

TM Forum Specification

Product Offering Qualification

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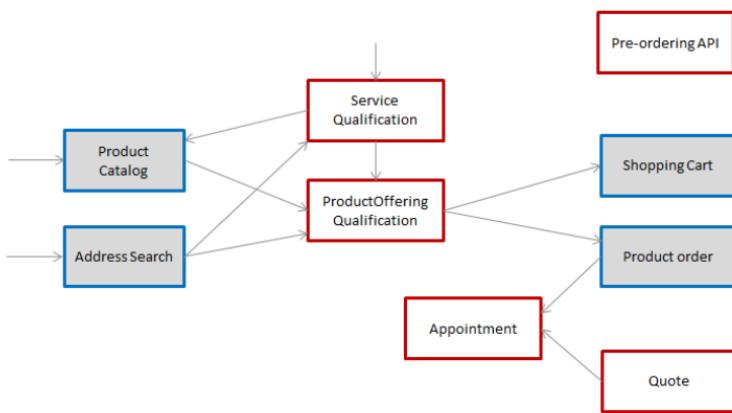
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Introduction

The following document is the specification of the REST API for ProductOfferingQualification management. It includes the model definition as well as all available operations. In the Open Digital Economy where multiple actors (SDPs, CSPs, ...) may be involved with the delivery of an end-to end service, those actors need to collaborate and interact with the customer as needed. Following diagram shows ProductOfferingQualification API within pre-ordering API package :



ProductOfferingQualification API is one of Pre-Ordering Management API Family. The Product Offering Qualification API provides a standardized mechanism for placing a qualification request to check offer commercial eligibility with all of the necessary parameters. The API consists of a simple set of operations that interact with Catalog and Inventory systems in a consistent manner. A Product Offering Qualification is created based on a product offers that are defined in a catalog. Product Offering Qualification API is one of Pre-Ordering Management API Family. Product Offering Qualification API goal is to provide Product Offering commercial eligibility, with 2 resources :

- CheckProductOfferingQualification
- QueryProductOfferingQualification

CheckProductOfferingQualification allows to :

- request a specific productOffering (of an array of productOffering) eligibility as an input a configured customer context. The requester will provide an array of product offering qualification item and expect to have a qualification result for each one of them.
- in the request, the following attributes could/must be filled :
 - relatedParty, for which the qualification must be done
 - place,(where the customer wants his productOffering)

- channel, (sale channel of the current interaction where to make the qualification)
- expected activation date.
- In the response, the API will provide qualification result but also :
 - Eligibility result reason (if any)
 - Alternate product offering proposal (if any).

QueryProductOfferingQualification allows to :

- look for productOffering eligible (or not) from a product category
- look for productOffering eligible (or not) from a productSpec description.
- in the request, the following attributes could/must be filled : productOffering, or productSpec, or productCategory will be indicated (at least one is mandatory)

Because the API allows describing product from the inventory, it is also possible to use it to retrieve productOffering available to complete existing product.

ProductOfferingQualification API could be used... ... Before Shopping Cart or ProductOrder API ... After recommendation API to filtering result(s).

Product Offering Qualification API performs the following operations on Product Offering Qualification :

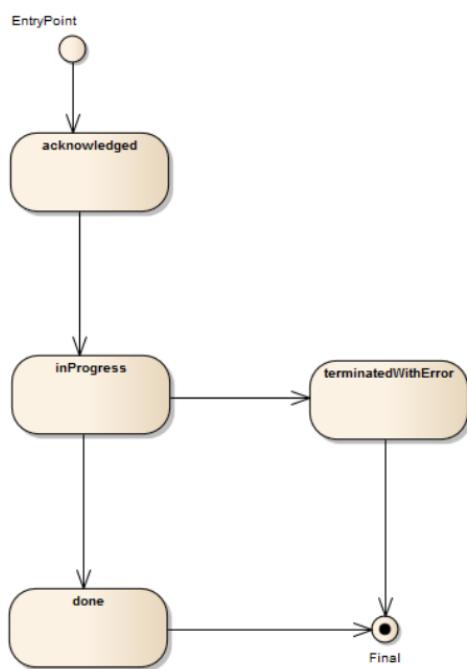
- Retrieval of a Product Offering Qualification or a collection of Product Offering Qualification depending on filter criteria
- Partial update of a Product Offering Qualification
- Creation of a Product Offering Qualification
- Deletion of Product Offering Qualification (for administration purposes)
- Notification of events on Product Offering Qualification
 - Product Offering Qualification creation
 - Product Offering Qualification removal
 - Product Offering Qualification state change
 - Product Offering Qualification value change used to notify that any data in a Product Offering Qualification has just changed

The following Assumptions were considered in the development of this document :

- The Product Offering Qualification management system has access to the commercial catalog system

Lifecycle

The state machine specifying the typical state change transitions is provided below. This is standard task based resource lifecycle:



State	Definition
InProgress	The In Progress state is when the POQ is currently in the hands of the SP sales team to assess customer qualification request. Everything should be updatable in this state.
Acknowledged	The acknowledged state is where a POQ request has been received and has passed message and basic business validations.
TerminatedWithError	The CPOQ or QPOQ could not be correctly completed by SP sales team. Qualification is not available or partial.
Done	Qualification has been done. The POQ is ready for client.

Sample Use Cases

Reader will find example of use cases using Usage API in “Open Digital Business Scenarios and Use Cases” document.

For QueryProductOfferingQualification :

- Perform a request for a broadband offer on the Web channel for a specific geographic location. The product offering qualification result is qualified

For CheckProductOfferingQualification :

- Perform a request for a new eLine on an existing UNI. The product offering qualification result is alternate – requested eLine capabilities are not available but alternate configuration is available.
- Retrieve the list of productOfferingQualification with result qualified.

Support of polymorphism and extension patterns

Support of polymorphic collections and types and schema based extension is provided by means of a list of generic meta-attributes that we describe below. Polymorphism in collections occurs when entities inherit from base entities, for instance a BillingAccount and SettlementAccount inheriting properties from the abstract Account entity.

Generic support of polymorphism and pattern extensions is described in the TMF API Guidelines v3.0 Part 2 document.

The @type attribute provides a way to represent the actual class type of an entity. For example, within a list of Account instances some may be instances of BillingAccount where other could be instances of SettlementAccount. The @type gives this information. All resources and sub-resources of this API have a @type attributes that can be provided when this is useful.

The @referredType can be used within reference entities (like for instance an AccountRef object) to explicitly denote the actual entity type of the referred class. Notice that in reference entities the @type, when used, denotes the class type of the reference itself, such as BillingAccountRef or SettlementAccountRef, and not the class type of the referred object. However since reference classes are rarely sub-classed, @type is generally not useful in reference objects.

The @schemaLocation property can be used in resources to allow specifying user-defined properties of an Entity or to specify the expected characteristics of an entity.

The @baseType attribute gives a way to provide explicitly the base of class of a given resource that has been extended.

RESOURCE MODEL

ProductOfferingQualification is used to perform a commercial eligibility. It allows to retrieve a list of productOffering that are commercially available in the context of the interaction (defined be place, channel, party, product).

Managed Entity and Task Resource Models

CheckProductOfferingQualification resource

CheckProductOfferingQualification is used to perform a commercial eligibility. It allows to request an eligibility check for a list of productOfferings (one per item). The response will provide qualification result depending on catalog rules and of the context of the interaction (defined be place, channel, party, product).

Resource model

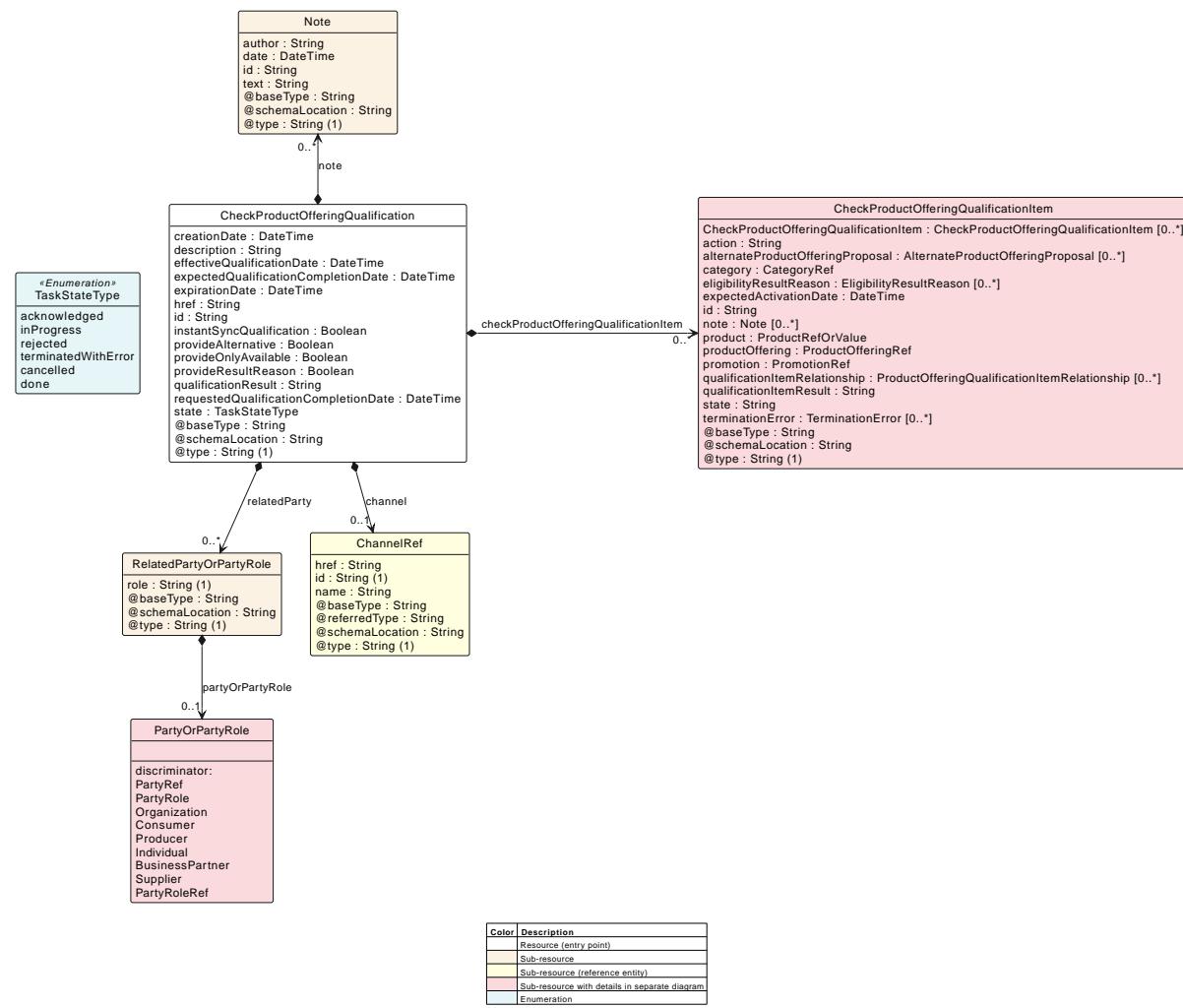


Figure 1 - CheckProductOfferingQualification

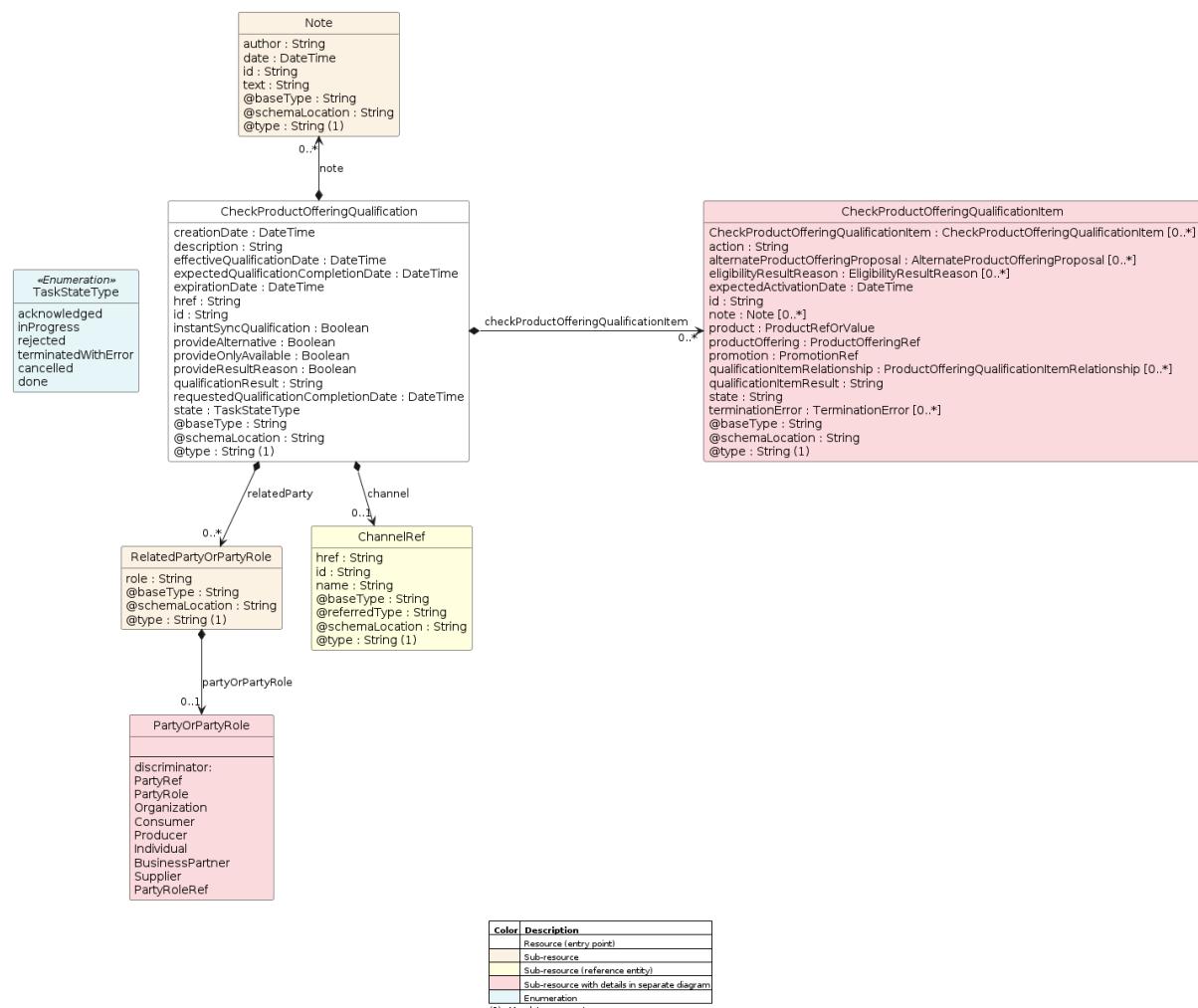


Figure 2 - CheckProductOfferingQualification

[.] | .//

Figure 3 - Organization

[.] | .//

Figure 4 - Organization

[.] | .//

Figure 5 - Intent

[.] | .//

Figure 6 - Intent

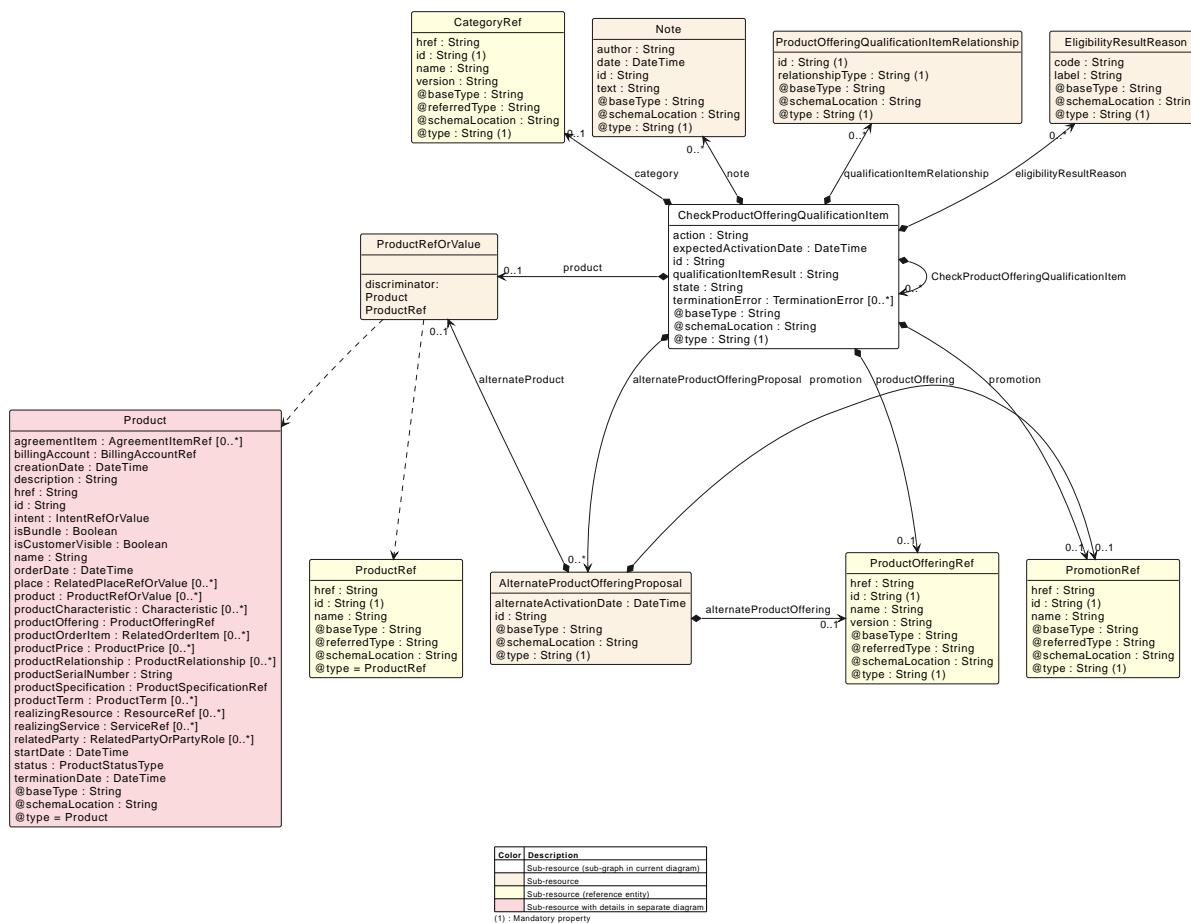


Figure 7 - CheckProductOfferingQualificationItem

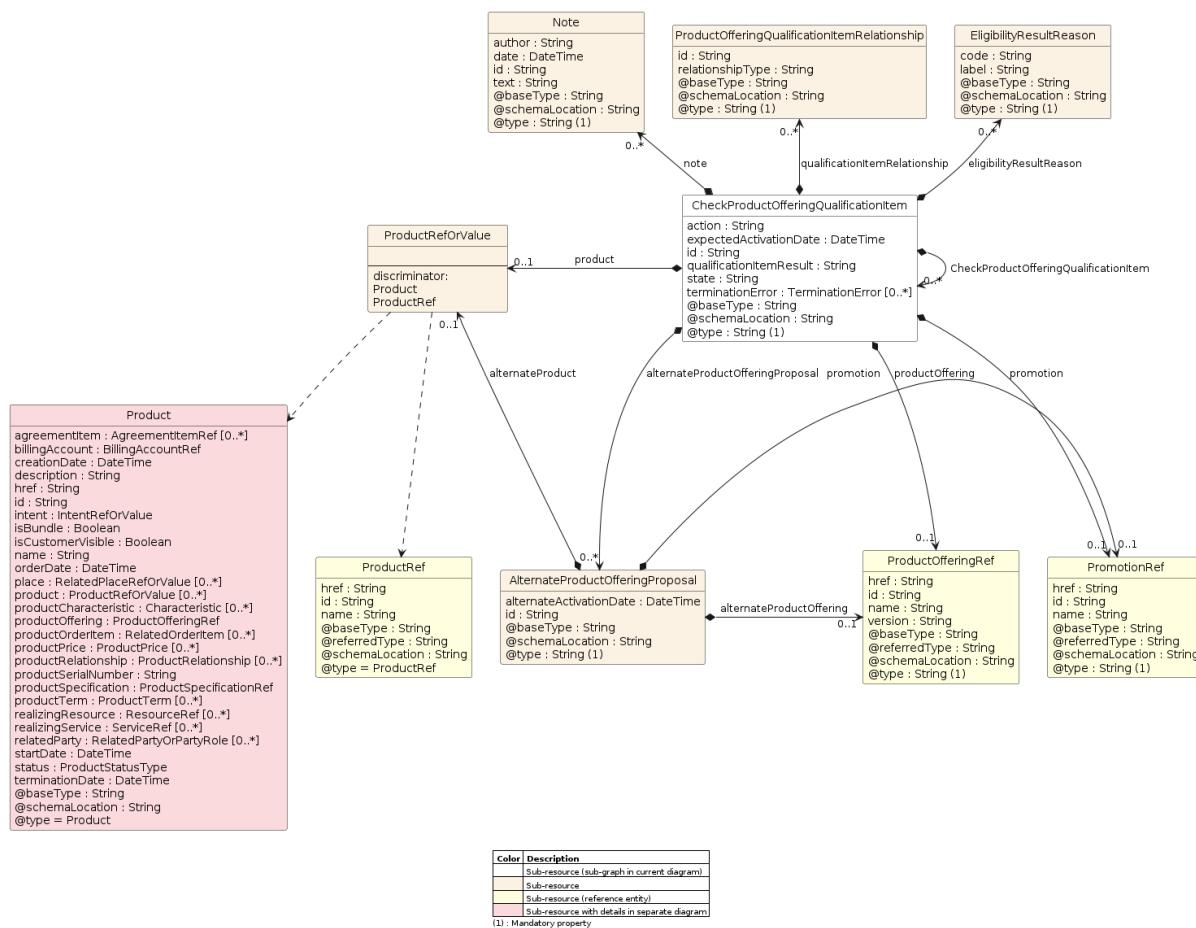


Figure 8 - CheckProductOfferingQualificationItem

[.] | .//

Figure 9 - Individual

[.] | .//

Figure 10 - Individual

[.] | .//

Figure 11 - GeographicSiteFeature

[.] | .//

Figure 12 - GeographicSiteFeature

[.] | .//

Figure 13 - GeographicAddress

[.] | .//

Figure 14 - GeographicAddress

[.] | .//

Figure 15 - Party

[.] | .//

Figure 16 - Party

[.] | .//

Figure 17 - PartyOrPartyRole

[.] | .//

Figure 18 - PartyOrPartyRole

[.] | .//

Figure 19 - PartyRole

[.] | .//

Figure 20 - PartyRole

[.] | .//

Figure 21 - Product

[.] | .//

Figure 22 - Product

Field descriptions

CheckProductOfferingQualification fields

channel	A ChannelRef. The channel to which the resource reference to. e.g. channel for selling product offerings, channel for opening a trouble ticket etc..
checkProductOfferingQualificationItem	A CheckProductOfferingQualificationItem.
creationDate	A DateTime. Date and time when the CheckProductOfferingQualification was created.
description	A String. Description of the CheckProductOfferingQualification.
effectiveQualificationDate	A DateTime. Effective date to CheckProductOfferingQualification completion.
expectedQualificationCompletionDate	A DateTime. Expected Date from server side to provide an answer for the check qualification request.
expirationDate	A DateTime. Date the qualification response expires.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
instantSyncQualification	DEPRECATED A Boolean. A previous indicator which when the value is "true" means that requester expects to get qualifcation result immedi3ately in the response. If the indicator is true (or by default now without it) then the response code of 200 indicates the operation is successful otherwise a task is created with a response 201. For asynchronous, this attribute is now replaced by the header request "Expect: 202-Accepted".

note	A Note. Extra information about a given entity.
provideAlternative	A Boolean. An indicator which when the value is "true" means that alternative solutions should be provided.
provideOnlyAvailable	A Boolean. An indicator which when the value is "true" means that only available product offering must be listed in the response.
provideResultReason	A Boolean. An indicator which when the value is "true" means that result reason are expected for available or not of product offering.
qualificationResult	A String. Result of the qualification (example: green, yellow, red).
relatedParty	A RelatedPartyOrPartyRole. RelatedParty reference. A related party defines party or party role or its reference, linked to a specific entity.
requestedQualificationCompletionDate	A DateTime. Deadline date when the requester expected a qualification answer.
state	A TaskStateType. Possible values for the state of a task. ENUMERATED with values: * acknowledged * rejected * inProgress * cancelled * done * terminatedWithError
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

Note sub-resource fields

author	A String. Author of the note.
date	A DateTime. Date of the note.
id	A String. Identifier of the note within its containing entity.
text	A String. Text of the note.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

RelatedPartyOrPartyRole sub-resource fields

partyOrPartyRole	A PartyOrPartyRole.
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role	A String. Role played by the related party or party role in the context of the specific entity it is linked to. Such as 'initiator', 'customer', 'salesAgent', 'user'.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

ChannelRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

CheckProductOfferingQualificationItem sub-resource fields

CheckProductOfferingQualificationItem	A CheckProductOfferingQualificationItem.
action	A String. Action to be performed on a ProductOffering or product in order to be qualified(add, modify, remove, etc.).
alternateProductOfferingProposal	An AlternateProductOfferingProposal. Alternate product Offering proposal is used when the requested product offering is not available with characteristic and date asked for. An alternate proposal could be a distinct product offering or product Spec close to requested one or same as requested but with a different activation date.
category	A CategoryRef. Reference to a category in the catalog.
eligibilityResultReason	An EligibilityResultReason. Reason for understanding the eligibility result, whatever the result is (availability or unavailability).
expectedActivationDate	A DateTime. Date when the requester look for productOfferingQualification activation.
id	A String. Identifier of the CheckProductOfferingQualification item (generally it is a sequence number 01, 02, 03, ...).
note	A Note. Extra information about a given entity.

product	A ProductRefOrValue. The polymorphic attributes @type, @schemaLocation & @referredType are related to the Product entity and not the ProductRefOrValue class itself.
productOffering	A ProductOfferingRef. ProductOffering reference. A product offering represents entities that are orderable from the provider of the catalog, this resource includes pricing information.
promotion	A PromotionRef. Promotion reference. Promotion Resource is used to provide the additional discount, voucher, bonus or gift to the customer who meets the pre-defined criteria. Using promotion, the enterprise is able to attract the users and encourage more consumption, especially continuous purchases.
qualificationItemRelationship	A ProductOfferingQualificationItemRelationship. Structure used to describe relationship between productOfferingQualification item from the same ProductOfferingQualification.
qualificationItemResult	A String. Qualification result for this checkProductOfferingQualification item. It could be qualified (request productOffering or productSpecification are available), unqualified (requested not available and not alternate available), alternate (requested not available but alternate proposal available).
state	A String. State of the CheckProductOfferingQualification item : described in the state machine diagram.
terminationError	A TerminationError. Extra information about a given entity.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

PartyRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

PartyRole sub-resource fields

account	An AccountRef. Account reference. A account may be a party account or a financial account.
agreement	An AgreementRef. Agreement reference. An agreement represents a contract or arrangement, either written or verbal and sometimes enforceable by law, such as a service level agreement or a customer price agreement. An agreement involves a number of other business entities, such as products, services, and resources and/or their specifications.
characteristic	<p>A Characteristic. Describes a given characteristic of an object or entity through a name/value pair. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : StringCharacteristic, ObjectCharacteristic, FloatCharacteristic, BooleanCharacteristic, NumberCharacteristic, IntegerCharacteristic, StringArrayCharacteristic, ObjectArrayCharacteristic, BooleanArrayCharacteristic, NumberArrayCharacteristic, IntegerArrayCharacteristic...</p> <p>Characteristic can be instantiated as</p> <ul style="list-style-type: none"> * BooleanArrayCharacteristic * BooleanCharacteristic * IntegerArrayCharacteristic * IntegerCharacteristic * NumberArrayCharacteristic * NumberCharacteristic * ObjectArrayCharacteristic * ObjectCharacteristic * StringArrayCharacteristic * StringCharacteristic
contactMedium	A ContactMedium. Indicates the contact medium that could be used to contact the party. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : EmailContactMedium, FaxContactMedium, PhoneContactMedium, GeographicAddressContactMedium, SocialMediaContactMedium...
creditProfile	A CreditProfile. Credit profile for the party (containing credit scoring, ...). By default only the current credit profile is retrieved. It can be used as a list to give the party credit profiles history, the first one in the list will be the current one.
description	A String. A description of the PartyRole.
engagedParty	A PartyRef. A Party reference.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. A word, term, or phrase by which the PartyRole is known and distinguished from other PartyRoles. It's the name of the PartyRole unique entity.
partyRoleSpecification	A PartyRoleSpecificationRef. Party role specification reference. A party role specification gives additional details on the part played by a party in a given context.

paymentMethod	A PaymentMethodRef. PaymentMethod reference. A payment method defines a specific mean of payment (e.g direct debit).
relatedParty	A RelatedPartyOrPartyRole. RelatedParty reference. A related party defines party or party role or its reference, linked to a specific entity.
role	A String. Role played by the engagedParty in this context. As role is defined by partyRoleSpecification, this role attribute can be used to precise the role defined by partyRoleSpecification, or it can be used to define the role in case there is no partyRoleSpecification.
status	A String. Used to track the lifecycle status of the party role.
statusReason	A String. A string providing an explanation on the value of the status lifecycle. For instance if the status is Rejected, statusReason will provide the reason for rejection.
validFor	A TimePeriod. A period of time, either as a deadline (endDateTime only) a startDateTime only, or both.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.
	PartyRole can be instantiated as * BusinessPartner * Consumer * Producer * Supplier

Organization sub-resource fields

contactMedium	A ContactMedium. Indicates the contact medium that could be used to contact the party. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : EmailContactMedium, FaxContactMedium, PhoneContactMedium, GeographicAddressContactMedium, SocialMediaContactMedium...
creditRating	A PartyCreditProfile. An individual might be evaluated for its worthiness and this evaluation might be based on a credit rating given by a credit agency.
existsDuring	A TimePeriod. A period of time, either as a deadline (endDateTime only) a startDateTime only, or both.

externalReference	An ExternalIdentifier. An identification of an entity that is owned by or originates in a software system different from the current system, for example a ProductOrder handed off from a commerce platform into an order handling system. The structure identifies the system itself, the nature of the entity within the system (e.g. class name) and the unique ID of the entity within the system. It is anticipated that multiple external IDs can be held for a single entity, e.g. if the entity passed through multiple systems on the way to the current system. In this case the consumer is expected to sequence the IDs in the array in reverse order of provenance, i.e. most recent system first in the list.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
isHeadOffice	A Boolean. If value is true, the organization is the head office.
isLegalEntity	A Boolean. If value is true, the organization is a legal entity known by a national referential.
name	A String. Organization name (department name for example).
nameType	A String. Type of the name : Co, Inc, Ltd, etc.
organizationChildRelationship	An OrganizationChildRelationship. Child references of an organization in a structure of organizations.
organizationIdentification	An OrganizationIdentification. Represents our registration of information used as proof of identity by an organization.
organizationParentRelationship	An OrganizationParentRelationship. Parent references of an organization in a structure of organizations.
organizationType	A String. Type of Organization (company, department...).
otherName	An OtherNameOrganization. Keeps track of other names, for example the old name of an organization.
partyCharacteristic	<p>A Characteristic. Describes a given characteristic of an object or entity through a name/value pair. This is an abstract base class, the actual value is in one of the strongly-typed subclasses :</p> <ul style="list-style-type: none"> * StringCharacteristic * ObjectCharacteristic * FloatCharacteristic * BooleanCharacteristic * NumberCharacteristic * IntegerCharacteristic * StringArrayCharacteristic * ObjectArrayCharacteristic * BooleanArrayCharacteristic * NumberArrayCharacteristic * IntegerArrayCharacteristic... <p>Characteristic can be instantiated as</p> <ul style="list-style-type: none"> * BooleanArrayCharacteristic * BooleanCharacteristic * IntegerArrayCharacteristic * IntegerCharacteristic * NumberArrayCharacteristic * NumberCharacteristic * ObjectArrayCharacteristic * ObjectCharacteristic * StringArrayCharacteristic * StringCharacteristic

relatedParty	A RelatedPartyOrPartyRole. RelatedParty reference. A related party defines party or party role or its reference, linked to a specific entity.
status	An OrganizationStateType. Valid values for the lifecycle state of the organization. ENUMERATED with values: * initialized * validated * closed
taxExemptionCertificate	A TaxExemptionCertificate. A tax exemption certificate represents a tax exemption granted to a party (individual or organization) by a tax jurisdiction which may be a city, state, country,... An exemption has a certificate identifier (received from the jurisdiction that levied the tax) and a validity period. An exemption is per tax types and determines for each type of tax what portion of the tax is exempted (partial by percentage or complete) via the tax definition.
tradingName	A String. Name that the organization (unit) trades under.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

Consumer sub-resource fields

account	An AccountRef. Account reference. A account may be a party account or a financial account.
agreement	An AgreementRef. Agreement reference. An agreement represents a contract or arrangement, either written or verbal and sometimes enforceable by law, such as a service level agreement or a customer price agreement. An agreement involves a number of other business entities, such as products, services, and resources and/or their specifications.

characteristic	<p>A Characteristic. Describes a given characteristic of an object or entity through a name/value pair. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : StringCharacteristic, ObjectCharacteristic, FloatCharacteristic, BooleanCharacteristic, NumberCharacteristic, IntegerCharacteristic, StringArrayCharacteristic, ObjectArrayCharacteristic, BooleanArrayCharacteristic, NumberArrayCharacteristic, IntegerArrayCharacteristic...</p> <p>Characteristic can be instantiated as</p> <ul style="list-style-type: none"> * BooleanArrayCharacteristic * BooleanCharacteristic * IntegerArrayCharacteristic * IntegerCharacteristic * NumberArrayCharacteristic * NumberCharacteristic * ObjectArrayCharacteristic * ObjectCharacteristic * StringArrayCharacteristic * StringCharacteristic
contactMedium	<p>A ContactMedium. Indicates the contact medium that could be used to contact the party. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : EmailContactMedium, FaxContactMedium, PhoneContactMedium, GeographicAddressContactMedium, SocialMediaContactMedium...</p>
creditProfile	<p>A CreditProfile. Credit profile for the party (containing credit scoring, ...). By default only the current credit profile is retrieved. It can be used as a list to give the party credit profiles history, the first one in the list will be the current one.</p>
description	<p>A String. A description of the PartyRole.</p>
engagedParty	<p>A PartyRef. A Party reference.</p>
href	<p>A String. Hyperlink reference.</p>
id	<p>A String. Unique identifier.</p>
name	<p>A String. A word, term, or phrase by which the PartyRole is known and distinguished from other PartyRoles. It's the name of the PartyRole unique entity.</p>
partyRoleSpecification	<p>A PartyRoleSpecificationRef. Party role specification reference. A party role specification gives additional details on the part played by a party in a given context.</p>
paymentMethod	<p>A PaymentMethodRef. PaymentMethod reference. A payment method defines a specific mean of payment (e.g direct debit).</p>
relatedParty	<p>A RelatedPartyOrPartyRole. RelatedParty reference. A related party defines party or party role or its reference, linked to a specific entity.</p>

role	A String. Role played by the engagedParty in this context. As role is defined by partyRoleSpecification, this role attribute can be used to precise the role defined by partyRoleSpecification, or it can be used to define the role in case there is no partyRoleSpecification.
status	A String. Used to track the lifecycle status of the party role.
statusReason	A String. A string providing an explanation on the value of the status lifecycle. For instance if the status is Rejected, statusReason will provide the reason for rejection.
validFor	A TimePeriod. A period of time, either as a deadline (endDateTime only) a startDateTime only, or both.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

Producer sub-resource fields

account	An AccountRef. Account reference. A account may be a party account or a financial account.
agreement	An AgreementRef. Agreement reference. An agreement represents a contract or arrangement, either written or verbal and sometimes enforceable by law, such as a service level agreement or a customer price agreement. An agreement involves a number of other business entities, such as products, services, and resources and/or their specifications.
characteristic	<p>A Characteristic. Describes a given characteristic of an object or entity through a name/value pair. This is an abstract base class, the actual value is in one of the strongly-typed subclasses :</p> <p>StringCharacteristic, ObjectCharacteristic, FloatCharacteristic, BooleanCharacteristic, NumberCharacteristic, IntegerCharacteristic, StringArrayCharacteristic, ObjectArrayCharacteristic, BooleanArrayCharacteristic, NumberArrayCharacteristic, IntegerArrayCharacteristic...</p> <p>Characteristic can be instantiated as</p> <ul style="list-style-type: none"> * BooleanArrayCharacteristic * BooleanCharacteristic * IntegerArrayCharacteristic * IntegerCharacteristic * NumberArrayCharacteristic * NumberCharacteristic * ObjectArrayCharacteristic * ObjectCharacteristic * StringArrayCharacteristic * StringCharacteristic

contactMedium	A ContactMedium. Indicates the contact medium that could be used to contact the party. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : EmailContactMedium, FaxContactMedium, PhoneContactMedium, GeographicAddressContactMedium, SocialMediaContactMedium...
creditProfile	A CreditProfile. Credit profile for the party (containing credit scoring, ...). By default only the current credit profile is retrieved. It can be used as a list to give the party credit profiles history, the first one in the list will be the current one.
description	A String. A description of the PartyRole.
engagedParty	A PartyRef. A Party reference.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. A word, term, or phrase by which the PartyRole is known and distinguished from other PartyRoles. It's the name of the PartyRole unique entity.
partyRoleSpecification	A PartyRoleSpecificationRef. Party role specification reference. A party role specification gives additional details on the part played by a party in a given context.
paymentMethod	A PaymentMethodRef. PaymentMethod reference. A payment method defines a specific mean of payment (e.g direct debit).
relatedParty	A RelatedPartyOrPartyRole. RelatedParty reference. A related party defines party or party role or its reference, linked to a specific entity.
role	A String. Role played by the engagedParty in this context. As role is defined by partyRoleSpecification, this role attribute can be used to precise the role defined by partyRoleSpecification, or it can be used to define the role in case there is no partyRoleSpecification.
status	A String. Used to track the lifecycle status of the party role.
statusReason	A String. A string providing an explanation on the value of the status lifecycle. For instance if the status is Rejected, statusReason will provide the reason for rejection.
validFor	A TimePeriod. A period of time, either as a deadline (endDateTime only) a startDateTime only, or both.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

Individual sub-resource fields

aristocraticTitle	A String. E.g. Baron, Graf, Earl.
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birthDate	A DateTime. Birth date.
contactMedium	A ContactMedium. Indicates the contact medium that could be used to contact the party. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : EmailContactMedium, FaxContactMedium, PhoneContactMedium, GeographicAddressContactMedium, SocialMediaContactMedium...
countryOfBirth	A String. Country where the individual was born.
creditRating	A PartyCreditProfile. An individual might be evaluated for its worthiness and this evaluation might be based on a credit rating given by a credit agency.
deathDate	A DateTime. Date of death.
disability	A Disability. Lack or inadequate strength or ability.
externalReference	An ExternalIdentifier. An identification of an entity that is owned by or originates in a software system different from the current system, for example a ProductOrder handed off from a commerce platform into an order handling system. The structure identifies the system itself, the nature of the entity within the system (e.g. class name) and the unique ID of the entity within the system. It is anticipated that multiple external IDs can be held for a single entity, e.g. if the entity passed through multiple systems on the way to the current system. In this case the consumer is expected to sequence the IDs in the array in reverse order of provenance, i.e. most recent system first in the list.
familyName	A String. Contains the non-chosen or inherited name. Also known as last name in the Western context.
familyNamePrefix	A String. Family name prefix.
formattedName	A String. A fully formatted name in one string with all of its pieces in their proper place and all of the necessary punctuation. Useful for specific contexts (Chinese, Japanese, Korean).
gender	A String. Gender.
generation	A String. E.g.. Sr, Jr, III (the third).
givenName	A String. First name of the individual.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
individualIdentification	An IndividualIdentification. Represents our registration of information used as proof of identity by an individual (passport, national identity card, drivers license, social security number, birth certificate).
languageAbility	A LanguageAbility. Ability of an individual to understand or converse in a language.
legalName	A String. Legal name or birth name (name one has for official purposes).
location	A String. Temporary current location of the individual (may be used if the individual has approved its sharing).

maritalStatus	A String. Marital status (married, divorced, widow ...).
middleName	A String. Middle name or initial.
name	A String. Full name flatten (first, middle, and last names) - this is the name that is expected to be presented in reference data types such as PartyRef, RelatedParty, etc. that refer to Individual.
nationality	A String. Nationality.
otherName	An OtherNameIndividual. Keeps track of other names, for example the old name of a woman before marriage or an artist name.
partyCharacteristic	<p>A Characteristic. Describes a given characteristic of an object or entity through a name/value pair. This is an abstract base class, the actual value is in one of the strongly-typed subclasses :</p> <ul style="list-style-type: none"> * StringCharacteristic * ObjectCharacteristic * FloatCharacteristic * BooleanCharacteristic * NumberCharacteristic * IntegerCharacteristic * StringArrayCharacteristic * ObjectArrayCharacteristic * BooleanArrayCharacteristic * NumberArrayCharacteristic * IntegerArrayCharacteristic... <p>Characteristic can be instantiated as</p> <ul style="list-style-type: none"> * BooleanArrayCharacteristic * BooleanCharacteristic * IntegerArrayCharacteristic * IntegerCharacteristic * NumberArrayCharacteristic * NumberCharacteristic * ObjectArrayCharacteristic * ObjectCharacteristic * StringArrayCharacteristic * StringCharacteristic
placeOfBirth	A String. Reference to the place where the individual was born.
preferredGivenName	A String. Contains the chosen name by which the individual prefers to be addressed. Note: This name may be a name other than a given name, such as a nickname.
relatedParty	A RelatedPartyOrPartyRole. RelatedParty reference. A related party defines party or party role or its reference, linked to a specific entity.
skill	A Skill. Skills evaluated for an individual with a level and possibly with a limited validity when an obsolescence is defined (Ex: the first-aid certificate first level is limited to one year and an update training is required each year to keep the level).
status	<p>An IndividualStateType. Valid values for the lifecycle state of the individual. ENUMERATED with values:</p> <ul style="list-style-type: none"> * initialized * validated * deceased

taxExemptionCertificate	A TaxExemptionCertificate. A tax exemption certificate represents a tax exemption granted to a party (individual or organization) by a tax jurisdiction which may be a city, state, country,... An exemption has a certificate identifier (received from the jurisdiction that levied the tax) and a validity period. An exemption is per tax types and determines for each type of tax what portion of the tax is exempted (partial by percentage or complete) via the tax definition.
title	A String. Useful for titles (aristocratic, social,...) Pr, Dr, Sir, ...
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

BusinessPartner sub-resource fields

account	An AccountRef. Account reference. A account may be a party account or a financial account.
agreement	An AgreementRef. Agreement reference. An agreement represents a contract or arrangement, either written or verbal and sometimes enforceable by law, such as a service level agreement or a customer price agreement. An agreement involves a number of other business entities, such as products, services, and resources and/or their specifications.
characteristic	<p>A Characteristic. Describes a given characteristic of an object or entity through a name/value pair. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : StringCharacteristic, ObjectCharacteristic, FloatCharacteristic, BooleanCharacteristic, NumberCharacteristic, IntegerCharacteristic, StringArrayCharacteristic, ObjectArrayCharacteristic, BooleanArrayCharacteristic, NumberArrayCharacteristic, IntegerArrayCharacteristic...</p> <p>Characteristic can be instantiated as</p> <ul style="list-style-type: none"> * BooleanArrayCharacteristic * BooleanCharacteristic * IntegerArrayCharacteristic * IntegerCharacteristic * NumberArrayCharacteristic * NumberCharacteristic * ObjectArrayCharacteristic * ObjectCharacteristic * StringArrayCharacteristic * StringCharacteristic
contactMedium	A ContactMedium. Indicates the contact medium that could be used to contact the party. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : EmailContactMedium, FaxContactMedium, PhoneContactMedium, GeographicAddressContactMedium, SocialMediaContactMedium...

creditProfile	A CreditProfile. Credit profile for the party (containing credit scoring, ...). By default only the current credit profile is retrieved. It can be used as a list to give the party credit profiles history, the first one in the list will be the current one.
description	A String. A description of the PartyRole.
engagedParty	A PartyRef. A Party reference.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. A word, term, or phrase by which the PartyRole is known and distinguished from other PartyRoles. It's the name of the PartyRole unique entity.
partyRoleSpecification	A PartyRoleSpecificationRef. Party role specification reference. A party role specification gives additional details on the part played by a party in a given context.
paymentMethod	A PaymentMethodRef. PaymentMethod reference. A payment method defines a specific mean of payment (e.g direct debit).
relatedParty	A RelatedPartyOrPartyRole. RelatedParty reference. A related party defines party or party role or its reference, linked to a specific entity.
role	A String. Role played by the engagedParty in this context. As role is defined by partyRoleSpecification, this role attribute can be used to precise the role defined by partyRoleSpecification, or it can be used to define the role in case there is no partyRoleSpecification.
status	A String. Used to track the lifecycle status of the party role.
statusReason	A String. A string providing an explanation on the value of the status lifecycle. For instance if the status is Rejected, statusReason will provide the reason for rejection.
validFor	A TimePeriod. A period of time, either as a deadline (endDateTime only) a startDateTime only, or both.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

Supplier sub-resource fields

account	An AccountRef. Account reference. A account may be a party account or a financial account.
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agreement	An AgreementRef. Agreement reference. An agreement represents a contract or arrangement, either written or verbal and sometimes enforceable by law, such as a service level agreement or a customer price agreement. An agreement involves a number of other business entities, such as products, services, and resources and/or their specifications.
characteristic	<p>A Characteristic. Describes a given characteristic of an object or entity through a name/value pair. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : StringCharacteristic, ObjectCharacteristic, FloatCharacteristic, BooleanCharacteristic, NumberCharacteristic, IntegerCharacteristic, StringArrayCharacteristic, ObjectArrayCharacteristic, BooleanArrayCharacteristic, NumberArrayCharacteristic, IntegerArrayCharacteristic...</p> <p>Characteristic can be instantiated as</p> <ul style="list-style-type: none"> * BooleanArrayCharacteristic * BooleanCharacteristic * IntegerArrayCharacteristic * IntegerCharacteristic * NumberArrayCharacteristic * NumberCharacteristic * ObjectArrayCharacteristic * ObjectCharacteristic * StringArrayCharacteristic * StringCharacteristic
contactMedium	A ContactMedium. Indicates the contact medium that could be used to contact the party. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : EmailContactMedium, FaxContactMedium, PhoneContactMedium, GeographicAddressContactMedium, SocialMediaContactMedium...
creditProfile	A CreditProfile. Credit profile for the party (containing credit scoring, ...). By default only the current credit profile is retrieved. It can be used as a list to give the party credit profiles history, the first one in the list will be the current one.
description	A String. A description of the PartyRole.
engagedParty	A PartyRef. A Party reference.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. A word, term, or phrase by which the PartyRole is known and distinguished from other PartyRoles. It's the name of the PartyRole unique entity.
partyRoleSpecification	A PartyRoleSpecificationRef. Party role specification reference. A party role specification gives additional details on the part played by a party in a given context.
paymentMethod	A PaymentMethodRef. PaymentMethod reference. A payment method defines a specific mean of payment (e.g direct debit).

relatedParty	A RelatedPartyOrPartyRole. RelatedParty reference. A related party defines party or party role or its reference, linked to a specific entity.
role	A String. Role played by the engagedParty in this context. As role is defined by partyRoleSpecification, this role attribute can be used to precise the role defined by partyRoleSpecification, or it can be used to define the role in case there is no partyRoleSpecification.
status	A String. Used to track the lifecycle status of the party role.
statusReason	A String. A string providing an explanation on the value of the status lifecycle. For instance if the status is Rejected, statusReason will provide the reason for rejection.
validFor	A TimePeriod. A period of time, either as a deadline (endDateTime only) a startDateTime only, or both.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

PartyRoleRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
partyId	A String. The identifier of the engaged party that is linked to the PartyRole object.
partyName	A String. The name of the engaged party that is linked to the PartyRole object.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

Party sub-resource fields

contactMedium	A ContactMedium. Indicates the contact medium that could be used to contact the party. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : EmailContactMedium, FaxContactMedium, PhoneContactMedium, GeographicAddressContactMedium, SocialMediaContactMedium...
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creditRating	A PartyCreditProfile. An individual might be evaluated for its worthiness and this evaluation might be based on a credit rating given by a credit agency.
externalReference	An ExternalIdentifier. An identification of an entity that is owned by or originates in a software system different from the current system, for example a ProductOrder handed off from a commerce platform into an order handling system. The structure identifies the system itself, the nature of the entity within the system (e.g. class name) and the unique ID of the entity within the system. It is anticipated that multiple external IDs can be held for a single entity, e.g. if the entity passed through multiple systems on the way to the current system. In this case the consumer is expected to sequence the IDs in the array in reverse order of provenance, i.e. most recent system first in the list.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
partyCharacteristic	<p>A Characteristic. Describes a given characteristic of an object or entity through a name/value pair. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : StringCharacteristic, ObjectCharacteristic, FloatCharacteristic, BooleanCharacteristic, NumberCharacteristic, IntegerCharacteristic, StringArrayCharacteristic, ObjectArrayCharacteristic, BooleanArrayCharacteristic, NumberArrayCharacteristic, IntegerArrayCharacteristic...</p> <p>Characteristic can be instantiated as</p> <ul style="list-style-type: none"> * BooleanArrayCharacteristic * BooleanCharacteristic * IntegerArrayCharacteristic * IntegerCharacteristic * NumberArrayCharacteristic * NumberCharacteristic * ObjectArrayCharacteristic * ObjectCharacteristic * StringArrayCharacteristic * StringCharacteristic
relatedParty	A RelatedPartyOrPartyRole. RelatedParty reference. A related party defines party or party role or its reference, linked to a specific entity.
taxExemptionCertificate	A TaxExemptionCertificate. A tax exemption certificate represents a tax exemption granted to a party (individual or organization) by a tax jurisdiction which may be a city, state, country,... An exemption has a certificate identifier (received from the jurisdiction that levied the tax) and a validity period. An exemption is per tax types and determines for each type of tax what portion of the tax is exempted (partial by percentage or complete) via the tax definition.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.

@type	A String. When sub-classing, this defines the sub-class Extensible name.
	Party can be instantiated as * Individual * Organization
aristocraticTitle	This property is present in subclasses
birthDate	This property is present in subclasses
countryOfBirth	This property is present in subclasses
deathDate	This property is present in subclasses
disability	This property is present in subclasses
existsDuring	This property is present in subclasses
familyName	This property is present in subclasses
familyNamePrefix	This property is present in subclasses
formattedName	This property is present in subclasses
gender	This property is present in subclasses
generation	This property is present in subclasses
givenName	This property is present in subclasses
individualIdentification	This property is present in subclasses
isHeadOffice	This property is present in subclasses
isLegalEntity	This property is present in subclasses
languageAbility	This property is present in subclasses
legalName	This property is present in subclasses
location	This property is present in subclasses
maritalStatus	This property is present in subclasses
middleName	This property is present in subclasses
name	This property is present in subclasses
nameType	This property is present in subclasses
nationality	This property is present in subclasses
organizationChildRelationship	This property is present in subclasses
organizationIdentification	This property is present in subclasses
organizationParentRelationship	This property is present in subclasses
organizationType	This property is present in subclasses
otherName	This property is present in subclasses
placeOfBirth	This property is present in subclasses
preferredGivenName	This property is present in subclasses
skill	This property is present in subclasses

status	This property is present in subclasses
title	This property is present in subclasses
tradingName	This property is present in subclasses

CreditProfile sub-resource fields

creditProfileDate	A DateTime. The date the profile was established.
creditRiskRating	An Integer. This is an integer whose value is used to rate the risk.
creditScore	An Integer. A measure of a person or organizations creditworthiness calculated on the basis of a combination of factors such as their income and credit history.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
validFor	A TimePeriod. A period of time, either as a deadline (endDateTime only) a startDateTime only, or both.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

ContactMedium sub-resource fields

contactType	A String. Type of the contact medium to qualify it like pro email / personal email. This is not used to define the contact medium used.
id	A String. Identifier for this contact medium.
preferred	A Boolean. If true, indicates that is the preferred contact medium.
validFor	A TimePeriod. A period of time, either as a deadline (endDateTime only) a startDateTime only, or both.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

AgreementRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.

@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

ObjectCharacteristic sub-resource fields

characteristicRelationship	A CharacteristicRelationship. Another Characteristic that is related to the current Characteristic;;
id	A String. Unique identifier of the characteristic.
name	A String. Name of the characteristic.
value	An object. Value of the characteristic.
valueType	A String. Data type of the value of the characteristic.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

NumberCharacteristic sub-resource fields

characteristicRelationship	A CharacteristicRelationship. Another Characteristic that is related to the current Characteristic;;
id	A String. Unique identifier of the characteristic.
name	A String. Name of the characteristic.
value	A Number. Value of the characteristic.
valueType	A String. Data type of the value of the characteristic.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

BooleanArrayCharacteristic sub-resource fields

characteristicRelationship	A CharacteristicRelationship. Another Characteristic that is related to the current Characteristic;;
id	A String. Unique identifier of the characteristic.
name	A String. Name of the characteristic.

value	A Boolean. A characteristic which value is an array of Boolean(s).
valueType	A String. Data type of the value of the characteristic.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

BooleanCharacteristic sub-resource fields

characteristicRelationship	A CharacteristicRelationship. Another Characteristic that is related to the current Characteristic;.
id	A String. Unique identifier of the characteristic.
name	A String. Name of the characteristic.
value	A Boolean. Value of the characteristic.
valueType	A String. Data type of the value of the characteristic.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

NumberArrayCharacteristic sub-resource fields

characteristicRelationship	A CharacteristicRelationship. Another Characteristic that is related to the current Characteristic;.
id	A String. Unique identifier of the characteristic.
name	A String. Name of the characteristic.
value	A Number. A characteristic which value is an array of Number(s).
valueType	A String. Data type of the value of the characteristic.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

IntegerCharacteristic sub-resource fields

characteristicRelationship	A CharacteristicRelationship. Another Characteristic that is related to the current Characteristic;.
id	A String. Unique identifier of the characteristic.

name	A String. Name of the characteristic.
value	An Integer. Value of the characteristic.
valueType	A String. Data type of the value of the characteristic.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

ObjectArrayCharacteristic sub-resource fields

characteristicRelationship	A CharacteristicRelationship. Another Characteristic that is related to the current Characteristic;.
id	A String. Unique identifier of the characteristic.
name	A String. Name of the characteristic.
value	An object. Collection of characteristic values.
valueType	A String. Data type of the value of the characteristic.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

StringArrayCharacteristic sub-resource fields

characteristicRelationship	A CharacteristicRelationship. Another Characteristic that is related to the current Characteristic;.
id	A String. Unique identifier of the characteristic.
name	A String. Name of the characteristic.
value	A String. Collection of string characteristics.
valueType	A String. Data type of the value of the characteristic.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

IntegerArrayCharacteristic sub-resource fields

characteristicRelationship	A CharacteristicRelationship. Another Characteristic that is related to the current Characteristic;.
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id	A String. Unique identifier of the characteristic.
name	A String. Name of the characteristic.
value	An Integer. A characteristic which value is an array of Integer(s).
valueType	A String. Data type of the value of the characteristic.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

StringCharacteristic sub-resource fields

characteristicRelationship	A CharacteristicRelationship. Another Characteristic that is related to the current Characteristic;.
id	A String. Unique identifier of the characteristic.
name	A String. Name of the characteristic.
value	A String. Value of the characteristic.
valueType	A String. Data type of the value of the characteristic.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

Characteristic sub-resource fields

characteristicRelationship	A CharacteristicRelationship. Another Characteristic that is related to the current Characteristic;.
id	A String. Unique identifier of the characteristic.
name	A String. Name of the characteristic.
valueType	A String. Data type of the value of the characteristic.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

	Characteristic can be instantiated as * BooleanArrayCharacteristic * BooleanCharacteristic * IntegerArrayCharacteristic * IntegerCharacteristic * NumberArrayCharacteristic * NumberCharacteristic * ObjectArrayCharacteristic * ObjectCharacteristic * StringArrayCharacteristic * StringCharacteristic
value	This property is present in subclasses

AccountRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

PartyRoleSpecificationRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

PaymentMethodRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.

@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

CharacteristicRelationship sub-resource fields

id	A String. Unique identifier of the characteristic.
relationshipType	A String. The type of relationship.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

OrganizationParentRelationship sub-resource fields

organization	An OrganizationRef.
relationshipType	A String. Type of the relationship. Could be juridical, hierarchical, geographical, functional for example.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

OrganizationIdentification sub-resource fields

attachment	An AttachmentRefOrValue. The polymorphic attributes @type, @schemaLocation & @referredType are related to the Attachment entity and not the AttachmentRefOrValue class itself.
identificationId	A String. Identifier.
identificationType	A String. Type of identification information used to identify the company in a country or internationally.
issuingAuthority	A String. Authority which has issued the identifier (chamber of commerce...).
issuingDate	A DateTime. Date at which the identifier was issued.
validFor	A TimePeriod. A period of time, either as a deadline (endTime only) a startTime only, or both.
@baseType	A String. When sub-classing, this defines the super-class.

@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

OtherNameOrganization sub-resource fields

name	A String. Organization name (department name for example).
nameType	A String. Co. , Inc. , Ltd. , Pty Ltd. , Plc; , Gmbh.
tradingName	A String. The name that the organization trades under.
validFor	A TimePeriod. A period of time, either as a deadline (endDateTime only) a startDateTime only, or both.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

OrganizationChildRelationship sub-resource fields

organization	An OrganizationRef.
relationshipType	A String. Type of the relationship. Could be juridical, hierarchical, geographical, functional for example.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

OrganizationRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

Attachment sub-resource fields

attachmentType	A String. A business characterization of the purpose of the attachment, for example logo, instructionManual, contractCopy.
content	A Base64. The actual contents of the attachment object, if embedded, encoded as base64.
description	A String. A narrative text describing the content of the attachment.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
contentType	A String. A technical characterization of the attachment content format using IETF Mime Types.
name	A String. The name of the attachment.
size	A Quantity. An amount in a given unit.
url	A String. Uniform Resource Locator, is a web page address (a subset of URI).
validFor	A TimePeriod. A period of time, either as a deadline (endDateTime only) a startDateTime only, or both.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

AttachmentRef sub-resource fields

description	A String. A narrative text describing the content of the attachment.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
url	A String. Link to the attachment media/content.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

IndividualIdentification sub-resource fields

attachment	An AttachmentRefOrValue. The polymorphic attributes @type, @schemaLocation & @referredType are related to the Attachment entity and not the AttachmentRefOrValue class itself.
identificationId	A String. Identifier.
identificationType	A String. Identification type (passport, national identity card, drivers license, social security number, birth certificate).
issuingAuthority	A String. Authority which has issued the identifier, such as: social security, town hall.
issuingDate	A DateTime. Date at which the identifier was issued.
validFor	A TimePeriod. A period of time, either as a deadline (endDateTime only) a startDateTime only, or both.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

ProductOfferingRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
version	A String. Version of the product offering.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

CategoryRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
version	A String. Version of the category.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.

@type	A String. When sub-classing, this defines the sub-class Extensible name.
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Product sub-resource fields

agreementItem	An AgreementItemRef. It's a Agreement item that has been executed previously.
billingAccount	A BillingAccountRef. BillingAccount reference. A BillingAccount is a detailed description of a bill structure.
creationDate	A DateTime. Date and time when the product was created.
description	A String. Is the description of the product. It could be copied from the description of the Product Offering.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
intent	An IntentRefOrValue. Intent Ref (if Intent already exists) or Value (if Intent be created or its details be presented).
isBundle	A Boolean. If true, the product is a ProductBundle which is an instantiation of a BundledProductOffering. If false, the product is a ProductComponent which is an instantiation of a SimpleProductOffering.
isCustomerVisible	A Boolean. If true, the product is visible by the customer.
name	A String. Name of the product. It could be the same as the name of the product offering.
orderDate	A DateTime. Is the date when the product was ordered.
place	A RelatedPlaceRefOrValue. Entity reference. The polymorphic attributes @type, @schemaLocation & @referredType are related to the RelatedPlace entity and not the RelatedPlaceRefOrValue class itself.
product	A ProductRefOrValue. The polymorphic attributes @type, @schemaLocation & @referredType are related to the Product entity and not the ProductRefOrValue class itself.

productCharacteristic	A Characteristic. Describes a given characteristic of an object or entity through a name/value pair. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : StringCharacteristic, ObjectCharacteristic, FloatCharacteristic, BooleanCharacteristic, NumberCharacteristic, IntegerCharacteristic, StringArrayCharacteristic, ObjectArrayCharacteristic, BooleanArrayCharacteristic, NumberArrayCharacteristic, IntegerArrayCharacteristic...
	Characteristic can be instantiated as * BooleanArrayCharacteristic * BooleanCharacteristic * IntegerArrayCharacteristic * IntegerCharacteristic * NumberArrayCharacteristic * NumberCharacteristic * ObjectArrayCharacteristic * ObjectCharacteristic * StringArrayCharacteristic * StringCharacteristic
productOffering	A ProductOfferingRef. ProductOffering reference. A product offering represents entities that are orderable from the provider of the catalog, this resource includes pricing information.
productOrderItem	A RelatedOrderItem. It's a Order item that has been executed previously.
productPrice	A ProductPrice. Description of price and discount awarded.
productRelationship	A ProductRelationship. Used to describe relationship between product.
productSerialNumber	A String. Is the serial number for the product. This is typically applicable to tangible products e.g. Broadband Router.
productSpecification	A ProductSpecificationRef. ProductSpecification reference. A product Specification represents entities that are orderable from the provider of the catalog.
productTerm	A ProductTerm. Description of a productTerm linked to this product. This represent a commitment with a duration.
realizingResource	A ResourceRef. Resource reference, for when Resource is used by other entities.
realizingService	A ServiceRef. Service reference, for when Service is used by other entities.
relatedParty	A RelatedPartyOrPartyRole. RelatedParty reference. A related party defines party or party role or its reference, linked to a specific entity.
startDate	A DateTime. Is the date from which the product starts.

status	A ProductStatusType. Possible values for the status of the product. ENUMERATED with values: * created * pendingActive * cancelled * active * pendingTerminate * terminated * suspended * aborted
terminationDate	A DateTime. Is the date when the product was terminated.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

ProductRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

PromotionRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

ProductOfferingQualificationItemRelationship sub-resource fields

<code>id</code>	A String. Id of the related POQ item (must be in the same POQ).
<code>relationshipType</code>	A String. Relationship type as relies on, bundles, etc...
<code>@baseType</code>	A String. When sub-classing, this defines the super-class.
<code>@schemaLocation</code>	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
<code>@type</code>	A String. When sub-classing, this defines the sub-class Extensible name.

AlternateProductOfferingProposal sub-resource fields

<code>alternateActivationDate</code>	A DateTime. Alternate activation date in case seller is not able to meet requested expected activation date.
<code>alternateProduct</code>	A ProductRefOrValue. The polymorphic attributes <code>@type</code> , <code>@schemaLocation</code> & <code>@referredType</code> are related to the Product entity and not the ProductRefOrValue class itself.
<code>alternateProductOffering</code>	A ProductOfferingRef. ProductOffering reference. A product offering represents entities that are orderable from the provider of the catalog, this resource includes pricing information.
<code>id</code>	A String. Identifier of the AlternateProductOfferingProposal within its containing entity.
<code>promotion</code>	A PromotionRef. Promotion reference. Promotion Resource is used to provide the additional discount, voucher, bonus or gift to the customer who meets the pre-defined criteria. Using promotion, the enterprise is able to attract the users and encourage more consumption, especially continuous purchases.
<code>@baseType</code>	A String. When sub-classing, this defines the super-class.
<code>@schemaLocation</code>	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
<code>@type</code>	A String. When sub-classing, this defines the sub-class Extensible name.

EligibilityResultReason sub-resource fields

<code>code</code>	A String. Result reason code.
<code>label</code>	A String. Human readable result reason label.
<code>@baseType</code>	A String. When sub-classing, this defines the super-class.
<code>@schemaLocation</code>	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
<code>@type</code>	A String. When sub-classing, this defines the sub-class Extensible name.

BillingAccountRef sub-resource fields

<code>href</code>	A String. Hyperlink reference.
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id	A String. Unique identifier.
name	A String. Name of the referred entity.
ratingType	A String. Indicates whether the account follows a specific payment option such as prepaid or postpaid.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

ProductPrice sub-resource fields

description	A String. Description of the Product price.
name	A String. Name of the Product price.
price	A Price. Provides all amounts (tax included, duty free, tax rate), used currency and percentage to apply for Price and Price Alteration.
priceAlteration	A PriceAlteration. Is an amount, usually of money, that modifies the price charged for an order item.
priceType	A String. Indicate if the price is for recurrent or no-recurrent charge.
productOfferingPrice	A ProductOfferingPriceRef. ProductPriceOffering reference. An amount, usually of money, that is asked for or allowed when a ProductOffering is bought, rented, or leased.
recurringChargePeriod	A String. Used for recurring charge to indicate period (month, week, etc..).
unitOfMeasure	A String. Unit of Measure if price depending on it (Gb, SMS volume, etc..).
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

IntentRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
@baseType	A String. When sub-classing, this defines the super-class.

@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

Intent sub-resource fields

attachment	An AttachmentRefOrValue. The polymorphic attributes @type, @schemaLocation & @referredType are related to the Attachment entity and not the AttachmentRefOrValue class itself.
characteristic	<p>A Characteristic. Describes a given characteristic of an object or entity through a name/value pair. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : StringCharacteristic, ObjectCharacteristic, FloatCharacteristic, BooleanCharacteristic, NumberCharacteristic, IntegerCharacteristic, StringArrayCharacteristic, ObjectArrayCharacteristic, BooleanArrayCharacteristic, NumberArrayCharacteristic, IntegerArrayCharacteristic...</p> <p>Characteristic can be instantiated as</p> <ul style="list-style-type: none"> * BooleanArrayCharacteristic * BooleanCharacteristic * IntegerArrayCharacteristic * IntegerCharacteristic * NumberArrayCharacteristic * NumberCharacteristic * ObjectArrayCharacteristic * ObjectCharacteristic * StringArrayCharacteristic * StringCharacteristic
context	A String. A string used to give a context to the intent.
creationDate	A DateTime. Date and time of the creation of this REST resource.
description	A String. The description of the intent.
expression	An IntentExpression. An Intent expression.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
intentRelationship	An EntityRelationship. A uni-directional relationship from this entity to a target entity instance.
intentSpecification	An EntityRef. Entity reference schema to be used for all entityRef classes.
isBundle	A Boolean. IsBundle determines whether an intent represents a single intent (false), or a bundle of intents(true).
lastUpdate	A DateTime. Date and time of the last update of this REST resource.

lifecycleStatus	A String. Used to indicate the current lifecycle status of this intent.
name	A String. The name of the intent.
priority	A String. Can be used by intent owner to prioritize intents in an intent management system.
relatedParty	A RelatedPartyRefOrPartyRoleRef. RelatedParty reference. A related party defines party or party role or its reference, linked to a specific entity.
statusChangeDate	A DateTime. A date time(DateTime). The date that the entity status changed to the current one.
validFor	A TimePeriod. A period of time, either as a deadline (endDateTime only) a startDateTime only, or both.
version	A String. A field that identifies the specific version of an instance of an intent.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

ProductRelationship sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
relationshipType	A String. Relationship type as relies on, bundles, etc...
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

RelatedOrderItem sub-resource fields

orderHref	A String. Reference of the related entity.
orderId	A String. Unique identifier of a related Order.

orderItemAction	An ItemActionType. Action to be performed on the entity managed by the item. ENUMERATED with values: * add * modify * delete * noChange
orderItemId	A String. Id of an item of a product order.
role	A String. Role played by the Order.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

AgreementItemRef sub-resource fields

agreementHref	A String. Reference of the related entity.
agreementId	A String. Unique identifier of a related entity.
agreementItemId	A String. Id of an item of a Agreement.
agreementName	A String. Name of the related entity.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

RelatedPlaceRefOrValue sub-resource fields

place	A PlaceRefOrValue. The polymorphic attributes @type, @schemaLocation & @referredType are related to the Place entity and not the PlaceRefOrValue class itself.
role	A String.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

ResourceRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

ProductTerm sub-resource fields

description	A String. Description of the productTerm.
duration	A Duration. A time interval in a given unit of time.
name	A String. Name of the productTerm.
validFor	A TimePeriod. A period of time, either as a deadline (endDateTime only) a startDateTime only, or both.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

ServiceRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

ProductSpecificationRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.

name	A String. Name of the referred entity.
targetProductSchema	A TargetProductSchema. The reference object to the schema and type of target product which is described by product specification.
version	A String. Version of the product specification.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

PriceAlteration sub-resource fields

applicationDuration	An Integer. Duration during which the alteration applies on the order item price (for instance 2 months free of charge for the recurring charge).
description	A String. A narrative that explains in detail the semantics of this order item price alteration.
name	A String. Name of the order item price alteration.
price	A Price. Provides all amounts (tax included, duty free, tax rate), used currency and percentage to apply for Price and Price Alteration.
priceType	A String. A category that describes the price such as recurring, one time and usage.
priority	An Integer. Priority level for applying this alteration among all the defined alterations on the order item price.
productOfferingPrice	A ProductOfferingPriceRef. ProductPriceOffering reference. An amount, usually of money, that is asked for or allowed when a ProductOffering is bought, rented, or leased.
recurringChargePeriod	A String. Could be month, week...
unitOfMeasure	A String. Could be minutes, GB...
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

ProductOfferingPriceRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.

name	A String. Name of the referred entity.
version	A String. Version of the product offering price.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

Price sub-resource fields

dutyFreeAmount	A Money. A base / value business entity used to represent money.
percentage	A Float. Percentage to apply for ProdOfferPriceAlteration.
taxIncludedAmount	A Money. A base / value business entity used to represent money.
taxRate	A Float. Tax rate.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

IntentExpression sub-resource fields

iri	A String. Internationalized Resource Identifier of the intent Expression.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

RelatedPartyRefOrPartyRoleRef sub-resource fields

partyOrPartyRole	A PartyRefOrPartyRoleRef.
role	A String. Role played by the related party or party role in the context of the specific entity it is linked to. Such as 'initiator', 'customer', 'salesAgent', 'user'.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.

@type	A String. When sub-classing, this defines the sub-class Extensible name.
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GeographicAddress sub-resource fields

city	A String. City that the address is in.
country	A String. Country that the address is in.
countryCode	A StandardIdentifier. The corresponding identification of the resource in different standard, regulatory definitions. The standard specification identifier (e.g., ISO 3166-1 Alpha-2) and the corresponding value (e.g., BE) relevant to a particular resource. It is anticipated that multiple standards can provide definitions for a single entity, e.g., a country identifier can be specified in various standards (e.g., "ISO 3166-1 Alpha 2", "ISO 3166-1 Alpha 3", "ISO 3166-1 Numeric").
externalIdentifier	An ExternalIdentifier. An identification of an entity that is owned by or originates in a software system different from the current system, for example a ProductOrder handed off from a commerce platform into an order handling system. The structure identifies the system itself, the nature of the entity within the system (e.g. class name) and the unique ID of the entity within the system. It is anticipated that multiple external IDs can be held for a single entity, e.g. if the entity passed through multiple systems on the way to the current system. In this case the consumer is expected to sequence the IDs in the array in reverse order of provenance, i.e. most recent system first in the list.
geographicAddressRelationship	A GeographicAddressRelationship. The GeographicAddressRelationship schema represents a relationship between geographic addresses. It defines the structure for storing information about how two geographic addresses are related to each other within a system.
geographicAddressType	A String. Classification of the address, e.g., residential, industrial.
geographicLocation	A GeographicLocationRefOrValue. The polymorphic attributes @type, @schemaLocation & @referredType are related to the GeographicLocation entity and not the GeographicLocationRefOrValue class itself.
geographicSite	A GeographicSiteRefOrValue. The polymorphic attributes @type, @schemaLocation & @referredType are related to the GeographicSite entity and not the GeographicSiteRefOrValue class itself.
geographicSubAddress	A GeographicSubAddress. Representation of a GeographicSubAddress. It is used for addressing within a property in an urban area (country properties are often defined differently). It may refer to a building, a building cluster, or a floor of a multistory building.
href	A String. Hyperlink reference.
id	A String. Unique identifier.

locality	A String. An area of defined or undefined boundaries within a local authority or other legislatively defined area, usually rural or semi rural in nature. [ANZLIC-STREET], or a suburb, a bounded locality within a city, town or shire principally of urban character [ANZLICSTREET].
postcode	A String. Descriptor for a postal delivery area, used to speed and simplify the delivery of mail (also known as zipcode).
stateOrProvince	A String. The State or Province that the address is in.
streetName	A String. Name of the street or other street type.
streetNr	A String. Number identifying a specific property on a public street. It may be combined with streetNrLast for ranged addresses.
streetNrLast	A String. Last number in a range of street numbers allocated to a property.
streetNrLastSuffix	A String. Last street number suffix for a ranged address.
streetNrSuffix	A String. The first street number suffix.
streetSuffix	A String. A modifier denoting a relative direction.
streetType	A String. Alley, avenue, boulevard, brae, crescent, drive, highway, lane, terrace, parade, place, tarn, way, wharf.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

GeographicLocation sub-resource fields

bbox	A bbox. A bounding box array that contains the geometry. The axes order follows the axes order of the geometry.
externalIdentifier	An ExternalIdentifier. An identification of an entity that is owned by or originates in a software system different from the current system, for example a ProductOrder handed off from a commerce platform into an order handling system. The structure identifies the system itself, the nature of the entity within the system (e.g. class name) and the unique ID of the entity within the system. It is anticipated that multiple external IDs can be held for a single entity, e.g. if the entity passed through multiple systems on the way to the current system. In this case the consumer is expected to sequence the IDs in the array in reverse order of provenance, i.e. most recent system first in the list.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.

@type	A String. When sub-classing, this defines the sub-class Extensible name.
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GeographicSite sub-resource fields

calendar	A CalendarPeriod. The CalendarPeriod schema represents a period of time within a calendar, defining various attributes such as the applicable day, timezone, hour period, and status. It is designed to capture information about the availability or status of a calendar period, which can be used in scheduling, booking, or resource allocation applications.
code	A String. A code that may be used for some addressing schemes eg: [ANSI T1.253-1999].
contactMedium	A ContactMedium. Indicates the contact medium that could be used to contact the party. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : EmailContactMedium, FaxContactMedium, PhoneContactMedium, GeographicAddressContactMedium, SocialMediaContactMedium...
creationDate	A DateTime. Date and time when the GeographicSite was created.
description	A String. Text describing additional information regarding the site.
externalIdentifier	An ExternalIdentifier. An identification of an entity that is owned by or originates in a software system different from the current system, for example a ProductOrder handed off from a commerce platform into an order handling system. The structure identifies the system itself, the nature of the entity within the system (e.g. class name) and the unique ID of the entity within the system. It is anticipated that multiple external IDs can be held for a single entity, e.g. if the entity passed through multiple systems on the way to the current system. In this case the consumer is expected to sequence the IDs in the array in reverse order of provenance, i.e. most recent system first in the list.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
place	A PlaceRefOrValue. The polymorphic attributes @type, @schemaLocation & @referredType are related to the Place entity and not the PlaceRefOrValue class itself.
relatedParty	A RelatedPartyRefOrPartyRoleRef. RelatedParty reference. A related party defines party or party role or its reference, linked to a specific entity.
siteCategory	A String. Site classification/category.
siteFeature	A GeographicSiteFeature. Geographic Site Feature captures various site information, ranging from survey data to safety guidelines and hazard information.
siteRelationship	A GeographicSiteRelationship. Details of geographic site relationship.

<code>status</code>	A String. The condition of the GeographicSite, such as planned, underConstruction, cancelled, active, inactive, former.
<code>@baseType</code>	A String. When sub-classing, this defines the super-class.
<code>@schemaLocation</code>	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
<code>@type</code>	A String. When sub-classing, this defines the sub-class Extensible name.

PlaceRef sub-resource fields

<code>href</code>	A String. Hyperlink reference.
<code>id</code>	A String. Unique identifier.
<code>name</code>	A String. Name of the referred entity.
<code>@baseType</code>	A String. When sub-classing, this defines the super-class.
<code>@referredType</code>	A String. The actual type of the target instance when needed for disambiguation.
<code>@schemaLocation</code>	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
<code>@type</code>	A String. When sub-classing, this defines the sub-class Extensible name.

Place sub-resource fields

<code>externalIdentifier</code>	An ExternalIdentifier. An identification of an entity that is owned by or originates in a software system different from the current system, for example a ProductOrder handed off from a commerce platform into an order handling system. The structure identifies the system itself, the nature of the entity within the system (e.g. class name) and the unique ID of the entity within the system. It is anticipated that multiple external IDs can be held for a single entity, e.g. if the entity passed through multiple systems on the way to the current system. In this case the consumer is expected to sequence the IDs in the array in reverse order of provenance, i.e. most recent system first in the list.
<code>href</code>	A String. Hyperlink reference.
<code>id</code>	A String. Unique identifier.
<code>@baseType</code>	A String. When sub-classing, this defines the super-class.
<code>@schemaLocation</code>	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
<code>@type</code>	A String. When sub-classing, this defines the sub-class Extensible name.
	Place can be instantiated as * GeographicAddress * GeographicLocation * GeographicSite

bbox	This property is present in subclasses
calendar	This property is present in subclasses
city	This property is present in subclasses
code	This property is present in subclasses
contactMedium	This property is present in subclasses
country	This property is present in subclasses
countryCode	This property is present in subclasses
creationDate	This property is present in subclasses
description	This property is present in subclasses
geographicAddressRelationship	This property is present in subclasses
geographicAddressType	This property is present in subclasses
geographicLocation	This property is present in subclasses
geographicSite	This property is present in subclasses
geographicSubAddress	This property is present in subclasses
locality	This property is present in subclasses
place	This property is present in subclasses
postcode	This property is present in subclasses
relatedParty	This property is present in subclasses
siteCategory	This property is present in subclasses
siteFeature	This property is present in subclasses
siteRelationship	This property is present in subclasses
stateOrProvince	This property is present in subclasses
status	This property is present in subclasses
streetName	This property is present in subclasses
streetNr	This property is present in subclasses
streetNrLast	This property is present in subclasses
streetNrLastSuffix	This property is present in subclasses
streetNrSuffix	This property is present in subclasses
streetSuffix	This property is present in subclasses
streetType	This property is present in subclasses

GeographicAddressRelationship sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.

relationshipType	A String. Type of relationship between the geographic addresses. This attribute specifies the nature of the relationship between the related addresses. It provides context for understanding how the addresses are related to each other.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

StandardIdentifier sub-resource fields

format	A String. Standard/Regulatory definition identifier. e.g., ISO 3166-1.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
value	A String. The value of the resource in the corresponding standard.e.g., a country code value.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

GeographicLocationRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

GeographicSubAddress sub-resource fields

buildingName	A String. Allows for buildings that have well-known names.
href	A String. Hyperlink reference.

id	A String. Unique identifier.
levelNumber	A String. Used where a level type may be repeated e.g. BASEMENT 1, BASEMENT 2.
levelType	A String. Describes level types within a building.
name	A String. Name of the subAddress to identify it with a meaningful identification.
privateStreetName	A String. Private streets internal to a property (e.g. a university) may have internal names that are not recorded by the land title office.
privateStreetNumber	A String. Private streets numbers internal to a private street.
subAddressType	A String. Type of subAddress : it can be a subunit or a private street.
subUnit	A GeographicSubAddressUnit. Representation of a SubUnit. It is used for describing subunit within a subAddress e.g. BERTH, FLAT, PIER, SUITE, SHOP, TOWER, UNIT, WHARF.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

GeographicSiteRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

GeographicSubAddressUnit sub-resource fields

subUnitNumber	A String. The discriminator used for the subunit, often just a simple number but may also be a range.
subUnitType	A String. The type of subunit e.g.BERTH, FLAT, PIER, SUITE, SHOP, TOWER, UNIT, WHARF, RACK.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.

@type	A String. When sub-classing, this defines the sub-class Extensible name.
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CalendarPeriod sub-resource fields

day	A String. Day where the calendar status applies (e.g.: monday, mon-to-fri, weekdays, weekend, all week, ...).
hourPeriod	A HourPeriod. Hour interval.
status	A String. Indication of the availability of the calendar period (e.g.: available, booked, etc.).
timeZone	A String. Indication of the timezone applicable to the calendar information (e.g.: Paris, GMT+1).
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

GeographicSiteRelationship sub-resource fields

href	A String. Reference of the related geographic site.
id	A String. Unique identifier of the related site entity within the server.
relationshipType	A String. Type of relationship.
role	A String. Role of the related site in the relationship.
validFor	A TimePeriod. A period of time, either as a deadline (endDateTime only) a startDateTime only, or both.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

GeographicSiteFeature sub-resource fields

attachment	An AttachmentRefOrValue. The polymorphic attributes @type , @schemaLocation & @referredType are related to the Attachment entity and not the AttachmentRefOrValue class itself.
featureCategory	A String. Collection of feature category.

featureCharacteristic	A Characteristic. Describes a given characteristic of an object or entity through a name/value pair. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : StringCharacteristic, ObjectCharacteristic, FloatCharacteristic, BooleanCharacteristic, NumberCharacteristic, IntegerCharacteristic, StringArrayCharacteristic, ObjectArrayCharacteristic, BooleanArrayCharacteristic, NumberArrayCharacteristic, IntegerArrayCharacteristic...
	Characteristic can be instantiated as * BooleanArrayCharacteristic * BooleanCharacteristic * IntegerArrayCharacteristic * IntegerCharacteristic * NumberArrayCharacteristic * NumberCharacteristic * ObjectArrayCharacteristic * ObjectCharacteristic * StringArrayCharacteristic * StringCharacteristic
featureRelationship	A FeatureRelationship. Configuration feature.
id	A String. Unique identifier.
isBundle	A Boolean. True if this is a feature group. Default is false.
isEnabled	A Boolean. True if this feature is enabled. Default is true.
name	A String. This is the name for the feature.
note	A Note. Extra information about a given entity.
policyConstraint	A PolicyRef. Reference to managed Policy object.
relatedParty	A RelatedPartyRefOrPartyRoleRef. RelatedParty reference. A related party defines party or party role or its reference, linked to a specific entity.
validFor	A CalendarPeriod. The CalendarPeriod schema represents a period of time within a calendar, defining various attributes such as the applicable day, timezone, hour period, and status. It is designed to capture information about the availability or status of a calendar period, which can be used in scheduling, booking, or resource allocation applications.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

Feature sub-resource fields

featureCharacteristic	A Characteristic. Describes a given characteristic of an object or entity through a name/value pair. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : StringCharacteristic, ObjectCharacteristic, FloatCharacteristic, BooleanCharacteristic, NumberCharacteristic, IntegerCharacteristic, StringArrayCharacteristic, ObjectArrayCharacteristic, BooleanArrayCharacteristic, NumberArrayCharacteristic, IntegerArrayCharacteristic...
	Characteristic can be instantiated as * BooleanArrayCharacteristic * BooleanCharacteristic * IntegerArrayCharacteristic * IntegerCharacteristic * NumberArrayCharacteristic * NumberCharacteristic * ObjectArrayCharacteristic * ObjectCharacteristic * StringArrayCharacteristic * StringCharacteristic
featureRelationship	A FeatureRelationship. Configuration feature.
id	A String. Unique identifier.
isBundle	A Boolean. True if this is a feature group. Default is false.
isEnabled	A Boolean. True if this feature is enabled. Default is true.
name	A String. This is the name for the feature.
policyConstraint	A PolicyRef. Reference to managed Policy object.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.
	Feature can be instantiated as * GeographicSiteFeature
attachment	This property is present in subclasses
featureCategory	This property is present in subclasses
note	This property is present in subclasses
relatedParty	This property is present in subclasses
validFor	This property is present in subclasses

HourPeriod sub-resource fields

endHour	A String. The time when the status ends applying.
startHour	A String. The time when the status starts applying.
@baseType	A String. When sub-classing, this defines the super-class.

@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

QueryProductOfferingQualification resource

QueryProductOfferingQualification is used to perform a commercial eligibility. It allows client side to pass a list of criteria (search criteria to provide the context of the qualification) and in the response the seller send (if any) a list of product offering qualified.

Resource model

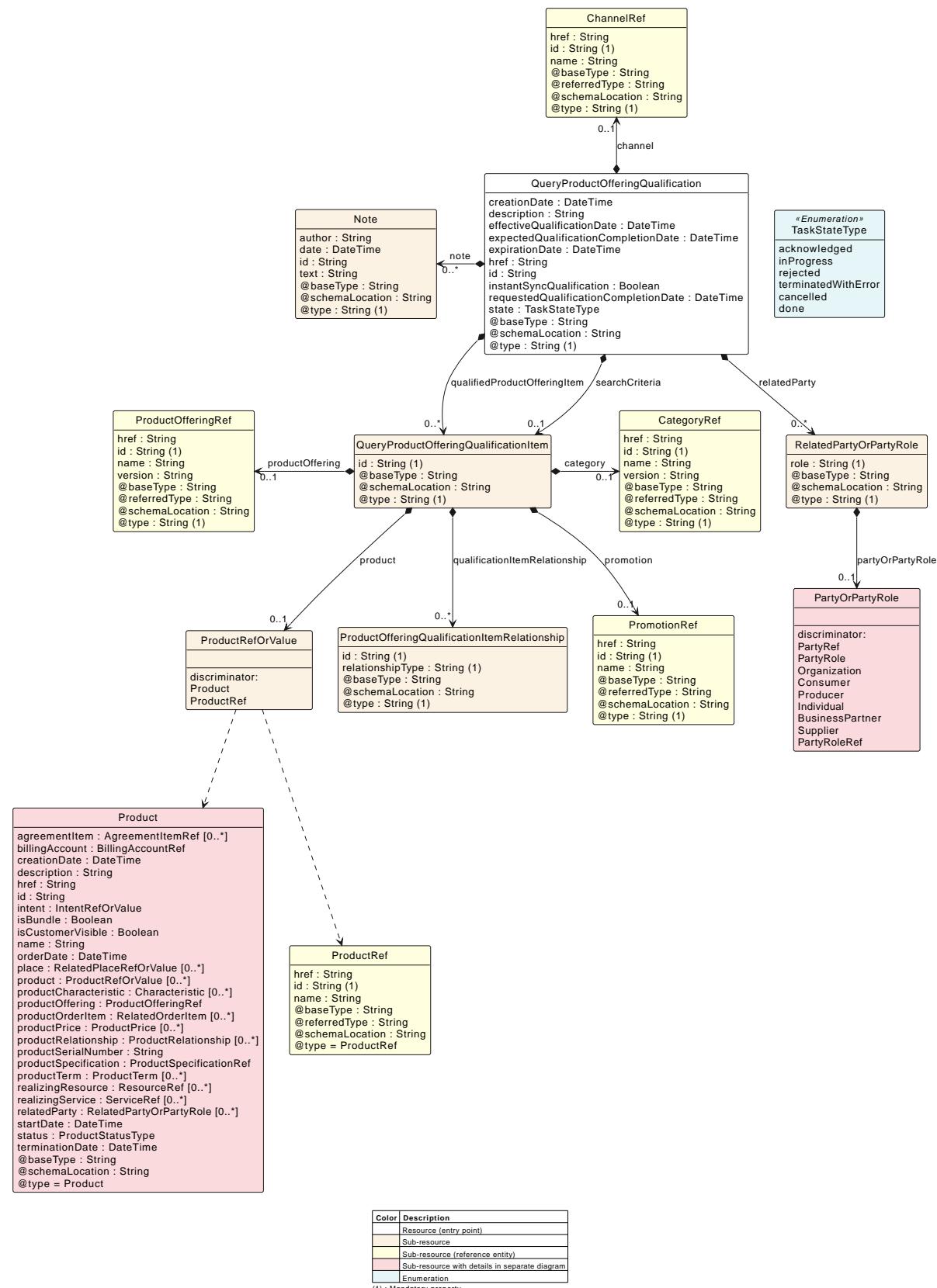


Figure 23 - QueryProductOfferingQualification

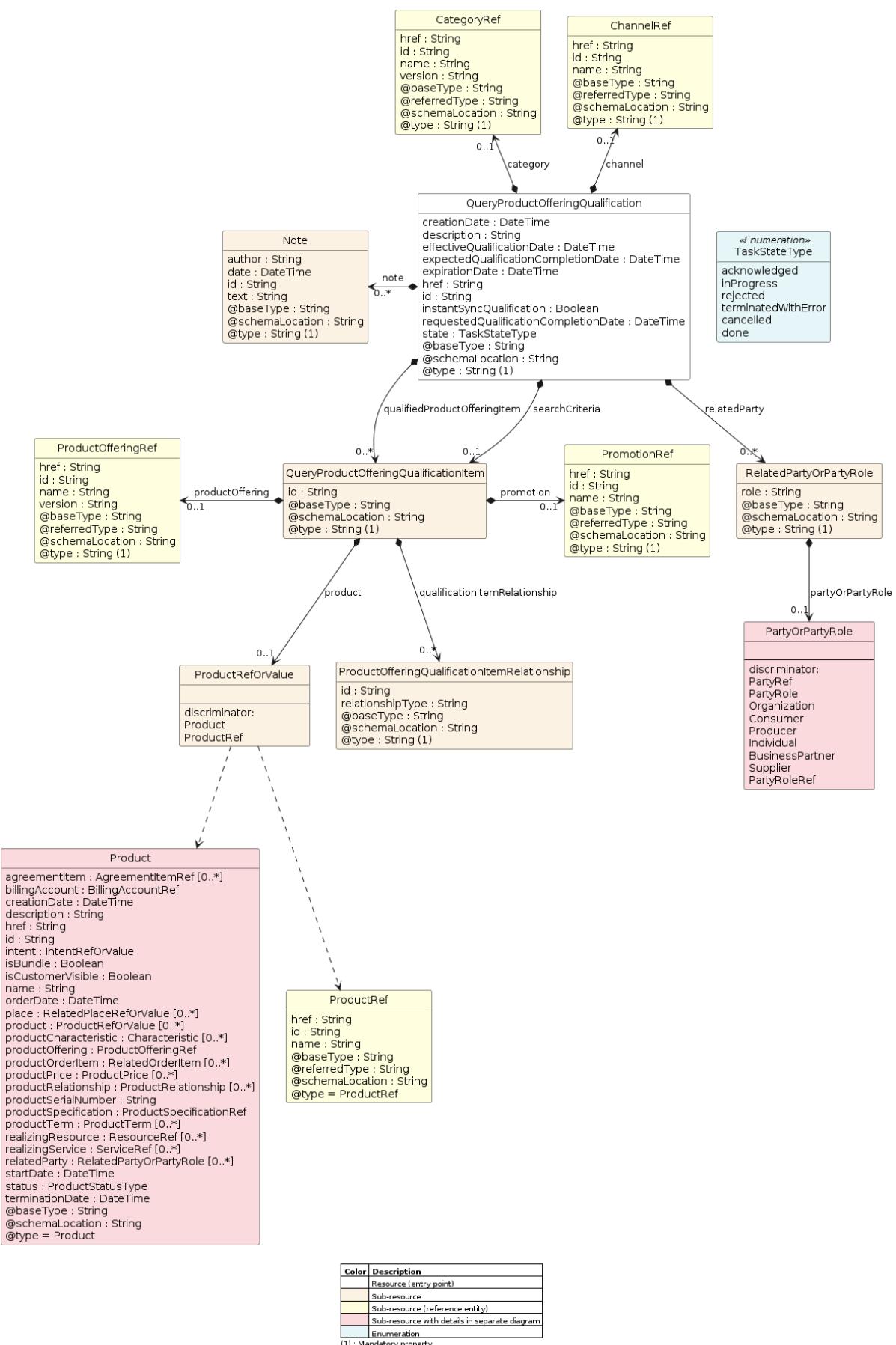


Figure 24 - QueryProductOfferingQualification

[.] | .//

Figure 25 - Intent

[.] | .//

Figure 26 - Intent

[.] | .//

Figure 27 - Organization

[.] | .//

Figure 28 - Organization

[.] | .//

Figure 29 - GeographicSiteFeature

[.] | .//

Figure 30 - GeographicSiteFeature

[.] | .//

Figure 31 - GeographicAddress

[.] | .//

Figure 32 - GeographicAddress

[.] | .//

Figure 33 - Individual

[.] | .//

Figure 34 - Individual

[.] | .//

Figure 35 - Party

[.] | .//

Figure 36 - Party

[.] | .//

Figure 37 - PartyOrPartyRole

[.] | .//

Figure 38 - PartyOrPartyRole

[.] | .//

Figure 39 - PartyRole

[.] | .//

Figure 40 - PartyRole

[.] | .//

Figure 41 - Product

[.] | .//

Figure 42 - Product

Field descriptions

QueryProductOfferingQualification fields

channel	A ChannelRef. The channel to which the resource reference to. e.g. channel for selling product offerings, channel for opening a trouble ticket etc..
creationDate	A DateTime. Date and time when the QueryProductOfferingQualification was created.
description	A String. Description of the QueryProductOfferingQualification.
effectiveQualificationDate	A DateTime. Effective date to QueryProductOfferingQualification completion.
expectedQualificationCompletion Date	A DateTime. Expected date from the server to provide an answer for the query qualification request.
expirationDate	A DateTime. Date the qualification response expires.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
instantSyncQualification	DEPRECATED A Boolean. A previous indicator which when the value is "true" means that requester expects to get qualification result immediately in the response. If the indicator is true (or by default now without it) then the response code of 200 indicates the operation is successful otherwise a task is created with a response 201. For asynchronous, this attribute is now replaced by the header request "Expect: 202-Accepted".
note	A Note. Extra information about a given entity.
qualifiedProductOfferingItem	A QueryProductOfferingQualificationItem.
relatedParty	A RelatedPartyOrPartyRole. RelatedParty reference. A related party defines party or party role or its reference, linked to a specific entity.
requestedQualificationCompletion Date	A DateTime. Deadline date when the requester expected a qualification answer.
searchCriteria	A QueryProductOfferingQualificationItem.
state	A TaskStateType. Possible values for the state of a task. ENUMERATED with values: * acknowledged * rejected * inProgress * cancelled * done * terminatedWithError
@baseType	A String. When sub-classing, this defines the super-class.

@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

QueryProductOfferingQualificationItem sub-resource fields

category	A CategoryRef. Reference to a category in the catalog.
id	A String. Identifier of the ProductOfferingQualification item (generally it is a sequence number 01, 02, 03, ...).
product	A ProductRefOrValue. The polymorphic attributes @type, @schemaLocation & @referredType are related to the Product entity and not the ProductRefOrValue class itself.
productOffering	A ProductOfferingRef. ProductOffering reference. A product offering represents entities that are orderable from the provider of the catalog, this resource includes pricing information.
promotion	A PromotionRef. Promotion reference. Promotion Resource is used to provide the additional discount, voucher, bonus or gift to the customer who meets the pre-defined criteria. Using promotion, the enterprise is able to attract the users and encourage more consumption, especially continuous purchases.
qualificationItemRelationship	A ProductOfferingQualificationItemRelationship. Structure used to describe relationship between productOfferingQualification item from the same ProductOfferingQualification.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

Note sub-resource fields

author	A String. Author of the note.
date	A DateTime. Date of the note.
id	A String. Identifier of the note within its containing entity.
text	A String. Text of the note.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

RelatedPartyOrPartyRole sub-resource fields

partyOrPartyRole	A PartyOrPartyRole.
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role	A String. Role played by the related party or party role in the context of the specific entity it is linked to. Such as 'initiator', 'customer', 'salesAgent', 'user'.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

ChannelRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

ProductOfferingRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
version	A String. Version of the product offering.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

CategoryRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
version	A String. Version of the category.

@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

Product sub-resource fields

agreementItem	An AgreementItemRef. It's a Agreement item that has been executed previously.
billingAccount	A BillingAccountRef. BillingAccount reference. A BillingAccount is a detailed description of a bill structure.
creationDate	A DateTime. Date and time when the product was created.
description	A String. Is the description of the product. It could be copied from the description of the Product Offering.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
intent	An IntentRefOrValue. Intent Ref (if Intent already exists) or Value (if Intent be created or its details be presented).
isBundle	A Boolean. If true, the product is a ProductBundle which is an instantiation of a BundledProductOffering. If false, the product is a ProductComponent which is an instantiation of a SimpleProductOffering.
isCustomerVisible	A Boolean. If true, the product is visible by the customer.
name	A String. Name of the product. It could be the same as the name of the product offering.
orderDate	A DateTime. Is the date when the product was ordered.
place	A RelatedPlaceRefOrValue. Entity reference. The polymorphic attributes @type, @schemaLocation & @referredType are related to the RelatedPlace entity and not the RelatedPlaceRefOrValue class itself.
product	A ProductRefOrValue. The polymorphic attributes @type, @schemaLocation & @referredType are related to the Product entity and not the ProductRefOrValue class itself.

productCharacteristic	A Characteristic. Describes a given characteristic of an object or entity through a name/value pair. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : StringCharacteristic, ObjectCharacteristic, FloatCharacteristic, BooleanCharacteristic, NumberCharacteristic, IntegerCharacteristic, StringArrayCharacteristic, ObjectArrayCharacteristic, BooleanArrayCharacteristic, NumberArrayCharacteristic, IntegerArrayCharacteristic...
	Characteristic can be instantiated as * BooleanArrayCharacteristic * BooleanCharacteristic * IntegerArrayCharacteristic * IntegerCharacteristic * NumberArrayCharacteristic * NumberCharacteristic * ObjectArrayCharacteristic * ObjectCharacteristic * StringArrayCharacteristic * StringCharacteristic
productOffering	A ProductOfferingRef. ProductOffering reference. A product offering represents entities that are orderable from the provider of the catalog, this resource includes pricing information.
productOrderItem	A RelatedOrderItem. It's a Order item that has been executed previously.
productPrice	A ProductPrice. Description of price and discount awarded.
productRelationship	A ProductRelationship. Used to describe relationship between product.
productSerialNumber	A String. Is the serial number for the product. This is typically applicable to tangible products e.g. Broadband Router.
productSpecification	A ProductSpecificationRef. ProductSpecification reference. A product Specification represents entities that are orderable from the provider of the catalog.
productTerm	A ProductTerm. Description of a productTerm linked to this product. This represent a commitment with a duration.
realizingResource	A ResourceRef. Resource reference, for when Resource is used by other entities.
realizingService	A ServiceRef. Service reference, for when Service is used by other entities.
relatedParty	A RelatedPartyOrPartyRole. RelatedParty reference. A related party defines party or party role or its reference, linked to a specific entity.
startDate	A DateTime. Is the date from which the product starts.

status	A ProductStatusType. Possible values for the status of the product. ENUMERATED with values: * created * pendingActive * cancelled * active * pendingTerminate * terminated * suspended * aborted
terminationDate	A DateTime. Is the date when the product was terminated.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

ProductRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

PromotionRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

ProductOfferingQualificationItemRelationship sub-resource fields

<code>id</code>	A String. Id of the related POQ item (must be in the same POQ).
<code>relationshipType</code>	A String. Relationship type as relies on, bundles, etc...
<code>@baseType</code>	A String. When sub-classing, this defines the super-class.
<code>@schemaLocation</code>	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
<code>@type</code>	A String. When sub-classing, this defines the sub-class Extensible name.

BillingAccountRef sub-resource fields

<code>href</code>	A String. Hyperlink reference.
<code>id</code>	A String. Unique identifier.
<code>name</code>	A String. Name of the referred entity.
<code>ratingType</code>	A String. Indicates whether the account follows a specific payment option such as prepaid or postpaid.
<code>@baseType</code>	A String. When sub-classing, this defines the super-class.
<code>@referredType</code>	A String. The actual type of the target instance when needed for disambiguation.
<code>@schemaLocation</code>	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
<code>@type</code>	A String. When sub-classing, this defines the sub-class Extensible name.

ObjectCharacteristic sub-resource fields

<code>characteristicRelationship</code>	A CharacteristicRelationship. Another Characteristic that is related to the current Characteristic;.
<code>id</code>	A String. Unique identifier of the characteristic.
<code>name</code>	A String. Name of the characteristic.
<code>value</code>	An object. Value of the characteristic.
<code>valueType</code>	A String. Data type of the value of the characteristic.
<code>@baseType</code>	A String. When sub-classing, this defines the super-class.
<code>@schemaLocation</code>	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
<code>@type</code>	A String. When sub-classing, this defines the sub-class Extensible name.

NumberCharacteristic sub-resource fields

<code>characteristicRelationship</code>	A CharacteristicRelationship. Another Characteristic that is related to the current Characteristic;.
<code>id</code>	A String. Unique identifier of the characteristic.

name	A String. Name of the characteristic.
value	A Number. Value of the characteristic.
valueType	A String. Data type of the value of the characteristic.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

BooleanArrayCharacteristic sub-resource fields

characteristicRelationship	A CharacteristicRelationship. Another Characteristic that is related to the current Characteristic;.
id	A String. Unique identifier of the characteristic.
name	A String. Name of the characteristic.
value	A Boolean. A characteristic which value is an array of Boolean(s).
valueType	A String. Data type of the value of the characteristic.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

BooleanCharacteristic sub-resource fields

characteristicRelationship	A CharacteristicRelationship. Another Characteristic that is related to the current Characteristic;.
id	A String. Unique identifier of the characteristic.
name	A String. Name of the characteristic.
value	A Boolean. Value of the characteristic.
valueType	A String. Data type of the value of the characteristic.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

NumberArrayCharacteristic sub-resource fields

characteristicRelationship	A CharacteristicRelationship. Another Characteristic that is related to the current Characteristic;.
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<code>id</code>	A String. Unique identifier of the characteristic.
<code>name</code>	A String. Name of the characteristic.
<code>value</code>	A Number. A characteristic which value is an array of Number(s).
<code>valueType</code>	A String. Data type of the value of the characteristic.
<code>@baseType</code>	A String. When sub-classing, this defines the super-class.
<code>@schemaLocation</code>	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
<code>@type</code>	A String. When sub-classing, this defines the sub-class Extensible name.

IntegerCharacteristic sub-resource fields

<code>characteristicRelationship</code>	A CharacteristicRelationship. Another Characteristic that is related to the current Characteristic;.
<code>id</code>	A String. Unique identifier of the characteristic.
<code>name</code>	A String. Name of the characteristic.
<code>value</code>	An Integer. Value of the characteristic.
<code>valueType</code>	A String. Data type of the value of the characteristic.
<code>@baseType</code>	A String. When sub-classing, this defines the super-class.
<code>@schemaLocation</code>	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
<code>@type</code>	A String. When sub-classing, this defines the sub-class Extensible name.

ObjectArrayCharacteristic sub-resource fields

<code>characteristicRelationship</code>	A CharacteristicRelationship. Another Characteristic that is related to the current Characteristic;.
<code>id</code>	A String. Unique identifier of the characteristic.
<code>name</code>	A String. Name of the characteristic.
<code>value</code>	An object. Collection of characteristic values.
<code>valueType</code>	A String. Data type of the value of the characteristic.
<code>@baseType</code>	A String. When sub-classing, this defines the super-class.
<code>@schemaLocation</code>	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
<code>@type</code>	A String. When sub-classing, this defines the sub-class Extensible name.

StringArrayCharacteristic sub-resource fields

characteristicRelationship	A CharacteristicRelationship. Another Characteristic that is related to the current Characteristic;.
id	A String. Unique identifier of the characteristic.
name	A String. Name of the characteristic.
value	A String. Collection of string characteristics.
valueType	A String. Data type of the value of the characteristic.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

IntegerArrayCharacteristic sub-resource fields

characteristicRelationship	A CharacteristicRelationship. Another Characteristic that is related to the current Characteristic;.
id	A String. Unique identifier of the characteristic.
name	A String. Name of the characteristic.
value	An Integer. A characteristic which value is an array of Integer(s).
valueType	A String. Data type of the value of the characteristic.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

StringCharacteristic sub-resource fields

characteristicRelationship	A CharacteristicRelationship. Another Characteristic that is related to the current Characteristic;.
id	A String. Unique identifier of the characteristic.
name	A String. Name of the characteristic.
value	A String. Value of the characteristic.
valueType	A String. Data type of the value of the characteristic.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

Characteristic sub-resource fields

characteristicRelationship	A CharacteristicRelationship. Another Characteristic that is related to the current Characteristic;.
id	A String. Unique identifier of the characteristic.
name	A String. Name of the characteristic.
valueType	A String. Data type of the value of the characteristic.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.
	Characteristic can be instanciated as * BooleanArrayCharacteristic * BooleanCharacteristic * IntegerArrayCharacteristic * IntegerCharacteristic * NumberArrayCharacteristic * NumberCharacteristic * ObjectArrayCharacteristic * ObjectCharacteristic * StringArrayCharacteristic * StringCharacteristic
value	This property is present in subclasses

ProductPrice sub-resource fields

description	A String. Description of the Product price.
name	A String. Name of the Product price.
price	A Price. Provides all amounts (tax included, duty free, tax rate), used currency and percentage to apply for Price and Price Alteration.
priceAlteration	A PriceAlteration. Is an amount, usually of money, that modifies the price charged for an order item.
priceType	A String. Indicate if the price is for recurrent or no-recurrent charge.
productOfferingPrice	A ProductOfferingPriceRef. ProductPriceOffering reference. An amount, usually of money, that is asked for or allowed when a ProductOffering is bought, rented, or leased.
recurringChargePeriod	A String. Used for recurring charge to indicate period (month, week, etc..).
unitOfMeasure	A String. Unit of Measure if price depending on it (Gb, SMS volume, etc..).
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.

@type	A String. When sub-classing, this defines the sub-class Extensible name.
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IntentRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

Intent sub-resource fields

attachment	An AttachmentRefOrValue. The polymorphic attributes @type , @schemaLocation & @referredType are related to the Attachment entity and not the AttachmentRefOrValue class itself.
characteristic	<p>A Characteristic. Describes a given characteristic of an object or entity through a name/value pair. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : StringCharacteristic, ObjectCharacteristic, FloatCharacteristic, BooleanCharacteristic, NumberCharacteristic, IntegerCharacteristic, StringArrayCharacteristic, ObjectArrayCharacteristic, BooleanArrayCharacteristic, NumberArrayCharacteristic, IntegerArrayCharacteristic...</p> <p>Characteristic can be instantiated as</p> <ul style="list-style-type: none"> * BooleanArrayCharacteristic * BooleanCharacteristic * IntegerArrayCharacteristic * IntegerCharacteristic * NumberArrayCharacteristic * NumberCharacteristic * ObjectArrayCharacteristic * ObjectCharacteristic * StringArrayCharacteristic * StringCharacteristic
context	A String. A string used to give a context to the intent.
creationDate	A DateTime. Date and time of the creation of this REST resource.
description	A String. The description of the intent.
expression	An IntentExpression. An Intent expression.
href	A String. Hyperlink reference.

id	A String. Unique identifier.
intentRelationship	An EntityRelationship. A uni-directional relationship from this entity to a target entity instance.
intentSpecification	An EntityRef. Entity reference schema to be use for all entityRef class.
isBundle	A Boolean. IsBundle determines whether an intent represents a single intent (false), or a bundle of intents(true).
lastUpdate	A DateTime. Date and time of the last update of this REST resource.
lifecycleStatus	A String. Used to indicate the current lifecycle status of this intent.
name	A String. The name of the intent.
priority	A String. Can be used by intent owner to prioritize intents in an intent management system.
relatedParty	A RelatedPartyRefOrPartyRoleRef. RelatedParty reference. A related party defines party or party role or its reference, linked to a specific entity.
statusChangeDate	A DateTime. A date time(DateTime). The date that the entity status changed to the current one.
validFor	A TimePeriod. A period of time, either as a deadline (endTime only) a startTime only, or both.
version	A String. A field that identifies the specific version of an instance of an intent.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

ProductRelationship sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
relationshipType	A String. Relationship type as relies on, bundles, etc...
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

RelatedOrderItem sub-resource fields

orderHref	A String. Reference of the related entity.
orderId	A String. Unique identifier of a related Order.
orderItemAction	An ItemActionType. Action to be performed on the entity managed by the item. ENUMERATED with values: * add * modify * delete * noChange
orderItemId	A String. Id of an item of a product order.
role	A String. Role played by the Order.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

AgreementItemRef sub-resource fields

agreementHref	A String. Reference of the related entity.
agreementId	A String. Unique identifier of a related entity.
agreementItemId	A String. Id of an item of a Agreement.
agreementName	A String. Name of the related entity.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

RelatedPlaceRefOrValue sub-resource fields

place	A PlaceRefOrValue. The polymorphic attributes @type, @schemaLocation & @referredType are related to the Place entity and not the PlaceRefOrValue class itself.
role	A String.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.

@type	A String. When sub-classing, this defines the sub-class Extensible name.
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ResourceRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

ProductTerm sub-resource fields

description	A String. Description of the productTerm.
duration	A Duration. A time interval in a given unit of time.
name	A String. Name of the productTerm.
validFor	A TimePeriod. A period of time, either as a deadline (endDateTime only) a startDateTime only, or both.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

ServiceRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

ProductSpecificationRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
targetProductSchema	A TargetProductSchema. The reference object to the schema and type of target product which is described by product specification.
version	A String. Version of the product specification.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

CharacteristicRelationship sub-resource fields

id	A String. Unique identifier of the characteristic.
relationshipType	A String. The type of relationship.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

PartyRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

PartyRole sub-resource fields

account	An AccountRef. Account reference. A account may be a party account or a financial account.
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agreement	An AgreementRef. Agreement reference. An agreement represents a contract or arrangement, either written or verbal and sometimes enforceable by law, such as a service level agreement or a customer price agreement. An agreement involves a number of other business entities, such as products, services, and resources and/or their specifications.
characteristic	<p>A Characteristic. Describes a given characteristic of an object or entity through a name/value pair. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : StringCharacteristic, ObjectCharacteristic, FloatCharacteristic, BooleanCharacteristic, NumberCharacteristic, IntegerCharacteristic, StringArrayCharacteristic, ObjectArrayCharacteristic, BooleanArrayCharacteristic, NumberArrayCharacteristic, IntegerArrayCharacteristic...</p> <p>Characteristic can be instantiated as</p> <ul style="list-style-type: none"> * BooleanArrayCharacteristic * BooleanCharacteristic * IntegerArrayCharacteristic * IntegerCharacteristic * NumberArrayCharacteristic * NumberCharacteristic * ObjectArrayCharacteristic * ObjectCharacteristic * StringArrayCharacteristic * StringCharacteristic
contactMedium	A ContactMedium. Indicates the contact medium that could be used to contact the party. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : EmailContactMedium, FaxContactMedium, PhoneContactMedium, GeographicAddressContactMedium, SocialMediaContactMedium...
creditProfile	A CreditProfile. Credit profile for the party (containing credit scoring, ...). By default only the current credit profile is retrieved. It can be used as a list to give the party credit profiles history, the first one in the list will be the current one.
description	A String. A description of the PartyRole.
engagedParty	A PartyRef. A Party reference.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. A word, term, or phrase by which the PartyRole is known and distinguished from other PartyRoles. It's the name of the PartyRole unique entity.
partyRoleSpecification	A PartyRoleSpecificationRef. Party role specification reference. A party role specification gives additional details on the part played by a party in a given context.
paymentMethod	A PaymentMethodRef. PaymentMethod reference. A payment method defines a specific mean of payment (e.g direct debit).

relatedParty	A RelatedPartyOrPartyRole. RelatedParty reference. A related party defines party or party role or its reference, linked to a specific entity.
role	A String. Role played by the engagedParty in this context. As role is defined by partyRoleSpecification, this role attribute can be used to precise the role defined by partyRoleSpecification, or it can be used to define the role in case there is no partyRoleSpecification.
status	A String. Used to track the lifecycle status of the party role.
statusReason	A String. A string providing an explanation on the value of the status lifecycle. For instance if the status is Rejected, statusReason will provide the reason for rejection.
validFor	A TimePeriod. A period of time, either as a deadline (endDateTime only) a startTime only, or both.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.
	PartyRole can be instantiated as * BusinessPartner * Consumer * Producer * Supplier

Organization sub-resource fields

contactMedium	A ContactMedium. Indicates the contact medium that could be used to contact the party. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : EmailContactMedium, FaxContactMedium, PhoneContactMedium, GeographicAddressContactMedium, SocialMediaContactMedium...
creditRating	A PartyCreditProfile. An individual might be evaluated for its worthiness and this evaluation might be based on a credit rating given by a credit agency.
existsDuring	A TimePeriod. A period of time, either as a deadline (endDateTime only) a startTime only, or both.

externalReference	An ExternalIdentifier. An identification of an entity that is owned by or originates in a software system different from the current system, for example a ProductOrder handed off from a commerce platform into an order handling system. The structure identifies the system itself, the nature of the entity within the system (e.g. class name) and the unique ID of the entity within the system. It is anticipated that multiple external IDs can be held for a single entity, e.g. if the entity passed through multiple systems on the way to the current system. In this case the consumer is expected to sequence the IDs in the array in reverse order of provenance, i.e. most recent system first in the list.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
isHeadOffice	A Boolean. If value is true, the organization is the head office.
isLegalEntity	A Boolean. If value is true, the organization is a legal entity known by a national referential.
name	A String. Organization name (department name for example).
nameType	A String. Type of the name : Co, Inc, Ltd, etc.
organizationChildRelationship	An OrganizationChildRelationship. Child references of an organization in a structure of organizations.
organizationIdentification	An OrganizationIdentification. Represents our registration of information used as proof of identity by an organization.
organizationParentRelationship	An OrganizationParentRelationship. Parent references of an organization in a structure of organizations.
organizationType	A String. Type of Organization (company, department...).
otherName	An OtherNameOrganization. Keeps track of other names, for example the old name of an organization.
partyCharacteristic	<p>A Characteristic. Describes a given characteristic of an object or entity through a name/value pair. This is an abstract base class, the actual value is in one of the strongly-typed subclasses :</p> <ul style="list-style-type: none"> * StringCharacteristic * ObjectCharacteristic * FloatCharacteristic * BooleanCharacteristic * NumberCharacteristic * IntegerCharacteristic * StringArrayCharacteristic * ObjectArrayCharacteristic * BooleanArrayCharacteristic * NumberArrayCharacteristic * IntegerArrayCharacteristic... <p>Characteristic can be instantiated as</p> <ul style="list-style-type: none"> * BooleanArrayCharacteristic * BooleanCharacteristic * IntegerArrayCharacteristic * IntegerCharacteristic * NumberArrayCharacteristic * NumberCharacteristic * ObjectArrayCharacteristic * ObjectCharacteristic * StringArrayCharacteristic * StringCharacteristic

relatedParty	A RelatedPartyOrPartyRole. RelatedParty reference. A related party defines party or party role or its reference, linked to a specific entity.
status	An OrganizationStateType. Valid values for the lifecycle state of the organization. ENUMERATED with values: * initialized * validated * closed
taxExemptionCertificate	A TaxExemptionCertificate. A tax exemption certificate represents a tax exemption granted to a party (individual or organization) by a tax jurisdiction which may be a city, state, country,... An exemption has a certificate identifier (received from the jurisdiction that levied the tax) and a validity period. An exemption is per tax types and determines for each type of tax what portion of the tax is exempted (partial by percentage or complete) via the tax definition.
tradingName	A String. Name that the organization (unit) trades under.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

Consumer sub-resource fields

account	An AccountRef. Account reference. A account may be a party account or a financial account.
agreement	An AgreementRef. Agreement reference. An agreement represents a contract or arrangement, either written or verbal and sometimes enforceable by law, such as a service level agreement or a customer price agreement. An agreement involves a number of other business entities, such as products, services, and resources and/or their specifications.

characteristic	<p>A Characteristic. Describes a given characteristic of an object or entity through a name/value pair. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : StringCharacteristic, ObjectCharacteristic, FloatCharacteristic, BooleanCharacteristic, NumberCharacteristic, IntegerCharacteristic, StringArrayCharacteristic, ObjectArrayCharacteristic, BooleanArrayCharacteristic, NumberArrayCharacteristic, IntegerArrayCharacteristic...</p> <p>Characteristic can be instantiated as</p> <ul style="list-style-type: none"> * BooleanArrayCharacteristic * BooleanCharacteristic * IntegerArrayCharacteristic * IntegerCharacteristic * NumberArrayCharacteristic * NumberCharacteristic * ObjectArrayCharacteristic * ObjectCharacteristic * StringArrayCharacteristic * StringCharacteristic
contactMedium	<p>A ContactMedium. Indicates the contact medium that could be used to contact the party. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : EmailContactMedium, FaxContactMedium, PhoneContactMedium, GeographicAddressContactMedium, SocialMediaContactMedium...</p>
creditProfile	<p>A CreditProfile. Credit profile for the party (containing credit scoring, ...). By default only the current credit profile is retrieved. It can be used as a list to give the party credit profiles history, the first one in the list will be the current one.</p>
description	<p>A String. A description of the PartyRole.</p>
engagedParty	<p>A PartyRef. A Party reference.</p>
href	<p>A String. Hyperlink reference.</p>
id	<p>A String. Unique identifier.</p>
name	<p>A String. A word, term, or phrase by which the PartyRole is known and distinguished from other PartyRoles. It's the name of the PartyRole unique entity.</p>
partyRoleSpecification	<p>A PartyRoleSpecificationRef. Party role specification reference. A party role specification gives additional details on the part played by a party in a given context.</p>
paymentMethod	<p>A PaymentMethodRef. PaymentMethod reference. A payment method defines a specific mean of payment (e.g direct debit).</p>
relatedParty	<p>A RelatedPartyOrPartyRole. RelatedParty reference. A related party defines party or party role or its reference, linked to a specific entity.</p>

role	A String. Role played by the engagedParty in this context. As role is defined by partyRoleSpecification, this role attribute can be used to precise the role defined by partyRoleSpecification, or it can be used to define the role in case there is no partyRoleSpecification.
status	A String. Used to track the lifecycle status of the party role.
statusReason	A String. A string providing an explanation on the value of the status lifecycle. For instance if the status is Rejected, statusReason will provide the reason for rejection.
validFor	A TimePeriod. A period of time, either as a deadline (endDateTime only) a startDateTime only, or both.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

Producer sub-resource fields

account	An AccountRef. Account reference. A account may be a party account or a financial account.
agreement	An AgreementRef. Agreement reference. An agreement represents a contract or arrangement, either written or verbal and sometimes enforceable by law, such as a service level agreement or a customer price agreement. An agreement involves a number of other business entities, such as products, services, and resources and/or their specifications.
characteristic	<p>A Characteristic. Describes a given characteristic of an object or entity through a name/value pair. This is an abstract base class, the actual value is in one of the strongly-typed subclasses :</p> <p>StringCharacteristic, ObjectCharacteristic, FloatCharacteristic, BooleanCharacteristic, NumberCharacteristic, IntegerCharacteristic, StringArrayCharacteristic, ObjectArrayCharacteristic, BooleanArrayCharacteristic, NumberArrayCharacteristic, IntegerArrayCharacteristic...</p> <p>Characteristic can be instantiated as</p> <ul style="list-style-type: none"> * BooleanArrayCharacteristic * BooleanCharacteristic * IntegerArrayCharacteristic * IntegerCharacteristic * NumberArrayCharacteristic * NumberCharacteristic * ObjectArrayCharacteristic * ObjectCharacteristic * StringArrayCharacteristic * StringCharacteristic

contactMedium	A ContactMedium. Indicates the contact medium that could be used to contact the party. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : EmailContactMedium, FaxContactMedium, PhoneContactMedium, GeographicAddressContactMedium, SocialMediaContactMedium...
creditProfile	A CreditProfile. Credit profile for the party (containing credit scoring, ...). By default only the current credit profile is retrieved. It can be used as a list to give the party credit profiles history, the first one in the list will be the current one.
description	A String. A description of the PartyRole.
engagedParty	A PartyRef. A Party reference.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. A word, term, or phrase by which the PartyRole is known and distinguished from other PartyRoles. It's the name of the PartyRole unique entity.
partyRoleSpecification	A PartyRoleSpecificationRef. Party role specification reference. A party role specification gives additional details on the part played by a party in a given context.
paymentMethod	A PaymentMethodRef. PaymentMethod reference. A payment method defines a specific mean of payment (e.g direct debit).
relatedParty	A RelatedPartyOrPartyRole. RelatedParty reference. A related party defines party or party role or its reference, linked to a specific entity.
role	A String. Role played by the engagedParty in this context. As role is defined by partyRoleSpecification, this role attribute can be used to precise the role defined by partyRoleSpecification, or it can be used to define the role in case there is no partyRoleSpecification.
status	A String. Used to track the lifecycle status of the party role.
statusReason	A String. A string providing an explanation on the value of the status lifecycle. For instance if the status is Rejected, statusReason will provide the reason for rejection.
validFor	A TimePeriod. A period of time, either as a deadline (endDateTime only) a startDateTime only, or both.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

Individual sub-resource fields

aristocraticTitle	A String. E.g. Baron, Graf, Earl.
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birthDate	A DateTime. Birth date.
contactMedium	A ContactMedium. Indicates the contact medium that could be used to contact the party. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : EmailContactMedium, FaxContactMedium, PhoneContactMedium, GeographicAddressContactMedium, SocialMediaContactMedium...
countryOfBirth	A String. Country where the individual was born.
creditRating	A PartyCreditProfile. An individual might be evaluated for its worthiness and this evaluation might be based on a credit rating given by a credit agency.
deathDate	A DateTime. Date of death.
disability	A Disability. Lack or inadequate strength or ability.
externalReference	An ExternalIdentifier. An identification of an entity that is owned by or originates in a software system different from the current system, for example a ProductOrder handed off from a commerce platform into an order handling system. The structure identifies the system itself, the nature of the entity within the system (e.g. class name) and the unique ID of the entity within the system. It is anticipated that multiple external IDs can be held for a single entity, e.g. if the entity passed through multiple systems on the way to the current system. In this case the consumer is expected to sequence the IDs in the array in reverse order of provenance, i.e. most recent system first in the list.
familyName	A String. Contains the non-chosen or inherited name. Also known as last name in the Western context.
familyNamePrefix	A String. Family name prefix.
formattedName	A String. A fully formatted name in one string with all of its pieces in their proper place and all of the necessary punctuation. Useful for specific contexts (Chinese, Japanese, Korean).
gender	A String. Gender.
generation	A String. E.g.. Sr, Jr, III (the third).
givenName	A String. First name of the individual.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
individualIdentification	An IndividualIdentification. Represents our registration of information used as proof of identity by an individual (passport, national identity card, drivers license, social security number, birth certificate).
languageAbility	A LanguageAbility. Ability of an individual to understand or converse in a language.
legalName	A String. Legal name or birth name (name one has for official purposes).
location	A String. Temporary current location of the individual (may be used if the individual has approved its sharing).

maritalStatus	A String. Marital status (married, divorced, widow ...).
middleName	A String. Middle name or initial.
name	A String. Full name flatten (first, middle, and last names) - this is the name that is expected to be presented in reference data types such as PartyRef, RelatedParty, etc. that refer to Individual.
nationality	A String. Nationality.
otherName	An OtherNameIndividual. Keeps track of other names, for example the old name of a woman before marriage or an artist name.
partyCharacteristic	<p>A Characteristic. Describes a given characteristic of an object or entity through a name/value pair. This is an abstract base class, the actual value is in one of the strongly-typed subclasses :</p> <ul style="list-style-type: none"> * StringCharacteristic * ObjectCharacteristic * FloatCharacteristic * BooleanCharacteristic * NumberCharacteristic * IntegerCharacteristic * StringArrayCharacteristic * ObjectArrayCharacteristic * BooleanArrayCharacteristic * NumberArrayCharacteristic * IntegerArrayCharacteristic <p>Characteristic can be instantiated as</p> <ul style="list-style-type: none"> * BooleanArrayCharacteristic * BooleanCharacteristic * IntegerArrayCharacteristic * IntegerCharacteristic * NumberArrayCharacteristic * NumberCharacteristic * ObjectArrayCharacteristic * ObjectCharacteristic * StringArrayCharacteristic * StringCharacteristic
placeOfBirth	A String. Reference to the place where the individual was born.
preferredGivenName	A String. Contains the chosen name by which the individual prefers to be addressed. Note: This name may be a name other than a given name, such as a nickname.
relatedParty	A RelatedPartyOrPartyRole. RelatedParty reference. A related party defines party or party role or its reference, linked to a specific entity.
skill	A Skill. Skills evaluated for an individual with a level and possibly with a limited validity when an obsolescence is defined (Ex: the first-aid certificate first level is limited to one year and an update training is required each year to keep the level).
status	<p>An IndividualStateType. Valid values for the lifecycle state of the individual. ENUMERATED with values:</p> <ul style="list-style-type: none"> * initialized * validated * deceased

taxExemptionCertificate	A TaxExemptionCertificate. A tax exemption certificate represents a tax exemption granted to a party (individual or organization) by a tax jurisdiction which may be a city, state, country,... An exemption has a certificate identifier (received from the jurisdiction that levied the tax) and a validity period. An exemption is per tax types and determines for each type of tax what portion of the tax is exempted (partial by percentage or complete) via the tax definition.
title	A String. Useful for titles (aristocratic, social,...) Pr, Dr, Sir, ...
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

BusinessPartner sub-resource fields

account	An AccountRef. Account reference. A account may be a party account or a financial account.
agreement	An AgreementRef. Agreement reference. An agreement represents a contract or arrangement, either written or verbal and sometimes enforceable by law, such as a service level agreement or a customer price agreement. An agreement involves a number of other business entities, such as products, services, and resources and/or their specifications.
characteristic	<p>A Characteristic. Describes a given characteristic of an object or entity through a name/value pair. This is an abstract base class, the actual value is in one of the strongly-typed subclasses :</p> <ul style="list-style-type: none"> StringCharacteristic, ObjectCharacteristic, FloatCharacteristic, BooleanCharacteristic, NumberCharacteristic, IntegerCharacteristic, StringArrayCharacteristic, ObjectArrayCharacteristic, BooleanArrayCharacteristic, NumberArrayCharacteristic, IntegerArrayCharacteristic... <p>Characteristic can be instantiated as</p> <ul style="list-style-type: none"> * BooleanArrayCharacteristic * BooleanCharacteristic * IntegerArrayCharacteristic * IntegerCharacteristic * NumberArrayCharacteristic * NumberCharacteristic * ObjectArrayCharacteristic * ObjectCharacteristic * StringArrayCharacteristic * StringCharacteristic
contactMedium	A ContactMedium. Indicates the contact medium that could be used to contact the party. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : EmailContactMedium, FaxContactMedium, PhoneContactMedium, GeographicAddressContactMedium, SocialMediaContactMedium...

creditProfile	A CreditProfile. Credit profile for the party (containing credit scoring, ...). By default only the current credit profile is retrieved. It can be used as a list to give the party credit profiles history, the first one in the list will be the current one.
description	A String. A description of the PartyRole.
engagedParty	A PartyRef. A Party reference.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. A word, term, or phrase by which the PartyRole is known and distinguished from other PartyRoles. It's the name of the PartyRole unique entity.
partyRoleSpecification	A PartyRoleSpecificationRef. Party role specification reference. A party role specification gives additional details on the part played by a party in a given context.
paymentMethod	A PaymentMethodRef. PaymentMethod reference. A payment method defines a specific mean of payment (e.g direct debit).
relatedParty	A RelatedPartyOrPartyRole. RelatedParty reference. A related party defines party or party role or its reference, linked to a specific entity.
role	A String. Role played by the engagedParty in this context. As role is defined by partyRoleSpecification, this role attribute can be used to precise the role defined by partyRoleSpecification, or it can be used to define the role in case there is no partyRoleSpecification.
status	A String. Used to track the lifecycle status of the party role.
statusReason	A String. A string providing an explanation on the value of the status lifecycle. For instance if the status is Rejected, statusReason will provide the reason for rejection.
validFor	A TimePeriod. A period of time, either as a deadline (endDateTime only) a startDateTime only, or both.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

Supplier sub-resource fields

account	An AccountRef. Account reference. A account may be a party account or a financial account.
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agreement	An AgreementRef. Agreement reference. An agreement represents a contract or arrangement, either written or verbal and sometimes enforceable by law, such as a service level agreement or a customer price agreement. An agreement involves a number of other business entities, such as products, services, and resources and/or their specifications.
characteristic	<p>A Characteristic. Describes a given characteristic of an object or entity through a name/value pair. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : StringCharacteristic, ObjectCharacteristic, FloatCharacteristic, BooleanCharacteristic, NumberCharacteristic, IntegerCharacteristic, StringArrayCharacteristic, ObjectArrayCharacteristic, BooleanArrayCharacteristic, NumberArrayCharacteristic, IntegerArrayCharacteristic...</p> <p>Characteristic can be instantiated as</p> <ul style="list-style-type: none"> * BooleanArrayCharacteristic * BooleanCharacteristic * IntegerArrayCharacteristic * IntegerCharacteristic * NumberArrayCharacteristic * NumberCharacteristic * ObjectArrayCharacteristic * ObjectCharacteristic * StringArrayCharacteristic * StringCharacteristic
contactMedium	A ContactMedium. Indicates the contact medium that could be used to contact the party. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : EmailContactMedium, FaxContactMedium, PhoneContactMedium, GeographicAddressContactMedium, SocialMediaContactMedium...
creditProfile	A CreditProfile. Credit profile for the party (containing credit scoring, ...). By default only the current credit profile is retrieved. It can be used as a list to give the party credit profiles history, the first one in the list will be the current one.
description	A String. A description of the PartyRole.
engagedParty	A PartyRef. A Party reference.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. A word, term, or phrase by which the PartyRole is known and distinguished from other PartyRoles. It's the name of the PartyRole unique entity.
partyRoleSpecification	A PartyRoleSpecificationRef. Party role specification reference. A party role specification gives additional details on the part played by a party in a given context.
paymentMethod	A PaymentMethodRef. PaymentMethod reference. A payment method defines a specific mean of payment (e.g direct debit).

relatedParty	A RelatedPartyOrPartyRole. RelatedParty reference. A related party defines party or party role or its reference, linked to a specific entity.
role	A String. Role played by the engagedParty in this context. As role is defined by partyRoleSpecification, this role attribute can be used to precise the role defined by partyRoleSpecification, or it can be used to define the role in case there is no partyRoleSpecification.
status	A String. Used to track the lifecycle status of the party role.
statusReason	A String. A string providing an explanation on the value of the status lifecycle. For instance if the status is Rejected, statusReason will provide the reason for rejection.
validFor	A TimePeriod. A period of time, either as a deadline (endDateTime only) a startDateTime only, or both.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

PartyRoleRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
partyId	A String. The identifier of the engaged party that is linked to the PartyRole object.
partyName	A String. The name of the engaged party that is linked to the PartyRole object.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

Party sub-resource fields

contactMedium	A ContactMedium. Indicates the contact medium that could be used to contact the party. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : EmailContactMedium, FaxContactMedium, PhoneContactMedium, GeographicAddressContactMedium, SocialMediaContactMedium...
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creditRating	A PartyCreditProfile. An individual might be evaluated for its worthiness and this evaluation might be based on a credit rating given by a credit agency.
externalReference	An ExternalIdentifier. An identification of an entity that is owned by or originates in a software system different from the current system, for example a ProductOrder handed off from a commerce platform into an order handling system. The structure identifies the system itself, the nature of the entity within the system (e.g. class name) and the unique ID of the entity within the system. It is anticipated that multiple external IDs can be held for a single entity, e.g. if the entity passed through multiple systems on the way to the current system. In this case the consumer is expected to sequence the IDs in the array in reverse order of provenance, i.e. most recent system first in the list.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
partyCharacteristic	<p>A Characteristic. Describes a given characteristic of an object or entity through a name/value pair. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : StringCharacteristic, ObjectCharacteristic, FloatCharacteristic, BooleanCharacteristic, NumberCharacteristic, IntegerCharacteristic, StringArrayCharacteristic, ObjectArrayCharacteristic, BooleanArrayCharacteristic, NumberArrayCharacteristic, IntegerArrayCharacteristic...</p> <p>Characteristic can be instantiated as</p> <ul style="list-style-type: none"> * BooleanArrayCharacteristic * BooleanCharacteristic * IntegerArrayCharacteristic * IntegerCharacteristic * NumberArrayCharacteristic * NumberCharacteristic * ObjectArrayCharacteristic * ObjectCharacteristic * StringArrayCharacteristic * StringCharacteristic
relatedParty	A RelatedPartyOrPartyRole. RelatedParty reference. A related party defines party or party role or its reference, linked to a specific entity.
taxExemptionCertificate	A TaxExemptionCertificate. A tax exemption certificate represents a tax exemption granted to a party (individual or organization) by a tax jurisdiction which may be a city, state, country,... An exemption has a certificate identifier (received from the jurisdiction that levied the tax) and a validity period. An exemption is per tax types and determines for each type of tax what portion of the tax is exempted (partial by percentage or complete) via the tax definition.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.

@type	A String. When sub-classing, this defines the sub-class Extensible name.
	Party can be instantiated as * Individual * Organization
aristocraticTitle	This property is present in subclasses
birthDate	This property is present in subclasses
countryOfBirth	This property is present in subclasses
deathDate	This property is present in subclasses
disability	This property is present in subclasses
existsDuring	This property is present in subclasses
familyName	This property is present in subclasses
familyNamePrefix	This property is present in subclasses
formattedName	This property is present in subclasses
gender	This property is present in subclasses
generation	This property is present in subclasses
givenName	This property is present in subclasses
individualIdentification	This property is present in subclasses
isHeadOffice	This property is present in subclasses
isLegalEntity	This property is present in subclasses
languageAbility	This property is present in subclasses
legalName	This property is present in subclasses
location	This property is present in subclasses
maritalStatus	This property is present in subclasses
middleName	This property is present in subclasses
name	This property is present in subclasses
nameType	This property is present in subclasses
nationality	This property is present in subclasses
organizationChildRelationship	This property is present in subclasses
organizationIdentification	This property is present in subclasses
organizationParentRelationship	This property is present in subclasses
organizationType	This property is present in subclasses
otherName	This property is present in subclasses
placeOfBirth	This property is present in subclasses
preferredGivenName	This property is present in subclasses
skill	This property is present in subclasses

status	This property is present in subclasses
title	This property is present in subclasses
tradingName	This property is present in subclasses

CreditProfile sub-resource fields

creditProfileDate	A DateTime. The date the profile was established.
creditRiskRating	An Integer. This is an integer whose value is used to rate the risk.
creditScore	An Integer. A measure of a person or organizations creditworthiness calculated on the basis of a combination of factors such as their income and credit history.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
validFor	A TimePeriod. A period of time, either as a deadline (endDateTime only) a startDateTime only, or both.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

ContactMedium sub-resource fields

contactType	A String. Type of the contact medium to qualify it like pro email / personal email. This is not used to define the contact medium used.
id	A String. Identifier for this contact medium.
preferred	A Boolean. If true, indicates that is the preferred contact medium.
validFor	A TimePeriod. A period of time, either as a deadline (endDateTime only) a startDateTime only, or both.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

AgreementRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.

@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

AccountRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

PartyRoleSpecificationRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

PaymentMethodRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.

@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

OrganizationParentRelationship sub-resource fields

organization	An OrganizationRef.
relationshipType	A String. Type of the relationship. Could be juridical, hierarchical, geographical, functional for example.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

OrganizationIdentification sub-resource fields

attachment	An AttachmentRefOrValue. The polymorphic attributes @type, @schemaLocation & @referredType are related to the Attachment entity and not the AttachmentRefOrValue class itself.
identificationId	A String. Identifier.
identificationType	A String. Type of identification information used to identify the company in a country or internationally.
issuingAuthority	A String. Authority which has issued the identifier (chamber of commerce...).
issuingDate	A DateTime. Date at which the identifier was issued.
validFor	A TimePeriod. A period of time, either as a deadline (endDateTime only) a startDateTime only, or both.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

OtherNameOrganization sub-resource fields

name	A String. Organization name (department name for example).
nameType	A String. Co. , Inc. , Ltd. , Pty Ltd. , Plc; , Gmbh.
tradingName	A String. The name that the organization trades under.
validFor	A TimePeriod. A period of time, either as a deadline (endDateTime only) a startDateTime only, or both.
@baseType	A String. When sub-classing, this defines the super-class.

@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

OrganizationChildRelationship sub-resource fields

organization	An OrganizationRef.
relationshipType	A String. Type of the relationship. Could be juridical, hierarchical, geographical, functional for example.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

OrganizationRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

Attachment sub-resource fields

attachmentType	A String. A business characterization of the purpose of the attachment, for example logo, instructionManual, contractCopy.
content	A Base64. The actual contents of the attachment object, if embedded, encoded as base64.
description	A String. A narrative text describing the content of the attachment.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
contentType	A String. A technical characterization of the attachment content format using IETF Mime Types.
name	A String. The name of the attachment.
size	A Quantity. An amount in a given unit.

url	A String. Uniform Resource Locator, is a web page address (a subset of URI).
validFor	A TimePeriod. A period of time, either as a deadline (endDateTime only) a startDateTime only, or both.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

AttachmentRef sub-resource fields

description	A String. A narrative text describing the content of the attachment.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
url	A String. Link to the attachment media/content.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

IndividualIdentification sub-resource fields

attachment	An AttachmentRefOrValue. The polymorphic attributes @type, @schemaLocation & @referredType are related to the Attachment entity and not the AttachmentRefOrValue class itself.
identificationId	A String. Identifier.
identificationType	A String. Identification type (passport, national identity card, drivers license, social security number, birth certificate).
issuingAuthority	A String. Authority which has issued the identifier, such as: social security, town hall.
issuingDate	A DateTime. Date at which the identifier was issued.
validFor	A TimePeriod. A period of time, either as a deadline (endDateTime only) a startDateTime only, or both.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.

@type	A String. When sub-classing, this defines the sub-class Extensible name.
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PriceAlteration sub-resource fields

applicationDuration	An Integer. Duration during which the alteration applies on the order item price (for instance 2 months free of charge for the recurring charge).
description	A String. A narrative that explains in detail the semantics of this order item price alteration.
name	A String. Name of the order item price alteration.
price	A Price. Provides all amounts (tax included, duty free, tax rate), used currency and percentage to apply for Price and Price Alteration.
priceType	A String. A category that describes the price such as recurring, one time and usage.
priority	An Integer. Priority level for applying this alteration among all the defined alterations on the order item price.
productOfferingPrice	A ProductOfferingPriceRef. ProductPriceOffering reference. An amount, usually of money, that is asked for or allowed when a ProductOffering is bought, rented, or leased.
recurringChargePeriod	A String. Could be month, week...
unitOfMeasure	A String. Could be minutes, GB...
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

ProductOfferingPriceRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
version	A String. Version of the product offering price.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

Price sub-resource fields

dutyFreeAmount	A Money. A base / value business entity used to represent money.
percentage	A Float. Percentage to apply for ProdOfferPriceAlteration.
taxIncludedAmount	A Money. A base / value business entity used to represent money.
taxRate	A Float. Tax rate.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

IntentExpression sub-resource fields

iri	A String. Internationalized Resource Identifier of the intent Expression.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

RelatedPartyRefOrPartyRoleRef sub-resource fields

partyOrPartyRole	A PartyRefOrPartyRoleRef.
role	A String. Role played by the related party or party role in the context of the specific entity it is linked to. Such as 'initiator', 'customer', 'salesAgent', 'user'.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

GeographicAddress sub-resource fields

city	A String. City that the address is in.
country	A String. Country that the address is in.

countryCode	A StandardIdentifier. The corresponding identification of the resource in different standard, regulatory definitions. The standard specification identifier (e.g., ISO 3166-1 Alpha-2) and the corresponding value (e.g., BE) relevant to a particular resource. It is anticipated that multiple standards can provide definitions for a single entity, e.g., a country identifier can be specified in various standards (e.g., "ISO 3166-1 Alpha 2", "ISO 3166-1 Alpha 3", "ISO 3166-1 Numeric").
externalIdentifier	An ExternalIdentifier. An identification of an entity that is owned by or originates in a software system different from the current system, for example a ProductOrder handed off from a commerce platform into an order handling system. The structure identifies the system itself, the nature of the entity within the system (e.g. class name) and the unique ID of the entity within the system. It is anticipated that multiple external IDs can be held for a single entity, e.g. if the entity passed through multiple systems on the way to the current system. In this case the consumer is expected to sequence the IDs in the array in reverse order of provenance, i.e. most recent system first in the list.
geographicAddressRelationship	A GeographicAddressRelationship. The GeographicAddressRelationship schema represents a relationship between geographic addresses. It defines the structure for storing information about how two geographic addresses are related to each other within a system.
geographicAddressType	A String. Classification of the address, e.g., residential, industrial.
geographicLocation	A GeographicLocationRefOrValue. The polymorphic attributes @type, @schemaLocation & @referredType are related to the GeographicLocation entity and not the GeographicLocationRefOrValue class itself.
geographicSite	A GeographicSiteRefOrValue. The polymorphic attributes @type, @schemaLocation & @referredType are related to the GeographicSite entity and not the GeographicSiteRefOrValue class itself.
geographicSubAddress	A GeographicSubAddress. Representation of a GeographicSubAddress. It is used for addressing within a property in an urban area (country properties are often defined differently). It may refer to a building, a building cluster, or a floor of a multistory building.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
locality	A String. An area of defined or undefined boundaries within a local authority or other legislatively defined area, usually rural or semi rural in nature. [ANZLIC-STREET], or a suburb, a bounded locality within a city, town or shire principally of urban character [ANZLICSTREET].
postcode	A String. Descriptor for a postal delivery area, used to speed and simplify the delivery of mail (also known as zipcode).
stateOrProvince	A String. The State or Province that the address is in.

streetName	A String. Name of the street or other street type.
streetNr	A String. Number identifying a specific property on a public street. It may be combined with streetNrLast for ranged addresses.
streetNrLast	A String. Last number in a range of street numbers allocated to a property.
streetNrLastSuffix	A String. Last street number suffix for a ranged address.
streetNrSuffix	A String. The first street number suffix.
streetSuffix	A String. A modifier denoting a relative direction.
streetType	A String. Alley, avenue, boulevard, brae, crescent, drive, highway, lane, terrace, parade, place, tarn, way, wharf.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

GeographicLocation sub-resource fields

bbox	A bbox. A bounding box array that contains the geometry. The axes order follows the axes order of the geometry.
externalIdentifier	An ExternalIdentifier. An identification of an entity that is owned by or originates in a software system different from the current system, for example a ProductOrder handed off from a commerce platform into an order handling system. The structure identifies the system itself, the nature of the entity within the system (e.g. class name) and the unique ID of the entity within the system. It is anticipated that multiple external IDs can be held for a single entity, e.g. if the entity passed through multiple systems on the way to the current system. In this case the consumer is expected to sequence the IDs in the array in reverse order of provenance, i.e. most recent system first in the list.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

GeographicSite sub-resource fields

calendar	A CalendarPeriod. The CalendarPeriod schema represents a period of time within a calendar, defining various attributes such as the applicable day, timezone, hour period, and status. It is designed to capture information about the availability or status of a calendar period, which can be used in scheduling, booking, or resource allocation applications.
code	A String. A code that may be used for some addressing schemes eg: [ANSI T1.253-1999].
contactMedium	A ContactMedium. Indicates the contact medium that could be used to contact the party. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : EmailContactMedium, FaxContactMedium, PhoneContactMedium, GeographicAddressContactMedium, SocialMediaContactMedium...
creationDate	A DateTime. Date and time when the GeographicSite was created.
description	A String. Text describing additional information regarding the site.
externalIdentifier	An ExternalIdentifier. An identification of an entity that is owned by or originates in a software system different from the current system, for example a ProductOrder handed off from a commerce platform into an order handling system. The structure identifies the system itself, the nature of the entity within the system (e.g. class name) and the unique ID of the entity within the system. It is anticipated that multiple external IDs can be held for a single entity, e.g. if the entity passed through multiple systems on the way to the current system. In this case the consumer is expected to sequence the IDs in the array in reverse order of provenance, i.e. most recent system first in the list.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
place	A PlaceRefOrValue. The polymorphic attributes @type, @schemaLocation & @referredType are related to the Place entity and not the PlaceRefOrValue class itself.
relatedParty	A RelatedPartyRefOrPartyRoleRef. RelatedParty reference. A related party defines party or party role or its reference, linked to a specific entity.
siteCategory	A String. Site classification/category.
siteFeature	A GeographicSiteFeature. Geographic Site Feature captures various site information, ranging from survey data to safety guidelines and hazard information.
siteRelationship	A GeographicSiteRelationship. Details of geographic site relationship.
status	A String. The condition of the GeographicSite, such as planned, underConstruction, cancelled, active, inactive, former.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.

@type	A String. When sub-classing, this defines the sub-class Extensible name.
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PlaceRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

Place sub-resource fields

externalIdentifier	An ExternalIdentifier. An identification of an entity that is owned by or originates in a software system different from the current system, for example a ProductOrder handed off from a commerce platform into an order handling system. The structure identifies the system itself, the nature of the entity within the system (e.g. class name) and the unique ID of the entity within the system. It is anticipated that multiple external IDs can be held for a single entity, e.g. if the entity passed through multiple systems on the way to the current system. In this case the consumer is expected to sequence the IDs in the array in reverse order of provenance, i.e. most recent system first in the list.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.
	Place can be instantiated as * GeographicAddress * GeographicLocation * GeographicSite
bbox	This property is present in subclasses
calendar	This property is present in subclasses
city	This property is present in subclasses
code	This property is present in subclasses

contactMedium	This property is present in subclasses
country	This property is present in subclasses
countryCode	This property is present in subclasses
creationDate	This property is present in subclasses
description	This property is present in subclasses
geographicAddressRelationship	This property is present in subclasses
geographicAddressType	This property is present in subclasses
geographicLocation	This property is present in subclasses
geographicSite	This property is present in subclasses
geographicSubAddress	This property is present in subclasses
locality	This property is present in subclasses
place	This property is present in subclasses
postcode	This property is present in subclasses
relatedParty	This property is present in subclasses
siteCategory	This property is present in subclasses
siteFeature	This property is present in subclasses
siteRelationship	This property is present in subclasses
stateOrProvince	This property is present in subclasses
status	This property is present in subclasses
streetName	This property is present in subclasses
streetNr	This property is present in subclasses
streetNrLast	This property is present in subclasses
streetNrLastSuffix	This property is present in subclasses
streetNrSuffix	This property is present in subclasses
streetSuffix	This property is present in subclasses
streetType	This property is present in subclasses

GeographicAddressRelationship sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
relationshipType	A String. Type of relationship between the geographic addresses. This attribute specifies the nature of the relationship between the related addresses. It provides context for understanding how the addresses are related to each other.
@baseType	A String. When sub-classing, this defines the super-class.

@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

StandardIdentifier sub-resource fields

format	A String. Standard/Regulatory definition identifier. e.g., ISO 3166-1.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
value	A String. The value of the resource in the corresponding standard.e.g., a country code value.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

GeographicLocationRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

GeographicSubAddress sub-resource fields

buildingName	A String. Allows for buildings that have well-known names.
href	A String. Hyperlink reference.
id	A String. Unique identifier.
levelNumber	A String. Used where a level type may be repeated e.g. BASEMENT 1, BASEMENT 2.
levelType	A String. Describes level types within a building.

name	A String. Name of the subAddress to identify it with a meaningful identification.
privateStreetName	A String. Private streets internal to a property (e.g. a university) may have internal names that are not recorded by the land title office.
privateStreetNumber	A String. Private streets numbers internal to a private street.
subAddressType	A String. Type of subAddress : it can be a subunit or a private street.
subUnit	A GeographicSubAddressUnit. Representation of a SubUnit. It is used for describing subunit within a subAddress e.g. BERTH, FLAT, PIER, SUITE, SHOP, TOWER, UNIT, WHARF.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

GeographicSiteRef sub-resource fields

href	A String. Hyperlink reference.
id	A String. Unique identifier.
name	A String. Name of the referred entity.
@baseType	A String. When sub-classing, this defines the super-class.
@referredType	A String. The actual type of the target instance when needed for disambiguation.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

GeographicSubAddressUnit sub-resource fields

subUnitNumber	A String. The discriminator used for the subunit, often just a simple number but may also be a range.
subUnitType	A String. The type of subunit e.g.BERTH, FLAT, PIER, SUITE, SHOP, TOWER, UNIT, WHARF, RACK.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

CalendarPeriod sub-resource fields

day	A String. Day where the calendar status applies (e.g.: monday, mon-to-fri, weekdays, weekend, all week, ...).
hourPeriod	A HourPeriod. Hour interval.
status	A String. Indication of the availability of the calendar period (e.g.: available, booked, etc.).
timeZone	A String. Indication of the timezone applicable to the calendar information (e.g.: Paris, GMT+1).
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

GeographicSiteRelationship sub-resource fields

href	A String. Reference of the related geographic site.
id	A String. Unique identifier of the related site entity within the server.
relationshipType	A String. Type of relationship.
role	A String. Role of the related site in the relationship.
validFor	A TimePeriod. A period of time, either as a deadline (endDateTime only) a startDateTime only, or both.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

GeographicSiteFeature sub-resource fields

attachment	An AttachmentRefOrValue. The polymorphic attributes @type, @schemaLocation & @referredType are related to the Attachment entity and not the AttachmentRefOrValue class itself.
featureCategory	A String. Collection of feature category.

featureCharacteristic	A Characteristic. Describes a given characteristic of an object or entity through a name/value pair. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : StringCharacteristic, ObjectCharacteristic, FloatCharacteristic, BooleanCharacteristic, NumberCharacteristic, IntegerCharacteristic, StringArrayCharacteristic, ObjectArrayCharacteristic, BooleanArrayCharacteristic, NumberArrayCharacteristic, IntegerArrayCharacteristic...
	Characteristic can be instantiated as * BooleanArrayCharacteristic * BooleanCharacteristic * IntegerArrayCharacteristic * IntegerCharacteristic * NumberArrayCharacteristic * NumberCharacteristic * ObjectArrayCharacteristic * ObjectCharacteristic * StringArrayCharacteristic * StringCharacteristic
featureRelationship	A FeatureRelationship. Configuration feature.
id	A String. Unique identifier.
isBundle	A Boolean. True if this is a feature group. Default is false.
isEnabled	A Boolean. True if this feature is enabled. Default is true.
name	A String. This is the name for the feature.
note	A Note. Extra information about a given entity.
policyConstraint	A PolicyRef. Reference to managed Policy object.
relatedParty	A RelatedPartyRefOrPartyRoleRef. RelatedParty reference. A related party defines party or party role or its reference, linked to a specific entity.
validFor	A CalendarPeriod. The CalendarPeriod schema represents a period of time within a calendar, defining various attributes such as the applicable day, timezone, hour period, and status. It is designed to capture information about the availability or status of a calendar period, which can be used in scheduling, booking, or resource allocation applications.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

Feature sub-resource fields

featureCharacteristic	<p>A Characteristic. Describes a given characteristic of an object or entity through a name/value pair. This is an abstract base class, the actual value is in one of the strongly-typed subclasses : StringCharacteristic, ObjectCharacteristic, FloatCharacteristic, BooleanCharacteristic, NumberCharacteristic, IntegerCharacteristic, StringArrayCharacteristic, ObjectArrayCharacteristic, BooleanArrayCharacteristic, NumberArrayCharacteristic, IntegerArrayCharacteristic...</p> <p>Characteristic can be instantiated as</p> <ul style="list-style-type: none"> * BooleanArrayCharacteristic * BooleanCharacteristic * IntegerArrayCharacteristic * IntegerCharacteristic * NumberArrayCharacteristic * NumberCharacteristic * ObjectArrayCharacteristic * ObjectCharacteristic * StringArrayCharacteristic * StringCharacteristic
featureRelationship	A FeatureRelationship. Configuration feature.
id	A String. Unique identifier.
isBundle	A Boolean. True if this is a feature group. Default is false.
isEnabled	A Boolean. True if this feature is enabled. Default is true.
name	A String. This is the name for the feature.
policyConstraint	A PolicyRef. Reference to managed Policy object.
@baseType	A String. When sub-classing, this defines the super-class.
@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.
	<p>Feature can be instantiated as</p> <ul style="list-style-type: none"> * GeographicSiteFeature
attachment	This property is present in subclasses
featureCategory	This property is present in subclasses
note	This property is present in subclasses
relatedParty	This property is present in subclasses
validFor	This property is present in subclasses

HourPeriod sub-resource fields

endHour	A String. The time when the status ends applying.
startHour	A String. The time when the status starts applying.
@baseType	A String. When sub-classing, this defines the super-class.

@schemaLocation	A String. A URI to a JSON-Schema file that defines additional attributes and relationships.
@type	A String. When sub-classing, this defines the sub-class Extensible name.

Json representation sample(s)

We provide below a JSON representation as example of the 'QueryProductOfferingQualification' resource object.

```
{
  "id": "11",
  "href": "https://host:port/productOfferingQualification/v5/QueryProductOfferingQualification/11",
  "channel": {
    "id": "1",
    "name": "Web",
    "@type": "ChannelRef"
  },
  "category": {
    "id": "24",
    "name": "International Data plan",
    "href": "https://host:port/productCatalogManagement/v5/category/24",
    "@type": "CategoryRef"
  },
  "description": "Example for a QueryProductOfferingQualification resource",
  "effectiveQualificationDate": "2021-08-31T15:25:54.172Z",
  "expectedQualificationCompletionDate": "2021-08-31T15:25:54.172Z",
  "expirationDate": "2021-09-03T15:25:54.172Z",
  "requestedQualificationCompletionDate": "2021-08-31T15:25:54.172Z",
  "state": "done",
  "creationDate": "2021-08-31T15:25:54.172Z",
  "qualifiedProductOfferingItem": [
    {
      "@type": "QueryProductOfferingQualificationItem",
      "productOffering": {
        "id": "DPI89",
        "name": "European Data Plan - 20 GB",
        "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI89",
        "@type": "ProductOfferingRef"
      },
      "id": "1"
    },
    {
      "@type": "QueryProductOfferingQualificationItem",
      "productOffering": {
        "id": "DPI90",
        "name": "European Data Plan - 50 GB",
        "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI90",
        "@type": "ProductOfferingRef"
      },
      "id": "2"
    },
    {
      "@type": "QueryProductOfferingQualificationItem",
      "productOffering": {
        "id": "DPI91",
        "name": "European Data Plan - 100 GB",
        "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI91",
        "@type": "ProductOfferingRef"
      },
      "id": "3"
    }
  ]
}
```

```
        "id": "DPI91",
        "name": "European Data Plan - 100 GB",
        "href":
"https://host:port/productCatalogManagement/v5/productOffering/DPI91",
        "@type": "ProductOfferingRef"
    },
    "id": "3"
},
{
    "@type": "QueryProductOfferingQualificationItem",
    "productOffering": {
        "id": "DPI123",
        "name": "International Data Plan - 20 GB",
        "href":
"https://host:port/productCatalogManagement/v5/productOffering/DPI123",
        "@type": "ProductOfferingRef"
    },
    "id": "4"
},
{
    "@type": "QueryProductOfferingQualificationItem",
    "productOffering": {
        "id": "DPI124",
        "name": "International Data Plan - 50 GB",
        "href":
"https://host:port/productCatalogManagement/v5/productOffering/DPI124",
        "@type": "ProductOfferingRef"
    },
    "id": "5"
},
{
    "@type": "QueryProductOfferingQualificationItem",
    "productOffering": {
        "id": "DPI125",
        "name": "International Data Plan - 100 GB",
        "href":
"https://host:port/productCatalogManagement/v5/productOffering/DPI125",
        "@type": "ProductOfferingRef"
    },
    "id": "6"
}
],
"relatedParty": [
{
    "role": "requester",
    "partyOrPartyRole": {
        "id": "45hj-999",
        "href": "https://host:port/partyManagement/v5/individual/45hj-999",
        "name": "Louise",
        "@type": "PartyRef",
        "@referredType": "Individual"
    },
    "@type": "RelatedPartyOrPartyRole"
}
],
"@type": "QueryProductOfferingQualification"
}
```

Notification Resource Models

8 notifications are defined for this API.

Notifications related to CheckProductOfferingQualification:

- Create Event
- Delete Event
- Attribute Value Change Event
- State Change Event

Notifications related to QueryProductOfferingQualification:

- Create Event
- Delete Event
- Attribute Value Change Event
- State Change Event

The notification structure for all notifications in this API follow the pattern depicted by the figure below. A notification event resource (depicted by "SpecificEvent" placeholder) is a sub class of a generic Event structure containing at least an id of the event occurrence (eventId), an event timestamp (eventTime), and the name of the resource (eventType). This notification structure owns an event payload structure ("SpecificEventPayload" placeholder) linked to the resource concerned by the notification using the resource name as access field ("resourceName" placeholder).

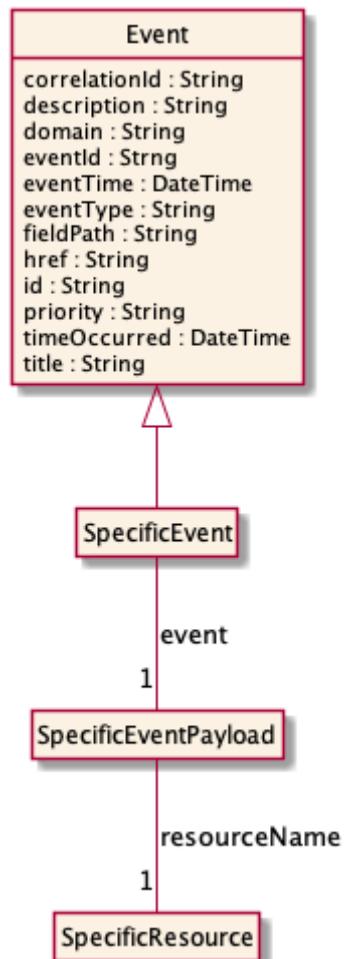


Figure 43 Notification Pattern

CheckProductOfferingQualification

Create Event

Message example for CheckProductOfferingQualificationCreateEvent event

```

Content-Type: application/json

{
  "correlationId": "126-54f",
  "description": "CheckProductOfferingQualificationCreateEvent illustration",
  "domain": "Commercial",
  "eventId": "125",
  "eventTime": "2021-09-27T07:43:59.059Z",
  "eventType": "CheckProductOfferingQualificationCreateEvent",
  "priority": "1",
  "timeOccurred": "2021-09-27T07:43:59.059Z",
  "title": "CheckProductOfferingQualificationCreateEvent",
  "event": {
    "checkProductOfferingQualification": {
      "href": "https://host:port/ProductOfferingQualification/v5/CheckProductOfferingQualification/99",
      "id": "99",
    }
  }
}
  
```

```
"@type": "CheckProductOfferingQualification",
"channel": {
    "id": "1",
    "name": "Web",
    "@type": "ChannelRef"
},
"description": "Example for a CheckProductOfferingQualification resource",
"effectiveQualificationDate": "2021-09-01T14:21:03.352Z",
"expectedQualificationCompletionDate": "2021-09-01T14:21:03.352Z",
"expirationDate": "2021-09-01T14:21:03.352Z",
"note": [
    {
        "@type": "Note",
        "author": "Mr. N. Bene",
        "date": "2020-11-20T08:00:00Z",
        "id": "1",
        "text": "Not for a CheckProductOfferingQualification"
    }
],
"checkProductOfferingQualificationItem": [
    {
        "@type": "CheckProductOfferingQualificationItem",
        "expectedActivationDate": "2021-09-01T14:21:03.352Z",
        "productOffering": {
            "id": "DPI123",
            "name": "International Data Plan - 20 GB",
            "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI123",
            "@type": "ProductOfferingRef"
        },
        "action": "add",
        "id": "1",
        "qualificationItemResult": "green",
        "state": "done"
    },
    {
        "@type": "CheckProductOfferingQualificationItem",
        "expectedActivationDate": "2021-09-01T14:21:03.352Z",
        "eligibilityResultReason": [
            {
                "@type": "EligibilityResultReason",
                "label": "This offering is not anymore available but similar offer exists",
                "code": "TE45A"
            }
        ],
        "productOffering": {
            "id": "DPI123",
            "name": "International Data Plan - 40 GB",
            "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI123",
            "@type": "ProductOfferingRef"
        },
        "alternateProductOfferingProposal": [
            {
                "@type": "AlternateProductOfferingProposal",
                "alternateActivationDate": "2021-09-01T14:21:03.353Z",
                "alternateProductOffering": {
                    "id": "DPI124",
                    "name": "International Data Plan - 50 GB",
                    "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI124",
                    "@type": "ProductOfferingRef"
                }
            }
        ]
    }
]
```

```
        },
        "id": "1"
    }
],
"action": "add",
"id": "2",
"qualificationItemResult": "orange",
"state": "done"
},
{
"@type": "CheckProductOfferingQualificationItem",
"expectedActivationDate": "2021-09-01T14:21:03.352Z",
"eligibilityResultReason": [
{
"@type": "EligibilityResultReason",
"label": "This offering is not anymore open to new customer",
"code": "TE45"
}
],
"productOffering": {
"id": "DPI128",
"name": "France Voice Plan - 3 hours",
"href": "https://host:port/productCatalogManagement/v5/productOffering/DPI128",
"@type": "ProductOfferingRef"
},
"action": "add",
"id": "3",
"qualificationItemResult": "red",
"state": "done"
}
],
"provideAlternative": true,
"provideResultReason": true,
"relatedParty": [
{
"role": "requester",
"partyOrPartyRole": {
"id": "45hj-999",
"href": "https://host:port/partyManagement/v5/individual/45hj-999",
"name": "Louise",
"@type": "PartyRef",
"@referredType": "Individual"
},
"@type": "RelatedPartyOrPartyRole"
}
],
"requestedQualificationCompletionDate": "2021-09-01T14:21:03.354Z",
"state": "done",
"creationDate": "2021-09-01T14:21:03.354Z"
},
"relatedParty": [
{
"role": "Issuer",
"partyOrPartyRole": {
"id": "56d",
"href": "https://host:port/partyManagement/v5/organization/56d",
"@type": "PartyRef",
"@referredType": "Organization"
},
"@type": "RelatedPartyOrPartyRole"
}
]
}
```

1

```
},
"reportingSystem": {
  "id": "123",
  "name": "CRM app",
  "@type": "ReportingResource",
  "@referredType": "LogicalResource"
},
"source": {
  "id": "123",
  "name": "CRM app",
  "@type": "ReportingResource",
  "@referredType": "LogicalResource"
},
"@baseType": "Event",
"@type": "CheckProductOfferingQualificationCreateEvent"
}
```

Delete Event

Message example for CheckProductOfferingQualificationDeleteEvent event

```
Content-Type: application/json

{
  "correlationId": "fg-56h",
  "description": "CheckProductOfferingQualificationDeleteEvent illustration",
  "domain": "Commercial",
  "eventId": "753",
  "eventTime": "2021-09-27T07:43:59.059Z",
  "eventType": "CheckProductOfferingQualificationDeleteEvent",
  "priority": "3",
  "timeOccurred": "2021-09-30T07:43:59.059Z",
  "title": "CheckProductOfferingQualificationDeleteEvent",
  "event": {
    "CheckProductOfferingQualification": {
      "href": "https://host:port/productOfferingQualification/v5/CheckProductOfferingQualification/14",
      "id": "14",
      "@type": "CheckProductOfferingQualification"
    }
  },
  "reportingSystem": {
    "id": "123",
    "name": "CRM app",
    "@type": "ReportingResource",
    "@referredType": "LogicalResource"
  },
  "source": {
    "id": "123",
    "name": "CRM app",
    "@type": "ReportingResource",
    "@referredType": "LogicalResource"
  },
  "@baseType": "Event",
  "@type": "CheckProductOfferingQualificationDeleteEvent"
}
```

Attribute Value Change Event

Message example for CheckProductOfferingQualificationAttributeValueChangeEvent event

```
Content-Type: application/json

{
    "correlationId": "azer-55",
    "description": "CheckProductOfferingQualificationAttributeValueChangeEvent
illustration",
    "domain": "Commercial",
    "eventId": "467",
    "eventTime": "2022-09-14T12:14:28.774Z",
    "eventType": "CheckProductOfferingQualificationAttributeValueChangeEvent",
    "priority": "3",
    "timeOccurred": "2022-09-14T12:14:23.473Z",
    "title": "CheckProductOfferingQualificationAttributeValueChangeEvent",
    "event": {
        "checkProductOfferingQualification": {
            "href": "https://host:port/ProductOfferingQualification/v5/CheckProductOfferingQualification
/99",
            "id": "99",
            "@type": "CheckProductOfferingQualification",
            "note": [
                {
                    "@type": "Note",
                    "author": "Mr. N. Bene",
                    "date": "2020-11-20T08:00:00Z",
                    "id": "1",
                    "text": "Not for a CheckProductOfferingQualification"
                }
            ]
        }
    },
    "reportingSystem": {
        "id": "533",
        "name": "APP-963",
        "@type": "ReportingResource",
        "@referredType": "LogicalResource"
    },
    "source": {
        "id": "200",
        "name": "APP-893",
        "@type": "ReportingResource",
        "@referredType": "LogicalResource"
    },
    "@baseType": "Event",
    "@type": "CheckProductOfferingQualificationAttributeValueChangeEvent"
}
```

State Change Event

Message example for CheckProductOfferingQualificationStateChangeEvent event

```
Content-Type: application/json
```

```
{
```

```

"correlationId": "qsd-ff",
"description": "CheckProductOfferingQualificationStateChangeEvent illustration",
"domain": "Commercial",
"eventId": "698",
"eventTime": "2021-09-27T07:43:59.059Z",
"eventType": "CheckProductOfferingQualificationStateChangeEvent",
"priority": "2",
"timeOccurred": "2021-09-27T07:43:59.059Z",
"title": "CheckProductOfferingQualificationStateChangeEvent",
"event": {
    "checkProductOfferingQualification": {
        "href": "https://host:port/ProductOfferingQualification/v5/CheckProductOfferingQualification/99",
        "id": "99",
        "@type": "CheckProductOfferingQualification",
        "state": "done"
    }
},
"reportingSystem": {
    "id": "123",
    "name": "CRM app",
    "@type": "ReportingResource",
    "@referredType": "LogicalResource"
},
"source": {
    "id": "123",
    "name": "CRM app",
    "@type": "ReportingResource",
    "@referredType": "LogicalResource"
},
"@baseType": "Event",
"@type": "CheckProductOfferingQualificationStateChangeEvent"
}

```

QueryProductOfferingQualification

Create Event

Message example for QueryProductOfferingQualificationCreateEvent event

```

Content-Type: application/json

{
    "correlationId": "dft-652",
    "description": "QueryProductOfferingQualificationCreateEvent illustration",
    "domain": "Commercial",
    "eventId": "256",
    "eventTime": "2021-09-27T07:43:59.059Z",
    "eventType": "QueryProductOfferingQualificationCreateEvent",
    "priority": "1",
    "timeOccurred": "2021-09-27T07:43:59.059Z",
    "title": "QueryProductOfferingQualificationCreateEvent",
    "event": {
        "queryProductOfferingQualification": {
            "href": "https://host:port/ProductOfferingQualification/v5/QueryProductOfferingQualification/11",
            "id": "11",
            "name": "11"
        }
    }
}

```

```
"@type": "QueryProductOfferingQualification",
"channel": {
    "id": "1",
    "name": "Web",
    "@type": "ChannelRef"
},
"category": {
    "id": "24",
    "name": "International Data plan",
    "href": "https://host:port/productCatalogManagement/v5/category/24",
    "@type": "CategoryRef"
},
"description": "Example for a QueryProductOfferingQualification resource",
"qualifiedProductOfferingItem": [
    {
        "@type": "QueryProductOfferingQualificationItem",
        "productOffering": {
            "id": "DPI89",
            "name": "European Data Plan - 20 GB",
            "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI89",
            "@type": "ProductOfferingRef"
        },
        "id": "1"
    },
    {
        "@type": "QueryProductOfferingQualificationItem",
        "productOffering": {
            "id": "DPI90",
            "name": "European Data Plan - 50 GB",
            "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI90",
            "@type": "ProductOfferingRef"
        },
        "id": "2"
    },
    {
        "@type": "QueryProductOfferingQualificationItem",
        "productOffering": {
            "id": "DPI91",
            "name": "European Data Plan - 100 GB",
            "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI91",
            "@type": "ProductOfferingRef"
        },
        "id": "3"
    },
    {
        "@type": "QueryProductOfferingQualificationItem",
        "productOffering": {
            "id": "DPI123",
            "name": "International Data Plan - 20 GB",
            "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI123",
            "@type": "ProductOfferingRef"
        },
        "id": "4"
    },
    {
        "@type": "QueryProductOfferingQualificationItem",
        "productOffering": {
            "id": "DPI124",
            "name": "International Data Plan - 50 GB",
            "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI124"
        }
    }
]
```

```
        "href":  
        "https://host:port/productCatalogManagement/v5/productOffering/DPI124",  
        "@type": "ProductOfferingRef"  
    },  
    "id": "5"  
},  
{  
    "@type": "QueryProductOfferingQualificationItem",  
    "productOffering": {  
        "id": "DPI125",  
        "name": "International Data Plan - 100 GB",  
        "href":  
        "https://host:port/productCatalogManagement/v5/productOffering/DPI125",  
        "@type": "ProductOfferingRef"  
    },  
    "id": "6"  
}  
],  
"relatedParty": [  
    {  
        "role": "requester",  
        "partyOrPartyRole": {  
            "id": "45hj-999",  
            "href": "https://host:port/partyManagement/v5/individual/45hj-999",  
            "name": "Louise",  
            "@type": "PartyRef",  
            "@referredType": "Individual"  
        },  
        "@type": "RelatedPartyOrPartyRole"  
    }  
,  
    {  
        "state": "acknowledged",  
        "creationDate": "2021-08-31T15:25:54.172Z"  
    },  
    "relatedParty": [  
        {  
            "role": "Issuer",  
            "partyOrPartyRole": {  
                "id": "56d",  
                "href": "https://host:port/partyManagement/v5/organization/56d",  
                "@type": "PartyRef",  
                "@referredType": "Organization"  
            },  
            "@type": "RelatedPartyOrPartyRole"  
        }  
    ]  
},  
"reportingSystem": {  
    "id": "123",  
    "name": "CRM app",  
    "@type": "ReportingResource",  
    "@referredType": "LogicalResource"  
},  
"source": {  
    "id": "123",  
    "name": "CRM app",  
    "@type": "ReportingResource",  
    "@referredType": "LogicalResource"  
},  
"@baseType": "Event",  
"@type": "QueryProductOfferingQualificationCreateEvent"  
}
```

Delete Event

Message example for QueryProductOfferingQualificationDeleteEvent event

```
Content-Type: application/json

{
  "correlationId": "fg-56h",
  "description": "QueryProductOfferingQualificationDeleteEvent illustration",
  "domain": "Commercial",
  "eventId": "753",
  "eventTime": "2021-09-27T07:43:59.059Z",
  "eventType": "QueryProductOfferingQualificationDeleteEvent",
  "priority": "3",
  "timeOccurred": "2021-09-30T07:43:59.059Z",
  "title": "QueryProductOfferingQualificationDeleteEvent",
  "event": {
    "queryProductOfferingQualification": {
      "href": "https://host:port/productOfferingQualification/v5/QueryProductOfferingQualification/14",
      "id": "14",
      "@type": "QueryProductOfferingQualification"
    }
  },
  "reportingSystem": {
    "id": "123",
    "name": "CRM app",
    "@type": "ReportingResource",
    "@referredType": "LogicalResource"
  },
  "source": {
    "id": "123",
    "name": "CRM app",
    "@type": "ReportingResource",
    "@referredType": "LogicalResource"
  },
  "@baseType": "Event",
  "@type": "QueryProductOfferingQualificationDeleteEvent"
}
```

Attribute Value Change Event

Message example for QueryProductOfferingQualificationAttributeValueChangeEvent event

```
Content-Type: application/json

{
  "correlationId": "azer-55",
  "description": "QueryProductOfferingQualificationAttributeValueChangeEvent illustration",
  "domain": "Commercial",
  "eventId": "467",
  "eventTime": "2022-09-14T12:14:28.774Z",
  "eventType": "ProductAttributeValueChangeEvent",
  "priority": "3",
  "timeOccurred": "2022-09-14T12:14:23.473Z",
  "title": "QueryProductOfferingQualificationAttributeValueChangeEvent",
```

```

"event": {
    "queryProductOfferingQualification": {
        "href": "https://host:port/productOfferingQualification/v5/QueryProductOfferingQualification/14",
        "id": "14",
        "@type": "QueryProductOfferingQualification",
        "requestedQualificationCompletionDate": "2021-09-06T15:51:12.570Z"
    }
},
"reportingSystem": {
    "id": "533",
    "name": "APP-963",
    "@type": "ReportingResource",
    "@referredType": "LogicalResource"
},
"source": {
    "id": "200",
    "name": "APP-893",
    "@type": "ReportingResource",
    "@referredType": "LogicalResource"
},
"@baseType": "Event",
"@type": "QueryProductOfferingQualificationAttributeValueChangeEvent"
}

```

State Change Event

Message example for QueryProductOfferingQualificationStateChangeEvent event

```

Content-Type: application/json

{
    "correlationId": "qsd-ff",
    "description": "QueryProductOfferingQualificationStateChangeEvent illustration",
    "domain": "Commercial",
    "eventId": "698",
    "eventTime": "2021-09-27T07:43:59.059Z",
    "eventType": "QueryProductOfferingQualificationStateChangeEvent",
    "priority": "2",
    "timeOccurred": "2021-09-27T07:43:59.059Z",
    "title": "QueryProductOfferingQualificationStateChangeEvent",
    "event": {
        "queryProductOfferingQualification": {
            "href": "https://host:port/productOfferingQualification/v5/QueryProductOfferingQualification/11",
            "id": "11",
            "@type": "QueryProductOfferingQualification",
            "state": "done"
        }
    },
    "reportingSystem": {
        "id": "123",
        "name": "CRM app",
        "@type": "ReportingResource",
        "@referredType": "LogicalResource"
    },
    "source": {
        "id": "123",

```

```
    "name": "CRM app",
    "@type": "ReportingResource",
    "@referredType": "LogicalResource"
},
"@baseType": "Event",
"@type": "QueryProductOfferingQualificationStateChangeEvent"
}
```

API OPERATIONS

Remember the following Uniform Contract:

Operation on Entities	Uniform API Operation	Description
Query Entities	GET Resource	GET must be used to retrieve a representation of a resource.
Create Entity	POST Resource	POST must be used to create a new resource
Partial Update of an Entity	PATCH Resource	PATCH must be used to partially update a resource
Remove an Entity	DELETE Resource	DELETE must be used to remove a resource
Execute an Action on an Entity	POST on TASK Resource	POST must be used to execute Task Resources
Other Request Methods	POST on TASK Resource	GET and POST must not be used to tunnel other request methods.

Filtering and attribute selection rules are described in the TMF REST Design Guidelines.

Notifications are also described in a subsequent section.

Operations on CheckProductOfferingQualification

List or find CheckProductOfferingQualification objects

`GET /checkProductOfferingQualification?fields=...`

Description

This operation list CheckProductOfferingQualification entities. Attribute selection is enabled for all first level attributes. Filtering may be available depending on the compliance level supported by an implementation.

Usage samples

Retrieve a list of CheckProductOfferingQualification(s)

Request

```
GET /checkProductOfferingQualification
Content-Type: application/json
```

Response

```
200
```

```
[  
  {  
    "href":  
      "https://host:port/productOfferingQualification/v5/CheckProductOfferingQualification  
      /99",  
    "id": "99",  
    "@type": "CheckProductOfferingQualification",  
    "channel": {  
      "id": "1",  
      "name": "Web",  
      "@type": "ChannelRef"  
    },  
    "description": "Example for a CheckProductOfferingQualification resource",  
    "effectiveQualificationDate": "2021-09-01T14:21:03.352Z",  
    "expectedQualificationCompletionDate": "2021-09-01T14:21:03.352Z",  
    "expirationDate": "2021-09-01T14:21:03.352Z",  
    "note": [  
      {  
        "@type": "Note",  
        "author": "Mr. N. Bene",  
        "date": "2020-11-20T08:00:00Z",  
        "id": "1",  
        "text": "Not for a CheckProductOfferingQualification"  
      }  
    ],  
    "checkProductOfferingQualificationItem": [  
      {  
        "@type": "CheckProductOfferingQualificationItem",  
        "expectedActivationDate": "2021-09-01T14:21:03.352Z",  
        "productOffering": {  
          "id": "DPI123",  
          "name": "International Data Plan - 20 GB",  
          "href":  
            "https://host:port/productCatalogManagement/v5/productOffering/DPI123",  
            "@type": "ProductOfferingRef"  
          },  
          "action": "add",  
          "id": "1",  
          "qualificationItemResult": "green",  
          "state": "done"  
        },  
        {  
          "@type": "CheckProductOfferingQualificationItem",  
          "expectedActivationDate": "2021-09-01T14:21:03.352Z",  
          "eligibilityResultReason": [  
            {  
              "@type": "EligibilityResultReason",  
              "label": "This offering is not anymore available but similar offer  
exists",  
              "code": "TE45A"  
            }  
          ],  
          "productOffering": {  
            "id": "DPI123",  
            "name": "International Data Plan - 40 GB",  
            "href":  
              "https://host:port/productCatalogManagement/v5/productOffering/DPI123",  
              "@type": "ProductOfferingRef"  
            },  
            "alternateProductOfferingProposal": [  
              {  
                "@type": "AlternateProductOfferingProposal",  
                "alternateActivationDate": "2021-09-01T14:21:03.353Z",  
              }  
            ]  
          }  
        }  
      ]  
    ]  
  }  
]
```

```
        "alternateProductOffering": {
            "id": "DPI124",
            "name": "International Data Plan - 50 GB",
            "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI124",
            "@type": "ProductOfferingRef"
        },
        "id": "1"
    }
],
"action": "add",
"id": "2",
"qualificationItemResult": "orange",
"state": "done"
},
{
    "@type": "CheckProductOfferingQualificationItem",
    "expectedActivationDate": "2021-09-01T14:21:03.352Z",
    "eligibilityResultReason": [
        {
            "@type": "EligibilityResultReason",
            "label": "This offering is not anymore open to new customer",
            "code": "TE45"
        }
    ],
    "productOffering": {
        "id": "DPI128",
        "name": "France Voice Plan - 3 hours",
        "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI128",
        "@type": "ProductOfferingRef"
    },
    "action": "add",
    "id": "3",
    "qualificationItemResult": "red",
    "state": "done"
}
],
"provideAlternative": true,
"provideResultReason": true,
"relatedParty": [
{
    "role": "requester",
    "partyOrPartyRole": {
        "id": "45hj-999",
        "href": "https://host:port/partyManagement/v5/individual/45hj-999",
        "name": "Louise",
        "@type": "PartyRef",
        "@referredType": "Individual"
    },
    "@type": "RelatedPartyOrPartyRole"
}
],
"requestedQualificationCompletionDate": "2021-09-01T14:21:03.354Z",
"state": "done",
"creationDate": "2021-09-01T14:21:03.354Z"
},
{
    "href": "https://host:port/productOfferingQualification/v5/CheckProductOfferingQualification/101",
    "id": "101",
    "@type": "CheckProductOfferingQualification"
}
```

```
"channel": {
    "id": "1",
    "name": "Web",
    "@type": "ChannelRef"
},
"description": "Example for an acknowledged CheckProductOfferingQualification resource",
"expectedQualificationCompletionDate": "2021-09-05T07:11:53.167Z",
"CheckProductOfferingQualificationItem": [
    {
        "@type": "CheckProductOfferingQualificationItem",
        "expectedActivationDate": "2021-09-02T07:11:53.167Z",
        "product": {
            "@type": "Product",
            "productSpecification": {
                "id": "77",
                "href": "https://host:port/productCatalogManagement/v5/productSpecification/77",
                "name": "NEST for enhanced MobileBroadband with IMS support"
            },
            "productCharacteristic": [
                {
                    "@type": "ObjectCharacteristic",
                    "id": "Slice5G_Characteristic",
                    "name": "Slice 5G POQ configuration",
                    "valueType": "Slice5G JSON descriptor",
                    "value": {
                        "@valueSchemaLocation": "https://github.com/..5GPOQ.json",
                        "@type": "5GSliceJsonSpecification",
                        "availability": 99.999,
                        "MMTel_Support": 1,
                        "Session_Service_Continuity_support": 1,
                        "Slice_Quality_Of_Service": [
                            1,
                            2,
                            5,
                            6,
                            7,
                            8,
                            9
                        ]
                    }
                }
            ],
            "place": [
                {
                    "role": "Coverage",
                    "place": {
                        "id": "FRA",
                        "href": "https://host:port/geographicLocationManagement/v5/geographicLocation/FRA",
                        "name": "France",
                        "@referredType": "GeographicLocation",
                        "@type": "PlaceRef"
                    },
                    "@type": "RelatedPlaceRefOrValue"
                }
            ]
        },
        "action": "add",
        "id": "1",
        "state": "acknowledged"
    }
]
```

```
        ],
        "provideAlternative": true,
        "provideResultReason": true,
        "relatedParty": [
            {
                "role": "requester",
                "partyOrPartyRole": {
                    "id": "45hj-999",
                    "href": "https://host:port/partyManagement/v5/individual/45hj-999",
                    "name": "Louise",
                    "@type": "PartyRef",
                    "@referredType": "Individual"
                },
                "@type": "RelatedPartyOrPartyRole"
            }
        ],
        "requestedQualificationCompletionDate": "2021-09-02T07:11:53.168Z",
        "state": "acknowledged",
        "creationDate": "2021-09-02T07:11:53.168Z"
    }
]
```

Retrieve a list of CheckProductOfferingQualification(s) with filter selection

Request

```
GET
/checkProductOfferingQualification?state=done&fields=@type,id,href,expirationDate,qualificationResult,state
Content-Type: application/json
```

Response

```
200
[
    {
        "id": "9",
        "href": "https://host:port/productOfferingQualification/v5/CheckProductOfferingQualification/9",
        "state": "done",
        "expirationDate": "2021-09-03T11:33:54.172Z",
        "qualificationResult": "green",
        "@type": "CheckProductOfferingQualification"
    },
    {
        "id": "19",
        "href": "https://host:port/productOfferingQualification/v5/CheckProductOfferingQualification/19",
        "state": "done",
        "expirationDate": "2021-09-03T14:25:54.172Z",
        "qualificationResult": "red",
        "@type": "CheckProductOfferingQualification"
    }
]
```

```
        "id": "31",
        "href":
"https://host:port/productOfferingQualification/v5/CheckProductOfferingQualification
/31",
        "state": "done",
        "expirationDate": "2021-09-02T15:25:54.172Z",
        "qualificationResult": "green",
        "@type": "CheckProductOfferingQualification"
},
{
    "id": "547",
    "href":
"https://host:port/productOfferingQualification/v5/CheckProductOfferingQualification
/547",
    "state": "done",
    "expirationDate": "2021-09-03T15:25:54.172Z",
    "qualificationResult": "green",
    "@type": "CheckProductOfferingQualification"
}
]
```

Retrieves a CheckProductOfferingQualification by ID

GET /checkProductOfferingQualification/{id}?fields=...

Description

This operation retrieves a CheckProductOfferingQualification entity. Attribute selection is enabled for all first level attributes. Filtering may be available depending on the compliance level supported by an implementation.

Usage samples

Retrieve a CheckProductOfferingQualification from its identifier

Request

```
GET /checkProductOfferingQualification/99
Content-Type: application/json
```

Response

```
200

{
    "href":
"https://host:port/productOfferingQualification/v5/CheckProductOfferingQualification
/99",
    "id": "99",
    "@type": "CheckProductOfferingQualification",
    "channel": {
        "id": "1",
        "name": "Web",
        "@type": "ChannelRef"
    },
}
```

```

"description": "Example for a CheckProductOfferingQualification resource",
"effectiveQualificationDate": "2021-09-01T14:21:03.352Z",
"expectedQualificationCompletionDate": "2021-09-01T14:21:03.352Z",
"expirationDate": "2021-09-01T14:21:03.352Z",
"note": [
  {
    "@type": "Note",
    "author": "Mr. N. Bene",
    "date": "2020-11-20T08:00:00Z",
    "id": "1",
    "text": "Not for a CheckProductOfferingQualification"
  }
],
"checkProductOfferingQualificationItem": [
  {
    "@type": "CheckProductOfferingQualificationItem",
    "expectedActivationDate": "2021-09-01T14:21:03.352Z",
    "productOffering": {
      "id": "DPI123",
      "name": "International Data Plan - 20 GB",
      "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI123",
      "@type": "ProductOfferingRef"
    },
    "action": "add",
    "id": "1",
    "qualificationItemResult": "green",
    "state": "done"
  },
  {
    "@type": "CheckProductOfferingQualificationItem",
    "expectedActivationDate": "2021-09-01T14:21:03.352Z",
    "eligibilityResultReason": [
      {
        "@type": "EligibilityResultReason",
        "label": "This offering is not anymore available but similar offer exists",
        "code": "TE45A"
      }
    ],
    "productOffering": {
      "id": "DPI123",
      "name": "International Data Plan - 40 GB",
      "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI123",
      "@type": "ProductOfferingRef"
    },
    "alternateProductOfferingProposal": [
      {
        "@type": "AlternateProductOfferingProposal",
        "alternateActivationDate": "2021-09-01T14:21:03.353Z",
        "alternateProductOffering": {
          "id": "DPI124",
          "name": "International Data Plan - 50 GB",
          "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI124",
          "@type": "ProductOfferingRef"
        },
        "id": "1"
      }
    ],
    "action": "add",
    "id": "2"
  }
]

```

```

    "qualificationItemResult": "orange",
    "state": "done"
},
{
  "@type": "CheckProductOfferingQualificationItem",
  "expectedActivationDate": "2021-09-01T14:21:03.352Z",
  "eligibilityResultReason": [
    {
      "@type": "EligibilityResultReason",
      "label": "This offering is not anymore open to new customer",
      "code": "TE45"
    }
  ],
  "productOffering": {
    "id": "DPI128",
    "name": "France Voice Plan - 3 hours",
    "href":
    "https://host:port/productCatalogManagement/v5/productOffering/DPI128",
    "@type": "ProductOfferingRef"
  },
  "action": "add",
  "id": "3",
  "qualificationItemResult": "red",
  "state": "done"
},
],
"provideAlternative": true,
"provideResultReason": true,
"relatedParty": [
  {
    "role": "requester",
    "partyOrPartyRole": {
      "id": "45hj-999",
      "href": "https://host:port/partyManagement/v5/individual/45hj-999",
      "name": "Louise",
      "@type": "PartyRef",
      "@referredType": "Individual"
    },
    "@type": "RelatedPartyOrPartyRole"
  }
],
"requestedQualificationCompletionDate": "2021-09-01T14:21:03.354Z",
"state": "done",
"creationDate": "2021-09-01T14:21:03.354Z"
}

```

Retrieve a CheckProductOfferingQualification from its identifier

Request

```

GET /checkProductOfferingQualification/101
Content-Type: application/json

```

Response

```
200
```

```
{  
    "href":  
        "https://host:port/productOfferingQualification/v5/CheckProductOfferingQualification  
        /101",  
    "id": "101",  
    "@type": "CheckProductOfferingQualification",  
    "channel": {  
        "id": "1",  
        "name": "Web",  
        "@type": "ChannelRef"  
    },  
    "description": "Example for an acknowledged CheckProductOfferingQualification  
resource",  
    "expectedQualificationCompletionDate": "2021-09-05T07:11:53.167Z",  
    "CheckProductOfferingQualificationItem": [  
        {  
            "@type": "CheckProductOfferingQualificationItem",  
            "expectedActivationDate": "2021-09-02T07:11:53.167Z",  
            "product": {  
                "@type": "Product",  
                "productSpecification": {  
                    "id": "77",  
                    "href":  
                        "https://host:port/productCatalogManagement/v5/productSpecification/77",  
                        "name": "NEST for enhanced MobileBroadband with IMS support"  
                },  
                "productCharacteristic": [  
                    {  
                        "@type": "ObjectCharacteristic",  
                        "id": "Slice5G_Characteristic",  
                        "name": "Slice 5G POQ configuration",  
                        "valueType": "Slice5G JSON descriptor",  
                        "value": {  
                            "@valueSchemaLocation": "https://github.com/..5GPOQ.json",  
                            "@type": "5GSliceJsonSpecification",  
                            "availability": 99.999,  
                            "MMTel_Support": 1,  
                            "Session_Service_Continuity_support": 1,  
                            "Slice_Quality_Of_Service": [  
                                1,  
                                2,  
                                5,  
                                6,  
                                7,  
                                8,  
                                9  
                            ]  
                        }  
                    }  
                ]  
            }  
        ],  
        "place": [  
            {  
                "role": "Coverage",  
                "place": {  
                    "id": "BEL",  
                    "href":  
                        "https://host:port/geographicLocationManagement/v5/geographicLocation/BEL",  
                        "name": "Belgium",  
                        "@referredType": "GeographicLocation",  
                        "@type": "PlaceRef"  
                },  
                "@type": "RelatedPlaceRefOrValue"  
            }  
        ]  
    ]  
}
```

```

        ],
      },
      "action": "add",
      "id": "1",
      "state": "acknowledged"
    }
  ],
  "provideAlternative": true,
  "provideResultReason": true,
  "relatedParty": [
    {
      "role": "requester",
      "partyOrPartyRole": {
        "id": "45hj-999",
        "href": "https://host:port/partyManagement/v5/individual/45hj-999",
        "name": "Louise",
        "@type": "PartyRef",
        "@referredType": "Individual"
      },
      "@type": "RelatedPartyOrPartyRole"
    }
  ],
  "requestedQualificationCompletionDate": "2021-09-02T07:11:53.168Z",
  "state": "acknowledged",
  "creationDate": "2021-09-02T07:11:53.168Z"
}

```

Creates a CheckProductOfferingQualification

POST /checkProductOfferingQualification?fields=...

Description

This operation creates a CheckProductOfferingQualification entity.

Mandatory Attributes

Mandatory Attributes	Rule
----------------------	------

Usage samples

Creation of a new CheckProductOfferingQualification with POST operation

Request

```

POST /checkProductOfferingQualification
Content-Type: application/json

{
  "@type": "CheckProductOfferingQualification",
  "channel": {
    "id": "1",
    "name": "Web",
    "@type": "ChannelRef"
  },
  "description": "Example for a CheckProductOfferingQualification resource",
  "note": [

```

```
{  
    "@type": "Note",  
    "author": "Mr. N. Bene",  
    "date": "2020-11-20T08:00:00Z",  
    "id": "1",  
    "text": "Not for a CheckProductOfferingQualification"  
}  
,  
"checkProductOfferingQualificationItem": [  
    {  
        "@type": "CheckProductOfferingQualificationItem",  
        "expectedActivationDate": "2021-09-01T14:21:03.352Z",  
        "productOffering": {  
            "id": "DPI123",  
            "name": "International Data Plan - 20 GB",  
            "@type": "ProductOfferingRef"  
        },  
        "action": "add",  
        "id": "1"  
    },  
    {  
        "@type": "CheckProductOfferingQualificationItem",  
        "expectedActivationDate": "2021-09-01T14:21:03.352Z",  
        "productOffering": {  
            "id": "DPI123",  
            "name": "International Data Plan - 40 GB",  
            "@type": "ProductOfferingRef"  
        },  
        "action": "add",  
        "id": "2"  
    },  
    {  
        "@type": "CheckProductOfferingQualificationItem",  
        "expectedActivationDate": "2021-09-01T14:21:03.352Z",  
        "productOffering": {  
            "id": "DPI128",  
            "name": "France Voice Plan - 3 hours",  
            "@type": "ProductOfferingRef"  
        },  
        "action": "add",  
        "id": "3"  
    }  
,  
    "provideAlternative": true,  
    "provideResultReason": true,  
    "relatedParty": [  
        {  
            "role": "requester",  
            "partyOrPartyRole": {  
                "id": "45hj-999",  
                "href": "https://host:port/partyManagement/v5/individual/45hj-999",  
                "name": "Louise",  
                "@type": "PartyRef",  
                "@referredType": "Individual"  
            },  
            "@type": "RelatedPartyOrPartyRole"  
        }  
,  
        "requestedQualificationCompletionDate": "2021-09-01T14:21:03.354Z"  
    }  
}
```

Response

```
200

{
  "href": "https://host:port/ProductOfferingQualification/v5/CheckProductOfferingQualification/99",
  "id": "99",
  "@type": "CheckProductOfferingQualification",
  "channel": {
    "id": "1",
    "name": "Web",
    "@type": "ChannelRef"
  },
  "description": "Example for a CheckProductOfferingQualification resource",
  "effectiveQualificationDate": "2021-09-01T14:21:03.352Z",
  "expectedQualificationCompletionDate": "2021-09-01T14:21:03.352Z",
  "expirationDate": "2021-09-01T14:21:03.352Z",
  "note": [
    {
      "@type": "Note",
      "author": "Mr. N. Bene",
      "date": "2020-11-20T08:00:00Z",
      "id": "1",
      "text": "Not for a CheckProductOfferingQualification"
    }
  ],
  "checkProductOfferingQualificationItem": [
    {
      "@type": "CheckProductOfferingQualificationItem",
      "expectedActivationDate": "2021-09-01T14:21:03.352Z",
      "productOffering": {
        "id": "DPI123",
        "name": "International Data Plan - 20 GB",
        "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI123",
        "@type": "ProductOfferingRef"
      },
      "action": "add",
      "id": "1",
      "qualificationItemResult": "green",
      "state": "done"
    },
    {
      "@type": "CheckProductOfferingQualificationItem",
      "expectedActivationDate": "2021-09-01T14:21:03.352Z",
      "eligibilityResultReason": [
        {
          "@type": "EligibilityResultReason",
          "label": "This offering is not anymore available but similar offer exists",
          "code": "TE45A"
        }
      ],
      "productOffering": {
        "id": "DPI123",
        "name": "International Data Plan - 40 GB",
        "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI123",
        "@type": "ProductOfferingRef"
      }
    }
  ]
}
```

```
        },
        "alternateProductOfferingProposal": [
            {
                "@type": "AlternateProductOfferingProposal",
                "alternateActivationDate": "2021-09-01T14:21:03.353Z",
                "alternateProductOffering": {
                    "id": "DPI124",
                    "name": "International Data Plan - 50 GB",
                    "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI124",
                    "@type": "ProductOfferingRef"
                },
                "id": "1"
            }
        ],
        "action": "add",
        "id": "2",
        "qualificationItemResult": "orange",
        "state": "done"
    },
    {
        "@type": "CheckProductOfferingQualificationItem",
        "expectedActivationDate": "2021-09-01T14:21:03.352Z",
        "eligibilityResultReason": [
            {
                "@type": "EligibilityResultReason",
                "label": "This offering is not anymore open to new customer",
                "code": "TE45"
            }
        ],
        "productOffering": {
            "id": "DPI128",
            "name": "France Voice Plan - 3 hours",
            "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI128",
            "@type": "ProductOfferingRef"
        },
        "action": "add",
        "id": "3",
        "qualificationItemResult": "red",
        "state": "done"
    }
],
"provideAlternative": true,
"provideResultReason": true,
"relatedParty": [
    {
        "role": "requester",
        "partyOrPartyRole": {
            "id": "45hj-999",
            "href": "https://host:port/partyManagement/v5/individual/45hj-999",
            "name": "Louise",
            "@type": "PartyRef",
            "@referredType": "Individual"
        },
        "@type": "RelatedPartyOrPartyRole"
    }
],
"requestedQualificationCompletionDate": "2021-09-01T14:21:03.354Z",
"state": "done",
"creationDate": "2021-09-01T14:21:03.354Z"
}
```

Updates partially a CheckProductOfferingQualification

PATCH /checkProductOfferingQualification/{id}?fields=...

Description

This operation allows partial updates of a CheckProductOfferingQualification entity. Support of json/merge (<https://tools.ietf.org/html/rfc7386>) is mandatory, support of json/patch (<http://tools.ietf.org/html/rfc5789>) is optional. Note: If the update operation yields to the creation of sub-resources or relationships, the same rules concerning mandatory sub-resource attributes and default value settings in the POST operation applies to the PATCH operation. Hence these tables are not repeated here.

Patchable and Non Patchable Attributes

Non Patchable Attributes	Rule
creationDate	
href	
id	
Patchable Attributes	Rule
channel	
checkProductOfferingQualificationItem	
description	
effectiveQualificationDate	
expectedQualificationCompletionDate	
expirationDate	
instantSyncQualification	
note	
provideAlternative	
provideOnlyAvailable	
provideResultReason	
qualificationResult	
relatedParty	
requestedQualificationCompletionDate	
state	

Usage samples

Here's an example of a request for updating a CPOQ resource - set status to acknowledged.

This example illustrates patch using application/json.

Request

```
PATCH /checkProductOfferingQualification/101
Content-Type: application/json

{
    "@type": "CheckProductOfferingQualification",
    "status": "acknowledged"
}
```

Response

```
200

{
    "href": "https://host:port/productOfferingQualification/v5/CheckProductOfferingQualification/101",
    "id": "101",
    "@type": "CheckProductOfferingQualification",
    "channel": {
        "id": "1",
        "name": "Web",
        "@type": "ChannelRef"
    },
    "description": "Example for an acknowledged CheckProductOfferingQualification resource",
    "expectedQualificationCompletionDate": "2021-09-05T07:11:53.167Z",
    "CheckProductOfferingQualificationItem": [
        {
            "@type": "CheckProductOfferingQualificationItem",
            "expectedActivationDate": "2021-09-02T07:11:53.167Z",
            "product": {
                "@type": "Product",
                "productSpecification": {
                    "id": "77",
                    "href": "https://host:port/productCatalogManagement/v5/productSpecification/77",
                    "name": "NEST for enhanced MobileBroadband with IMS support"
                },
                "productCharacteristic": [
                    {
                        "@type": "ObjectCharacteristic",
                        "id": "Slice5G_Characteristic",
                        "name": "Slice 5G POQ configuration",
                        "valueType": "Slice5G JSON descriptor",
                        "value": {
                            "@valueSchemaLocation": "https://github.com/..5GPOQ.json",
                            "@type": "5GSliceJsonSpecification",
                            "availability": 99.999,
                            "MMTel_Support": 1,
                            "Session_Service_Continuity_support": 1,
                            "Slice_Quality_Of_Service": [
                                1,
                                2,
                                5,
                                6,
                            ]
                        }
                    }
                ]
            }
        }
    ]
}
```

```

        7,
        8,
        9
    ]
}
]
],
"place": [
{
    "role": "Coverage",
    "place": {
        "id": "FRA",
        "href": "https://host:port/geographicLocationManagement/v5/geographicLocation/FRA",
        "name": "France",
        "@referredType": "GeographicLocation",
        "@type": "PlaceRef"
    },
    "@type": "RelatedPlaceRefOrValue"
},
{
    "role": "Coverage",
    "place": {
        "id": "BEL",
        "href": "https://host:port/geographicLocationManagement/v5/geographicLocation/BEL",
        "name": "Belgium",
        "@referredType": "GeographicLocation",
        "@type": "PlaceRef"
    },
    "@type": "RelatedPlaceRefOrValue"
}
]
},
"action": "add",
"id": "1",
"state": "acknowledged"
}
],
"provideAlternative": true,
"provideResultReason": true,
"relatedParty": [
{
    "role": "requester",
    "partyOrPartyRole": {
        "id": "45hj-999",
        "href": "https://host:port/partyManagement/v5/individual/45hj-999",
        "name": "Louise",
        "@type": "PartyRef",
        "@referredType": "Individual"
    },
    "@type": "RelatedPartyOrPartyRole"
}
],
"requestedQualificationCompletionDate": "2021-09-02T07:11:53.168Z",
"state": "acknowledged",
"creationDate": "2021-09-02T07:11:53.168Z"
}

```

Here's an example of a request for updating a CheckProductOfferingQualification resource - set status to acknowledged. This example illustrates patch using application/merge-

patch+json.

Request

```
PATCH /checkProductOfferingQualification/101
Content-Type: application/merge-patch+json

{
    "@type": "CheckProductOfferingQualification",
    "status": "acknowledged"
}
```

Response

```
200

{
    "href": "https://host:port/productOfferingQualification/v5/CheckProductOfferingQualification/101",
    "id": "101",
    "@type": "CheckProductOfferingQualification",
    "channel": {
        "id": "1",
        "name": "Web",
        "@type": "ChannelRef"
    },
    "description": "Example for an acknowledged CheckProductOfferingQualification resource",
    "expectedQualificationCompletionDate": "2021-09-05T07:11:53.167Z",
    "CheckProductOfferingQualificationItem": [
        {
            "@type": "CheckProductOfferingQualificationItem",
            "expectedActivationDate": "2021-09-02T07:11:53.167Z",
            "product": {
                "@type": "Product",
                "productSpecification": {
                    "id": "77",
                    "href": "https://host:port/productCatalogManagement/v5/productSpecification/77",
                    "name": "NEST for enhanced MobileBroadband with IMS support"
                },
                "productCharacteristic": [
                    {
                        "@type": "ObjectCharacteristic",
                        "id": "Slice5G_Characteristic",
                        "name": "Slice 5G POQ configuration",
                        "valueType": "Slice5G JSON descriptor",
                        "value": {
                            "@valueSchemaLocation": "https://github.com/..5GPOQ.json",
                            "@type": "5GSliceJsonSpecification",
                            "availability": 99.999,
                            "MMTel_Support": 1,
                            "Session_Service_Continuity_support": 1,
                            "Slice_Quality_Of_Service": [
                                1,
                                2,
                                5,
                                6,
                            ]
                        }
                    }
                ]
            }
        }
    ]
}
```

```

        7,
        8,
        9
    ]
}
]
],
"place": [
{
    "role": "Coverage",
    "place": {
        "id": "FRA",
        "href": "https://host:port/geographicLocationManagement/v5/geographicLocation/FRA",
        "name": "France",
        "@referredType": "GeographicLocation",
        "@type": "PlaceRef"
    },
    "@type": "RelatedPlaceRefOrValue"
},
{
    "role": "Coverage",
    "place": {
        "id": "BEL",
        "href": "https://host:port/geographicLocationManagement/v5/geographicLocation/BEL",
        "name": "Belgium",
        "@referredType": "GeographicLocation",
        "@type": "PlaceRef"
    },
    "@type": "RelatedPlaceRefOrValue"
}
]
},
"action": "add",
"id": "1",
"state": "acknowledged"
}
],
"provideAlternative": true,
"provideResultReason": true,
"relatedParty": [
{
    "role": "requester",
    "partyOrPartyRole": {
        "id": "45hj-999",
        "href": "https://host:port/partyManagement/v5/individual/45hj-999",
        "name": "Louise",
        "@type": "PartyRef",
        "@referredType": "Individual"
    },
    "@type": "RelatedPartyOrPartyRole"
}
],
"requestedQualificationCompletionDate": "2021-09-02T07:11:53.168Z",
"state": "acknowledged",
"creationDate": "2021-09-02T07:11:53.168Z"
}

```

Here's an example of a request for updating a CheckProductOfferingQualification resource - set status to acknowledged. This example illustrates patch using application/json-

patch+json.

Request

```
PATCH /checkProductOfferingQualification/101
Content-Type: application/json-patch+json

[{"op": "replace", "path": "/status", "value": "acknowledged"}]
```

Response

```
200

{
  "href": "https://host:port/productOfferingQualification/v5/CheckProductOfferingQualification/101",
  "id": "101",
  "@type": "CheckProductOfferingQualification",
  "channel": {
    "id": "1",
    "name": "Web",
    "@type": "ChannelRef"
  },
  "description": "Example for an acknowledged CheckProductOfferingQualification resource",
  "expectedQualificationCompletionDate": "2021-09-05T07:11:53.167Z",
  "CheckProductOfferingQualificationItem": [
    {
      "@type": "CheckProductOfferingQualificationItem",
      "expectedActivationDate": "2021-09-02T07:11:53.167Z",
      "product": {
        "@type": "Product",
        "productSpecification": {
          "id": "77",
          "href": "https://host:port/productCatalogManagement/v5/productSpecification/77",
          "name": "NEST for enhanced MobileBroadband with IMS support"
        },
        "productCharacteristic": [
          {
            "@type": "ObjectCharacteristic",
            "id": "Slice5G_Characteristic",
            "name": "Slice 5G POQ configuration",
            "valueType": "Slice5G JSON descriptor",
            "value": {
              "@valueSchemaLocation": "https://github.com/..5GPOQ.json",
              "@type": "5GSliceJsonSpecification",
              "availability": 99.999,
              "MMTel_Support": 1,
              "Session_Service_Continuity_support": 1,
              "Slice_Quality_Of_Service": [
                1
              ]
            }
          }
        ]
      }
    }
  ]
}
```

```
        2,
        5,
        6,
        7,
        8,
        9
    ]
}
]
],
"place": [
{
    "role": "Coverage",
    "place": {
        "id": "FRA",
        "href": "https://host:port/geographicLocationManagement/v5/geographicLocation/FRA",
        "name": "France",
        "@referredType": "GeographicLocation",
        "@type": "PlaceRef"
    },
    "@type": "RelatedPlaceRefOrValue"
},
{
    "role": "Coverage",
    "place": {
        "id": "BEL",
        "href": "https://host:port/geographicLocationManagement/v5/geographicLocation/BEL",
        "name": "Belgium",
        "@referredType": "GeographicLocation",
        "@type": "PlaceRef"
    },
    "@type": "RelatedPlaceRefOrValue"
}
]
},
"action": "add",
"id": "1",
"state": "acknowledged"
}
],
"provideAlternative": true,
"provideResultReason": true,
"relatedParty": [
{
    "role": "requester",
    "partyOrPartyRole": {
        "id": "45hj-999",
        "href": "https://host:port/partyManagement/v5/individual/45hj-999",
        "name": "Louise",
        "@type": "PartyRef",
        "@referredType": "Individual"
    },
    "@type": "RelatedPartyOrPartyRole"
}
],
"requestedQualificationCompletionDate": "2021-09-02T07:11:53.168Z",
"state": "acknowledged",
"creationDate": "2021-09-02T07:11:53.168Z"
}
```

Here's an example of a request for updating a CheckProductOfferingQualification resource - adding a place in the first CheckProductOfferingQualificationItem. This example illustrates patch using application/json-patch-query+json.

Request

```
PATCH /checkProductOfferingQualification/101
Content-Type: application/json-patch-query+json

[
  {
    "op": "add",
    "path":
      "/CheckProductOfferingQualificationItem/product/place?CheckProductOfferingQualificationItem.id=1",
    "value": {
      "role": "Coverage",
      "place": {
        "id": "BEL",
        "href":
          "https://host:port/geographicLocationManagement/v5/geographicLocation/BEL",
        "name": "Belgium",
        "@referredType": "GeographicLocation",
        "@type": "PlaceRef"
      },
      "@type": "RelatedPlaceRefOrValue"
    }
  }
]
```

Response

```
200

{
  "href":
    "https://host:port/productOfferingQualification/v5/CheckProductOfferingQualification/101",
  "id": "101",
  "@type": "CheckProductOfferingQualification",
  "channel": {
    "id": "1",
    "name": "Web",
    "@type": "ChannelRef"
  },
  "description": "Example for an acknowledged CheckProductOfferingQualification resource",
  "expectedQualificationCompletionDate": "2021-09-05T07:11:53.167Z",
  "CheckProductOfferingQualificationItem": [
    {
      "@type": "CheckProductOfferingQualificationItem",
      "expectedActivationDate": "2021-09-02T07:11:53.167Z",
      "product": {
        "@type": "Product",
        "productSpecification": {
          "id": "77",
          "href":
            "https://host:port/productCatalogManagement/v5/productSpecification/77",
          "name": "Product Specification"
        }
      }
    }
  ]
}
```

```
        "name": "NEST for enhanced MobileBroadband with IMS support"
    },
    "productCharacteristic": [
        {
            "@type": "ObjectCharacteristic",
            "id": "Slice5G_Characteristic",
            "name": "Slice 5G POQ configuration",
            "valueType": "Slice5G JSON descriptor",
            "value": {
                "@valueSchemaLocation": "https://github.com/..5GPOQ.json",
                "@type": "5GSliceJsonSpecification",
                "availability": 99.999,
                "MMTel_Support": 1,
                "Session_Service_Continuity_support": 1,
                "Slice_Quality_Of_Service": [
                    1,
                    2,
                    5,
                    6,
                    7,
                    8,
                    9
                ]
            }
        }
    ],
    "place": [
        {
            "role": "Coverage",
            "place": {
                "id": "FRA",
                "href": "https://host:port/geographicLocationManagement/v5/geographicLocation/FRA",
                "name": "France",
                "@referredType": "GeographicLocation",
                "@type": "PlaceRef"
            },
            "@type": "RelatedPlaceRefOrValue"
        },
        {
            "role": "Coverage",
            "place": {
                "id": "BEL",
                "href": "https://host:port/geographicLocationManagement/v5/geographicLocation/BEL",
                "name": "Belgium",
                "@referredType": "GeographicLocation",
                "@type": "PlaceRef"
            },
            "@type": "RelatedPlaceRefOrValue"
        }
    ],
    "action": "add",
    "id": "1",
    "state": "acknowledged"
},
],
"provideAlternative": true,
"provideResultReason": true,
"relatedParty": [
{
    "role": "requester",

```

```

"partyOrPartyRole": [
    {
        "id": "45hj-999",
        "href": "https://host:port/partyManagement/v5/individual/45hj-999",
        "name": "Louise",
        "@type": "PartyRef",
        "@referredType": "Individual"
    },
    "@type": "RelatedPartyOrPartyRole"
},
],
"requestedQualificationCompletionDate": "2021-09-02T07:11:53.168Z",
"state": "acknowledged",
"creationDate": "2021-09-02T07:11:53.168Z"
}

```

Deletes a CheckProductOfferingQualification

DELETE /checkProductOfferingQualification/{id}

Description

This operation deletes a CheckProductOfferingQualification entity.

Operations on QueryProductOfferingQualification

List or find QueryProductOfferingQualification objects

GET /queryProductOfferingQualification?fields=...

Description

This operation list QueryProductOfferingQualification entities. Attribute selection is enabled for all first level attributes. Filtering may be available depending on the compliance level supported by an implementation.

Usage samples

Retrieve a list of QueryProductOfferingQualification(s).

Request

```

GET /queryProductOfferingQualification
Content-Type: application/json

```

Response

```

200
[
{
    "href": "https://host:port/productOfferingQualification/v5/QueryProductOfferingQualification/11",
}
]

```

```
"id": "11",
"@type": "QueryProductOfferingQualification",
"channel": {
    "id": "1",
    "name": "Web",
    "@type": "ChannelRef"
},
"category": {
    "id": "24",
    "name": "International Data plan",
    "href": "https://host:port/productCatalogManagement/v5/category/24",
    "@type": "CategoryRef"
},
"description": "Example for a QueryProductOfferingQualification resource",
"effectiveQualificationDate": "2021-08-31T15:25:54.172Z",
"expectedQualificationCompletionDate": "2021-08-31T15:25:54.172Z",
"expirationDate": "2021-09-03T15:25:54.172Z",
"qualifiedProductOfferingItem": [
    {
        "@type": "QueryProductOfferingQualificationItem",
        "productOffering": {
            "id": "DPI89",
            "name": "European Data Plan - 20 GB",
            "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI89",
            "@type": "ProductOfferingRef"
        },
        "id": "1"
    },
    {
        "@type": "QueryProductOfferingQualificationItem",
        "productOffering": {
            "id": "DPI90",
            "name": "European Data Plan - 50 GB",
            "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI90",
            "@type": "ProductOfferingRef"
        },
        "id": "2"
    },
    {
        "@type": "QueryProductOfferingQualificationItem",
        "productOffering": {
            "id": "DPI91",
            "name": "European Data Plan - 100 GB",
            "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI91",
            "@type": "ProductOfferingRef"
        },
        "id": "3"
    },
    {
        "@type": "QueryProductOfferingQualificationItem",
        "productOffering": {
            "id": "DPI123",
            "name": "International Data Plan - 20 GB",
            "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI123",
            "@type": "ProductOfferingRef"
        },
        "id": "4"
    }
]
```

```
    "@type": "QueryProductOfferingQualificationItem",
    "productOffering": {
        "id": "DPI124",
        "name": "International Data Plan - 50 GB",
        "href":
"https://host:port/productCatalogManagement/v5/productOffering/DPI124",
            "@type": "ProductOfferingRef"
        },
        "id": "5"
    },
{
    "@type": "QueryProductOfferingQualificationItem",
    "productOffering": {
        "id": "DPI125",
        "name": "International Data Plan - 100 GB",
        "href":
"https://host:port/productCatalogManagement/v5/productOffering/DPI125",
            "@type": "ProductOfferingRef"
        },
        "id": "6"
    }
],
"relatedParty": [
{
    "role": "requester",
    "partyOrPartyRole": {
        "id": "45hj-999",
        "href": "https://host:port/partyManagement/v5/individual/45hj-999",
        "name": "Louise",
        "@type": "PartyRef",
        "@referredType": "Individual"
    },
    "@type": "RelatedPartyOrPartyRole"
}
],
"requestedQualificationCompletionDate": "2021-08-31T15:25:54.172Z",
"state": "done",
"creationDate": "2021-08-31T15:25:54.172Z"
},
{
    "href":
"https://host:port/productOfferingQualification/v5/QueryProductOfferingQualification
/14",
    "id": "14",
    "@type": "QueryProductOfferingQualification",
    "description": "Example for an inProgress QueryProductOfferingQualification
resource",
    "expectedQualificationCompletionDate": "2021-09-06T15:51:12.570Z",
    "qualifiedProductOfferingItem": [
    {
        "@type": "QueryProductOfferingQualificationItem",
        "product": {
            "id": "1",
            "@type": "Product",
            "productSpecification": {
                "id": "dfg-56d",
                "href":
"https://host:port/productCatalogManagement/v5/productSpecification/dfg-56d",
                    "version": "v2",
                    "name": "UNI specification",
                    "@type": "ProductSpecificationRef"
                },
                "productCharacteristic": [

```

```
{
    "@type": "ObjectCharacteristic",
    "id": "UNI_Characteristic",
    "name": "UNI order configuration",
    "valueType": "UNISpec JSON descriptor",
    "value": {
        "@valueSchemaLocation": "https://github.com/..UNISpec.json",
        "@type": "UNIJsonSpecification",
        "physicalLayer": "10BASE-T",
        "synchronousModeEnabled": true,
        "numberOfLinks": 1,
        "tokenShareEnabled": true,
        "uniResiliency": "NONE",
        "maxServiceFrameSize": 1256
    }
},
"place": [
{
    "role": "INSTALL_LOCATION",
    "place": {
        "streetType": "rue",
        "streetName": "Pellisier",
        "streetNr": "14",
        "city": "Paris",
        "postcode": "75004",
        "country": "France",
        "@type": "GeographicAddress"
    },
    "@type": "RelatedPlaceRefOrValue"
}
]
}
],
"relatedParty": [
{
    "role": "requester",
    "partyOrPartyRole": {
        "id": "45hj-999",
        "href": "https://host:port/partyManagement/v5/individual/45hj-999",
        "name": "Louise",
        "@type": "PartyRef",
        "@referredType": "Individual"
    },
    "@type": "RelatedPartyOrPartyRole"
}
],
"requestedQualificationCompletionDate": "2021-09-06T15:51:12.570Z",
"state": "inProgress",
"creationDate": "2021-08-31T15:51:12.570Z"
}
]
```

Retrieve a list of QueryProductOfferingQualification(s).

Request

```
GET
/queryProductOfferingQualification?state=done&fields=@type,id,href,expirationDate,st
```

```
ate  
Content-Type: application/json
```

Response

```
200  
[  
  {  
    "id": "11",  
    "href":  
      "https://host:port/productOfferingQualification/v5/QueryProductOfferingQualification  
      /11",  
    "state": "done",  
    "expirationDate": "2021-09-03T11:33:54.172Z",  
    "@type": "QueryProductOfferingQualification"  
  },  
  {  
    "id": "12",  
    "href":  
      "https://host:port/productOfferingQualification/v5/QueryProductOfferingQualification  
      /12",  
    "state": "done",  
    "expirationDate": "2021-09-03T14:25:54.172Z",  
    "@type": "QueryProductOfferingQualification"  
  },  
  {  
    "id": "32",  
    "href":  
      "https://host:port/productOfferingQualification/v5/QueryProductOfferingQualification  
      /32",  
    "state": "done",  
    "expirationDate": "2021-09-02T15:25:54.172Z",  
    "@type": "QueryProductOfferingQualification"  
  },  
  {  
    "id": "47",  
    "href":  
      "https://host:port/productOfferingQualification/v5/QueryProductOfferingQualification  
      /47",  
    "state": "done",  
    "expirationDate": "2021-09-03T15:25:54.172Z",  
    "@type": "QueryProductOfferingQualification"  
  }  
]
```

Retrieves a QueryProductOfferingQualification by ID

GET /queryProductOfferingQualification/{id}?fields=...

Description

This operation retrieves a QueryProductOfferingQualification entity. Attribute selection is enabled for all first level attributes. Filtering may be available depending on the compliance level supported by an implementation.

Usage samples

Retrieve a QueryProductOfferingQualification from its identifier

Request

```
GET /queryProductOfferingQualification/11
Content-Type: application/json
```

Response

```
200

{
  "href": "https://host:port/productOfferingQualification/v5/QueryProductOfferingQualification/11",
  "id": "11",
  "@type": "QueryProductOfferingQualification",
  "channel": {
    "id": "1",
    "name": "Web",
    "@type": "ChannelRef"
  },
  "category": {
    "id": "24",
    "name": "International Data plan",
    "href": "https://host:port/productCatalogManagement/v5/category/24",
    "@type": "CategoryRef"
  },
  "description": "Example for a QueryProductOfferingQualification resource",
  "effectiveQualificationDate": "2021-08-31T15:25:54.172Z",
  "expectedQualificationCompletionDate": "2021-08-31T15:25:54.172Z",
  "expirationDate": "2021-09-03T15:25:54.172Z",
  "qualifiedProductOfferingItem": [
    {
      "@type": "QueryProductOfferingQualificationItem",
      "productOffering": {
        "id": "DPI89",
        "name": "European Data Plan - 20 GB",
        "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI89",
        "@type": "ProductOfferingRef"
      },
      "id": "1"
    },
    {
      "@type": "QueryProductOfferingQualificationItem",
      "productOffering": {
        "id": "DPI90",
        "name": "European Data Plan - 50 GB",
        "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI90",
        "@type": "ProductOfferingRef"
      },
      "id": "2"
    },
    {
      "@type": "QueryProductOfferingQualificationItem",
      "productOffering": {
        "id": "DPI91",
        "name": "European Data Plan - 100 GB",
        "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI91",
        "@type": "ProductOfferingRef"
      },
      "id": "3"
    }
  ]
}
```

```
        "name": "European Data Plan - 100 GB",
        "href":
"https://host:port/productCatalogManagement/v5/productOffering/DPI91",
        "@type": "ProductOfferingRef"
    },
    "id": "3"
},
{
    "@type": "QueryProductOfferingQualificationItem",
    "productOffering": {
        "id": "DPI123",
        "name": "International Data Plan - 20 GB",
        "href":
"https://host:port/productCatalogManagement/v5/productOffering/DPI123",
        "@type": "ProductOfferingRef"
    },
    "id": "4"
},
{
    "@type": "QueryProductOfferingQualificationItem",
    "productOffering": {
        "id": "DPI124",
        "name": "International Data Plan - 50 GB",
        "href":
"https://host:port/productCatalogManagement/v5/productOffering/DPI124",
        "@type": "ProductOfferingRef"
    },
    "id": "5"
},
{
    "@type": "QueryProductOfferingQualificationItem",
    "productOffering": {
        "id": "DPI125",
        "name": "International Data Plan - 100 GB",
        "href":
"https://host:port/productCatalogManagement/v5/productOffering/DPI125",
        "@type": "ProductOfferingRef"
    },
    "id": "6"
}
],
"relatedParty": [
{
    "role": "requester",
    "partyOrPartyRole": {
        "id": "45hj-999",
        "href": "https://host:port/partyManagement/v5/individual/45hj-999",
        "name": "Louise",
        "@type": "PartyRef",
        "@referredType": "Individual"
    },
    "@type": "RelatedPartyOrPartyRole"
}
],
"requestedQualificationCompletionDate": "2021-08-31T15:25:54.172Z",
"state": "done",
"creationDate": "2021-08-31T15:25:54.172Z"
}
```

Retrieve a QueryProductOfferingQualification from its identifier

Request

```
GET /queryProductOfferingQualification/14
Content-Type: application/json
```

Response

```
200

{
  "href": "https://host:port/productOfferingQualification/v5/QueryProductOfferingQualification/14",
  "id": "14",
  "@type": "QueryProductOfferingQualification",
  "description": "Example for an inProgress QueryProductOfferingQualification resource",
  "expectedQualificationCompletionDate": "2021-09-06T15:51:12.570Z",
  "qualifiedProductOfferingItem": [
    {
      "@type": "QueryProductOfferingQualificationItem",
      "id": "1",
      "product": {

        "@type": "Product",
        "productSpecification": {
          "id": "dfg-56d",
          "href": "https://host:port/productCatalogManagement/v5/productSpecification[dfg-56d",
          "version": "v2",
          "name": "UNI specification",
          "@type": "ProductSpecificationRef"
        },
        "productCharacteristic": [
          {
            "@type": "ObjectCharacteristic",
            "id": "UNI_Characteristic",
            "name": "UNI order configuration",
            "valueType": "object",
            "value": {
              "@valueSchemaLocation": "https://github.com/..UNISpec.json",
              "@type": "UNIJsonSpecification",
              "physicalLayer": "10BASE-T",
              "synchronousModeEnabled": true,
              "numberOfLinks": 1,
              "tokenShareEnabled": true,
              "uniResiliency": "NONE",
              "maxServiceFrameSize": 1256
            }
          }
        ],
        "place": [
          {
            "role": "INSTALL_LOCATION",
            "place": {
              "streetType": "rue",
              "streetName": "Pellisier",
              "streetNr": "14",
              "city": "Paris",
            }
          }
        ]
      }
    }
  ]
}
```

```

        "postcode": "75004",
        "country": "France",
        "@type": "GeographicAddress"
    },
    "@type": "RelatedPlaceRefOrValue"
}
]
}
],
"relatedParty": [
{
    "role": "requester",
    "partyOrPartyRole": {
        "id": "45hj-999",
        "href": "https://host:port/partyManagement/v5/individual/45hj-999",
        "name": "Louise",
        "@type": "PartyRef",
        "@referredType": "Individual"
    },
    "@type": "RelatedPartyOrPartyRole"
}
],
"requestedQualificationCompletionDate": "2021-09-06T15:51:12.570Z",
"state": "inProgress",
"creationDate": "2021-08-31T15:51:12.570Z"
}

```

Creates a QueryProductOfferingQualification

POST /queryProductOfferingQualification?fields=...

Description

This operation creates a QueryProductOfferingQualification entity.

Mandatory Attributes

Mandatory Attributes	Rule
----------------------	------

Usage samples

Creation of a new QueryProductOfferingQualification with POST operation

Request

```

POST /queryProductOfferingQualification
Content-Type: application/json

{
    "@type": "QueryProductOfferingQualification",
    "channel": {
        "id": "1",
        "name": "Web",
        "@type": "ChannelRef"
    },
    "category": {

```

```
        "id": "24",
        "name": "International Data plan",
        "href": "https://host:port/productCatalogManagement/v5/category/24",
        "@type": "CategoryRef"
    },
    "description": "Example for a QueryProductOfferingQualification resource",
    "relatedParty": [
        {
            "role": "requester",
            "partyOrPartyRole": {
                "id": "45hj-999",
                "href": "https://host:port/partyManagement/v5/individual/45hj-999",
                "name": "Louise",
                "@type": "PartyRef",
                "@referredType": "Individual"
            },
            "@type": "RelatedPartyOrPartyRole"
        }
    ],
    "requestedQualificationCompletionDate": "2021-08-31T15:25:54.172Z"
}
```

Response

```
200

{
    "href": "https://host:port/productOfferingQualification/v5/QueryProductOfferingQualification/11",
    "id": "11",
    "@type": "QueryProductOfferingQualification",
    "channel": {
        "id": "1",
        "name": "Web",
        "@type": "ChannelRef"
    },
    "category": {
        "id": "24",
        "name": "International Data plan",
        "href": "https://host:port/productCatalogManagement/v5/category/24",
        "@type": "CategoryRef"
    },
    "description": "Example for a QueryProductOfferingQualification resource",
    "effectiveQualificationDate": "2021-08-31T15:25:54.172Z",
    "expectedQualificationCompletionDate": "2021-08-31T15:25:54.172Z",
    "expirationDate": "2021-09-03T15:25:54.172Z",
    "qualifiedProductOfferingItem": [
        {
            "@type": "QueryProductOfferingQualificationItem",
            "productOffering": {
                "id": "DPI89",
                "name": "European Data Plan - 20 GB",
                "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI89",
                "@type": "ProductOfferingRef"
            },
            "id": "1"
        }
    ]
}
```

```
"@type": "QueryProductOfferingQualificationItem",
"productOffering": {
    "id": "DPI90",
    "name": "European Data Plan - 50 GB",
    "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI90",
    "@type": "ProductOfferingRef"
},
"id": "2"
},
{
    "@type": "QueryProductOfferingQualificationItem",
    "productOffering": {
        "id": "DPI91",
        "name": "European Data Plan - 100 GB",
        "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI91",
        "@type": "ProductOfferingRef"
},
"id": "3"
},
{
    "@type": "QueryProductOfferingQualificationItem",
    "productOffering": {
        "id": "DPI123",
        "name": "International Data Plan - 20 GB",
        "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI123",
        "@type": "ProductOfferingRef"
},
"id": "4"
},
{
    "@type": "QueryProductOfferingQualificationItem",
    "productOffering": {
        "id": "DPI124",
        "name": "International Data Plan - 50 GB",
        "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI124",
        "@type": "ProductOfferingRef"
},
"id": "5"
},
{
    "@type": "QueryProductOfferingQualificationItem",
    "productOffering": {
        "id": "DPI125",
        "name": "International Data Plan - 100 GB",
        "href": "https://host:port/productCatalogManagement/v5/productOffering/DPI125",
        "@type": "ProductOfferingRef"
},
"id": "6"
}
],
"relatedParty": [
{
    "role": "requester",
    "partyOrPartyRole": {
        "id": "45hj-999",
        "href": "https://host:port/partyManagement/v5/individual/45hj-999",
        "name": "Louise",
        "@type": "PartyRef",
        "id": "7"
    }
}
]
```

```

        "@referredType": "Individual"
    },
    "@type": "RelatedPartyOrPartyRole"
}
],
"requestedQualificationCompletionDate": "2021-08-31T15:25:54.172Z",
"state": "done",
"creationDate": "2021-08-31T15:25:54.172Z"
}

```

Updates partially a QueryProductOfferingQualification

PATCH /queryProductOfferingQualification/{id}?fields=...

Description

This operation allows partial updates of a QueryProductOfferingQualification entity. Support of json/merge (<https://tools.ietf.org/html/rfc7386>) is mandatory, support of json/patch (<http://tools.ietf.org/html/rfc5789>) is optional. Note: If the update operation yields to the creation of sub-resources or relationships, the same rules concerning mandatory sub-resource attributes and default value settings in the POST operation applies to the PATCH operation. Hence these tables are not repeated here.

Patchable and Non Patchable Attributes

Non Patchable Attributes	Rule
creationDate	
href	
id	

Patchable Attributes	Rule
channel	
description	
effectiveQualificationDate	
expectedQualificationCompletion Date	
expirationDate	
instantSyncQualification	
note	
qualifiedProductOfferingItem	
relatedParty	
requestedQualificationCompletion Date	
searchCriteria	
state	

Usage samples

Here's an example of a request for updating a QueryProductOfferingQualification resource - set status to inProgress. This example illustrates patch using application/json.

Request

```
PATCH /queryProductOfferingQualification/101
Content-Type: application/json

{
    "@type": "QueryProductOfferingQualification",
    "status": "inProgress"
}
```

Response

```
200

{
    "href": "https://host:port/productOfferingQualification/v5/QueryProductOfferingQualification/14",
    "id": "14",
    "@type": "QueryProductOfferingQualification",
    "description": "Example for an inProgress QueryProductOfferingQualification resource",
    "expectedQualificationCompletionDate": "2021-09-06T15:51:12.570Z",
    "qualifiedProductOfferingItem": [
        {
            "@type": "QueryProductOfferingQualificationItem",
            "product": {
                "id": "1",
                "@type": "Product",
                "productSpecification": {
                    "id": "dfg-56d",
                    "href": "https://host:port/productCatalogManagement/v5/productSpecification[dfg-56d",
                    "version": "v2",
                    "name": "UNI specification"
                },
                "productCharacteristic": [
                    {
                        "@type": "ObjectCharacteristic",
                        "id": "UNI_Characteristic",
                        "name": "UNI order configuration",
                        "valueType": "UNISpec JSON descriptor",
                        "value": {
                            "@valueSchemaLocation": "https://github.com/..UNISpec.json",
                            "@type": "UNIJsonSpecification",
                            "physicalLayer": "100BASE-T",
                            "synchronousModeEnabled": true,
                            "numberOfLinks": 1,
                            "tokenShareEnabled": true,
                            "uniResiliency": "NONE",
                            "maxServiceFrameSize": 1256
                        }
                    }
                ]
            }
        }
    ]
}
```

```

        ],
        "place": [
            {
                "role": "INSTALL_LOCATION",
                "place": {
                    "streetType": "rue",
                    "streetName": "Pellisier",
                    "streetNr": "14",
                    "city": "Paris",
                    "postcode": "75004",
                    "country": "France",
                    "@type": "GeographicAddress"
                },
                "@type": "RelatedPlaceRefOrValue"
            }
        ]
    }
],
"relatedParty": [
{
    "role": "requester",
    "partyOrPartyRole": {
        "id": "45hj-999",
        "href": "https://host:port/partyManagement/v5/individual/45hj-999",
        "name": "Louise",
        "@type": "PartyRef",
        "@referredType": "Individual"
    },
    "@type": "RelatedPartyOrPartyRole"
}
],
"requestedQualificationCompletionDate": "2021-09-06T15:51:12.570Z",
"state": "inProgress",
"creationDate": "2021-08-31T15:51:12.570Z"
}

```

Here's an example of a request for updating a QueryProductOfferingQualification resource - set status to inProgress. This example illustrates patch using application/merge-patch+json.

Request

```

PATCH /queryProductOfferingQualification/101
Content-Type: application/merge-patch+json

{
    "@type": "QueryProductOfferingQualification",
    "status": "inProgress"
}

```

Response

```

200

{
    "href":
    "https://host:port/productOfferingQualification/v5/QueryProductOfferingQualification"
}

```

```
/14",
  "id": "14",
  "@type": "QueryProductOfferingQualification",
  "description": "Example for an inProgress QueryProductOfferingQualification resource",
  "expectedQualificationCompletionDate": "2021-09-06T15:51:12.570Z",
  "qualifiedProductOfferingItem": [
    {
      "@type": "QueryProductOfferingQualificationItem",
      "product": {
        "id": "1",
        "@type": "Product",
        "productSpecification": {
          "id": "dfg-56d",
          "href": "https://host:port/productCatalogManagement/v5/productSpecification/dfg-56d",
          "version": "v2",
          "name": "UNI specification"
        },
        "productCharacteristic": [
          {
            "@type": "ObjectCharacteristic",
            "id": "UNI_Characteristic",
            "name": "UNI order configuration",
            "valueType": "UNISpec JSON descriptor",
            "value": {
              "@valueSchemaLocation": "https://github.com/..UNISpec.json",
              "@type": "UNIJsonSpecification",
              "physicalLayer": "100BASE-T",
              "synchronousModeEnabled": true,
              "numberOfLinks": 1,
              "tokenShareEnabled": true,
              "uniResiliency": "NONE",
              "maxServiceFrameSize": 1256
            }
          }
        ],
        "place": [
          {
            "role": "INSTALL_LOCATION",
            "place": {
              "streetType": "rue",
              "streetName": "Pellisier",
              "streetNr": "14",
              "city": "Paris",
              "postcode": "75004",
              "country": "France",
              "@type": "GeographicAddress"
            },
            "@type": "RelatedPlaceRefOrValue"
          }
        ]
      }
    ],
    "relatedParty": [
      {
        "role": "requester",
        "partyOrPartyRole": {
          "id": "45hj-999",
          "href": "https://host:port/partyManagement/v5/individual/45hj-999",
          "name": "Louise",
          "@type": "PartyRef"
        }
      }
    ]
  ]
}
```

```
        "@referredType": "Individual"
    },
    "@type": "RelatedPartyOrPartyRole"
}
],
"requestedQualificationCompletionDate": "2021-09-06T15:51:12.570Z",
"state": "inProgress",
"creationDate": "2021-08-31T15:51:12.570Z"
}
```

Here's an example of a request for updating a QueryProductOfferingQualification resource - set status to inProgress. This example illustrates patch using application/json-patch+json.

Request

```
PATCH /queryProductOfferingQualification/14
Content-Type: application/json-patch+json

[
    {
        "op": "replace",
        "path": "/status",
        "value": "inProgress"
    }
]
```

Response

```
200

{
    "href": "https://host:port/productOfferingQualification/v5/QueryProductOfferingQualification/14",
    "id": "14",
    "@type": "QueryProductOfferingQualification",
    "description": "Example for an inProgress QueryProductOfferingQualification resource",
    "expectedQualificationCompletionDate": "2021-09-06T15:51:12.570Z",
    "qualifiedProductOfferingItem": [
        {
            "@type": "QueryProductOfferingQualificationItem",
            "product": {
                "id": "1",
                "@type": "Product",
                "productSpecification": {
                    "id": "dfg-56d",
                    "href": "https://host:port/productCatalogManagement/v5/productSpecification[dfg-56d",
                        "version": "v2",
                        "name": "UNI specification"
                    },
                    "productCharacteristic": [
                        {
                            "@type": "ObjectCharacteristic",
                            "id": "UNI_Characteristic",
                            "name": "UNI order configuration",
                        }
                    ]
                }
            }
        }
    ]
}
```

```

    "valueType": "UNISpec JSON descriptor",
    "value": {
        "@valueSchemaLocation": "https://github.com/..UNISpec.json",
        "@type": "UNIJsonSpecification",
        "physicalLayer": "100BASE-T",
        "synchronousModeEnabled": true,
        "numberOfLinks": 1,
        "tokenShareEnabled": true,
        "uniResiliency": "NONE",
        "maxServiceFrameSize": 1256
    }
},
],
"place": [
{
    "role": "INSTALL_LOCATION",
    "place": {
        "streetType": "rue",
        "streetName": "Pellisier",
        "streetNr": "14",
        "city": "Paris",
        "postcode": "75004",
        "country": "France",
        "@type": "GeographicAddress"
    },
    "@type": "RelatedPlaceRefOrValue"
}
]
},
],
"relatedParty": [
{
    "role": "requester",
    "partyOrPartyRole": {
        "id": "45hj-999",
        "href": "https://host:port/partyManagement/v5/individual/45hj-999",
        "name": "Louise",
        "@type": "PartyRef",
        "@REFERREDTYPE": "Individual"
    },
    "@type": "RelatedPartyOrPartyRole"
}
],
"requestedQualificationCompletionDate": "2021-09-06T15:51:12.570Z",
"state": "inProgress",
"creationDate": "2021-08-31T15:51:12.570Z"
}
}
```

Here's an example of a request for updating a QueryProductOfferingQualification resource - change place post code and product characteristic. This example illustrates patch using application/json-patch-query+json.

Request

```
PATCH /queryProductOfferingQualification/14  
Content-Type: application/json-patch-query+json
```

1

```
{
  "op": "replace",
  "path":
  "/qualifiedProductOfferingItem/productCharacteristic/value/physicalLayer?qualifiedPr
oductOfferingItem.id=1",
  "value": "100BASE-T"
},
{
  "op": "replace",
  "path": "/place/postcode?role=INSTALL_LOCATION",
  "value": "75005"
}
]
```

Response

```
200

{
  "href":
  "https://host:port/productOfferingQualification/v5/CheckProductOfferingQualification
/101",
  "id": "101",
  "@type": "CheckProductOfferingQualification",
  "channel": {
    "id": "1",
    "name": "Web",
    "@type": "ChannelRef"
  },
  "description": "Example for an acknowledged CheckProductOfferingQualification
resource",
  "expectedQualificationCompletionDate": "2021-09-05T07:11:53.167Z",
  "CheckProductOfferingQualificationItem": [
    {
      "@type": "CheckProductOfferingQualificationItem",
      "expectedActivationDate": "2021-09-02T07:11:53.167Z",
      "product": {
        "@type": "Product",
        "productSpecification": {
          "id": "77",
          "href":
          "https://host:port/productCatalogManagement/v5/productSpecification/77",
          "name": "NEST for enhanced MobileBroadband with IMS support"
        },
        "productCharacteristic": [
          {
            "@type": "ObjectCharacteristic",
            "id": "Slice5G_Characteristic",
            "name": "Slice 5G POQ configuration",
            "valueType": "Slice5G JSON descriptor",
            "value": {
              "@valueSchemaLocation": "https://github.com/..5GPOQ.json",
              "@type": "5GSliceJsonSpecification",
              "availability": 99.999,
              "MMTel_Support": 1,
              "Session_Service_Continuity_support": 1,
              "Slice_Quality_Of_Service": [
                1,
                2,
                5,
              ]
            }
          }
        ]
      }
    }
  ]
}
```

```
        6,
        7,
        8,
        9
    ]
}
]
],
"place": [
{
    "role": "Coverage",
    "place": {
        "id": "FRA",
        "href": "https://host:port/geographicLocationManagement/v5/geographicLocation/FRA",
        "name": "France",
        "@referredType": "GeographicLocation",
        "@type": "PlaceRef"
    },
    "@type": "RelatedPlaceRefOrValue"
},
{
    "role": "Coverage",
    "place": {
        "id": "BEL",
        "href": "https://host:port/geographicLocationManagement/v5/geographicLocation/BEL",
        "name": "Belgium",
        "@referredType": "GeographicLocation",
        "@type": "PlaceRef"
    },
    "@type": "RelatedPlaceRefOrValue"
}
]
},
"action": "add",
"id": "1",
"state": "acknowledged"
}
],
"provideAlternative": true,
"provideResultReason": true,
"relatedParty": [
{
    "role": "requester",
    "partyOrPartyRole": {
        "id": "45hj-999",
        "href": "https://host:port/partyManagement/v5/individual/45hj-999",
        "name": "Louise",
        "@type": "PartyRef",
        "@referredType": "Individual"
    },
    "@type": "RelatedPartyOrPartyRole"
}
],
"requestedQualificationCompletionDate": "2021-09-02T07:11:53.168Z",
"state": "acknowledged",
"creationDate": "2021-09-02T07:11:53.168Z"
}
```

Deletes a QueryProductOfferingQualification

DELETE /queryProductOfferingQualification/{id}

Description

This operation deletes a QueryProductOfferingQualification entity.

API NOTIFICATIONS

For every single of operation on the entities use the following templates and provide sample REST notification POST calls.

It is assumed that the Pub/Sub uses the Register and UnRegister mechanisms described in the REST Guidelines reproduced below.

Register listener

POST /hub

Description

Sets the communication endpoint address the service instance must use to deliver information about its health state, execution state, failures and metrics. Subsequent POST calls will be rejected by the service if it does not support multiple listeners. In this case DELETE /api/hub/{id} must be called before an endpoint can be created again.

Behavior

Returns HTTP/1.1 status code 204 if the request was successful.

Returns HTTP/1.1 status code 409 if request is not successful.

Usage Samples

Here's an example of a request for registering a listener.

Request

```
POST /api/hub
Accept: application/json
{
  "callback": "http://in.listener.com"
}
```

Response

```
201
Content-Type: application/json
Location: /api/hub/42
{
  "id": "42",
  "callback": "http://in.listener.com",
  "query": ""
}
```

Unregister listener

DELETE /hub/{id}

Description

Clears the communication endpoint address that was set by creating the Hub..

Behavior

Returns HTTP/1.1 status code 204 if the request was successful.

Returns HTTP/1.1 status code 404 if the resource is not found.

Usage Samples

Here's an example of a request for un-registering a listener.

Request

```
DELETE /api/hub/42  
Accept: application/json
```

Response

```
204
```

Publish Event to listener

POST /client/listener

Description

Clears the communication endpoint address that was set by creating the Hub.

Provides to a registered listener the description of the event that was raised. The /client/listener url is the callback url passed when registering the listener.

Behavior

Returns HTTP/1.1 status code 201 if the service is able to set the configuration.

Usage Samples

Here's an example of a notification received by the listener. In this example "EVENT TYPE" should be replaced by one of the notification types supported by this API (see Notification resources Models section) and EVENT BODY refers to the data structure of the given notification type.

Request

```
POST /client/listener

Accept: application/json

{
    "event": {
        EVENT BODY
    },
    "eventType": "EVENT_TYPE"
}
```

Response

```
201
```

For detailed examples on the general TM Forum notification mechanism, see the TMF REST Design Guidelines.

Acknowledgements

Version History

version Number	Date	Version led by:	Description
Version 1.0.0	04/15/2016	Pierre Gauthier TM Forum Takayuki Nakamura NTT Ludovic Robert Orange	First Release of Draft Version of the document
Version 2.0.0	10/2/2017	Pierre Gauthier TM Forum Mariano Belaunde Orange Ludovic Robert Orange	Regenerated from the API Data Model – and rebranded. +update to comply with API new pattern + AP 910 feedbacks + MEF change requests redistribution to TMF
Version 4.0.0		Pierre Gauthier TM Forum Ludovic Robert Orange	Schema-driven API with polymorphism pattern Following Jira have been integrated : * AP-1244 * AP-1122 * AP-1251 * AP-1125 * AP-1142 (for item related to POQ) Nota: the version 4.0 is assigned to all the APIs delivered in the release 19.0
Version 5.0.0	06/06/2024	Anh Tuan NGUYEN (Orange)	Migration to OAS (Open API Specification 3), conformance update. Schemas changed according JIRA AP-4573 : renaming EligibilityUnavailabilityReason into EligibilityResultReason. "instantSyncQualification" set as deprecated.

Release History

Release Number	Date	Release led by:	Description
Release 16.5	04/15/2016	See above Version 1.0.0	
Release 17.5	10/15/2017	See above Version 2.0.0	
Release 19.0		see above Version 4.0.0	Version 4.0 of the API REST Nota: the version 4.0 is assigned to all the APIs delivered in the release 19.0

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