



# MEF Product Offering Qualification Management API Reference Guide

Revision 00

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## Table of Contents

About This Guide .....	1
Introduction .....	1
Accessing the Portal .....	1
Customer Support Desk (CSD) Portal .....	1
About Product Offering Qualification Management APIs .....	2
MEF Product Offering Qualification Management APIs .....	3
POST Create Product Offering Qualification .....	3
GET - Retrieve POQ by Identifier .....	31
Notification events: POST - POQ Register Listener .....	38
Notification events: DELETE - POQ Unregister Listener .....	40
Revision History .....	42

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# About This Guide

## Introduction

This guide describes the Connectbase Application Program Interface (API) MEF Product Offering Qualification Management APIs.

## Accessing the Portal

Using any standard web browser, you can access the Connectbase API portal by entering the following URL: <https://developer.connectbase.com>.

- If this is your first time visiting the site, click [Sign up](#) to register as a new API user.
- If you are already a registered user, [Sign in](#) using your API login and password.

## Customer Support Desk (CSD) Portal

If you require technical assistance or wish to report an issue to the Connectbase Support team, please log into the Connectbase [Customer Support Desk Portal](#) and submit a support ticket.

If you face issues in logging in to Connectbase Customer Support Desk Portal, email at [portalsupport@connectbase.com](mailto:portalsupport@connectbase.com) or contact your CSM to report the issue. We will add your domain to provide access for your organization.

# About Product Offering Qualification Management APIs

The Product Offering Qualification (POQ) Management API allows a Buyer to check whether the Seller can deliver a product or set of products from among their product offerings at the geographic address or a service site specified by the Buyer; or modify a previously purchased product. The following use cases are managed:

- *POST Create Product Offering Qualification*
- *GET - Retrieve POQ by Identifier*
- *POST - POQ Register Listener: Notification events*
- *DELETE - POQ Unregister Listener: Notification events*



The content is based on the TM Forum Product Offering Qualification API (TMF679 v4.0.0) available at [https://github.com/tmforum-apis/TMF679\\_ProductOfferingQualification](https://github.com/tmforum-apis/TMF679_ProductOfferingQualification), which is licensed by the TM Forum under the Apache License version 2.0. Such content has been modified by the MEF Forum and its contributors.

# MEF Product Offering Qualification Management APIs

## POST Create Product Offering Qualification

A request initiated to assess if the responder can deliver a specific product or products to designated geographic locations.

### Requirements and Special Considerations

Supported flows:

- Deferred response with notifications (recommended)
- Deferred response with polling

Immediate response is not supported(instantSyncQualification=true).

Supported products:

- ELine + UNI
- Basic IA IPVC
- Advanced IA IPVC

### Request URL

<https://api.connectbase.com/mef/sonata/poq/dolly/productOfferingQualification>

Request headers	Type	Required?	Description
Ocp-Apim-Subscription-key	string	Yes	The subscription key that provides access to this API, which can be found in your Profile.
Authorization	string	Yes	Header for OAuth 2.0 token. Value must contain text 'Bearer' + token value.  Example: Authorization='Bearer eysG...'

Request parameters	Type	Required?	Description
sellerId (query parameter)	string	No	The unique identifier of the organization that is acting as the Seller. MUST be specified in the request only when responding entity represents more than one Seller. Reference: MEF 79 (Sn 8.8)  This parameter acts as supplierId.

Request parameters	Type	Required?	Description
			Example: sellerId=RETELIT

### Common POQ Request Attributes - All Products

Request parameters	Type	Required?	Description
externalId	string	No	ID given by the consumer and only understandable by him (to facilitate his searches afterwards) [MEF 87]
instantSyncQualification	boolean	No	If this flag is set to true, requests will receive an instant qualification in the POST response.  Must be false (true is not supported).  Defaults to false.
relatedContactInformation	Object List of type RelatedContactInformation	No	Party playing a role for this qualification. MEF 79 mandates providing 'Buyer Contact Information' in the request ('role=buyerContactInformation') and 'Seller Contact Information' in the response ('role=sellerContactInformation') [MEF 87].  Contact data for a person or organization that is involved in the product offering qualification. In a given context it is always specified by the Seller (e.g. Seller Contact Information) or by the Buyer. Reference: MEF 79 (Sn 8.11)
number	string	No	Phone number
emailAddress	string	No	Email address
role	string	No	A role of the particular contact in the request [MEF 87]
name	string	No	Name of the contact [MEF 87]
organization	string	No	The organization or company that the contact belongs to [MEF 87]
postalAddress	Object of type	No	Contact's geographic location

Request parameters	Type	Required?	Description
	FieldedAddress		
@type	string	No	Supported value: FieldedAddress
role	string	No	Role of this place
country	string	No	Country that the address is in [MEF 87]
city	string	No	The city that the address is in [MEF 87]
streetName	string	No	Name of the street or other street type [MEF 87]
streetNr	string	No	Number identifying a specific property on a public street. It may be combined with streetNrLast for ranged addresses.[MEF 87]
streetNrLast	string	No	Last number in a range of street numbers allocated to a property [MEF 87]
streetNrSuffix	string	No	Suffix for the primary street number (e.g., "A" in "100A")
streetNrLastSuffix	string	No	Suffix for the last street number in a range (e.g., "A" in "100-101A")
streetSuffix	string	No	Street direction or modifier (e.g., "S" in "S Wacker Dr")
streetType	string	No	The type of street (e.g., alley, avenue, boulevard, brae, crescent, drive, highway, lane, terrace, parade, place, tarn, way, wharf) [MEF 87]
locality	string	No	The locality that the address is in [MEF 87]
postcode	string	No	A descriptor for a postal delivery area used to speed and simplify the delivery of mail (also known as zip code) MEF 79 defines it as required however as in certain countries it is not used we make it optional in API. [MEF 87]
postcodeExtension	string	No	An extension of a postal code. E.g. the part following the dash in a US urban property address. [MEF 87]
stateOrProvince	string	No	The State or Province that the address is in [MEF 87]

Request parameters	Type	Required?	Description
provideAlternative	boolean	No	Allows the Requester to indicate if he is willing to get an alternate proposal if requested product not available.  Must be false (true is not supported).  Defaults to false.
projectId	string	No	This value MAY be assigned by the Requester to identify a project the serviceability request is associated with. [MEF 87]
requestedPOQCompletionDate	string(date-time)	No	The latest date a the POQ completion is expected. This attribute is required when instantSyncQualification=false [MEF 87]
productOfferingQualificationItem	List of Objects of type ProductOfferingQualificationItem_Create	No	A non-empty list of POQ items [MEF 87]

### 1.A. Product ELine + UNI - Request

Request parameters	Type	Required?	Description
productOfferingQualificationItem	List of Objects of type ProductOfferingQualificationItem_Create	Yes - 2 items	The ELine/UNI request must have exactly two ProductOfferingQualificationItem_Create items.
ProductOfferingQualificationItem_Create [0]	Object of type ProductOfferingQualificationItem_Create	Yes	This is the UNI POQ Item
id	Object List of type RelatedContactInformation	Yes	Id of this POQ item which is unique within the POQ. Assigned by the Requester.

Request parameters	Type	Required?	Description
action	string	Yes	Action to be performed on the Product Item. [MEF 87]  Supported value: add
relatedContactInformation	List of Objects of type RelatedContactInformation	No	Contact information of an individual or organization playing a role for this POQ Item (e.g. for MEF 79: POQ Item Location Contact, role=locationContact) [MEF 87]  See Common POQ Request Attributes - All Products / relatedContactInformation for the structure
product	Object of type MEFProductRefOrValue	Yes	Used by the Buyer to point to existing and/or describe the desired shape of the product. In case of add action - only productConfiguration MUST be specified. [MEF 87]
productOffering	Object of type ProductOfferingRef	No	A reference to a Product Offering offered by the Seller to the Buyer. A Product Offering contains the commercial and technical details of a Product sold by a particular Seller. A Product Offering defines all of the commercial terms and, through association with a particular Product Specification, defines all the technical attributes and behaviors of the Product. A Product Offering may constrain the allowable set of configurable technical attributes and/or behaviors specified in the associated Product Specification. Defined in MEF 79 Section 8.4.1.1 [MEF 87]  The application logic ignores this field.
id	string	Yes	id of a Product Offering. It is assigned by the Seller. The Buyer and the Seller exchange information about

Request parameters	Type	Required?	Description
			offerings' ids during the onboarding process.
productConfiguration	Object of type MEFProduct Configuration	Yes	MEFProductConfiguration is used as an extension point for MEF specific product/ service payload. The @type attribute is used as a discriminator.[MEF 87]
@type	string	Yes	Supported value: UNI
place	List of Objects of type RelatedPlaceRefOrValue	Yes	A list of locations that are related to the Product. For example an installation location [MEF 87]
role	string	Yes	Role of this place. The values that can be specified here are described by Product Specification (e.g. "INSTALL_LOCATION").  Supported value: INSTALLATION SITE
@type	string	Yes	Supported value: GeographicAddressRef
id	string	Yes	Identifier of the location site received during address validation
ProductOfferingQualificationItem_Create [1]	Object of type ProductOfferingQualificationItem_Create	Yes	This is the ELine POQ Item
id	string	Yes	Id of this POQ item which is unique within the POQ. Assigned by the Requester.
action	string	Yes	Action to be performed on the Product Item. [MEF 87]  Supported value: add
product	Object of type MEFProduct RefOrValue	Yes	Used by the Buyer to point to existing and/or describe the desired shape of the product. In case of add action - only

Request parameters	Type	Required?	Description
			productConfiguration MUST be specified. [MEF 87]
productOffering	Object of type ProductOfferingRef	No	<p>A reference to a Product Offering offered by the Seller to the Buyer.</p> <p>A Product Offering contains the commercial and technical details of a Product sold by a particular Seller. A Product Offering defines all of the commercial terms and, through association with a particular Product Specification, defines all the technical attributes and behaviors of the Product. A Product Offering may constrain the allowable set of configurable technical attributes and/or behaviors specified in the associated Product Specification. Defined in MEF 79 Section 8.4.1.1 [MEF 87]</p> <p>The application logic ignores this field.</p>
id	string	Yes	id of a Product Offering. It is assigned by the Seller. The Buyer and the Seller exchange information about offerings' ids during the onboarding process.
productConfiguration	Object of type MEFProductConfiguration	Yes	MEFProductConfiguration is used as an extension point for MEF specific product/service payload. The @type attribute is used as a discriminator.[MEF 87]
@type	string	Yes	Supported value: ELine
UNIIngressBWProfile	string	Yes	The ingress bandwidth profile at UNI [MEF 57.1]
cir	Object of type InformationRate	Yes	Committed Information Rate
irValue	number	Yes - min 0	The value in the information rate. For example if the

Request parameters	Type	Required?	Description
			information rate is 70 kbps this element is 70. [MEF 139]
irUnits	string - enum	Yes	The unit of measure for the Information Rate. For example if the Information Rate is 70KBPS this element is KBPS. Note that the values are decimal values. 1 KBPS is 1000 bits per second and 1MBPS is 1,000,000 bits per second. [MEF 139]  Supported values: BPS, KBPS, MBPS, GBPS, TBPS, PBPS, EBPS, ZBPS, YBPS
qualificationItemRelationship	List of Objects of type QualificationItemRelationship	Yes - size 1	A list of references to related POQ items in this POQ [MEF 87]
qualificationItemRelationship[0]	Object of type QualificationItemRelationship	Yes	The relationship between product offering qualification items that can be used to validate business rules between POQ items. Reference: MEF 79.0.1 (Sn 6) [MEF 87]
relationshipType	string	Yes	One of the relationship types defined in the Product Specification. For example: "relies on".[MEF 87]  Supported value: "relies on"
id	string	Yes	An identifier of the targeted POQ item within the same POQ request[MEF 87]

### Sample Request Body - ELine + UNI

```
{
  "externalId": "22685-R4",
  "instantSyncQualification": false, //always false
  "relatedContactInformation": [
    {
      "number": "siteTechnicalContactPhone",
      "emailAddress": "siteTechnicalContactEmail@company.com",
      "role": "buyerContactInformation",
      "name": "siteTechnicalContactName",
      "organization": "company",
      "postalAddress": {
        "@type": "FieldedAddress",
        "role": "address of the contact",

```

## Sample Request Body - ELine + UNI

```
        "city": "Lyon",
        "streetName": "Rue Des Teinturiers",
        "streetNr": "11",
        "postcode": "69003",
        "country": "France",
        "streetType": "street",
        "stateOrProvince": "",
        "locality": "Lyon"
    }
},
"provideAlternative": false,
"projectId": "MA_8207",
"requestedPOQCompletionDate": "2026-12-12T12:09:05Z",
"productOfferingQualificationItem": [
    {
        "relatedContactInformation": [
            {
                "number": "siteTechnicalContactPhone",
                "emailAddress": "siteTechnicalContactEmail@company.com",
                "role": "locationContact",
                "name": "siteTechnicalContactName"
            }
        ],
        "product": {
            "productOffering": {
                "id": "productOffering_default-UNI"
            },
            "productConfiguration": {
                "@type": "UNI"
            },
            "place": [
                {
                    "role": "INSTALLATION SITE",
                    "@type": "GeographicAddressRef",
                    "id": "FR8FQ6QV59+G22RS00:FI"
                }
            ]
        }
    },
    {
        "action": "add",
        "id": "1"
    }
],
{
    "product": {
        "productOffering": {
            "id": "productOffering_default-ELine"
        },
        "productConfiguration": {
            "@type": "ELine",
            "UNIIngressBWProfile": [
                {
                    "cir": {
                        "irValue": 100,
                        "irUnits": "MBPS"
                    }
                }
            ]
        }
    },
    "qualificationItemRelationship": [
        {
            "relationshipType": "reliesOn",
            "id": "1"
        }
    ],
    "action": "add",
    "id": "2"
}
```

### Sample Request Body - ELine + UNI

```

    ]
}

```

## 1.B. Product Basiclplvc - Request

Request parameters	Type	Required?	Description
productOfferingQualificationItem	List of Objects of type ProductOfferingQualificationItem_Create	Yes - 1 items	The Basiclplvc request must have exactly one ProductOfferingQualificationItem_Create item.
ProductOfferingQualificationItem_Create [0]	Object of type ProductOfferingQualificationItem_Create	Yes	This is the Basiclplvc POQ Item
id	Object List of type RelatedContactInformation	Yes	Id of this POQ item which is unique within the POQ. Assigned by the Requester.
action	string	Yes	Action to be performed on the Product Item. [MEF 87]  Supported value: add
relatedContactInformation	List of Objects of type RelatedContactInformation	No	Contact information of an individual or organization playing a role for this POQ Item (e.g. for MEF 79: POQ Item Location Contact, role=locationContact) [MEF 87]  See Common POQ Request Attributes - All Products / relatedContactInformation for the structure
product	Object of type MEFProductRefOrValue	Yes	Used by the Buyer to point to existing and/or describe the desired shape of the product. In case of add action - only productConfiguration MUST be specified. [MEF 87]
productOffering	Object of type	No	A reference to a Product Offering offered by the Seller to the Buyer. A

Request parameters	Type	Required?	Description
	ProductOfferingRef		Product Offering contains the commercial and technical details of a Product sold by a particular Seller. A Product Offering defines all of the commercial terms and, through association with a particular Product Specification, defines all the technical attributes and behaviors of the Product. A Product Offering may constrain the allowable set of configurable technical attributes and/or behaviors specified in the associated Product Specification. Defined in MEF 79 Section 8.4.1.1 [MEF 87]  The application logic ignores this field.
id	string	Yes	id of a Product Offering. It is assigned by the Seller. The Buyer and the Seller exchange information about offerings' ids during the onboarding process.
productConfiguration	Object of type MEFProductConfiguration	Yes	MEFProductConfiguration is used as an extension point for MEF specific product/service payload. The @type attribute is used as a discriminator.[MEF 87]
@type	string	Yes	Supported value: urn:mef:lso:spec:cantata-sonata:basicl1pvc:v0.1.0:all
basicl1pvcEndPoint	Object of type Basicl1pvcEndPoint	Yes	The Basic Internet Access IPVC End Point is a MEF 69.1 defined version of MEF 61.1 IPVC End Point. Reference MEF 69.1 Section 9.2 Internet Access IPVC End Point Requirements. [MEF 139]
identifier	string	No	A unique identifier for the IPVC End Point for management purposes. Reference MEF 61.1 Section 11.1 IPVC EP Identifier Service Attribute. [MEF 139]

Request parameters	Type	Required?	Description
			The application logic ignores this field.
egressBandwidthProfileEnvelope	Object of type IpvcepEgressBwpEnvelope	Yes	Download speed - required
ipvcepEgressBwp	List of Objects of type IpvcepEgressBwp	Yes - 1 item	An Egress Bandwidth for and IPVC End Point with an associated Class of Service identifier.[MEF 139]
cir	Object of type Information Rate	Yes	Committed information rate
irValue	number	Yes - minimum 0	The value in the information rate. For example if the information rate is 70 kbps this element is 70.[MEF 139]
irUnits	Enum - string	Yes	Supported values: BPS, KBPS, MBPS, GBPS, TBPS, PBPS, EBPS, ZBPS, YBPS
cosName	List of string	Yes - min 1 item	Class of Service name. [MEF 139]  The application logic ignores this field.
ingressBandwidthProfileEnvelope	Object of type IpvcepIngressBwpEnvelope	No	Upload speed - optional
ipvcepIngressBwp	List of Objects of type IpvcepIngressBwp	Yes - 1 item	An Ingress Bandwidth for and IPVC End Point with an associated Class of Service identifier.[MEF 139]
cir	Object of type Information Rate	Yes	Committed information rate
irValue	number	Yes - minimum 0	The value in the information rate. For example if the information rate is 70 kbps this element is 70.[MEF 139]

Request parameters	Type	Required?	Description
irUnits	Enum - string	Yes	Supported values: BPS, KBPS, MBPS, GBPS, TBPS, PBPS, EBPS, ZBPS, YBPS
cosName	List of string	Yes - min 1 item	Class of Service name. [MEF 139]  The application logic ignores this field.
place	List of Objects of type RelatedPlaceRefOrValue	Yes	A list of locations that are related to the Product. For example an installation location [MEF 87]
role	string	Yes	Role of this place. The values that can be specified here are described by Product Specification (e.g. "INSTALL_LOCATION").  Supported value: INSTALLATION SITE
@type	string	Yes	Supported value: GeographicAddressRef
id	string	Yes	Identifier of the location site received during address validation

### Sample Request Body - BasicIapvc

```
{
  "externalId": "22685-R4",
  "instantSyncQualification": false,
  "relatedContactInformation": [
    {
      "number": "siteTechnicalContactPhone",
      "emailAddress": "siteTechnicalContactEmail@company.com",
      "role": "buyerContactInformation",
      "name": "siteTechnicalContactName"
    }
  ],
  "provideAlternative": false,
  "projectId": "MA_8207",
  "requestedPOQCompletionDate": "2026-12-12T12:09:05Z",
  "productOfferingQualificationItem": [
    {
      "relatedContactInformation": [
        {
          "number": "siteTechnicalContactPhone",
          "emailAddress": "siteTechnicalContactEmail@company.com",
          "role": "locationContact",
          "name": "siteTechnicalContactName"
        }
      ]
    }
  ],
}
```

## Sample Request Body - BasicIalpvc

```

"product": {
  "productOffering": {
    "id": "productOffering_default-Broadband"
  },
  "productConfiguration": {
    "@type": "urn:mef:lso:spec:cantata-sonata:basicIaIpvc:v0.1.0:all",
    "basicIaIpvcEndPoint": {
      "identifier": "123",
      "egressBandwidthProfileEnvelope": { // download
        "ipvcEpEgressBwp": [
          {
            "cir": {
              "irValue": 8000,
              "irUnits": "MBPS"
            },
            "cosName": [
              "Default" // ignored
            ]
          }
        ]
      },
      "ingressBandwidthProfileEnvelope": { //upload, optional
        "ipvcEpIngressBwp": [
          {
            "cir": {
              "irValue": 8000,
              "irUnits": "MBPS"
            },
            "cosName": [
              "Default" // ignored
            ]
          }
        ]
      }
    }
  },
  "place": [
    {
      "role": "INSTALLATION SITE",
      "@type": "GeographicAddressRef",
      "id": "FR8CVW6F43+PFFRS00:FI"
    }
  ],
  "action": "add",
  "id": "1"
}

```

### 1.C. Product AdvancedIalpvc - Request

Request parameters	Type	Required?	Description/Requirements
productOfferingQualificationItem	List of Objects of type ProductOfferingQualificationItem_Create	Yes - 1 items	The BasicIalpvc request must have exactly one ProductOfferingQualificationItem_Create item.

Request parameters	Type	Required?	Description/Requirements
ProductOfferingQualificationItem_Create [0]	Object of type ProductOfferingQualificationItem_Create	Yes	This is the Advancedlalpvc POQ Item
id	Object List of type RelatedContactInformation	Yes	Id of this POQ item which is unique within the POQ. Assigned by the Requester.
action	string	Yes	Action to be performed on the Product Item. [MEF 87]  Supported value: add
relatedContactInformation	List of Objects of type RelatedContactInformation	No	Contact information of an individual or organization playing a role for this POQ Item (e.g. for MEF 79: POQ Item Location Contact, role=locationContact) [MEF 87]  See Common POQ Request Attributes - All Products / relatedContactInformation for the structure
product	Object of type MEFProductRefOrValue	Yes	Used by the Buyer to point to existing and/or describe the desired shape of the product. In case of add action - only productConfiguration MUST be specified. [MEF 87]
productOffering	Object of type ProductOfferingRef	No	A reference to a Product Offering offered by the Seller to the Buyer. A Product Offering contains the commercial and technical details of a Product sold by a particular Seller. A Product Offering defines all of the commercial terms and, through association with a particular Product Specification, defines all the technical attributes and behaviors of the Product. A Product Offering may constrain the allowable set of configurable technical attributes and/or

Request parameters	Type	Required?	Description/Requirements
			behaviors specified in the associated Product Specification. Defined in MEF 79 Section 8.4.1.1 [MEF 87]  The application logic ignores this field.
id	string	Yes	id of a Product Offering. It is assigned by the Seller. The Buyer and the Seller exchange information about offerings' ids during the onboarding process.
productConfiguration	Object of type MEFProduct Configuration	Yes	MEFProductConfiguration is used as an extension point for MEF specific product/service payload. The @type attribute is used as a discriminator.[MEF 87]
@type	string	Yes	Supported value: urn:mef:lso:spec:cantata-sonata:advancedlalpvc:v0.1.0:all
advancedlalpvcEndPoint	Object of type AdvancedlalpvcEndPoint	Yes	The Advanced Internet Access IPVC End Point is a MEF 69.1 defined version of MEF 61.1 IPVC End Point. Reference MEF 69.1 Section 9.2 Internet Access IPVC End Point Requirements. [MEF 139]
identifier	string	Yes	A unique identifier for the IPVC End Point for management purposes. Reference MEF 61.1 Section 11.1 IPVC EP Identifier Service Attribute. [MEF 139]  The application logic ignores this field.
egressBandwidthProfileEnvelope	Object of type IpvcepEgressBwpEnvelope	Yes	Download speed - required
ipvcepEgressBwp	List of Objects of type IpvcepEgressBwp	Yes - 1 item	An Egress Bandwidth for and IPVC End Point with an associated Class of Service identifier.[MEF 139]

Request parameters	Type	Required?	Description/Requirements
maxlr	Object of type Information Rate	Yes	Committed information rate
irValue	number	Yes - minimum 0	The value in the information rate. For example if the information rate is 70 kbps this element is 70.[MEF 139]
irUnits	Enum - string	Yes	Supported values: BPS, KBPS, MBPS, GBPS, TBPS, PBPS, EBPS, ZBPS, YBPS
cosName	List of string	Yes - min 1 item	Class of Service name. [MEF 139]  The application logic ignores this field.
place	List of Objects of type RelatedPlaceRefOrValue	Yes	A list of locations that are related to the Product. For example an installation location [MEF 87]
role	string	Yes	Role of this place. The values that can be specified here are described by Product Specification (e.g. "INSTALL_LOCATION").  Supported value: INSTALLATION SITE
@type	string	Yes	Supported value: GeographicAddressRef
id	string	Yes	Identifier of the location site received during address validation

### Sample Request Body - AdvancedIalpvc

```
{
  "externalId": "22685-R4",
  "instantSyncQualification": false,
  "relatedContactInformation": [
    {
      "number": "siteTechnicalContactPhone",
      "emailAddress": "siteTechnicalContactEmail@company.com",
      "role": "buyerContactInformation",
      "name": "siteTechnicalContactName",
      "organization": "ca",
      "postalAddress": {
        "@type": "FieldedAddress",
        "role": "address of the contact",

```

## Sample Request Body - AdvancedIaIpcv

```

        "city": "Lyon",
        "streetName": "Rue Des Teinturiers",
        "streetNr": "11",
        "postcode": "69003",
        "country": "France",
        "streetType": "street",
        "stateOrProvince": "",
        "locality": "Lyon"
    }
},
"provideAlternative": false,
"projectId": "MA_8207",
"requestedPOQCompletionDate": "2026-12-12T12:09:05Z",
"productOfferingQualificationItem": [
    {
        "relatedContactInformation": [
            {
                "number": "siteTechnicalContactPhone",
                "emailAddress": "siteTechnicalContactEmail@company.com",
                "role": "locationContact",
                "name": "siteTechnicalContactName"
            }
        ],
        "product": {
            "productOffering": {
                "id": "productOffering_default-DIA" // ignored
            },
            "productConfiguration": {
                "@type": "urn:mef:lso:spec:cantata-sonata:advancedIaIpcv:v0.1.0:all",
                "advancedIaIpcvEndPoint": {
                    "identifier": "123",
                    "egressBandwidthProfileEnvelope": {
                        "ipvcEpEgressBwp": [
                            {
                                "maxIr": {
                                    "irValue": 1000,
                                    "irUnits": "MBPS"
                                },
                                "cosName": [
                                    "Internet" // ignored
                                ]
                            }
                        ]
                    }
                }
            }
        }
    }
],
"place": [
    {
        "role": "INSTALLATION SITE",
        "@type": "GeographicAddressRef",
        "id": "FR8FW2F42F+M69BS00:FI"
    }
],
"action": "add",
"id": "1"
}
]
}

```

## Common POQ Response Attributes - All Products

Response Attribute	Attribute Description	Data Type
externalId	As provided by the requester	string

Response Attribute	Attribute Description	Data Type
instantSyncQualification	As provided by the requester	boolean
provideAlternative	As provided by the requester	boolean
projectId	As provided by the requester	string
requestedPOQCompletionDate	As provided by the requester	string(date-time)
relatedContactInformation	Includes the value from the requester and the responder data	List of Objects of type RelatedContactInformation
expectedPOQCompletionDate	The date the responder expects to provide qualification result. Set by the responder in case of providing a deferred response when the POQ is in an acknowledged or inProgress state.	string(date-time)
id	The Serviceability Request's unique identifier assigned by the responder.	string
state	Supported values: <ul style="list-style-type: none"> <li>acknowledged - A request has been received by the Seller, has passed basic validation and the id was assigned. [MEF 87]</li> <li>terminatedWithError - This state is achieved when a well-formed POQ request has been received, but there is insufficient information to complete the POQ [MEF 87]</li> <li>inProgress - There is at least one POQ Item in inProgressstate [MEF 87]</li> <li>done.unableToProvide - This state is set when the Seller is unable to provide a Product Offering Qualification in the timeframe required by the Buyer [MEF 87]</li> <li>done.ready - Reached when all items are in done.ready state [MEF 87]</li> </ul>	Enum - string
stateChange	A log of all state transitions for the POQ. It must be in sync with the most recent POQ Request state. [MEF 87]	List of Objects of type MEFPOQStateChange
changeReason	Additional comment related to state change [MEF 87]	string
changeDate	The date on when the state was reached [MEF 87]	string(date-time)
state	Supported values:	Enum - string

Response Attribute	Attribute Description	Data Type
	<ul style="list-style-type: none"> <li>acknowledged - A request has been received by the Seller, has passed basic validation and the id was assigned. [MEF 87]</li> <li>terminatedWithError - This state is achieved when a well-formed POQ request has been received, but there is insufficient information to complete the POQ [MEF 87]</li> <li>inProgress - There is at least one POQ Item in inProgressstate [MEF 87]</li> <li>done.unableToProvide - This state is set when the Seller is unable to provide a Product Offering Qualification in the timeframe required by the Buyer [MEF 87]</li> <li>done.ready - Reached when all items are in done.ready state [MEF 87]</li> </ul>	
productOfferingQualificationItem	One or more of Product Offering Qualification Items. It MUST contain exactly one entry for each item in the POQ request. [MEF 87]	List of Objects of type ProductOfferingQualificationItem
ProductOfferingQualificationItem entry	Can be the POQ entry for UNI, ELine, BasicIaPVC, AdvancedIaPVC	Object of type ProductOfferingQualificationItem
product	As provided by the requester	Object of type MEFProductReferenceValue
relatedContactInformation	As provided by the requester	Object of type RelatedContactInformation
action	Supported value: add	Enum - string
id	Unique ID of this POQ item, assigned by the requester.	string
state	Supported values based on MEF 87: <ul style="list-style-type: none"> <li>acknowledged - A request has been received by the Seller and has passed basic validation.</li> <li>done.ready - POQ item response is complete. This state does not imply the Responder can deliver the requested item</li> </ul>	Enum - string

Response Attribute	Attribute Description	Data Type
	<ul style="list-style-type: none"> <li>done.abandoned - Applied to a POQ Item if the final state is not reached and another POQ Item moves to a final state other than done</li> <li>terminatedWithError - The information provided by the Requester is insufficient for the Responder to provide POQ Item response</li> <li>inProgress - The Responder is working on a POQ item response and the answer is not ready yet</li> </ul>	
stateChange	A log of all state transitions for the POQ Item. It must be in sync with the most recent POQ Item's state	List of Objects of type MEFPOQItem StateChange
changeReason	Additional comment related to state change [MEF 87]	string
changeDate	The date on when the state was reached [MEF 87]	string(date-time)
state	<p>Supported values based on MEF 87:</p> <ul style="list-style-type: none"> <li>acknowledged - A request has been received by the Seller and has passed basic validation.</li> <li>done.ready - POQ item response is complete. This state does not imply the Responder can deliver the requested item</li> <li>done.abandoned - Applied to a POQ Item if the final state is not reached and another POQ Item moves to a final state other than done</li> <li>terminatedWithError - The information provided by the Requester is insufficient for the Responder to provide POQ Item response</li> <li>inProgress - The Responder is working on a POQ item response and the answer is not ready yet</li> </ul>	Enum - string

## 1.A. Product ELine + UNI - Response

Success Response Example
<p>Code: 200 - OK</p> <pre>{   "externalId": "22685-R4",   "instantSyncQualification": false,   "relatedContactInformation": [</pre>

## Success Response Example

```
{
  "number": "siteTechnicalContactPhone",
  "emailAddress": "siteTechnicalContactEmail@company.com",
  "role": "buyerContactInformation",
  "name": "siteTechnicalContactName",
  "organization": "company",
  "postalAddress": {
    "@type": "FieldedAddress",
    "role": "address of the contact",
    "city": "Lyon",
    "streetName": "Rue Des Teinturiers",
    "streetNr": "11",
    "postcode": "69003",
    "country": "France",
    "streetType": "street",
    "stateOrProvince": "",
    "locality": "Lyon"
  }
},
{
  "number": "123456",
  "emailAddress": "email@companyB.com",
  "role": "buyerContactInformation",
  "postalAddress": {
    "@type": "FieldedAddress",
    "role": "HQ",
    "country": "France",
    "streetNr": "1",
    "postcode": "1000",
    "streetNrLast": "15",
    "streetName": "Avenue",
    "stateOrProvince": "Île-de-France"
  },
  "organization": "Company Telecom",
  "name": "Company Contact Name"
}
],
"provideAlternative": false,
"projectId": "MA_8207",
"requestedPOQCompletionDate": "2026-12-12T12:09:05Z",
"productOfferingQualificationItem": [
  {
    "product": {
      "productOffering": {
        "id": "productOffering_default-UNI"
      },
      "productConfiguration": {
        "@type": "UNI",
        "tokenShareEnabled": false,
        "allToOneBundling": false,
        "linkOamEnabled": false,
        "uniMegEnabled": false,
        "uniEthernetLmiEnabled": false
      },
      "place": [
        {
          "@type": "GeographicAddressRef",
          "role": "INSTALLATION SITE",
          "id": "FR8FQ6QV59+G22RS00:FI"
        }
      ]
    }
  },
  {
    "relatedContactInformation": [
      {
        "number": "siteTechnicalContactPhone",
        "emailAddress": "siteTechnicalContactEmail@company.com",
        "role": "locationContact",
        "name": "siteTechnicalContactName"
      }
    ]
  }
]
```

## Success Response Example

```
    },
    ],
    "action": "add",
    "id": "1",
    "stateChange": [
      {
        "changeReason": "Acknowledged",
        "changeDate": "2026-03-03T10:06:00.966472+02:00",
        "state": "acknowledged"
      }
    ],
    "state": "acknowledged"
  },
  {
    "product": {
      "productOffering": {
        "id": "productOffering_default-ELine"
      },
      "productConfiguration": {
        "@type": "ELine",
        "colorForwardingEnabled": false,
        "UNIIngressBWProfile": [
          {
            "cir": {
              "irValue": 100,
              "irUnits": "MBPS"
            }
          }
        ]
      }
    },
    "qualificationItemRelationship": [
      {
        "relationshipType": "reliesOn",
        "id": "1"
      }
    ],
    "action": "add",
    "id": "2",
    "stateChange": [
      {
        "changeReason": "Acknowledged",
        "changeDate": "2026-03-03T10:06:00.966472+02:00",
        "state": "acknowledged"
      }
    ],
    "state": "acknowledged"
  }
],
"expectedPOQCompletionDate": "2026-03-03T10:36:00.966472+02:00",
"stateChange": [
  {
    "changeReason": "Acknowledged",
    "changeDate": "2026-03-03T10:06:00.9659584+02:00",
    "state": "acknowledged"
  }
],
"id": "42",
"state": "acknowledged"
}
```

## Response attributes and data types: Product ELine + UNI

Response Attribute	Attribute Description	Data Type
productOfferingQualificationItem	Contains two entries: ELine and UNI. Order does not matter	List of Objects of type ProductOfferingQualificationItem
ProductOfferingQualificationItem [0]	This is the UNI item	Object of type ProductOfferingQualificationItem
ProductOfferingQualificationItem [1]	This is the ELine item	Object of type ProductOfferingQualificationItem

### 1.B. Product BasicIaIpvc - Response

#### Success Response Example

Code: 200 - OK

```
{
  "externalId": "22685-R4",
  "instantSyncQualification": false,
  "relatedContactInformation": [
    {
      "number": "siteTechnicalContactPhone",
      "emailAddress": "siteTechnicalContactEmail@company.com",
      "role": "buyerContactInformation",
      "name": "siteTechnicalContactName"
    },
    {
      "number": "123456",
      "emailAddress": "email@company.com",
      "role": "buyerContactInformation",
      "postalAddress": {
        "@type": "FieldedAddress",
        "role": "HQ",
        "country": "France",
        "streetNr": "13",
        "postcode": "92360",
        "streetNrLast": "15",
        "streetName": "Avenue du Maréchal Juin",
        "stateOrProvince": "Île-de-France"
      },
      "organization": "Company Telecom",
      "name": "Company Contact Name"
    }
  ],
  "provideAlternative": false,
  "projectId": "MA_8207",
  "requestedPOQCompletionDate": "2026-12-12T12:09:05Z",
  "productOfferingQualificationItem": [
    {
      "product": {
        "productOffering": {
          "id": "productOffering_default-Broadband"
        },
        "productConfiguration": {
          "@type": "urn:mef:lso:spec:cantata-sonata:basicIaIpvc:v0.1.0:all",
          "basicIaIpvcEndPoint": {
            "egressBandwidthProfileEnvelope": {
              "ipvcEpEgressBwp": [
                {

```

## Success Response Example

```
        "weight": {
          "present": false
        },
        "cir": {
          "irValue": 1000,
          "irUnits": "MBPS"
        },
        "cosName": [
          "Default"
        ]
      ]
    },
    "identifier": "123",
    "ingressBandwidthProfileEnvelope": {
      "ipvcEpIngressBwp": [
        {
          "weight": {
            "present": false
          },
          "cir": {
            "irValue": 1000,
            "irUnits": "MBPS"
          },
          "cosName": [
            "Default"
          ]
        }
      ]
    }
  },
  "place": [
    {
      "@type": "GeographicAddressRef",
      "role": "INSTALLATION SITE",
      "id": "FR8CVW6F88+RG7BS00:FI"
    }
  ]
},
"relatedContactInformation": [
  {
    "number": "siteTechnicalContactPhone",
    "emailAddress": "siteTechnicalContactEmail@company.com",
    "role": "locationContact",
    "name": "siteTechnicalContactName"
  }
],
"action": "add",
"id": "1",
"stateChange": [
  {
    "changeReason": "Acknowledged",
    "changeDate": "2026-03-04T10:53:40.0981327+02:00",
    "state": "acknowledged"
  }
],
"state": "acknowledged"
},
],
"expectedPOQCompletionDate": "2026-03-04T11:23:40.0981327+02:00",
"stateChange": [
  {
    "changeReason": "Acknowledged",
    "changeDate": "2026-03-04T10:53:40.0981327+02:00",
    "state": "acknowledged"
  }
]
],
```

### Success Response Example

```
{
  "id": "45",
  "state": "acknowledged"
}
```

## Response attributes and data types: Product BasicIapvc

Response Attribute	Attribute Description	Data Type
productOfferingQualificationItem	Contains 1 entry: BasicIapvc	List of Objects of type ProductOfferingQualificationItem
ProductOfferingQualificationItem [0]	This is the BasicIapvc item	Object of type ProductOfferingQualificationItem

## 1.C. Product AdvancedIapvc - Response

### Success Response Example

Code: 200 - OK

```
{
  "externalId": "22685-R4",
  "instantSyncQualification": false,
  "relatedContactInformation": [
    {
      "number": "siteTechnicalContactPhone",
      "emailAddress": "siteTechnicalContactEmail@company.com",
      "role": "buyerContactInformation",
      "name": "siteTechnicalContactName"
    },
    {
      "number": "123456",
      "emailAddress": "email@company.com",
      "role": "buyerContactInformation",
      "postalAddress": {
        "@type": "FieldedAddress",
        "role": "HQ",
        "country": "France",
        "streetNr": "13",
        "postcode": "92360",
        "streetNrLast": "15",
        "streetName": "Avenue du Maréchal Juin",
        "stateOrProvince": "Île-de-France"
      },
      "organization": "Company Telecom",
      "name": "Company Contact Name"
    }
  ],
  "provideAlternative": false,
  "projectId": "MA_8207",
  "requestedPOQCompletionDate": "2026-12-12T12:09:05Z",
  "productOfferingQualificationItem": [
    {
      "product": {
        "productOffering": {
          "id": "productOffering_default-DIA"
        },
        "productConfiguration": {
          "@type": "urn:mef:lso:spec:cantata-sonata:advancedIaIpcv:v0.1.0:all",
          "advancedIaIpcvEndPoint": {
            "identifier": "123",

```

## Success Response Example

```
    "egressBandwidthProfileEnvelope": {
      "ipvcEpEgressBwp": [
        {
          "maxIr": {
            "irValue": 100,
            "irUnits": "MBPS"
          },
          "weight": {
            "present": false
          },
          "cosName": [
            "Internet"
          ]
        }
      ]
    },
    "place": [
      {
        "@type": "GeographicAddressRef",
        "role": "INSTALLATION SITE",
        "id": "FR8CVW6F43+PFFRS00:FI"
      }
    ]
  },
  "relatedContactInformation": [
    {
      "number": "siteTechnicalContactPhone",
      "emailAddress": "siteTechnicalContactEmail@company.com",
      "role": "locationContact",
      "name": "siteTechnicalContactName"
    }
  ],
  "action": "add",
  "id": "1",
  "stateChange": [
    {
      "changeReason": "Acknowledged",
      "changeDate": "2026-03-04T10:40:55.6030242+02:00",
      "state": "acknowledged"
    }
  ],
  "state": "acknowledged"
},
"expectedPOQCompletionDate": "2026-03-04T11:10:55.6030242+02:00",
"stateChange": [
  {
    "changeReason": "Acknowledged",
    "changeDate": "2026-03-04T10:40:55.6025104+02:00",
    "state": "acknowledged"
  }
],
"id": "44",
"state": "acknowledged",
"validationResult": "success",
"provideAlternative": false,
"submittedGeographicAddress": {
  "@type": "FieldedAddress",
  "country": "United States",
  "streetType": "drive",
  "city": "Chicago",
  "streetNr": "100",
  "locality": "Chicago",
  "postcode": "60606",
  "streetName": "Wacker",
  "stateOrProvince": "Illinois",
  "streetSuffix": "S"
}
```

### Success Response Example

```

    },
    "bestMatchGeographicAddress": {
      "@type": "FieldedAddress",
      "id": "US86HJV9J7+422BM00:FI",
      "country": "USA",
      "streetType": "Dr",
      "city": "Chicago",
      "streetNr": "100",
      "postcode": "60606",
      "streetName": "Wacker",
      "stateOrProvince": "Illinois",
      "streetSuffix": "S"
    }
  }
}

```

### Response attributes and data types: Product Advancedlapvc

Response Attribute	Attribute Description	Data Type
productOfferingQualificationItem	Contains 1 entry: Advancedlapvc	List of Objects of type ProductOfferingQualificationItem
ProductOfferingQualificationItem [0]	Object of type ProductOfferingQualificationItem	This is the Advancedlapvc item

### Common POQ Error Responses

#### Code 401 - Unauthorized

```

{
  "code": "missingCredentials",
  "reason": "access denied due to missing subscription key. make sure to include subscription key when making requests to an api."
}

```

```

{
  "code": "invalidCredentials",
  "reason": "unauthorized"
}

```

#### Code 422 - Unprocessable Entity

```

{
  "reason": "instantSyncQualification must be false. True is not supported at the moment",
  "code": "invalidValue",
  "propertyPath": "instantSyncQualification"
}

```

#### Code 400 - Bad Request

```

{
  "reason": "Invalid JSON body",
  "code": "invalidBody",
  "message": "Invalid date-time format. Please use ISO 8601 format, e.g., '2024-01-01T12:00:00Z'."
}

```

## GET - Retrieve POQ by Identifier

A request initiated to retrieve the latest POQ information using an identifier.

### Requirements and Special Considerations

In case id does not identify a POQ that belongs to the Buyer an error response 404 must be returned. A correct response includes at least POQ unique id and up-to-date state assigned to POQ and all its items.

POQ can be in an intermediate (inProgress) or one of the final states (done.ready, done.unableToProvide , or terminatedWithError). [MEF 87]

The response structure matches the 1. POST Create Product Offering Qualification response, with a few additional fields populated.

### Request URL

<https://api.connectbase.com/mef/sonata/poq/dolly/productOfferingQualification/{id}>

Request parameters	Type	Required?	Description
id (path parameter)	string	Yes	The identifier of the address to retrieve details for
sellerId (query parameter)	string	No	The unique identifier of the organization that is acting as the Seller. MUST be specified in the request only when responding entity represents more than one Seller. Reference: MEF 79 (Sn 8.8)  This parameter acts as supplierId.  Example: sellerId=RETELIT

Request headers	Type	Required?	Description
Ocp-Apim-Subscription-key	string	Yes	The subscription key that provides access to this API, which can be found in your Profile.
Authorization	string	Yes	Header for OAuth 2.0 token. Value must contain text 'Bearer' + token value.  Example: Authorization='Bearer eysG...'

### Success Response Example GET - Retrieve POQ by Identifier

Code: 200 - OK

"state": "inProgress"

## Success Response Example GET - Retrieve POQ by Identifier

```
{
  "externalId": "22685-R4",
  "instantSyncQualification": false,
  "relatedContactInformation": [
    {
      "number": "siteTechnicalContactPhone",
      "emailAddress": "siteTechnicalContactEmail@company.com",
      "role": "buyerContactInformation",
      "name": "siteTechnicalContactName"
    },
    {
      "number": "123456",
      "emailAddress": "email@company.com",
      "role": "buyerContactInformation",
      "postalAddress": {
        "@type": "FieldedAddress",
        "role": "HQ",
        "country": "France",
        "streetNr": "13",
        "postcode": "92360",
        "streetNrLast": "15",
        "streetName": "Avenue du Maréchal Juin",
        "stateOrProvince": "Île-de-France"
      },
      "organization": "company Telecom",
      "name": "company Contact Name"
    }
  ],
  "provideAlternative": false,
  "projectId": "MA_8207",
  "requestedPOQCompletionDate": "2026-12-12T12:09:05Z",
  "productOfferingQualificationItem": [
    {
      "product": {
        "productOffering": {
          "id": "productOffering_default-Broadband"
        },
        "productConfiguration": {
          "@type": "urn:mef:lso:spec:cantata-sonata:basicIaIpv6:v0.1.0:all",
          "basicIaIpv6EndPoint": {
            "egressBandwidthProfileEnvelope": {
              "ipv6EgressBwp": [
                {
                  "weight": {
                    "present": false
                  },
                  "cir": {
                    "irValue": 1000,
                    "irUnits": "MBPS"
                  },
                  "cosName": [
                    "Default"
                  ]
                }
              ]
            },
            "ingressBandwidthProfileEnvelope": {
              "ipv6IngressBwp": [
                {
                  "weight": {
                    "present": false
                  },
                  "cir": {
                    "irValue": 1000,
                    "irUnits": "MBPS"
                  },
                  "cosName": [

```

## Success Response Example GET - Retrieve POQ by Identifier

```
        "Default"
      ]
    }
  ],
  "place": [
    {
      "@type": "GeographicAddressRef",
      "role": "INSTALLATION SITE",
      "id": "FR8CVW6F88+RG7BS00:FI"
    }
  ],
  "relatedContactInformation": [
    {
      "number": "siteTechnicalContactPhone",
      "emailAddress": "siteTechnicalContactEmail@company.com",
      "role": "locationContact",
      "name": "siteTechnicalContactName"
    }
  ],
  "action": "add",
  "id": "1",
  "stateChange": [
    {
      "changeReason": "Acknowledged",
      "changeDate": "2026-02-20T10:38:06.839219417Z",
      "state": "acknowledged"
    },
    {
      "changeReason": "In Progress",
      "changeDate": "2026-02-20T10:38:06.891995571Z",
      "state": "inProgress"
    }
  ],
  "state": "inProgress"
},
"expectedPOQCompletionDate": "2026-02-20T11:08:06.839221618Z",
"stateChange": [
  {
    "changeReason": "Acknowledged",
    "changeDate": "2026-02-20T10:38:06.839199153Z",
    "state": "acknowledged"
  },
  {
    "changeReason": "In Progress",
    "changeDate": "2026-02-20T10:38:06.892000725Z",
    "state": "inProgress"
  }
],
"id": "108",
"state": "inProgress"
}
```

Code: 200 - OK

"state": "done.ready"

"serviceabilityConfidence": "green"

```
{
  "externalId": "22685-R4",
  "instantSyncQualification": false,
  "relatedContactInformation": [
    {
```

## Success Response Example GET - Retrieve POQ by Identifier

```
"number": "siteTechnicalContactPhone",
"emailAddress": "siteTechnicalContactEmail@company.com",
"role": "buyerContactInformation",
"name": "siteTechnicalContactName"
},
{
  "number": "123456",
  "emailAddress": "email@company.com",
  "role": "buyerContactInformation",
  "postalAddress": {
    "@type": "FieldedAddress",
    "role": "HQ",
    "country": "France",
    "streetNr": "13",
    "postcode": "92360",
    "streetNrLast": "15",
    "streetName": "Avenue du Maréchal Juin",
    "stateOrProvince": "Île-de-France"
  },
  "organization": "company Telecom",
  "name": "company Contact Name"
}
],
"provideAlternative": false,
"projectId": "MA_8207",
"requestedPOQCompletionDate": "2026-12-12T12:09:05Z",
"productOfferingQualificationItem": [
  {
    "product": {
      "productOffering": {
        "id": "productOffering_default-Broadband"
      },
      "productConfiguration": {
        "@type": "urn:mef:lso:spec:cantata-sonata:basicIaIpvC:v0.1.0:all",
        "basicIaIpvCEndPoint": {
          "egressBandwidthProfileEnvelope": {
            "ipvCepEgressBwp": [
              {
                "weight": {
                  "present": false
                },
                "cir": {
                  "irValue": 8000,
                  "irUnits": "MBPS"
                },
                "cosName": [
                  "Default"
                ]
              }
            ]
          },
          "ingressBandwidthProfileEnvelope": {
            "ipvCepIngressBwp": [
              {
                "weight": {
                  "present": false
                },
                "cir": {
                  "irValue": 8000,
                  "irUnits": "MBPS"
                },
                "cosName": [
                  "Default"
                ]
              }
            ]
          }
        }
      }
    },
    "identifier": "123",
    "ingressBandwidthProfileEnvelope": {
      "ipvCepIngressBwp": [
        {
          "weight": {
            "present": false
          },
          "cir": {
            "irValue": 8000,
            "irUnits": "MBPS"
          },
          "cosName": [
            "Default"
          ]
        }
      ]
    }
  }
]
```

## Success Response Example GET - Retrieve POQ by Identifier

```
    },
    "place": [
      {
        "@type": "GeographicAddressRef",
        "role": "INSTALLATION SITE",
        "id": "FR8CVW6F43+PFFRS00:FI"
      }
    ]
  },
  "relatedContactInformation": [
    {
      "number": "siteTechnicalContactPhone",
      "emailAddress": "siteTechnicalContactEmail@company.com",
      "role": "locationContact",
      "name": "siteTechnicalContactName"
    }
  ],
  "action": "add",
  "id": "1",
  "serviceabilityConfidence": "green",
  "stateChange": [
    {
      "changeReason": "Acknowledged",
      "changeDate": "2026-03-04T09:24:04.150627486Z",
      "state": "acknowledged"
    },
    {
      "changeReason": "In Progress",
      "changeDate": "2026-03-04T09:24:04.323216987Z",
      "state": "inProgress"
    },
    {
      "changeReason": "Done",
      "changeDate": "2026-03-04T09:24:22.669035925Z",
      "state": "done.ready"
    }
  ],
  "state": "done.ready"
},
"expectedPOQCompletionDate": "2026-03-04T09:54:04.150664219Z",
"stateChange": [
  {
    "changeReason": "Acknowledged",
    "changeDate": "2026-03-04T09:24:04.150586839Z",
    "state": "acknowledged"
  },
  {
    "changeReason": "In Progress",
    "changeDate": "2026-03-04T09:24:04.323226612Z",
    "state": "inProgress"
  },
  {
    "changeReason": "Done",
    "changeDate": "2026-03-04T09:24:22.669045952Z",
    "state": "done.ready"
  }
],
"id": "123",
"state": "done.ready"
}
```

## GET - Retrieve POQ by Identifier response attributes and data types

Response Attribute	Attribute Description	Data Type
ProductOfferingQualificationItem [0]	This is one of the following items: BasicIalpvc, AdvancedIalpvc, ELine, UNI.  Provides only the extra fields populated compared to the Create Product Offering Qualification response	Object of type ProductOfferingQualificationItem
serviceabilityConfidence	A color that indicates confidence to service the request. When the item state is done.ready the Responder [Seller(MEF 87)] <b>MUST</b> provide a value. It <b>MUST NOT</b> be populated for other states.[MEF 87]  Supported values: <ul style="list-style-type: none"> <li>• green - The Responder is confident this Product can be delivered</li> <li>• yellow - The Responder believes they can deliver the Product but lacks strong confidence</li> <li>• red - The responder cannot deliver the Product as specified</li> </ul>	Enum - string
installationInterval	Install interval	Object of type Duration
amount	Duration (number of seconds, minutes, hours, etc.) [MEF 87]	integer
units	Supported values: <ul style="list-style-type: none"> <li>• calendarDays</li> <li>• businessDays</li> </ul>	string

### Error Response Example

Code 401 - Unauthorized

```
{
  "code": "missingCredentials",
  "reason": "access denied due to missing subscription key. make sure to include
subscription key when making requests to an api."
}
```

```
{
  "code": "invalidCredentials",
  "reason": "unauthorized"
}
```

404 - Not Found

### Error Response Example

```
{  
  "reason": "Product Offering Qualification not found",  
  "code": "responseStatusException"  
}
```

## Notification events: POST - POQ Register Listener

A request instructing the Responder to send POQ notifications if the Requester has registered for them.

### Requirements and Special Considerations

The state change notifications are sent only in the Deferred response scenario [MEF 87]

The requester must store the id received in the response to remove it if changes are needed.

### Request URL

<https://api.connectbase.com/mef/sonata/poq/dolly/hub>

Request parameters	Type	Required?	Description
query	string	No	This attribute is used to define to which type of events to register to. Example: "query": "eventType = poqCreateEvent". To subscribe for more than one event type, put the values separated by comma: eventType=poqCreateEvent,p oqStateChangeEvent. The possible values are enumerated by the 'POQEventType' in productOfferingQualification Notification.api.yaml. An empty query is treated as specifying no filters - ending in subscription for all event types.[MEF 87]
callback	string	Yes	The requester's webhook/ callback URL that will receive POQ events.

Request headers	Type	Required?	Description
Ocp-Apim-Subscription-key	string	Yes	The subscription key that provides access to this API, which can be found in your Profile.
Authorization	string	Yes	Header for OAuth 2.0 token. Value must contain text 'Bearer' + token value.  Example: Authorization='Bearer eysG...'

### Example POST - POQ Register Listener Request

```
{
  "query": "poqCreateEvent,poqStateChangeEvent",
  "callback": "https://api.company.com/listener"
}
```

### Success Response Example POST - POQ Register Listener

Code: 200 - OK

```
{
  "query": "poqCreateEvent,poqStateChangeEvent",
  "callback": "https://api.company.com/listener",
  "id": "1"
}
```

### POST - POQ Register Listener response attributes and data types

Response Attribute	Attribute Description	Data Type
query	The value provided by the Requester	string
callback	The value provided by the Requester	string
id	An identifier for this Event Subscription assigned by the Responder when creating a resource.	string

### Error Response Example

Code 401 - Unauthorized

```
{
  "code": "missingCredentials",
  "reason": "access denied due to missing subscription key. make sure to include subscription key when making requests to an api."
}
```

```
{
  "code": "invalidCredentials",
  "reason": "unauthorized"
}
```

404 - Not Found

```
{
  "reason": "Invalid JSON body",
  "code": "invalidBody",
  "message": "Validation failed for field 'callback' with value 'null'. Message: must not be null"
}
```

## Notification events: DELETE - POQ Unregister Listener

A request instructing the Responder to remove POQ notifications of if the Requester has registered for them.

### Requirements and Special Considerations

The state change notifications are sent only in the Deferred response scenario [MEF 87]

### Request URL

https://api.connectbase.com/mef/sonata/poq/dolly/hub/{id}

Request parameters	Type	Required?	Description
id (path parameter)	string	Yes	Identifier of the EventSubscription [MEF 87]

Request headers	Type	Required?	Description
Ocp-Apim-Subscription-key	string	Yes	The subscription key that provides access to this API, which can be found in your Profile.
Authorization	string	Yes	Header for OAuth 2.0 token. Value must contain text 'Bearer' + token value.  Example: Authorization='Bearer eysG...'

### Success Response Example DELETE - POQ Unregister Listener

Code: 200 - OK

```
{
  "@type": "FieldedAddress",
  "id": "FR8FQ6QV59+G22RS00:FI",
  "country": "FRA",
  "city": "LYON",
  "streetNr": "11",
  "postcode": "69003",
  "streetName": "Rue Des Teinturiers",
  "stateOrProvince": "Auvergne-rhone-alpes"
}
```

### DELETE - POQ Unregister Listener response attributes and data types

Response Attribute	Attribute Description	Data Type
@type	Type of the returned address object.  Supported value: FieldedAddress	string
id	Unique identifier of the place [MEF 121]	string
streetNr	Number identifying a specific property on a public street. It may be combined with	string

Response Attribute	Attribute Description	Data Type
	streetNrLast for ranged addresses.[MEF 121]	
streetNrLast	Last number in a range of street numbers allocated to a property [MEF 121]	string
streetName	Name of the street.	string
streetSuffix	Street direction or modifier (e.g., "S" in "S Wacker Dr")	string
streetType	The type of street (e.g., alley, avenue, boulevard, brae, crescent, drive, highway, lane, terrace, parade, place, tarn, way, wharf) [MEF 121]	string
city	The city that the address is in [MEF 121]	string
postcode	A descriptor for a postal delivery area used to speed and simplify the delivery of mail (also known as zip code) MEF 79 defines it as required however as in certain countries it is not used we make it optional in API. [MEF 121]	string
stateOrProvince	The State or Province that the address is in [MEF 121]	string
country	The country that the address is in [MEF 121]	string

### Error Response Example

#### Code 401 - Unauthorized

```
{
  "code": "missingCredentials",
  "reason": "access denied due to missing subscription key. make sure to include
subscription key when making requests to an api."
}
```

```
{
  "code": "invalidCredentials",
  "reason": "unauthorized"
}
```

#### 404 - Not Found

```
{
  "reason": "Address not found for id: FR8FQ6QV59+G22RS00:FI1",
  "message": "Provided id does not exist in the system. Please provide a valid id.
MefAddressType is unknown.",
  "code": "notFound"
}
```

# Revision History

Revision	Date	Description
00	March 9, 2026	This is the initial release for supported APIs for MEF Product Offering Qualification Management.