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Party Management API Conformance Profile

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Introduction – API Description

The following document is the specification of the REST API for Party Management. It includes the model definition as well as all available operations. Possible actions are creating, updating and retrieving parties (individuals or organizations), including filtering.

Party is an abstract concept that represents an individual (person) or an organization that has any kind of relation with the enterprise.

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

Party API manages the following data resource:

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.

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.

Party API performs the following operations on individuals and organizations:

- Retrieval of an individual or an organization
- List a collection of individuals or organization depending on filter criteria
- Partial update of an individual or an organization
- Creation of an individual or an organization
- Deletion of an individual or an organization
- Notification of events relating to an individual or an organization.

RESOURCE MODEL CONFORMANCE

API MANDATORY AND OPTIONAL RESOURCES

Resource Name	Mandatory or Optional	Comments
Individual	M	
Organization	M	

INDIVIDUAL API MANDATORY AND OPTIONAL ATTRIBUTES

The table below summarizes mandatory and optional attributes for resource "Individual".

Attribute Name	Mandatory or Optional	Comments
id	M (in response messages) O (otherwise)	Generated by the server and provided in the response upon resource creation. Not available in POST request.
href	M (in response messages) O (otherwise)	Url for the created resource. Generated by the server and provided in the response upon resource creation. Value in the response must be the same as the one set in location header provided upon entity creation. Not available in POST request.
aristocraticTitle	O	
birthDate	O	
countryOfBirth	O	
deathDate	O	

familyName	M	
familyNamePrefix	O	
formattedName	O	
fullName	O	
gender	O	
generation	O	
givenName	M	
legalName	O	
location	O	
maritalStatus	O	
middleName	O	
nationality	O	
placeOfBirth	O	
preferredGivenName	O	
title	O	
status	O	Only required in response messages from the server when providing the individual entity contents.
@baseType	O	
@type	O	
@schemaLocation	O	

externalReference		O	Array of external references
	externalReferenceType	M (if externalReference included) O (otherwise)	
	name	M (if externalReference included) O (otherwise)	
	@baseType	O	
	@type	O	
	@schemaLocation	O	
characteristic		O	Array of characteristics
	name	M (if characteristic included) O (otherwise)	
	value	M (if characteristic included) O (otherwise)	
	valueType	O	
	@baseType	O	
	@type	O	
	@schemaLocation	O	
otherName		O	Array of other names
	title	O	
	aristocraticTitle	O	
	generation	O	

	givenName	O	
	preferredGivenName	O	
	familyNamePrefix	O	
	familyName	O	
	legalName	O	
	middleName	O	
	fullName	O	
	formattedName	O	
	validFor	O	
	startDateTime	O	
	endDateTime	O	
	@baseType	O	
	@type	O	
	@schemaLocation	O	
	individualIdentification	O	Array of individual identifications
	identificationId	M (if individualIdentification included) O (otherwise)	
	identificationType	M (if individualIdentification included) O (otherwise)	

	issuingAuthority	0	
	issuingDate	0	
	validFor	0	
	@baseType	0	
	@type	0	
	@schemaLocation	0	
	attachment	0	Array of attachments
	id	0	
	href	0	
	attachmentType	0	
	description	0	
	isRef	0	
	mimeType	0	
	name	0	
	url	0	
	size	0	
	validFor	0	
	@baseType	0	
	@type	0	
	@schemaLocation	0	

	@referredType		
taxExemptionCertificate		O	Array of tax exemption certificates
	id	M (if taxExemptionCertificate included) O (otherwise)	
	validFor	O	
	@baseType	O	
	@type	O	
	@schemaLocation	O	
	taxDefinition	M (if taxExemptionCertificate included) O (otherwise)	Array of tax definitions
	id	M (if taxDefinition included) O (otherwise)	
	name	O	
	taxType	M (if taxDefinition included) O (otherwise)	
	@baseType	O	
	@type	O	
	@schemaLocation	O	
	@referredType	O	
	attachment	O	An attachment

	id	O	
	href	O	
	attachmentType	O	
	description	O	
	isRef	O	
	mimeType	O	
	name	O	
	url	O	
	size	O	
	validFor	O	
	@baseType	O	
	@type	O	
	@schemaLocation	O	
	@referredType		
	creditRating	O	Array of credit ratings
	creditAgencyName	M (if creditRating included) O (otherwise)	
	creditAgencyType	O	
	ratingReference	O	
	ratingScore	M (if creditRating included) O (otherwise)	

	validFor	O	
	@baseType	O	
	@type	O	
	@schemaLocation	O	
	O	Array of structures	
relatedParty		id	Array of related parties
	id	M (if relatedParty included) O (otherwise)	
	href	O	
	name	O	
	role	M (if relatedParty included) O (otherwise)	
	@baseType	O	
	@type	O	
	@schemaLocation	O	
	@referredType	O	
contactMedium		O	Array of contact mediums
	mediumType	O	
	preferred	O	
	validFor	O	

	@baseType	0	
	@type	0	
	@schemaLocation	0	
	characteristic	0	Medium characteristics
	city	0	
	country	0	
	emailAddress	0	
	faxNumber	0	
	phoneNumber	0	
	postcode	0	
	socialNetworkId	0	
	stateOrProvince	0	
	street1	0	
	street2	0	
	type	0	
	@baseType	0	
	@type	0	
	@schemaLocation	0	
	disability	0	Array of disabilities
	disabilityCode	M (if disability included)	

		O (otherwise)	
	disabilityName	M (if disability included) O (otherwise)	
	validFor	O	
	@baseType	O	
	@type	O	
	@schemaLocation	O	
	languageAbility	O	Array of language abilities
	languageCode	M (if language ability included) O (otherwise)	
	languageName	M (if language ability included) O (otherwise)	
	isFavouriteLanguage	O	
	writingProficiency	O	
	readingProficiency	O	
	speakingProficiency	O	
	listeningProficiency	O	
	validFor	O	
	@baseType	O	
	@type	O	
	@schemaLocation	O	

	O	Array of structures	
Skill		O	Array of skills
	skillCode	M (if skill included) O (otherwise)	
	skillName	M (if skill included) O (otherwise)	
	evaluatedLevel	O	
	comment	O	
	validFor	O	
	@baseType	O	
	@type	O	
	@schemaLocation	O	

ORGANIZATION API MANDATORY AND OPTIONAL ATTRIBUTES

The table below summarizes mandatory and optional attributes for resource "Organization".

Attribute Name	Mandatory or Optional	Comments
id	M (in response messages) O (otherwise)	Generated by the server and provided in the response upon resource creation. Not available in POST request.
href	M (in response messages) O (otherwise)	Url for the created resource. Generated by the server and provided in the response upon resource creation. Value in the response must be the same as the one set in

			location header provided upon entity creation. Not available in POST request.
isHeadOffice		O	
isLegalEntity		O	
name		O	
nameType		O	
organizationType		O	
tradingName		M	
existsDuring		O	
	startDateTime	O	
	endDateTime	O	
status		O	Only required in response messages from the server when providing the individual entity contents.
@baseType		O	
@type		O	
@schemaLocation		O	
externalReference		O	Array of external references
	externalReferenceType	M (if externalReference included) O (otherwise)	
	name	O M (if externalReference included)	

		O (otherwise)	
	@baseType	O	
	@type	O	
	@schemaLocation	O	
characteristic		O	Array of characteristics
	name	M (if characteristic included) O (otherwise)	
	value	M (if characteristic included) O (otherwise)	
	valueType	O	
	@baseType	O	
	@type	O	
	@schemaLocation	O	
otherName		O	Array of other names
	nameType	O	
	tradingName	O	
	name	O	
	validFor	O	
	startDateTime	O	
		endDateTime	O
	@baseType	O	

	@type	O	
	@schemaLocation	O	
	organizationIdentification	O	Array of organization identifications
	identificationId	M (if organizationIdentification included) O (otherwise)	
	identificationType	M (if organizationIdentification included) O (otherwise)	
	issuingAuthority	O	
	issuingDate	O	
	validFor	O	
	startDateTime	O	
	endDateTime	O	
	@baseType	O	
	@type	O	
	@schemaLocation	O	
	attachment	O	Array of attachments
	id	O	
	href	O	
	attachmentType	O	

	description	O	
	isRef	O	
	mimeType	O	
	name	O	
	url	O	
	size	O	
	validFor	O	
	@baseType	O	
	@type	O	
	@schemaLocation	O	
	@referredType	O	
taxExemptionCertificate		O	Array of tax exemption certificates
	id	M (if taxExemptionCertificate included) O (otherwise)	
	validFor	O	
	@baseType	O	
	@type	O	
	@schemaLocation	O	
	taxDefinition	M (if taxExemptionCertificate included)	Array of tax definitions

		O (otherwise)	
	id	M (if taxDefinition included) O (otherwise)	
	name	O	
	taxType	O	
	@baseType	O	
	@type	O	
	@schemaLocation	O	
	@referredType	O	
	attachment	O	An attachment
	id	O	
	href	O	
	attachmentType	O	
	description	O	
	isRef	O	
	mimeType	O	
	name	O	
	url	O	
	size	O	
	validFor	O	
	@baseType	O	

	@type	O	
	@schemaLocation	O	
	@referredType	O	
creditRating		O	Array of credit ratings
	creditAgencyName	M (if creditRating included) O (otherwise)	
	creditAgencyType	O	
	ratingReference	O	
	ratingScore	M (if creditRating included) O (otherwise)	
	validFor	O	
	@baseType	O	
	@type	O	
	@schemaLocation	O	
relatedParty		O	Array of related parties
	id	M (if relatedParty included) O (otherwise)	
	href	O	
	name	O	
	role	M (if relatedParty included) O (otherwise)	

	@baseType	0	
	@type	0	
	@schemaLocation		
	@referredType	0	
contactMedium		0	Array of contact mediums
	preferred	0	
	mediumType	0	
	validFor	0	
	startDateTime	0	
	endDateTime	0	
	@baseType	0	
	@type	0	
	@schemaLocation	0	
characteristic		0	Contact medium characteristics
	city	0	
	country	0	
	emailAddress	0	
	type	0	
	faxNumber	0	
	phoneNumber	0	

	postcode	O	
	socialNetworkId	O	
	stateOrProvince	O	
	street1	O	
	street2	O	
	@baseType	O	
	@type	O	
	@schemaLocation	O	
organizationParentRelationship		O	A relationship with a parent organization
	relationshipType	M (if organizationParentRelationship included) O (otherwise)	
	@baseType	O	
	@schemaLocation	O	
	@type	O	
	organization	M (if organizationParentRelationship included) O (otherwise)	
	id	M (if organizationParentRelationship included) O (otherwise)	

	href	O	
	@baseType	O	
	@schemaLocation	O	
	@type	O	
	@referredType	O	
organizationChildRelationship			An array of relationships with child organizations
	relationshipType	M (if organizationChildRelationship included) O (otherwise)	
	@baseType	O	
	@schemaLocation	O	
	@type	O	
	organization	M (if organizationChildRelationship included) O (otherwise)	
	id	M (if organizationChildRelationship included) O (otherwise)	
	href	O	
	@baseType	O	

	@schemaLocation	0	
	@type	0	
	@referredType	0	

NOTIFICATION MODEL CONFORMANCE

The Pub/Sub models are common and described in the TMF REST Design Guidelines.

API MANDATORY AND OPTIONAL NOTIFICATIONS

For the Notifications defined by the API fill the following table and indicate which ones are mandatory and which ones are optional.

Notification Name	Mandatory or Optional	Comments
IndividualCreateEventNotification	O	
IndividualAttributeValueChangeEventNotification	O	
IndividualStateChangeEventNotification	O	
IndividualDeleteEventNotification	O	
OrganizationCreateEventNotification	O	
OrganizationAttributeValueChangeEventNotification	O	
OrganizationStateChangeEventNotification	O	
OrganizationDeleteEventNotification	O	

All attributes of the resource associate with the notification are mandatory.

API OPERATIONS CONFORMANCE

API MANDATORY AND OPTIONAL OPERATIONS

The following table indicates which ones are mandatory and which ones are optional for each one of the resources in the API (default is for all resources).

Uniform API Operation	Mandatory/Optional	Comments
GET	M for resources: Individual Organization	GET must be used to retrieve a representation of a resource
POST	M for resources: Individual Organization	POST must be used to create a new resource
PUT	O for all resources	PUT must be used to update globally a resource
PATCH (JSON-MERGE)	O for all resources	PATCH must be used to partially update a resource
DELETE	M for resources: Individual Organization	DELETE must be used to remove a resource

API GET OPERATION CONFORMANCE

For every single resource use the following template to specify the mandatory and optional features supported by the GET operation.

Definitions

- Filtered Search:** A filtered search can be applied using query parameters in order to obtain only the resource entities that meet the criteria defined by the filtering parameters included in the query request. Several elements can be applied to the filtered search. In that case logic, a logical AND is applied to combine the criteria (e.g.:?familyName=<value> &status=<value>).
- Attribute selection (Filtered Response Data):** In order to apply a filter and limit the number of attributes included in the response, the GET request can include the “?fields=” query parameter. Several elements can be applied to the filter. In that case, a logical AND is applied to combine the values (e.g.:?fields=familyName,status) will provide in the response only the values assigned to attributes familyName and status. Attribute selection capabilities are the same for collections retrieval and individual resource queries.

All the GET operations in this API share the same status code pattern

GET	M	
Response Status Code 200	M	
Other Status Codes	NA	

/INDIVIDUAL?FIELDS=...&{FILTERING}

This operation list individual entities.

Attribute selection is mandatory for all first level attributes.

Filtering is mandatory for first compliance level (L1) and optional otherwise.

/INDIVIDUAL/{ID}?FIELDS=...&{FILTERING}

This operation retrieves an individual entity.

Attribute selection is mandatory for all first level attributes.

Filtering on sub-resources is optional for all compliance levels..

/ORGANIZATION?FIELDS=...&{FILTERING}

This operation list organization entities.

Attribute selection is mandatory for all first level attributes.

Filtering is mandatory for first compliance level (L1) and optional otherwise.

/ORGANIZATION/{ID}?FIELDS=...&{FILTERING}

This operation retrieves an organization entity.
Attribute selection is mandatory for all first level attributes.
Filtering on sub-resources is optional for all compliance levels..

API POST OPERATION CONFORMANCE

All the POST operations in this API share the same status code pattern

POST	M	
Response Status Code 201	M	
Other Status Codes	NA	

/INDIVIDUAL

This operation creates an individual entity.

Mandatory and Non Mandatory Attributes

The following tables provides the list of mandatory and non mandatory attributes when creating an individual, including any possible rule conditions and applicable default values. Notice that it is up to an implementer to add additional mandatory attributes.

POST request should be used without specifying following attributes (these attributes will be defined by server side) :

- id
- href
- status

Mandatory Attributes	Rule
givenName	
familyName	

Non Mandatory Attributes	Default Value	Rule
@baseType		
@type		
@schemaLocation		
gender		
placeOfBirth		
countryOfBirth		
nationality		
maritalStatus		
birthDate		
deathDate		
title		
aristocraticTitle		
generation		

Non Mandatory Attributes	Default Value	Rule
preferredGivenName		
familyNamePrefix		
legalName		
middleName		
fullName		
formattedName		
location		
externalReference		
characteristic		
otherName		
individualIdentification		
taxExemptionCertificate		
creditRating		
relatedParty		
contactMedium		
disability		
languageAbility		
skill		

/ORGANIZATION

This operation creates an organization entity.

Mandatory and Non Mandatory Attributes

The following tables provides the list of mandatory and non mandatory attributes when creating an organization, including any possible rule conditions and applicable default values. Notice that it is up to an implementer to add additional mandatory attributes.

POST request should be used without specifying following attributes (these attributes will be defined by server side):

- id
- href
- status

Mandatory Attributes	Rule
tradingName	

Non Mandatory Attributes	Default Value	Rule
@baseType		
@type		
@schemaLocation		
isLegalEntity		
isHeadOffice		
organizationType		

Non Mandatory Attributes	Default Value	Rule
existsDuring		
name		
nameType		
externalReference		
characteristic		
otherName		
organizationIdentification		
taxExemptionCertificate		
creditRating		
relatedParty		
contactMedium		
organizationParentRelationship		
organizationChildRelationship		

API PUT OPERATION CONFORMANCE

All the PUT operations in this API share the same status code pattern

PUT	O	
Response Status Code 200	M	
Other Status Codes	NA	

/INDIVIDUAL/{ID}

This operation completely updates an individual resource existing in the server.

Since PUT operation is optional and not included in the basic CONNECT certification this is not applicable in this conformance document

/ORGANIZATION/{ID}

This operation completely updates an organization resource existing in the server.

Since PUT operation is optional and not included in the basic CONNECT certification this is not applicable in this conformance document

API PATCH OPERATION CONFORMANCE

All the PATCH operations in this API share the same status code pattern

PATCH	O	
Response Status Code 200	M	
Other Status Codes	NA	

/INDIVIDUAL/{ID}

This operation allows partial updates of an individual 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

The tables below provide the list of patchable and non patchable attributes, including constraint rules on their usage.

Patchable Attributes	Default Value
gender	
nationality	
maritalStatus	
deathDate	
birthDate	
placeOfBirth	
countryOfBirth	
title	
aristocraticTitle	
generation	
givenName	
preferredGivenName	
familyNamePrefix	
familyName	
legalName	
middleName	
fullName	
formattedName	
location	
externalReference	

Patchable Attributes	Default Value
characteristic	
otherName	
individualIdentification	
taxExemptionCertificate	
creditRating	
relatedParty	
contactMedium	
disability	
languageAbility	
skill	

Non Patchable Attributes	Rule
id	
href	
@baseType	
@type	
@schemaLocation	

Since PATCH operation is optional and not included in the basic CONNECT certification this is not applicable in this conformance document.

/ORGANIZATION/{ID}

This operation allows partial updates of an organization 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

The tables below provide the list of patchable and non patchable attributes, including constraint rules on their usage.

Non Mandatory Attributes	Default Value
isLegalEntity	
isHeadOffice	
type	
existsDuring	
tradingName	
name	
nameType	
externalReference	
characteristic	
otherName	
organizationIdentification	
taxExemptionCertificate	
creditRating	

Non Mandatory Attributes	Default Value
relatedParty	
contactMedium	
organizationParentRelationship	
organizationChildRelationship	

Non Patchable Attributes	Rule
id	
href	
@baseType	
@type	
@schemaLocation	

Since PATCH operation is optional and not included in the basic CONNECT certification this is not applicable in this conformance document

API DELETE OPERATION CONFORMANCE

All the POST operations in this API share the same status code pattern

DELETE	O	
Response Status Code 204	M	
Other Status Codes	NA	

/INDIVIDUAL/{ID}

This operation deletes an individual entity.

/ORGANIZATION/{ID}

This operation deletes an organization entity.

API CONFORMANCE TEST SCENARIOS

This section describes the test scenarios required for the basic CONNECT certification of the API.

Test Cases must be executed in the order defined for each resource because the result from one of the scenarios will be input for the next one.

Requests must be addressed to the endpoint provided for certification, specifically they must be addressed to the URI defined by the concatenation of the {apiRoot} and the specific resource, where the {apiRoot} is defined as {serverRoot}/partyManagement/v4, where {serverRoot} defines the certification endpoint

INDIVIDUAL RESOURCE TEST CASES

Nominal Scenarios

TC_Ind_N1 – Create new individual with minimum required information

- Send a POST message to {apiRoot}/individual with the following contents in the BODY

```
{
  "givenName": "Jane",
  "familyName": "Lamborgizzia"
}
```

- Wait for a response from the server with the following characteristics:
 - Response Code 201-Created
 - Include a location header in the body set to /{apiRoot}/individual/{IND1} where {IND1} indicates the identifier assigned by the server to the new individual resource
 - The response message includes all mandatory attributes including id, href and status not sent in the original request).
 - The body of the response matches the values set in the original request.
- Send a GET message to /{apiRoot}/individual
- Wait for a response from the server with the following characteristics:
 - Response Code 200-OK
 - The body of the responses includes one individual resource with ID set to {IND1}, the same identifier as assigned by the server to the new resource created.
 - The response message includes all mandatory attributes.
 - The body of the response for the resource with identifier {IND1} matches the values set in the original request.
- Send a GET message to /{apiRoot}/individual/{IND1}
- Wait for a response from the server with the following characteristics:

- Response Code 200-OK

- The body of the responses includes one individual resource with ID set to {IND1}, the same identifier as assigned by the server to the new resource created.
- The response message includes all mandatory attributes.

The body of the response for the resource with identifier {IND1} matches the values set in the original request.

TC_Ind_N2 – Create new individual with minimum set of attributes supported by server

- Send a POST message to {apiRoot}/individual with the following contents in the BODY:

```
{
  "givenName": "Harry",
  "familyName": "Jones"
}
```

- Wait for a response from the server with the following characteristics:
 - Response Code 201-Created
 - Include a location header in the body set to /{apiRoot}/individual/{IND2} where {IND2} indicates the identifier assigned by the server to the new individual resource.
 - The response message includes all mandatory attributes (including id, href and status not sent in the original request).
 - The body of the response matches the values set in the original request.
- Send a GET message to /{apiRoot}/individual/{IND2}
- Wait for a response from the server with the following characteristics:
 - Response Code 200-OK
 - The body of the responses includes one individual resource with ID set to {IND2}, the same identifier as assigned by the server to the new resource created.
 - The response message includes all mandatory attributes.
 - The body of the response for the resource with identifier {IND2} matches the values set in the original request.

TC_Ind_N3 – Search for individuals with specific characteristics

- Send a GET message to {apiRoot}/individual
- Wait for a response from the server with the following characteristics:
 - Response Code 200-OK
 - The body of the responses includes at least two individual resources referring to {IND1} and {IND2}.
 - The response message includes all mandatory attributes.
 - The body of the response for the resource with each identifier matches the values set in the original request.
- Send a GET message to {apiRoot}/individual?familyName=Lamborghini
- Wait for a response from the server with the following characteristics:

- Response Code 200-OK
 - The body of the response includes one individual resource referring to {IND1} and there is no reference to individual resource {IND2}.
 - The response message includes all mandatory attributes.
 - The body of the response for the resource with identifier {IND1} matches the values set in the original request.
- Send a GET message to {apiRoot}/individual?givenName=Harry
 - Wait for a response from the server with the following characteristics:
 - Response Code 200-OK
 - The body of the response includes one individual resource referring to {IND2} and there is no reference to individual resource {IND1}.
 - The response message includes all mandatory attributes.
 - The body of the response for the resource with identifier {IND2} matches the values set in the original request.

TC_Ind_N4 – Filtered retrieval of individuals

- Send a GET message to {apiRoot}/individual/{IND1}?fields=familyName
- Wait for a response from the server with the following characteristics:
 - Response Code 200-OK
 - The body of the response includes one individual resource referring to {IND1} and including only the attribute familyName, matching the value in the original request.
- Send a GET message to {apiRoot}/individual/{IND2}?fields=givenName
- Wait for a response from the server with the following characteristics:
 - Response Code 200-OK
 - The body of the response includes one individual resource referring to {IND2} and including only the attribute givenName, matching the value in the original request.

Notice that this test case is using parameters "familyName" and "givenName" to filter the data included in the response but any other parameter could be used.

TC_Ind_N5 – Filtered Search and Filtered data response

- Send a GET message to {apiRoot}/individual/?familyName=Lamborghini&fields=givenName
- Wait for a response from the server with the following characteristics:
 - Response Code 200-OK

- The body of the response includes one individual resource referring to {IND1} and there is no reference to Individual resource {IND2}.
- The body of the response for the resource includes only attribute givenName, matching the givenName value in the corresponding original POST request.

Notice that this test case is using parameter "givenName" to filter the data included in the response but any other parameter could be used.

TC_Ind_N6 – Delete an existing individual resource

- Send a DELETE message to {apiRoot}/individual/{IND1}
- Wait for a response from the server with a response Code 204.
- Send a GET message to {apiRoot}/individual
- Wait for a response from the server with the following characteristics:
 - Response Code 200-OK
 - The body of the response includes one individual resource referring to {IND2} and there is no reference to Individual resource {IND1}.
 - The body of the response for the resource with identifier {IND2} matches the values in the corresponding original POST request.

Error Scenarios

TC_Ind_E1 – Unknown individual identifier

- Send a GET message to {apiRoot}/individual/{IND3}, where {IND3} does not match any of the identifiers previously created in the server.
- Wait for a response from the server with a Response Code 404 – Not Found.

TC_Ind_E2 – Invalid request – Missing mandatory parameter

- Send a POST message to {apiRoot}/individual with the following contents in the BODY:

```
{
  "givenName": "Tom"
}
```

Notice that the missing mandatory parameter in the request is `familyName`.
- Wait for an error response from the server indicating that the mandatory parameter is missing in the request.

ORGANIZATION RESOURCE TEST CASES

Nominal Scenarios

TC_Org_N1 – Create new organization with minimum required information

- Send a POST message to `{apiRoot}/organization` with the following contents in the BODY

```
{
  "tradingName": "Coffee Do Brazil Fair Trade"
}
```
- Wait for a response from the server with the following characteristics:
 - Response Code 201-Created
 - Include a location header in the body set to `/{apiRoot}/organization/{ORG1}` where `{ORG1}` indicates the identifier assigned by the server to the new organization resource
 - The response message includes all mandatory attributes including id, href and status not sent in the original request.
 - The body of the response matches the values set in the original request.
- Send a GET message to `/{apiRoot}/organization`
- Wait for a response from the server with the following characteristics:
 - Response Code 200-OK
 - The body of the responses includes one organization resource with ID set to `{ORG1}`, the same identifier as assigned by the server to the new resource created.
 - The response message includes all mandatory attributes.
 - The body of the response for the resource with identifier `{ORG1}` matches the values set in the original request.
- Send a GET message to `/{apiRoot}/organization/{ORG1}`
- Wait for a response from the server with the following characteristics:
 - Response Code 200-OK
 - The body of the responses includes one organization resource with ID set to `{ORG1}`, the same identifier as assigned by the server to the new resource created.
 - The response message includes all mandatory attributes.
 - The body of the response for the resource with identifier `{ORG1}` matches the values set in the original request.

TC_Org_N2 – Create new organization with minimum set of attributes supported by server

- Send a POST message to `{apiRoot}/organization` with the following contents in the BODY

```
{
  "tradingName": "International Telecom"
}
```

- }
 - Wait for a response from the server with the following characteristics:
 - Response Code 201-Created
 - Include a location header in the body set to `/{apiRoot}/organization/{ORG2}` where `{ORG2}` indicates the identifier assigned by the server to the new organization resource.
 - The response message includes all mandatory attributes (including id, href and status not sent in the original request).
 - The body of the response matches the values set in the original request.
 - Send a GET message to `/{apiRoot}/organization/{ORG2}`
 - Wait for a response from the server with the following characteristics:
 - Response Code 200-OK
 - The body of the responses includes one organization resource with ID set to `{ORG2}`, the same identifier as assigned by the server to the new resource created.
 - The response message includes all mandatory attributes.
 - The body of the response for the resource with identifier `{ORG2}` matches the values set in the original request.

TC_Org_N3 – Search for organizations with specific characteristics

- Send a GET message to `{apiRoot}/organization`
- Wait for a response from the server with the following characteristics:
 - Response Code 200-OK
 - The body of the responses includes at least two organization resources referring to `{ORG1}` and `{ORG2}`.
 - The response message includes all mandatory attributes.
 - The body of the response for the resource with each identifier matches the values set in the original request.
- Send a GET message to `{apiRoot}/organization?tradingName=Coffee%20Do%20Brazil%20Fair%20Trade`
- Wait for a response from the server with the following characteristics:
 - Response Code 200-OK
 - The body of the response includes one organization resource referring to `{ORG1}` and there is no reference to organization resource `{ORG2}`.
 - The response message includes all mandatory attributes.
 - The body of the response for the resource with identifier `{ORG1}` matches the values set in the original request.

TC_Org_N4 – Filtered retrieval of organizations

- Send a GET message to `{apiRoot}/organization/{ORG1}?fields=tradingName`

- Wait for a response from the server with the following characteristics:
 - Response Code 200-OK
 - The body of the response includes one organization resource referring to {ORG1} and including only the attribute tradingName, matching the value in the original request.

Notice that this test case is using parameter "tradingName" to filter the data included in the response but any other parameter could be used.

TC_Org_N5 – Filtered Search and Filtered data response

- Send a GET message to
`{apiRoot}/organization?tradingName=Coffee%20Do%20Brazil%20Fair%20Trade&fields=tradingName`
- Wait for a response from the server with the following characteristics:
 - Response Code 200-OK
 - The body of the response includes one organization resource referring to {ORG1} and there is no reference to organization resource {ORG2}.
 - The body of the response for the resource includes only attribute tradingName matching the tradingName value in the corresponding original POST request.

Notice that this test case is using parameter "tradingName" to filter the data included in the response but any other parameter could be used.

TC_Org_N6 – Delete an existing organization resource

- Send a DELETE message to `{apiRoot}/organization/{ORG1}`
- Wait for a response from the server with a response Code 204.
- Send a GET message to `{apiRoot}/organization`
- Wait for a response from the server with the following characteristics:
 - Response Code 200-OK
 - The body of the response includes one organization resource referring to {ORG2} and there is no reference to organization resource {ORG1}.
 - The body of the response for the resource with identifier {ORG2} matches the values in the corresponding original POST request.

Error Scenarios

TC_Org_E1 – Unknown organization identifier

- Send a GET message to `{apiRoot}/organization/{ORG3}`, where {ORG3} does not match any of the identifiers previously created in the server.

- Wait for a response from the server with a Response Code 404 – Not Found.

TC_Org_E2 – Invalid request – Missing mandatory parameter

- Send a POST message to {apiRoot}/organization with the following contents in the BODY:

```
{  
  "name": "Coffee do Brazil"  
}
```

Notice that the missing mandatory parameter in the request is `tradingName`.

- Wait for an error response from the server indicating that the mandatory parameter is missing in the request.

ACKNOWLEDGEMENTS

VERSION History

Version Number	Date	Release led by:	Description
Version 1.0	24-May-2018	Sean McMenamy sean@openet.com	Initial version
Version 4.0	06-June-2019	Sophie Bouleau Orange sophie.bouleau@orange.com	Alignment with the version 4.0 of the Party Management REST API

RELEASE History

Release Number	Date	Release led by:	Description
19.0	06-June-2019	Sophie Bouleau Orange sophie.bouleau@orange.com	Alignment with the version 4.0 of the Party Management REST API published in the Open APIs release 19.0