

# Party Management

## Business Service Specification

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## PARTY MANAGEMENT

The party management API provides standardized mechanism for party management such as creation, update, retrieval, deletion and notification of events.

Party can be an individual or an organization that has any kind of relation with the enterprise.

Party is created to record individual or organization information before the assignment of any role.

For example, within the context of a split billing mechanism, Party management API allows creation of the individual or organization that will play the role of 3rd payer for a given offer and, then, allows consultation or update of his information.

Party management API manages the following data resources:

### Individual

- o Individual represents a single human being (a man, woman or child). The individual can be a customer, an employee or any other person that the organization needs to store information about.

- o Main Individual attributes are its identifier, place of birth, country of birth, nationality, marital status, birth and death dates, disability, title, names (given, family, middle, etc.), location, individual identification, related parties

### Organization

- o Organization represents a group of people identified by shared interests or purpose. Examples include business, department, and enterprise. Because of the complex nature of many businesses, both organizations and organization units are represented by the same data

- o Main organization attributes are its identifier, type, legal entity, date of creation and cessation, trading name and type, other name, organization identifier, related parties and organization relationships (Parent and Child).

Party management API performs the following operations on individuals and organizations:

Retrieval of an individual or organization or of a collection of them depending on filter criteria

Full update of an individual or organization

Partial update of an individual or organization

Creation of an individual or organization

Deletion of an individual or organization (for administration purposes)

Notification of events:

- o Individual create

- o Individual update

- o Individual delete

- o Organization create

- o Organization update

- o Organization delete

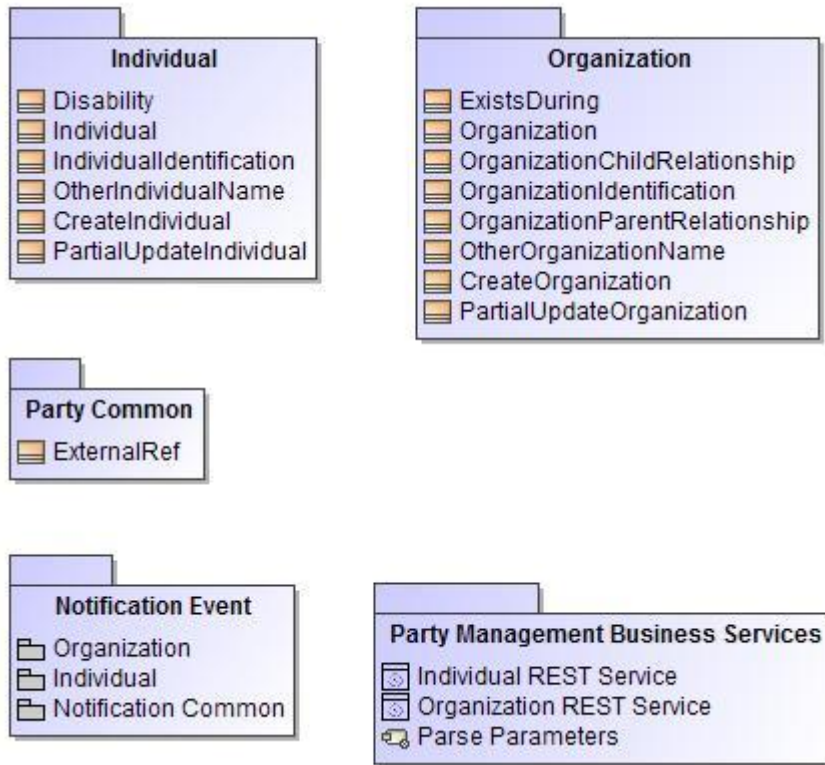


Figure 1. Party Management

## PARTY MANAGEMENT BUSINESS ENTITIES

The following document is the specification of the REST API Party Management.

The party management API provides standardized mechanism for party management such as creation, update, retrieval, deletion and notification of events.

Party can be an individual or an organization that has any kind of relation with the enterprise.

Party is created to record individual or organization information before the assignment of any role.

For example, within the context of a split billing mechanism, Party management API allows creation of the individual or organization that will play the role of 3rd payer for a given offer and, then, allows consultation or update of his information.

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### Organization

- o Organization represents a group of people identified by shared interests or purpose. Examples include business, department, and enterprise. Because of the complex nature of many businesses, both organizations and organization units are represented by the same data
- o Main organization attributes are its identifier, type, legal entity, date of creation and cessation, trading name and type, other name, organization identifier, related parties and organization relationships (Parent and Child)

Party management API performs the following operations on individuals and organizations:

- Retrieval of an individual or organization or of a collection of them depending on filter criteria
- Full update of an individual or organization
- Partial update of an individual or organization
- Creation of an individual or organization
- Deletion of an individual or organization (for administration purposes)

Notification of events:

- o Individual create
- o Individual update
- o Individual delete
  
- o Organization create
- o Organization update
- o Organization delete



## INDIVIDUAL

Individual represents a single human being (a man, woman or child). The individual can be a customer, an employee or any other person that the organization needs to store information about.

Main Individual attributes are its identifier, place of birth, country of birth, nationality, marital status, birth and death dates, disability, title, names (given, family, middle, etc.), location, individual identification, related parties.

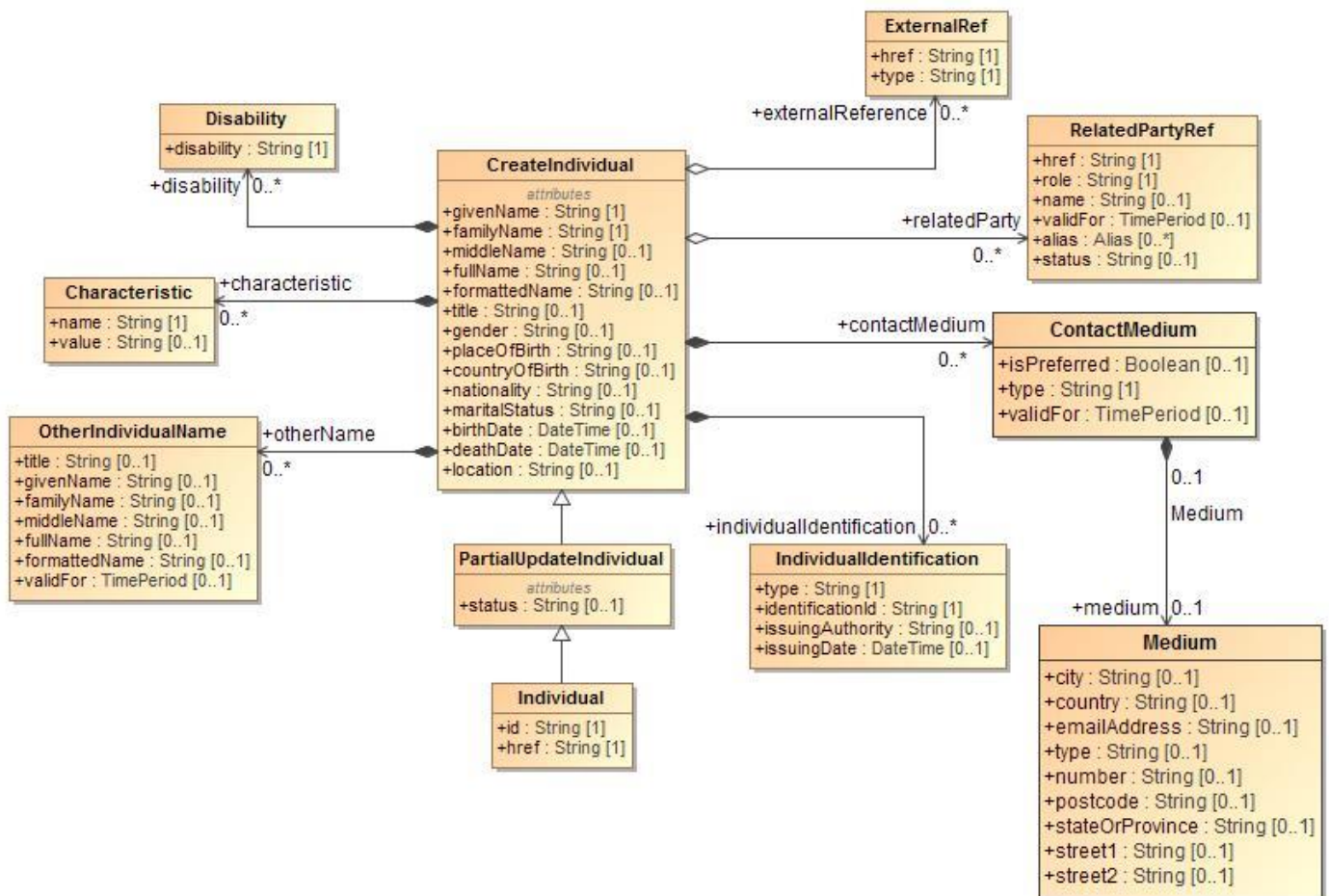


Figure 2. Individual

## BUSINESS ENTITY – CREATEINDIVIDUAL

An Individual represents a physical person.

### Attributes

Name	Type	Multiplicity	Description
birthDate	DateTime	0..1	Birth date
characteristic	Characteristic	0..*	Allows to describes individual hobbies, center of interests, ...
contactMedium	ContactMedium	0..*	Indicates the contact medium that could be used to contact the individual.
countryOfBirth	String	0..1	The country of birth
deathDate	DateTime	0..1	Death date
disability	Disability	0..*	List of disabilities (such as blind, motor-

			handicapped, ...). Indicates lack or inadequate strength or ability.
externalReference	ExternalRef	0..*	External reference to manage touch points to external OTT identifiers for the person (facebook, google+, ...).
familyName	String	1	Last name
formattedName	String	0..1	A formatted name useful for specific contexts (Chinese, Japanese, Korean, ...)
fullName	String	0..1	Full name flatten (first, middle, and last names)
gender	String	0..1	Gender
givenName	String	1	First name
individualIdentification	IndividualIdentification	0..*	Identifiers used to identify a person (passport, national identity card, driver's license, social security number, birth certificate).
location	String	0..1	Temporary current location of the party (may be used if the party has approved its sharing).
maritalStatus	String	0..1	Marital status (married, divorced, widow, ...)
middleName	String	0..1	Middle name
nationality	String	0..1	Nationality
otherName	OtherIndividualName	0..*	To keep track other names (for example the old name of a woman before marriage or an artist name).
placeOfBirth	String	0..1	An hyperlink to the place of birth
relatedParty	RelatedPartyRef	0..*	Defines party or partyRole related to an individual.
title	String	0..1	Useful for titles (aristocratic, social, ...) : Pr, Dr, Sir, ...

## Business Rules

Name	Severity	Specification	Message
mandatory attributes		[givenName familyName disability.disability  characteristic.name characteristic.value  individualIdentification.type individualIdentification.identificationId  externalReference.referenceType externalReference.reference  relatedParty.role relatedParty.ref relatedParty.validFor.startDateTime (not mandatory is set to sysdate by default)]	

## BUSINESS ENTITY – DISABILITY

List of disabilities (such as blind, motor-handicapped, ...). Indicates lack or inadequate strength or ability.

### Attributes

Name	Type	Multiplicity	Description
disability	String	1	Physical or mental handicap.

## BUSINESS ENTITY – INDIVIDUAL

An Individual represents a physical person.

### Attributes

Name	Type	Multiplicity	Description
birthDate	DateTime	0..1	Birth date
characteristic	Characteristic	0..*	Allows to describes individual hobbies, center of interests, ...
contactMedium	ContactMedium	0..*	Indicates the contact medium that could be used to contact the individual.
countryOfBirth	String	0..1	The country of birth
deathDate	DateTime	0..1	Death date
disability	Disability	0..*	List of disabilities (such as blind, motor-handicapped, ...). Indicates lack or inadequate strength or ability.
externalReference	ExternalRef	0..*	External reference to manage touch points to external OTT identifiers for the person (facebook, google+, ...).
familyName	String	1	Last name
formattedName	String	0..1	A formatted name useful for specific contexts (Chinese, Japanese, Korean, ...)
fullName	String	0..1	Full name flatten (first, middle, and last names)
gender	String	0..1	Gender
givenName	String	1	First name
href	String	1	Reference to individual
id	String	1	Unique identifier for the individual
individualIdentification	IndividualIdentification	0..*	Identifiers used to identify a person (passport, national identity card, driver's license, social security number, birth certificate).
location	String	0..1	Temporary current location of the party (may be used if the party has approved its sharing).
maritalStatus	String	0..1	Marital status (married, divorced, widow, ...)
middleName	String	0..1	Middle name
nationality	String	0..1	Nationality
otherName	OtherIndividualName	0..*	To keep track other names (for example the old name of a woman before marriage or an artist name).
placeOfBirth	String	0..1	An hyperlink to the place of birth
relatedParty	RelatedPartyRef	0..*	Defines party or partyRole related to an individual.
status	String	0..1	Status of the individual - initialized, validated, deceased.
title	String	0..1	Useful for titles (aristocratic, social, ...) : Pr, Dr, Sir, ...

## BUSINESS ENTITY – INDIVIDUALIDENTIFICATION

Identifiers used to identify a person (passport, national identity card, driver's license, social security number, birth certificate).

### Attributes

Name	Type	Multiplicity	Description
identificationId	String	1	identifier
issuingAuthority	String	0..1	Authority which has issued the identifier (social

			security, town hall ...).
issuingDate	DateTime	0..1	Date at which the identifier was issued.
type	String	1	Identification type (passport, national identity card, driver's license, social security number, birth certificate).

## BUSINESS ENTITY – OTHERINDIVIDUALNAME

To keep track other names (for example the old name of a woman before marriage or an artist name).

### Attributes

Name	Type	Multiplicity	Description
familyName	String	0..1	Last name
formattedName	String	0..1	A formatted name useful for specific contexts (Chinese, Japanese, Korean, ...).
fullName	String	0..1	Full name flatten (first, middle, and last names).
givenName	String	0..1	First name
middleName	String	0..1	Middle name
title	String	0..1	Useful for titles (aristocratic, social, ...): Pr, Dr, Sir, ...
validFor	TimePeriod	0..1	The period for which the other name is valid.

## BUSINESS ENTITY – PARTIALUPDATEINDIVIDUAL

An Individual represents a physical person.

### Attributes

Name	Type	Multiplicity	Description
birthDate	DateTime	0..1	Birth date
characteristic	Characteristic	0..*	Allows to describes individual hobbies, center of interests, ...
contactMedium	ContactMedium	0..*	Indicates the contact medium that could be used to contact the individual.
countryOfBirth	String	0..1	The country of birth
deathDate	DateTime	0..1	Death date
disability	Disability	0..*	List of disabilities (such as blind, motor-handicapped, ...). Indicates lack or inadequate strength or ability.
externalReference	ExternalRef	0..*	External reference to manage touch points to external OTT identifiers for the person (facebook, google+, ...).
familyName	String	1	Last name
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givenName	String	1	First name
individualIdentification	IndividualIdentification	0..*	Identifiers used to identify a person (passport, national identity card, driver's license, social security number, birth certificate).
location	String	0..1	Temporary current location of the party (may be used if the party has approved its sharing).
maritalStatus	String	0..1	Marital status (married, divorced, widow, ...)
middleName	String	0..1	Middle name

nationality	String	0..1	Nationality
otherName	OtherIndividualName	0..*	To keep track other names (for example the old name of a woman before marriage or an artist name).
placeOfBirth	String	0..1	An hyperlink to the place of birth
relatedParty	RelatedPartyRef	0..*	Defines party or partyRole related to an individual.
status	String	0..1	Status of the individual - initialized, validated, deceased.
title	String	0..1	Useful for titles (aristocratic, social, ...) : Pr, Dr, Sir, ...

**Business Rules**

Name	Severity	Specification	Message
can be updated		[gender countryOfBirth nationality maritalStatus disability deathDate characteristic title givenName familyName middleName fullName formattedName otherName location status - initialized, validated, deceased individualIdentification externalReference relatedParty contactMedium]	
mandatory attributes		[disability characteristic (name and value are mandatory) individualIdentification (type and identificationId must be set) externalReference (type and href must be set) relatedParty (role and href are mandatory) relatedParty Patching Default Values - validFor.startDateTime is not mandatory is set to sysdate by default]	

## ORGANIZATION

Organization represents a group of people identified by shared interests or purpose. Examples include business, department, and enterprise. Because of the complex nature of many businesses, both organizations and organization units are represented by the same data.

Main organization attributes are its identifier, type, legal entity, date of creation and cessation, trading name and type, other name, organization identifier, related parties and organization relationships (Parent and Child).

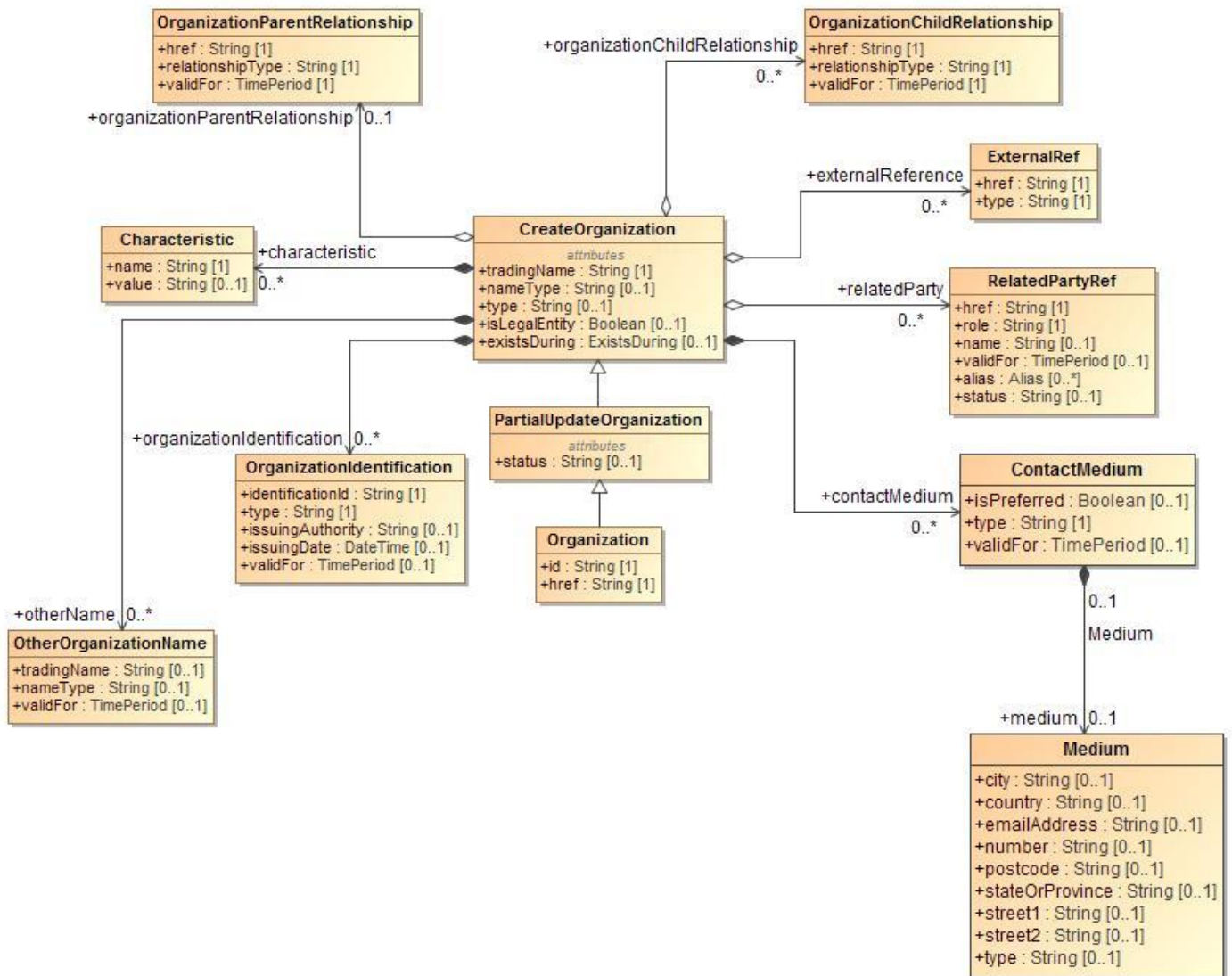


Figure 3. Organization

## BUSINESS ENTITY – CREATEORGANIZATION

### Attributes

Name	Type	Multiplicity	Description
characteristic	Characteristic	0..*	Describes the characteristics of the organization.
contactMedium	ContactMedium	0..*	Indicates the contact medium that could be

			used to contact the organization.
existsDuring	ExistsDuring	0..1	Details the establishment of the organization and its cessation
externalReference	ExternalRef	0..*	External reference to manage touch points to external OTT identifiers for the person (facebook, google+, ...).
isLegalEntity	Boolean	0..1	To tag if the organization is a legal entity known by national referential
nameType	String	0..1	Co., Inc., Ltd., Pty Ltd. , Plc., Gmbh
organizationChildRelationship	OrganizationChildRelationship	0..*	Links between organizations - useful to describe an organization structure between headquarters, affiliates, ...
organizationIdentification	OrganizationIdentification	0..*	Represents our registration of information used as proof of identity by an organization.
organizationParentRelationship	OrganizationParentRelationship	0..1	Represents the links between organizations - useful to describe an organization structure between headquarters, affiliates, ... It indicates the parent of the organization.
otherName	OtherOrganizationName	0..*	To keep track of other names (for example the old name of a company before renaming).
relatedParty	RelatedPartyRef	0..*	Defines party or partyRole linked to an organization.
tradingName	String	1	The name that the organization (unit) trades under
type	String	0..1	Type of Organization (Company, ...)

## BUSINESS ENTITY – EXISTS DURING

### Attributes

Name	Type	Multiplicity	Description
endDate	DateTime	1	
startDate	DateTime	1	

## BUSINESS ENTITY – ORGANIZATION

Represents a group of people identified by shared interests or purpose. Because of the complex nature of many businesses, both organizations and organization units are represented by the same business entity in this model.

### Attributes

Name	Type	Multiplicity	Description
characteristic	Characteristic	0..*	Describes the characteristics of the organization.
contactMedium	ContactMedium	0..*	Indicates the contact medium that could be used to contact the organization.
existsDuring	ExistsDuring	0..1	Details the establishment of the organization and its cessation
externalReference	ExternalRef	0..*	External reference to manage touch points to external OTT identifiers for the person (facebook, google+, ...).
href	String	1	Reference to organization
id	String	1	Unique identifier for the organization
isLegalEntity	Boolean	0..1	To tag if the organization is a legal entity known by national referential
nameType	String	0..1	Co., Inc., Ltd., Pty Ltd. , Plc., Gmbh
organizationChildRelation	OrganizationChildRel	0..*	Links between organizations - useful to

ship	ationship		describe an organization structure between headquarters, affiliates, ...
organizationIdentification	OrganizationIdentifica tion	0..*	Represents our registration of information used as proof of identity by an organization.
organizationParentRelatio nship	OrganizationParentR elationship	0..1	Represents the links between organizations - useful to describe an organization structure between headquarters, affiliates, ... It indicates the parent of the organization.
otherName	OtherOrganizationNa me	0..*	To keep track of other names (for example the old name of a company before renaming).
relatedParty	RelatedPartyRef	0..*	Defines party or partyRole linked to an organization.
status	String	0..1	Status of the organization - initialized, validated, closed.
tradingName	String	1	The name that the organization (unit) trades under
type	String	0..1	Type of Organization (Company, ...)

## BUSINESS ENTITY – ORGANIZATIONCHILDRELATIONSHIP

Links between organizations : useful to describe an organization structure between headquarters, affiliates, ...

### Attributes

Name	Type	Multiplicity	Description
href	String	1	Reference of the child organization.
relationshipType	String	1	Juridical, hierarchical, geographical, functional ...
validFor	TimePeriod	1	The time period the relationship is valid.

## BUSINESS ENTITY – ORGANIZATIONIDENTIFICATION

Represents our registration of information used as proof of identity by an organization.

### Attributes

Name	Type	Multiplicity	Description
identificationId	String	1	Identifier
issuingAuthority	String	0..1	Authority which has issued the identifier (chamber of commerce ...)
issuingDate	DateTime	0..1	Date at which the identifier was issued.
type	String	1	Type of identification information used to identify the company in a country or internationally.
validFor	TimePeriod	0..1	The period for which the identification information is valid.

## BUSINESS ENTITY – ORGANIZATIONPARENTRELATIONSHIP

Represents the links between organizations: useful to describe an organization structure between headquarters, affiliates, ... It indicates the parent of the organization.

### Attributes

Name	Type	Multiplicity	Description
href	String	1	Reference of the parent organization.



relationshipType	String	1	Juridical, hierarchical, geographical, functional ...
validFor	TimePeriod	1	The time period the relationship is valid.

## BUSINESS ENTITY – OTHERORGANIZATIONNAME

To keep track of other names (for example the old name of a company before renaming).

### Attributes

Name	Type	Multiplicity	Description
nameType	String	0..1	Co., Inc., Ltd., Pty Ltd., Plc., Gmbh
tradingName	String	0..1	The name that the organization trades under.
validFor	TimePeriod	0..1	The period for which the other name is valid.

## BUSINESS ENTITY – PARTIALUPDATEORGANIZATION

### Attributes

Name	Type	Multiplicity	Description
characteristic	Characteristic	0..*	Describes the characteristics of the organization.
contactMedium	ContactMedium	0..*	Indicates the contact medium that could be used to contact the organization.
existsDuring	ExistsDuring	0..1	Details the establishment of the organization and its cessation
externalReference	ExternalRef	0..*	External reference to manage touch points to external OTT identifiers for the person (facebook, google+, ...).
isLegalEntity	Boolean	0..1	To tag if the organization is a legal entity known by national referential
nameType	String	0..1	Co., Inc., Ltd., Pty Ltd. , Plc., Gmbh
organizationChildRelationship	OrganizationChildRelationship	0..*	Links between organizations - useful to describe an organization structure between headquarters, affiliates, ...
organizationIdentification	OrganizationIdentification	0..*	Represents our registration of information used as proof of identity by an organization.
organizationParentRelationship	OrganizationParentRelationship	0..1	Represents the links between organizations - useful to describe an organization structure between headquarters, affiliates, ... It indicates the parent of the organization.
otherName	OtherOrganizationName	0..*	To keep track of other names (for example the old name of a company before renaming).
relatedParty	RelatedPartyRef	0..*	Defines party or partyRole linked to an organization.
status	String	0..1	Status of the organization - initialized, validated, closed.
tradingName	String	1	The name that the organization (unit) trades under
type	String	0..1	Type of Organization (Company, ...)

### Business Rules

Name	Severity	Specification	Message
can be updated		[isLegalEntity type existsDuring	

		status - initialized, validated, closed tradingName nameType otherName characteristic organizationIdentification externalReference relatedParty organizationParentRelationship organizationChildRelationship contactMedium]	
mandatory attributes		[characteristic Patching Mandatory Values - name and value organizationIdentification Patching Mandatory Values - type and identificationId externalReference Patching Mandatory Values - type and href relatedParty Patching Mandatory Values - role and href relatedParty Patching Default Values - validFor.startDateTime is not mandatory is set to sysdate by default]	

**PARTY COMMON****BUSINESS ENTITY – EXTERNALREF**

External reference to manage touch points to external OTT identifiers for the person (facebook, google+, ...).

**Attributes**

<b>Name</b>	<b>Type</b>	<b>Multiplicity</b>	<b>Description</b>
href	String	1	Reference to external reference
type	String	1	External reference type

## COMMON BUSINESS ENTITIES

### BUSINESS ENTITY – ALIAS

#### Attributes

Name	Type	Multiplicity	Description
type	String		
value	String		

### BUSINESS ENTITY – ARRAYUPDATE

Used to partially update an array

#### Attributes

Name	Type	Multiplicity	Description
op	String		Operation to be performed on the array - test, remove, add, replace, move, copy
path	String		The reference to the array to be modified
value	String		

### BUSINESS ENTITY – BILLINGACCOUNTREF

BillingAccount to use to bill the ordered products.

#### Attributes

Name	Type	Multiplicity	Description
href	String	1	Reference of the billing account.

### BUSINESS ENTITY – CHARACTERISTIC

Describes the characteristics of the individual or the organization such as individual hobbies, center of interests.

#### Attributes

Name	Type	Multiplicity	Description
name	String	1	Name of the characteristic.
value	String	0..1	Value of the characteristic.

### BUSINESS ENTITY – CONTACTMEDIUM

Describes the contact mediums that could be used to contact the customer (Email, TelephoneNumber, PostalAddress).

#### Attributes

Name	Type	Multiplicity	Description
isPreferred	Boolean	0..1	If true, indicates that is the preferred contact medium.
medium	Medium	0..1	Describes the contact medium that can be

			used to contact the customer.
type	String	1	Email address, telephone number, postal address, etc.
validFor	TimePeriod	0..1	The time period that the contact medium is valid for.

## BUSINESS ENTITY – CREATELISTENER

### Attributes

Name	Type	Multiplicity	Description
callback	String		Callback address of the listener
query	String		

## BUSINESS ENTITY – CREDENTIAL

### Attributes

Name	Type	Multiplicity	Description
login	String		
password	String		
updateType	String		

## BUSINESS ENTITY – HEADER

### Attributes

Name	Type	Multiplicity	Description
key	String		URL Parameter Key e.g., Content-Type
value	String		Value e.g., application/json, application/xml

## BUSINESS ENTITY – LISTENER

### Attributes

Name	Type	Multiplicity	Description
callback	String		Callback address of the listener
href	String	1	Reference to the listener
id	String	1	
query	String		

## BUSINESS ENTITY – MEDIUM

Describes the contact medium that can be used to contact the customer.

### Attributes

Name	Type	Multiplicity	Description
city	String	0..1	
country	String	0..1	
emailAddress	String	0..1	Full e-mail address in standard format (e.g., fred.bloggs@thing.com)

number	String	0..1	Phone number
postcode	String	0..1	Postcode
stateOrProvince	String	0..1	State or province
street1	String	0..1	Describes the street
street2	String	0..1	Complementary street description
type	String	0..1	Type of medium (fax, mobile phone...)

## BUSINESS ENTITY – MONEY

A base / value business entity used to represent money

### Attributes

Name	Type	Multiplicity	Description
amount	Float	1	A positive floating point number.
currencyCode	String	1	Currency. Notes: refer to [ISO 4217]
digits	Integer	0..1	Number of digits to the right of the decimal point

## BUSINESS ENTITY – NOTE

Extra-information about an entity (e.g. useful to add extra delivery information that could be useful for a human process : a digicode access to a building, ...).

### Attributes

Name	Type	Multiplicity	Description
author	String	0..1	Author of the note
date	DateTime	0..1	Date of the note
text	String	1	Text of the note

## BUSINESS ENTITY – PAYMENTMEANREF

### Attributes

Name	Type	Multiplicity	Description
href	String	1	Reference of the payment means
name	String	0..1	Name of the payment means

## BUSINESS ENTITY – PERIOD

defines the period of a recurring charge

### Attributes

Name	Type	Multiplicity	Description
endPeriod	DateTime	0..1	End date of the period
startPeriod	DateTime	1	Start date of the period

### Business Rules

Name	Severity	Specification	Message
StartPeriod Before EndPeriod	error	[startPeriod.before(endPeriod) or startPeriod = endPeriod]	The start period must be on or before the end period.

## BUSINESS ENTITY – PLACEREF

Used to defined a place useful for the entity (for example a delivery geographical place).

### Attributes

Name	Type	Multiplicity	Description
href	String	1	Reference of a place (for instance in Google map).
role	String	1	Role of the place (for instance delivery geographical place).

## BUSINESS ENTITY – RELATEDPARTYREF

Defines party or partyRole linked to a specific entity. Used to represent an association between a resource and a party or role object playing a role regarding that object.

### Attributes

Name	Type	Multiplicity	Description
alias	Alias	0..*	
href	String	1	Reference to the related party.
name	String	0..1	Name of the related party.
role	String	1	Role of the related party.
status	String	0..1	The status of the relationship between the party and the related entity.
validFor	TimePeriod	0..1	The period for which the related party is valid.

## BUSINESS ENTITY – TIMEPERIOD

### Attributes

Name	Type	Multiplicity	Description
endTime	DateTime	0..1	
startTime	DateTime	1	

### Business Rules

Name	Severity	Specification	Message
Start DateTime Before End DateTime	error	[startTime.before(endDateTime) or startTime = endDateTime]	The start period must be on or before the end period.

## NOTIFICATION EVENT

Refer to Common Management Spec for details on how to Register and Unregister a Listener.

The notification events supported by Party Management are:

- o Individual create
- o Individual update
- o Individual delete
  
- o Organization create
- o Organization update
- o Organization delete

The Event is published to the registered listener

REST Example:  
POST client/listener



**INDIVIDUAL**

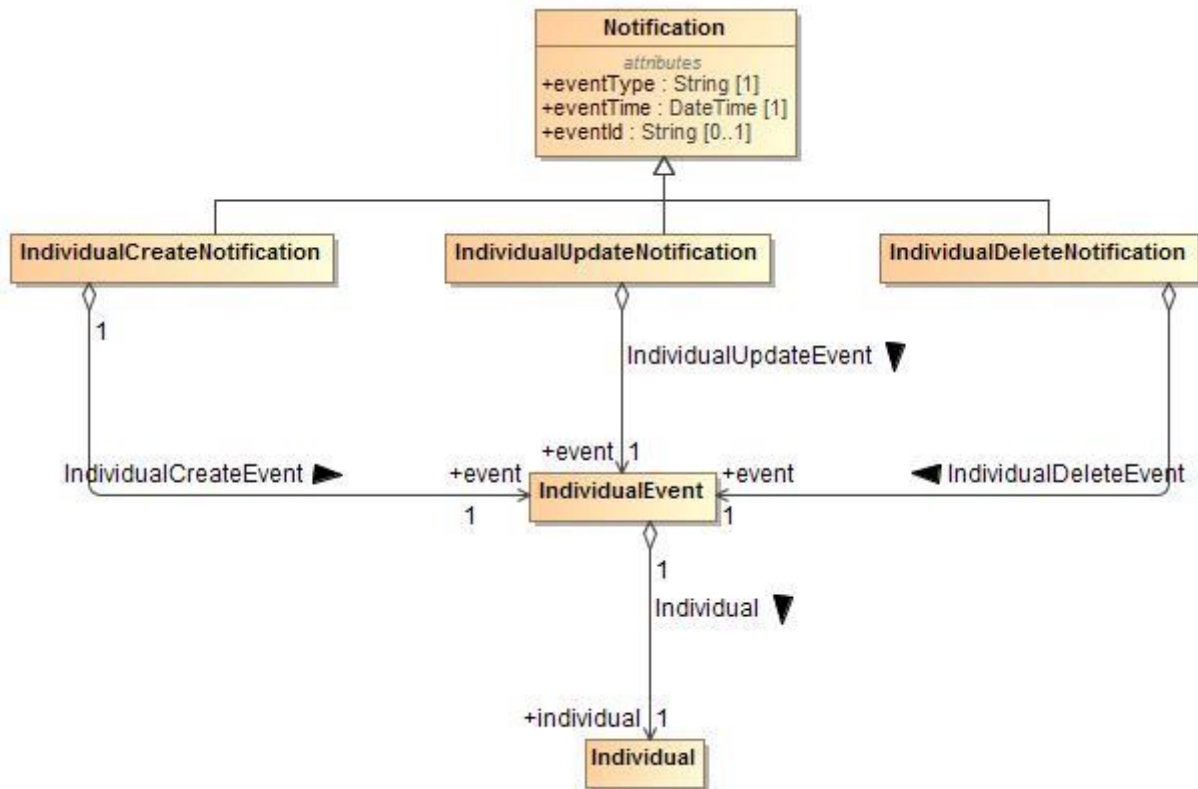


Figure 4. Individual Notification

**BUSINESS ENTITY – INDIVIDUALCREATENOTIFICATION**

Attributes

Name	Type	Multiplicity	Description
event	IndividualEvent	1	
eventId	String	0..1	Unique identifier of the event
eventTime	DateTime	1	
eventType	String	1	

**BUSINESS ENTITY – INDIVIDUALDELETENOTIFICATION**

Attributes

Name	Type	Multiplicity	Description
event	IndividualEvent	1	
eventId	String	0..1	Unique identifier of the event
eventTime	DateTime	1	
eventType	String	1	

**BUSINESS ENTITY – INDIVIDUALEVENT**

Attributes

Name	Type	Multiplicity	Description
individual	Individual	1	

## BUSINESS ENTITY – INDIVIDUALUPDATENOTIFICATION

### Attributes

Name	Type	Multiplicity	Description
event	IndividualEvent	1	
eventId	String	0..1	Unique identifier of the event
eventTime	DateTime	1	
eventType	String	1	

## ORGANIZATION

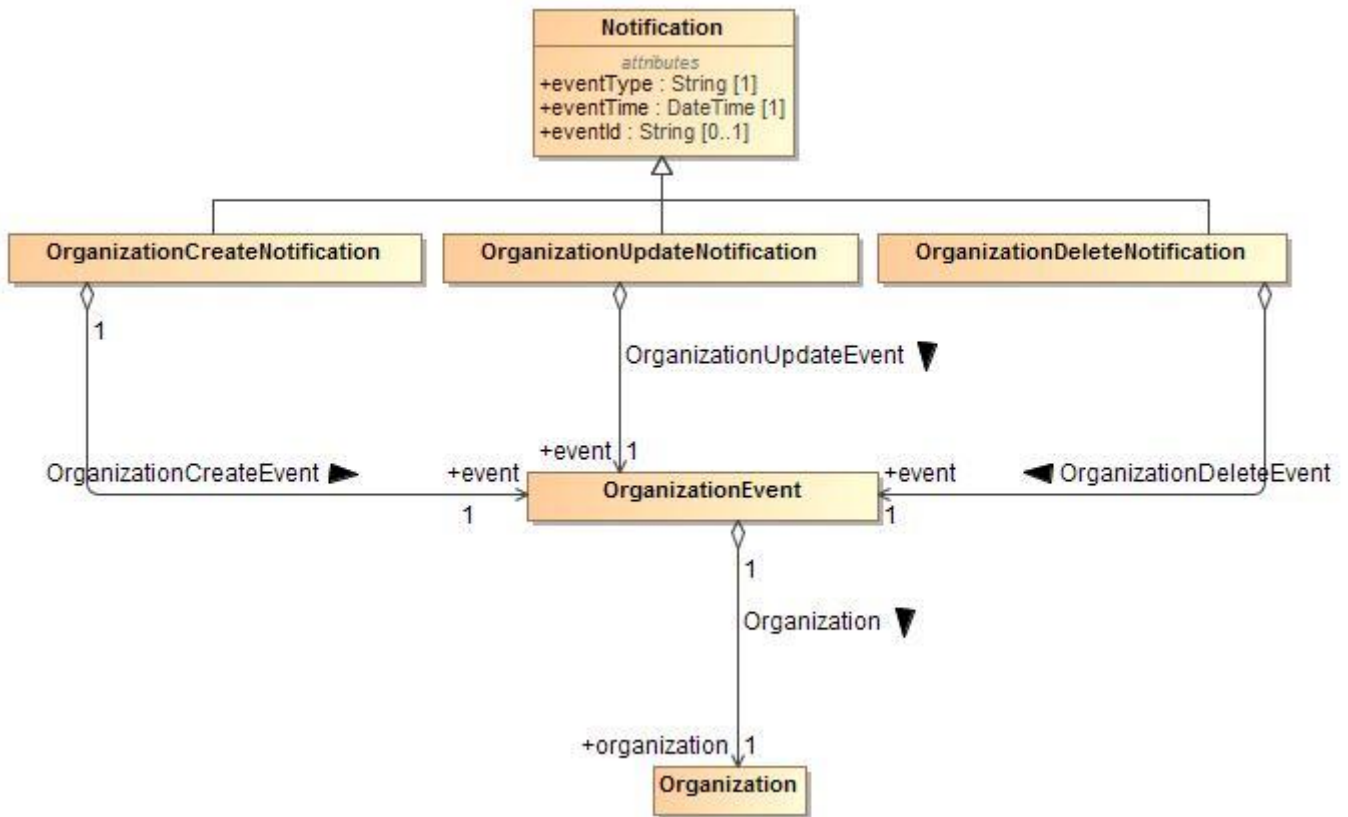


Figure 5. Organization Notification

### BUSINESS ENTITY – ORGANIZATIONCREATENOTIFICATION

#### Attributes

Name	Type	Multiplicity	Description
event	OrganizationEvent	1	
eventId	String	0..1	Unique identifier of the event
eventTime	DateTime	1	
eventType	String	1	

### BUSINESS ENTITY – ORGANIZATIONDELETENOTIFICATION

#### Attributes

Name	Type	Multiplicity	Description
event	OrganizationEvent	1	
eventId	String	0..1	Unique identifier of the event
eventTime	DateTime	1	
eventType	String	1	

### BUSINESS ENTITY – ORGANIZATIONEVENT

## Attributes

Name	Type	Multiplicity	Description
organization	Organization	1	

## BUSINESS ENTITY – ORGANIZATIONUPDATENOTIFICATION

## Attributes

Name	Type	Multiplicity	Description
event	OrganizationEvent	1	
eventId	String	0..1	Unique identifier of the event
eventTime	DateTime	1	
eventType	String	1	

**NOTIFICATION COMMON****BUSINESS ENTITY – NOTIFICATION**

## Attributes

<b>Name</b>	<b>Type</b>	<b>Multiplicity</b>	<b>Description</b>
eventId	String	0..1	Unique identifier of the event
eventTime	DateTime	1	
eventType	String	1	

## STATE MACHINE

### IndividualSM

An Individual represents a physical person.

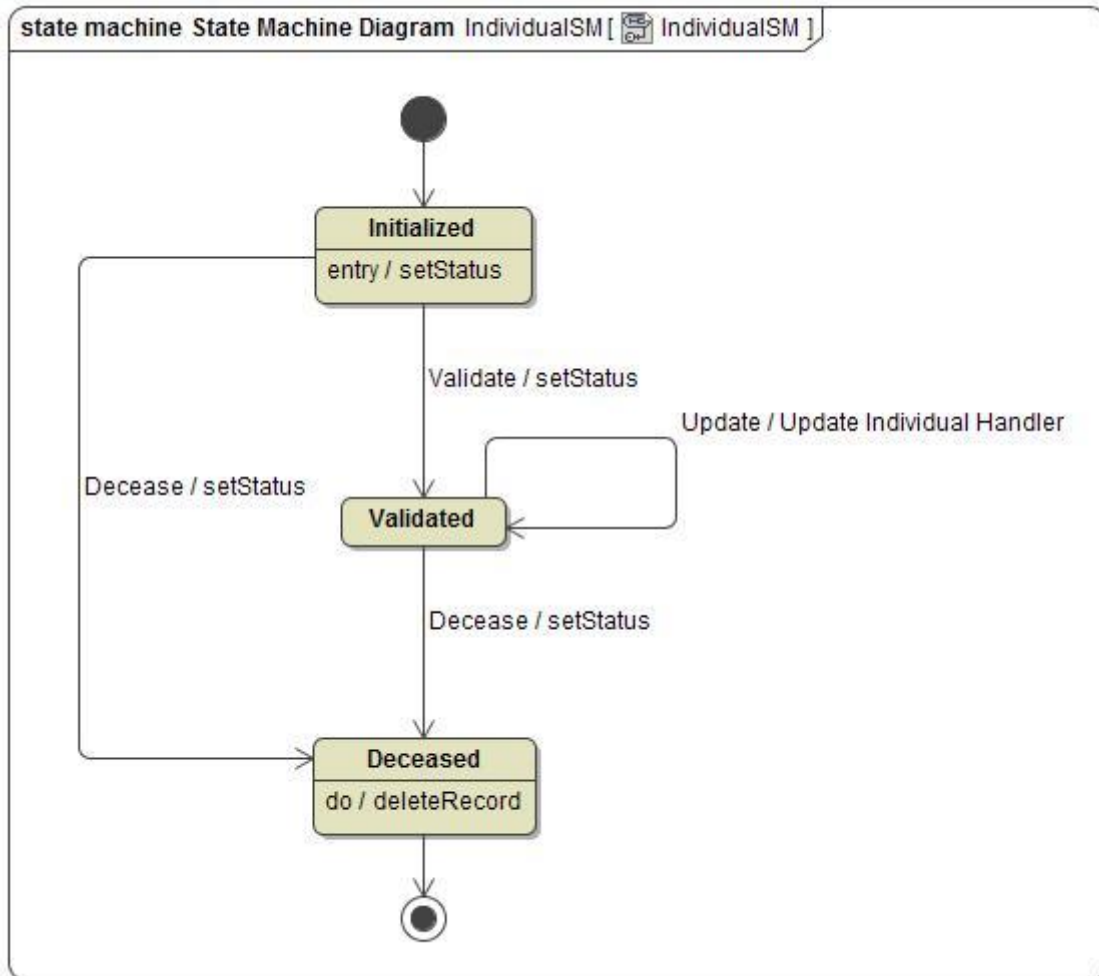


Figure 6. IndividualSM

Name	Description
Deceased	
Initialized	
Validated	

### OrganizationSM

An Individual represents a physical person.

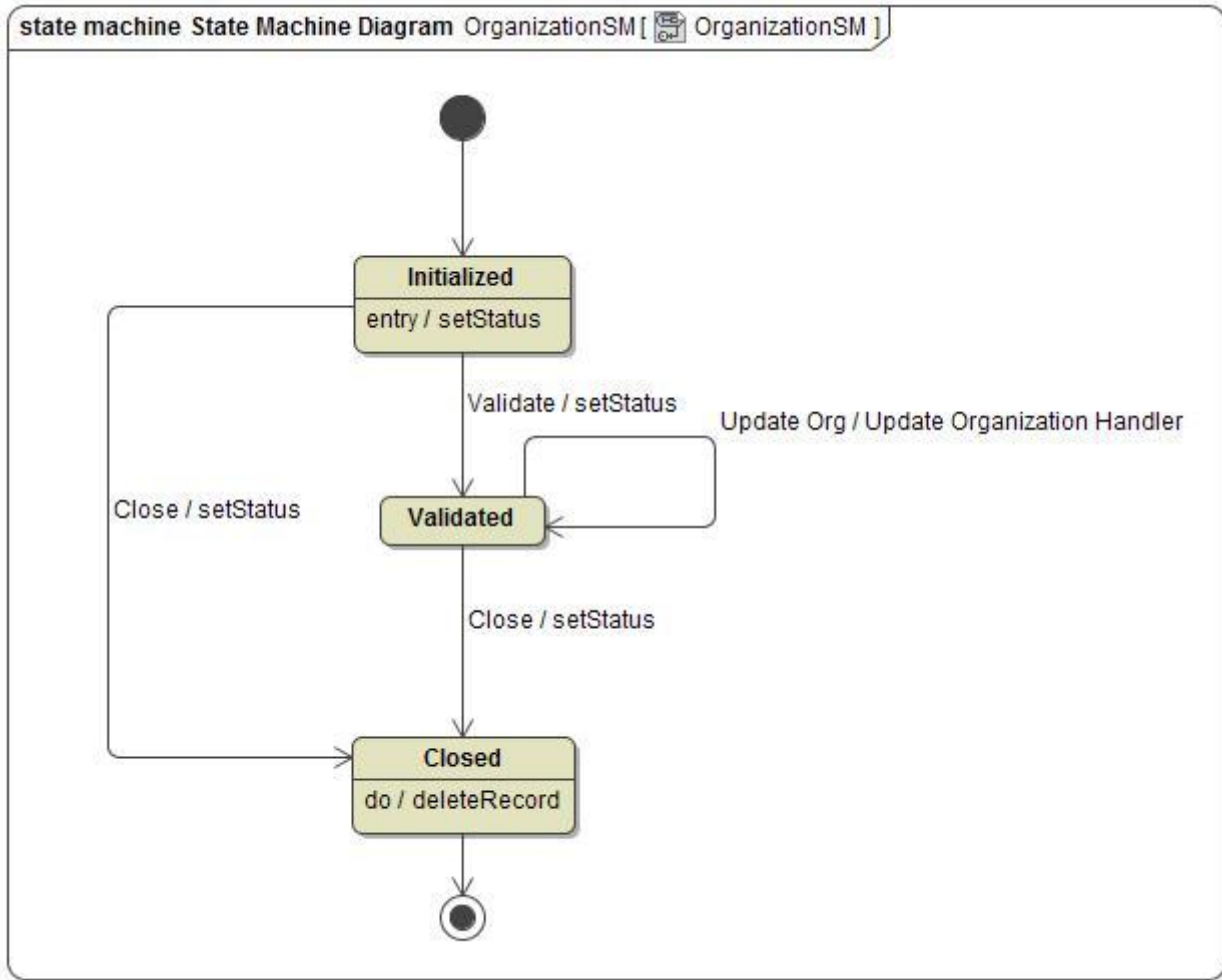


Figure 7. OrganizationSM

Name	Description
Closed	
Initialized	
Validated	

**PARTY MANAGEMENT BUSINESS SERVICES**

**BUSINESS SERVICE – INDIVIDUAL REST SERVICE**

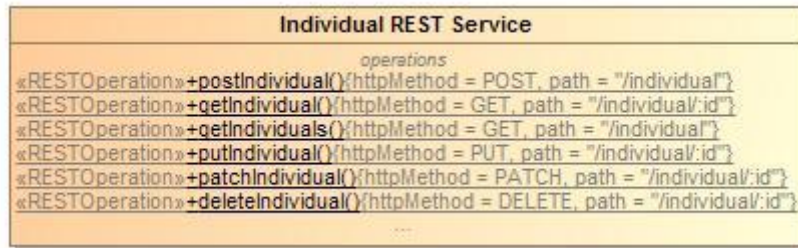


Figure 8. Individual Business Service

**OPERATION – POSTINDIVIDUAL**

**Description**

This operation creates an individual. Individual represents a single human being (a man, woman or child). The individual can be a customer, an employee or any other person that the organization needs to store information about.

**Business Rules**

Name	Severity	Specification	Message
mandatory attributes		[givenName familyName disability.disability  characteristic.name characteristic.value  individualIdentification.type individualIdentification.identificationId  externalReference.referenceType externalReference.reference  relatedParty.role relatedParty.ref relatedParty.validFor.startDateTime (not mandatory is set to sysdate by default)]	

**OPERATION – GETINDIVIDUAL**

**Description**

This operation retrieves an individual.

**Business Rules**

Name	Severity	Specification	Message
mandatory attributes		[id]	



**OPERATION – GETINDIVIDUALS**

**Description**

This operation retrieves a collection of individuals.

**OPERATION – PUTINDIVIDUAL**

**Description**

This operation fully updates an individual.

**Business Rules**

Name	Severity	Specification	Message
mandatory attributes		[id]	

**OPERATION – PATCHINDIVIDUAL**

**Description**

This operation partially updates an individual.

**Business Rules**

Name	Severity	Specification	Message
can be updated		[gender countryOfBirth nationality maritalStatus disability deathDate characteristic title givenName familyName middleName fullName formattedName otherName location status - initialized, validated, deceased individualIdentification externalReference relatedParty contactMedium]	
mandatory attributes		[disability characteristic (name and value are mandatory) individualIdentification (type and identificationId must be set) externalReference (type and href must be set) relatedParty (role and href are mandatory) relatedParty Patching Default Values - validFor.startDateTime is not mandatory is set to sysdate by default]	

**OPERATION – DELETEINDIVIDUAL**

**Description**

This operation deletes an individual.

**Business Rules**

Name	Severity	Specification	Message
mandatory attributes		[id]	

**BUSINESS SERVICE – ORGANIZATION REST SERVICE**

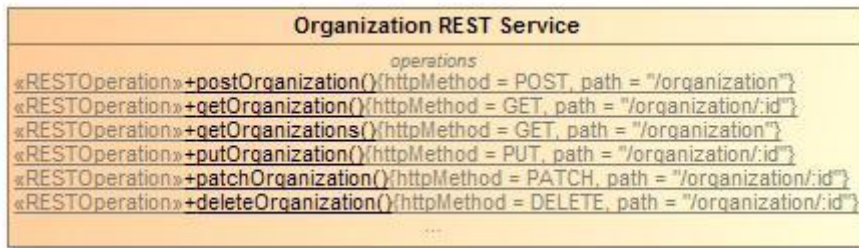


Figure 9. Organization Business Service

**OPERATION – POSTORGANIZATION**

**Description**

This operation creates an organization. Organization represents a group of people identified by shared interests or purpose. Examples include business, department, and enterprise. Because of the complex nature of many businesses, both organizations and organization units are represented by the same data.

**Business Rules**

Name	Severity	Specification	Message
mandatory attributes		[tradingName  characteristic.name characteristic.value  organizationIdentification.type organizationIdentification.identificationId  externalReference.referenceType externalReference.reference  relatedParty.role relatedParty.ref relatedParty.validFor.startDateTime (not mandatory is set to sysdate by default)]	

**OPERATION – GETORGANIZATION**

**Description**

This operation retrieves an organization.

**Business Rules**

Name	Severity	Specification	Message
mandatory attributes		[id]	

**OPERATION – GETORGANIZATIONS**

**Description**

This operation retrieves a collection of organizations.

**OPERATION – PUTORGANIZATION**

**Description**

This operation fully updates an organization.

**Business Rules**

Name	Severity	Specification	Message
mandatory attributes		[id]	

**OPERATION – PATCHORGANIZATION**

**Description**

This operation partially updates an organization.

**Business Rules**

Name	Severity	Specification	Message
can be updated		[isLegalEntity type existsDuring status - initialized, validated, closed tradingName nameType otherName characteristic organizationIdentification externalReference relatedParty organizationParentRelationship organizationChildRelationship contactMedium]	
mandatory attributes		[characteristic Patching Mandatory Values - name and value organizationIdentification Patching Mandatory Values - type and identificationId externalReference Patching Mandatory Values - type and href relatedParty Patching Mandatory Values - role and href relatedParty Patching Default Values - validFor.startDateTime is not mandatory is set to sysdate by default]	

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**OPERATION – DELETEORGANIZATION****Description**

This operation deletes an organization.

**Business Rules**

Name	Severity	Specification	Message
mandatory attributes		[id]	

## HUB BUSINESS SERVICE

The notification events supported by Party Management are:

- o Individual create
- o Individual update
- o Individual delete
  
- o Organization create
- o Organization update
- o Organization delete

The Event is published to the registered listener

REST Example:  
POST client/listener

## BUSINESS SERVICE – INDIVIDUAL HUB REST SERVICE

### OPERATION – REGISTERINDIVIDUALLISTENER

#### Description

This operation is used to register an Individual listener to be notified of the following events: Individual create, Individual update and Individual delete.

#### Business Rules

Name	Severity	Specification	Message
mandatory attributes		[description severity type]	

### OPERATION – UNREGISTERINDIVIDUALLISTENER

#### Description

This operation is used to unregister an Individual listener

#### Business Rules

Name	Severity	Specification	Message
mandatory attributes		[description severity type]	

## BUSINESS SERVICE – ORGANIZATION HUB REST SERVICE

### OPERATION – REGISTERORGANIZATIONLISTENER

#### Description

This operation is used to register an Organization listener to be notified of the following events: Organization create, Organization update and Organization delete.

**Business Rules**

Name	Severity	Specification	Message
mandatory attributes		[description severity type]	

**OPERATION – UNREGISTERORGANIZATIONLISTENER**

**Description**

This operation is used to unregister an Organization listener

**Business Rules**

Name	Severity	Specification	Message
mandatory attributes		[description severity type]	