23-04:00"

        },
        "attachment": [

                {

                        "id": "22",
                        "href": "http://serverlocation:port/documentManagement/attachment/22",
                        "type": "Picture",
                        "url": "http://serverlocation/images/picture.jpg"

                }

        ],

        "productSpecCharacteristic": [

                {

                        "name": "Screen Size",
                        "description": "Screen size",
                        "valueType": "number",
```

```
                    "configurable": false,
                    "productSpecCharacteristicValue": [

                            {

                                    "valueType": "number",
                                    "default": true,
                                    "value": "4.2",
                                    "unitOfMeasure": "inches",
                                    "valueFrom": "",
                                    "valueTo": "",
                                    "validFor": {

                                            "startDateTime": "2015-05-29T00:00:00-04:00"

                                    }

                            }

                    ],

                    "validFor": {

                            "startDateTime": "2015-05-29T00:00:00-04:00"

                    }

            },

            {

                    "name": "Colour",
                    "description": "Colour",
                    "valueType": "string",
                    "configurable": true,
                    "productSpecCharacteristicValue": [

                            {

                                    "valueType": "string",
                                    "default": true,
                                    "value": "Black",
                                    "unitOfMeasure": "",
                                    "valueFrom": "",
                                    "valueTo": "",
                                    "validFor": {
```

```
                                "startDateTime": "2015-05-29T00:00:00-04:00"

                        }

                },

                {

                        "valueType": "string",
                        "default": false,
                        "value": "White",
                        "unitOfMeasure": "",
                        "valueFrom": "",
                        "valueTo": "",
                        "validFor": {

                                "startDateTime": "2015-05-29T00:00:00-04:00"

                        }

                }

        ],

        "validFor": {

                "startDateTime": "2015-05-29T00:00:00-04:00"

        }

    }

]

}
```

Get Product Specification by ID

GET http://10.103.18.174:8080/ecm/ecmr/CatalogManagement/v2/productSpecification/<product specification ID>?project=<project ID>

NOTE: If the Product Specification is Active, then the project parameter should not be used.

Response structure is the same as the example shown in the input example in Section Create Product Specification.

Get All Product Specifications

GET
http://10.103.18.174:8080/ecm/ecmr/CatalogManagement/v2/productSpecification/?project=<project ID>

NOTE: If the project parameter is supplied, then all Product Specifications in the project that are not Active are returned. If the project parameter is not supplied, then all active Product Specifications are returned.

Response structure is the same as the example shown in the input example in Section Create Product Specification, except that an array of Product Specifications is returned.

Create Product Offer

POST http://10.103.18.174:8080/ecm/ecmr/CatalogManagement/v2/productOffering?project=<project ID>

NOTE: project parameter is required.

Example input:

```
{

        "id": "testOffering2",
        "href": "http://serverlocation:port/catalogManagement/productOffering/testOffering2",
        "version": "1.0",
        "name": "testOffering2",
        "description": "Virtual Storage Medium",
        "isBundle": "false",
        "lifecycleStatus": "In design",
        "validFor": {

                "startDateTime": "2015-05-29T00:00:00-04:00",
                "endDateTime": "2015-12-31T16:42:23-04:00"

        },

        "category": [

                {

                        "id": "testCategory1",
                        "href": "http://server:port/catalogManagement/category/testCategory1",
```

```
                "version": "1.0",
                "name": "Test Category 1"

        }

    ],

    "productSpecification": {

        "id": "I42_340_DX",
        "href": "http://server:port/catalogManagement/productSpecification/13",
        "version": "1.0",
        "name": "specification product 1"

    },

}
```

Get Product Offer by ID

GET http://10.103.18.174:8080/ecm/ecmr/CatalogManagement/v2/productOffering/<product offer ID>?project=<project ID>

NOTE: If the Product Offer is Active, then the project parameter should not be used.

Response structure is the same as the example shown in the input example in Section Create Product Offer.

Get All Product Offers

GET http://10.103.18.174:8080/ecm/ecmr/CatalogManagement/v2/productOffering/?project=<project ID>

NOTE: If the project parameter is supplied, then all Product Offers in the project that are not Active are returned. If the project parameter is not supplied, then all active Product Offers are returned.

Response structure is the same as the example shown in the input example in Section Create Product Offer, except that an array of Product Offers is returned.

Update Product Offer

PUT http://10.103.18.174:8080/ecm/ecmr/CatalogManagement/v2/productOffering/<product offer ID>?project=<project ID>

NOTE: project parameter is required.

For an example input, see Section Create Product Offer.

Update Product Specification

PUT http://10.103.18.174:8080/ecm/ecmr/CatalogManagement/v2/productSpecification/<product specification ID>?project=<project ID>

NOTE: project parameter is required.

For an example input, see Section Create Product Specification.

Update Category

PUT http://10.103.18.174:8080/ecm/ecmr/CatalogManagement/v2/productCategory/>category ID>?project=<project ID>

NOTE: project parameter is required.

For an example input, see Section Create Category.

Delete Category

DELETE http://10.103.18.174:8080/ecm/ecmr/CatalogManagement/v2/productCategory/<category ID>?project=<project ID>

NOTE: project parameter is required.

Delete Product Offer

 DELETE http://10.103.18.174:8080/ecm/ecmr/CatalogManagement/v2/productOffering/<product offer ID>?project=<project ID>

NOTE: project parameter is required.

Delete Product Specification

DELETE http://10.103.18.174:8080/ecm/ecmr/CatalogManagement/v2/productSpecification/<product specification ID>?project=<project ID>

NOTE: project parameter is required.

Delete project

DELETE http://10.103.18.174:8080/ecm/ecmr/CatalogManagement/v2/project/<project ID>

NOTE: This API is not TMF compliant because TMF does not use the concept of a project.

API Parameters

For a description of the parameters mentioned above (except for the Project resource), see the TM Forum Product Catalog Management API REST Specification (TMF620, Release 14.5.0, November 2014).