Learning Opportunities: Technical overview

Topics

1) Learning Opportunities Data Model

2) Qualification Dataset Register (QDR)

3) Linking With Qualification Data

LEARNING OPPORTUNITIES DATA MODEL
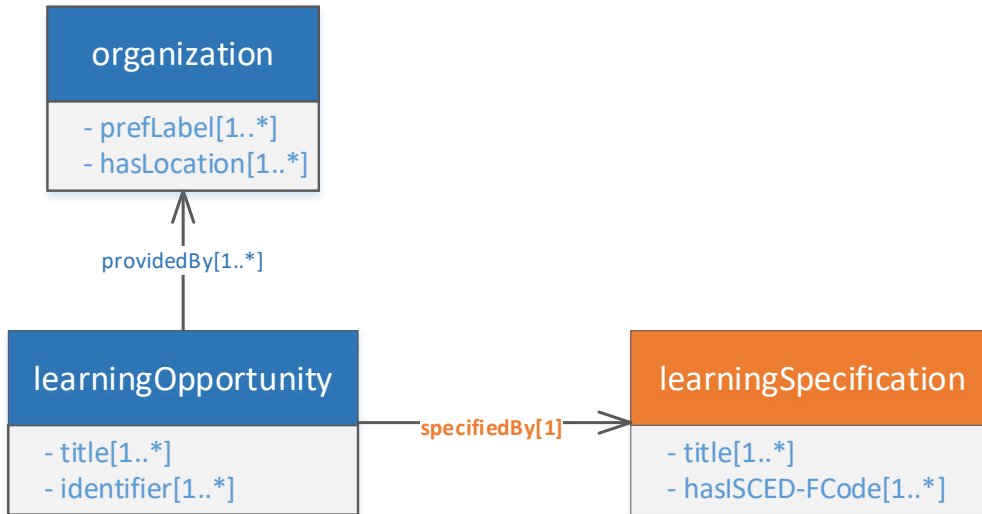
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Learning Opportunities Data Model

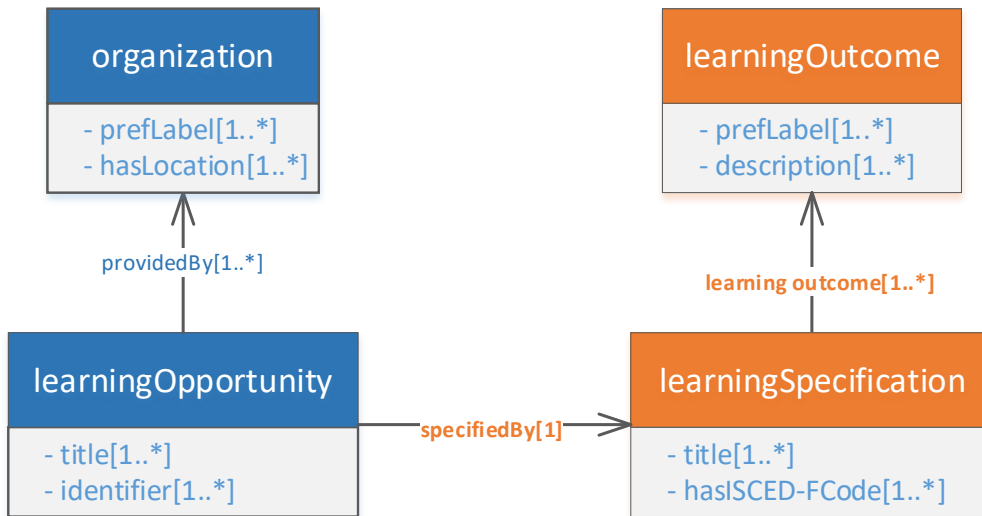** The data is exchanged using a standard XML format*

Required Fields
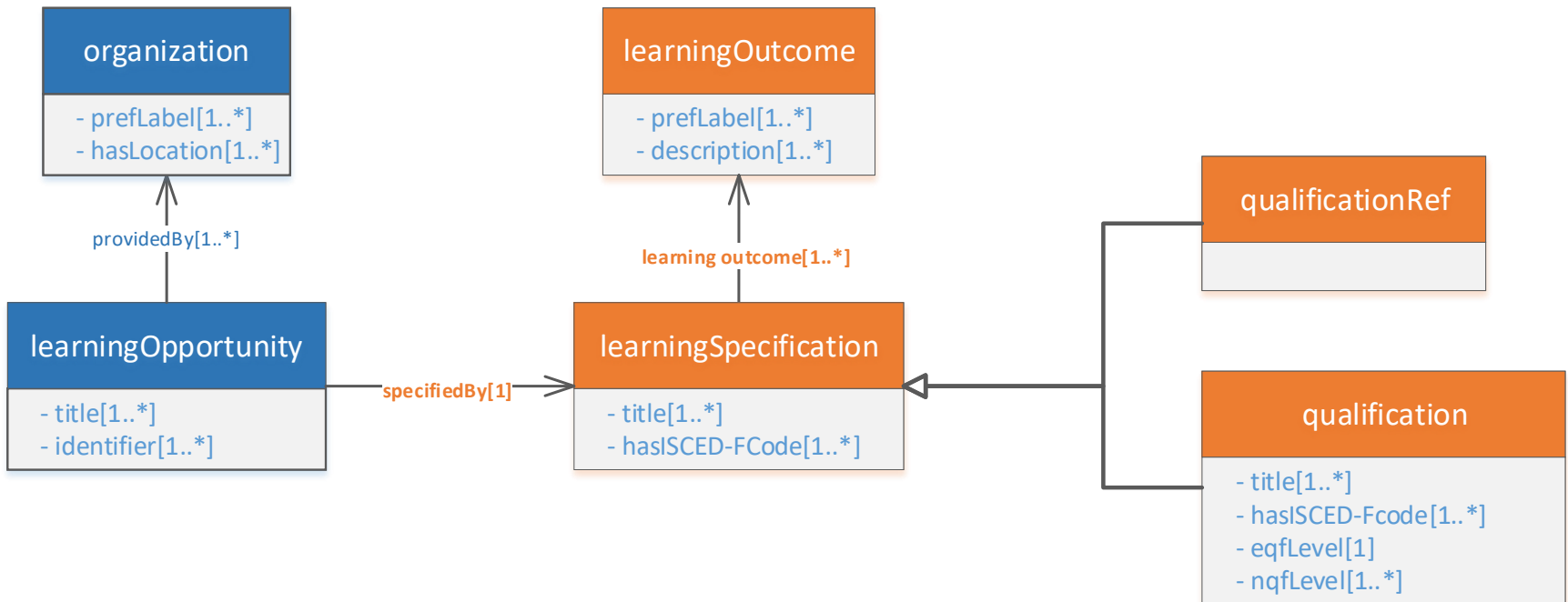
learningOpportunity

- title[1..*]
- identifier[1..*]

Required Fields

organization
- prefLabel[1..*]
- hasLocation[1..*]

providedBy[1..*]

learningOpportunity
- title[1..*]
- identifier[1..*]

specifiedBy[1]

learningSpecification
- title[1..*]
- hasISCED-FCode[1..*]

Required Fields

organization
- prefLabel[1..*]
- hasLocation[1..*]

learningOutcome
- prefLabel[1..*]
- description[1..*]

providedBy[1..*]

learning outcome[1..*]

learningOpportunity
- title[1..*]
- identifier[1..*]

specifiedBy[1]

learningSpecification
- title[1..*]
- hasISCED-FCode[1..*]

Required Fields

Legacy LOp Model

* The model used by LOQ is still supported

* The data in the legacy model can be published in QDR

* The new model provides further structure and interlinking with Qualifications/Accreditations to the data

QUALIFICATION DATASET REGISTER(QDR)

QDR

The web application for publishing Qualifications (Q), Learning Opportunities (LOp) and Accreditations to the new Europass portal.

Welcome to the Qualification Dataset Register

The Qualification Dataset Register serves as a central qualifications data portal. It enables different governmental institutions and awarding bodies to publish information on their qualifications.

What do you need to do to submit your data?

1. Create an EU login (ECAS) account
2. Contact Administrators of Qualification Dataset Register to grant you EU login (ECAS) rights
3. Create a profile for your organisation
4. Submit your dataset, selecting the metadata and publishing options which apply for you

More information about this process can be found in documentation mention below.

Login/Register

Documentation

User manual

The following manual provides you with a detailed documentation on how to operate the platform. You will be able to understand how to publish your data using this platform and how to operate the user interface.
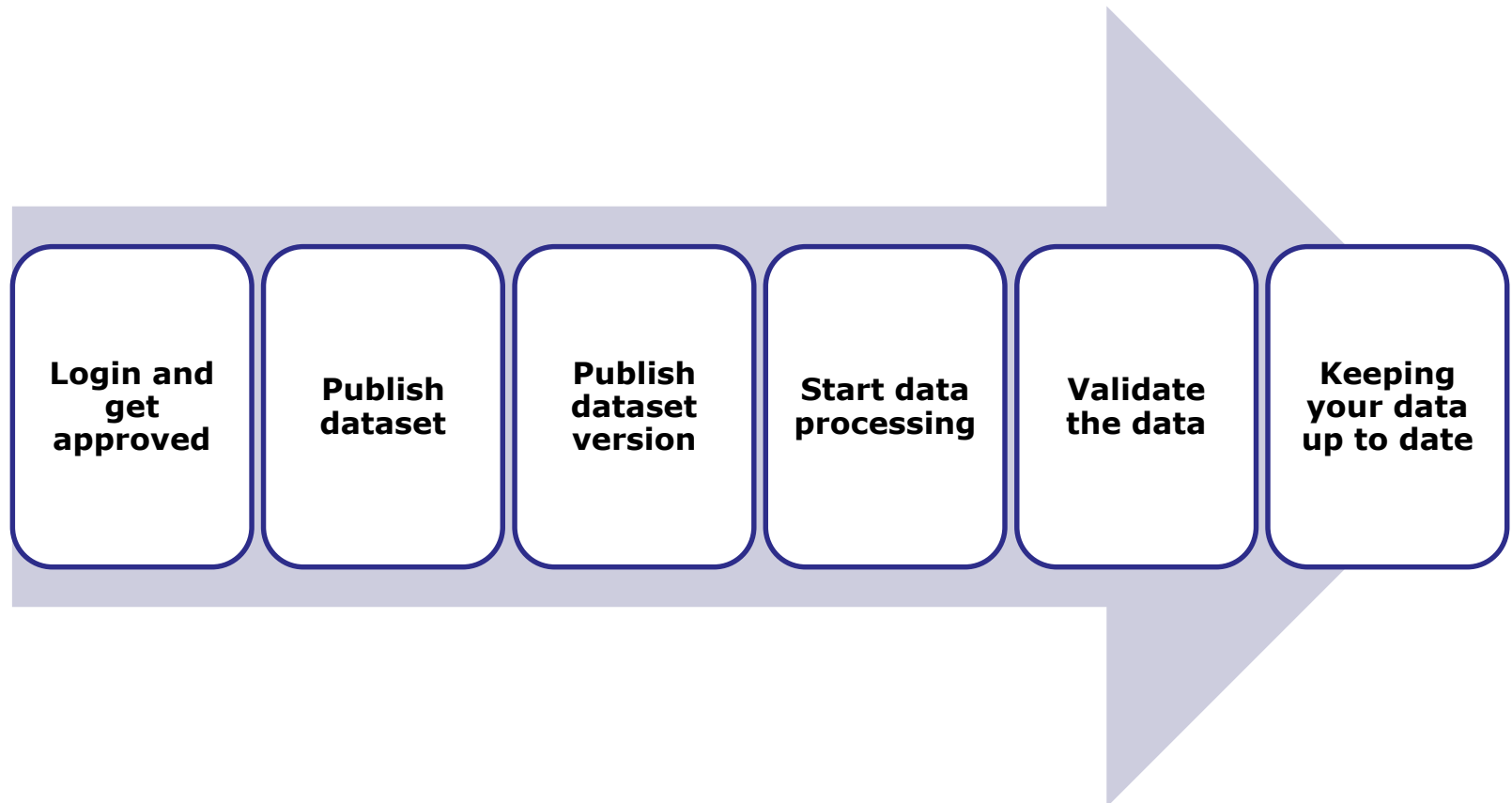
How to register

This short document will guide you through the process of requesting and activating your account in the Qualification Dataset Register website.
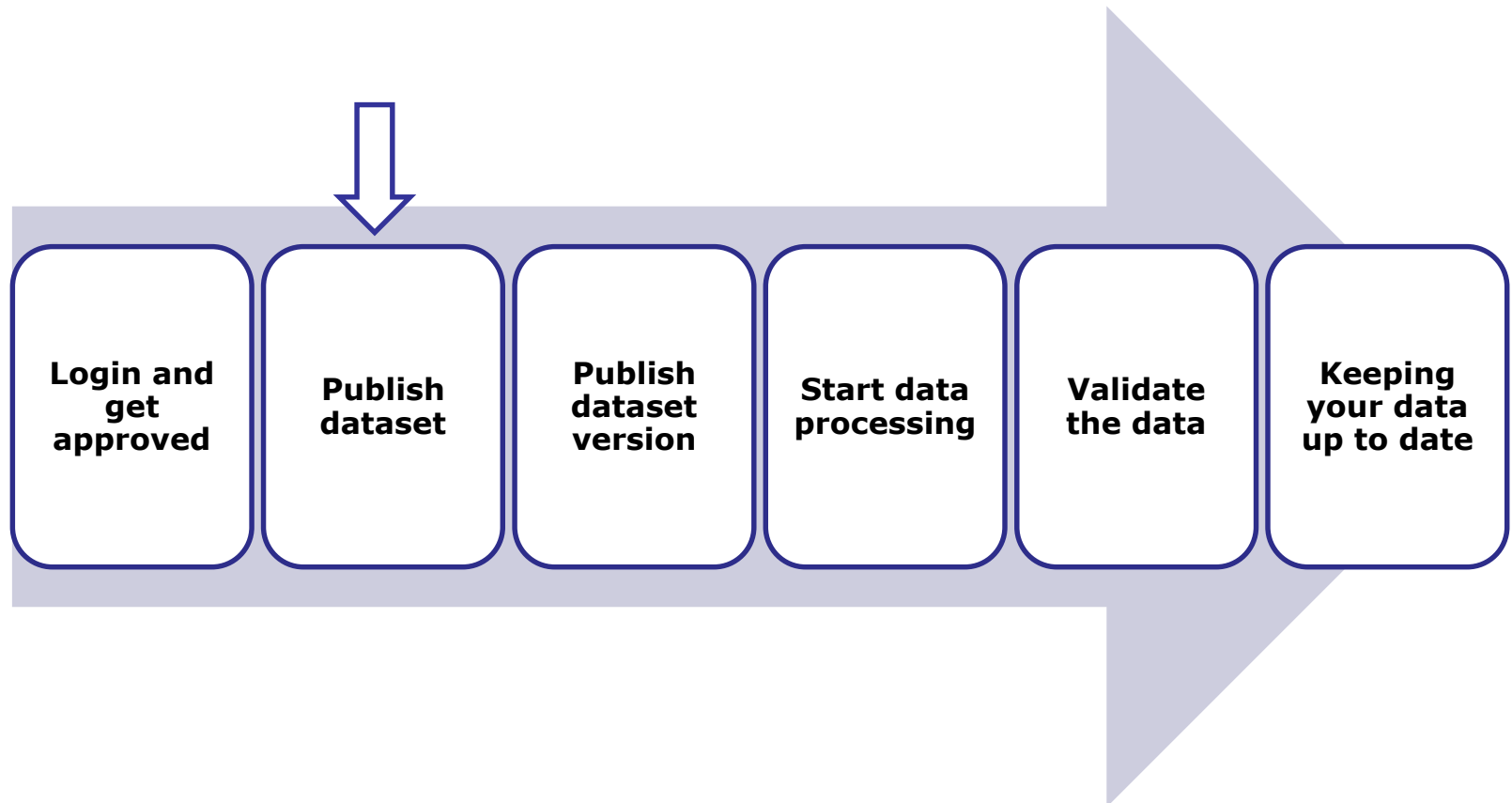
Qualifications Metadata Schema

The Qualifications Metadata Schema (v1.0.0) is an application profile used to describe qualifications across Europe. It corresponds to the schema used for publishing via the Qualifications Dataset Register. It will help you to understand how you should structure your data and prepare them for compliance.

Publishing LOp data on QDR

| Login and get approved | Publish dataset | Publish dataset version | Start data processing | Validate the data | Keeping your data up to date |

Publishing LOp data on QDR

| Login and get approved | Publish dataset | Publish dataset version | Start data processing | Validate the data | Keeping your data up to date |

Publishing datasets on QDR

Create new dataset

Title
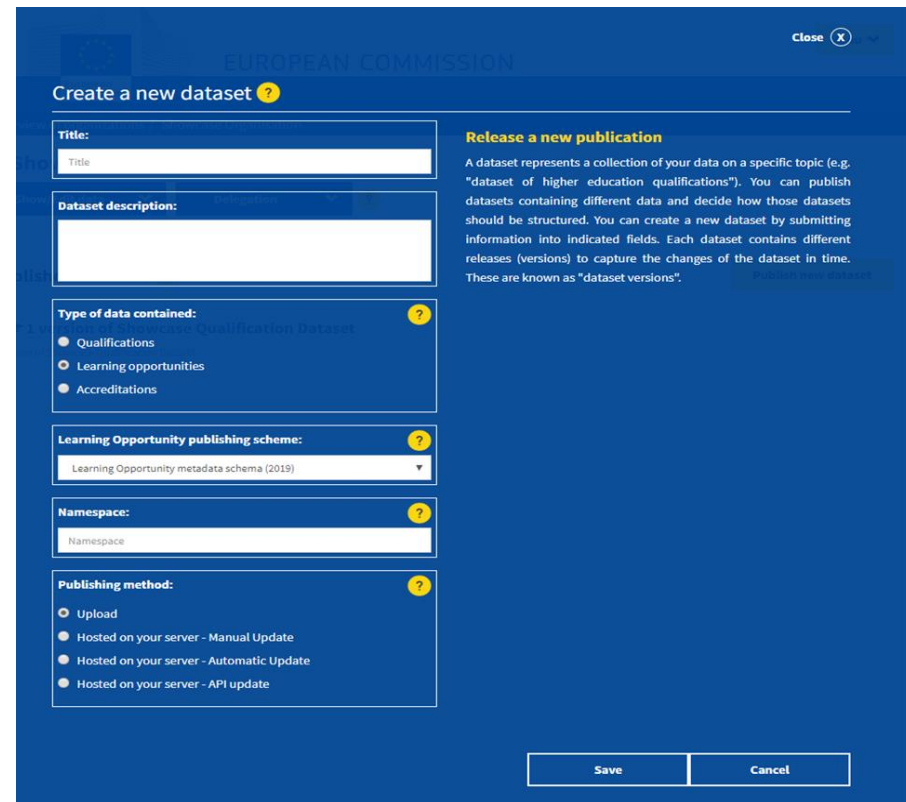
Description

Type of data contained

LOMS

Namespace

Publishing method

Publishing datasets on QDR

```
Publishing methods ──┬── Upload
                     │
                     └── Hosted on server ──┬── Manual
                                            │
                                            ├── Automatic update ★
                                            │
                                            └── API update ★
```
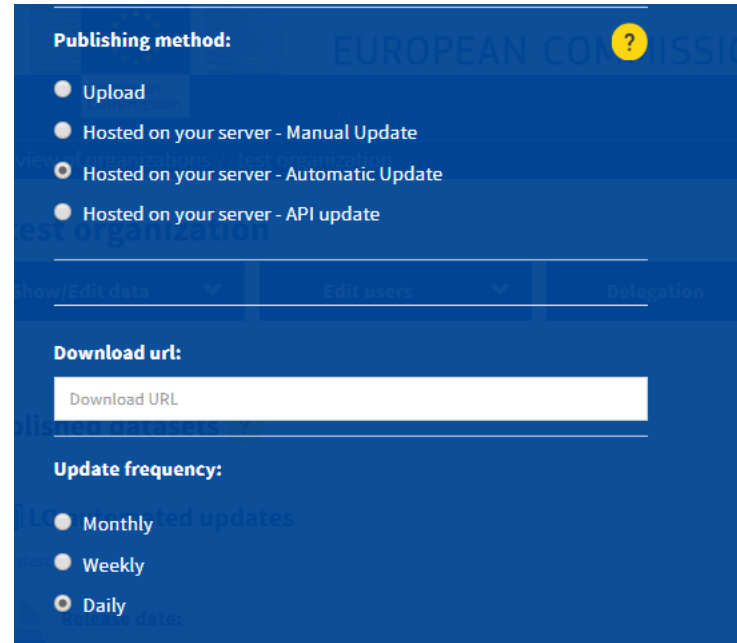
Automatic Update

* Updates retrieved automatically

* Indicate a URL where you will continuously maintain the data

Make sure that the HTML header of your indicated URL is updated every time you want to release a new dataset version

Publishing method:

○ Upload
○ Hosted on your server - Manual Update
● Hosted on your server - Automatic Update
○ Hosted on your server - API update

Download url:

Download URL

Update frequency:

○ Monthly
○ Weekly
● Daily

API Update

- Push each update of your dataset to QDR using an API call

Pushing new version through API key ❓

Method
POST

URL
https://qdr-test2.cogni.zoneapi/esco/qdr/api-key/dataset_versions?
masterDatasetUri=http://data.europa.eu/esco/qdr/master_datasets/94fb32ba-1874-4073-9558-47886e9d6836

Headers
x-api-key: {insert-your-api-key}

Example payload (JSON)

```
{
  "containsAccreditation": true,
  "title_en": "Title of version",
  "description_en": "Description of version",
  "version": "e.g. 1.0.1",
  "versionNotes_en": "Optional version notes",
  "_links": {
    "mediaType": {
```

If you plan to use this method, please contact the administrators of QDR to provide you with an API key.
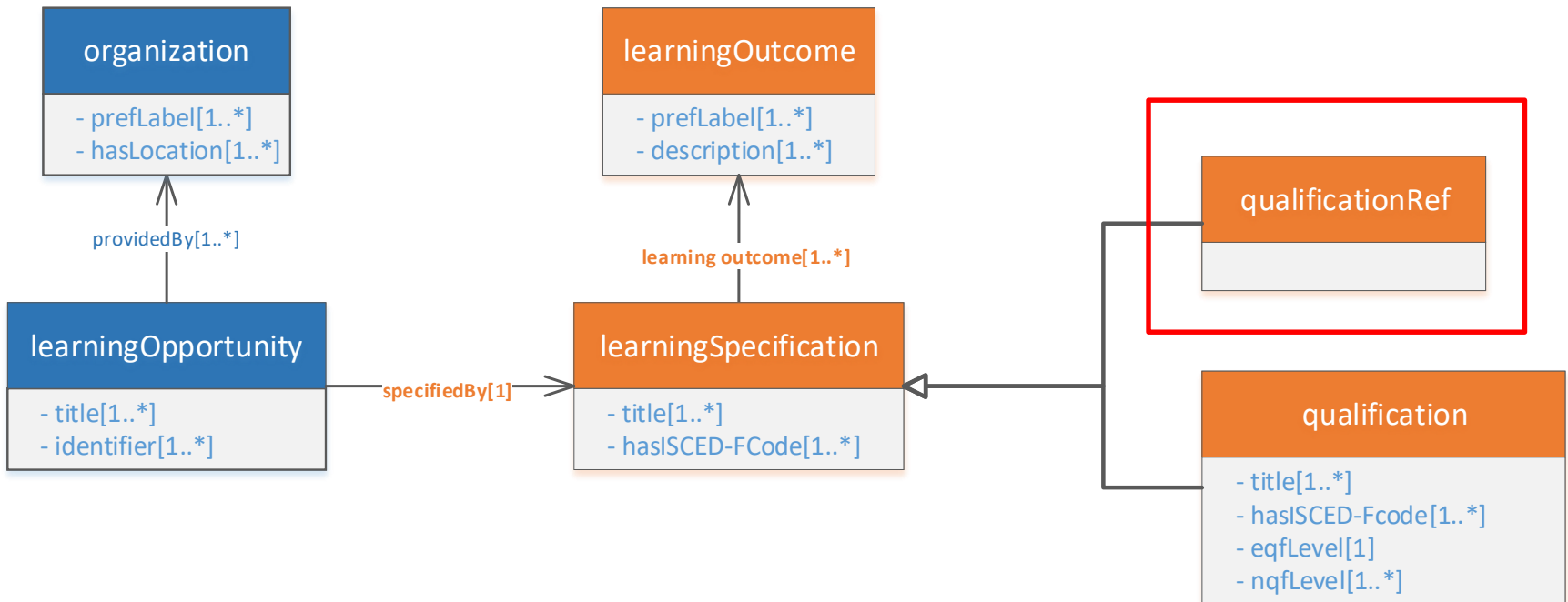
LINKING WITH QUALIFICATION DATA

Linking With Qualification Data

Used if you are publishing the datasets separately for:

- **Learning Opportunities**
- **Qualifications**

Required if you are planning to utilize the European Accreditation infrastructure (EDCI)

Linking With Qualification Data

Linking With Qualification Data

* Process:

- **Publish a Qualification dataset**
- **Note the Qualification references**
- **Publish a Learning Opportunity dataset with those references**

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Linking With Qualification Data

* Sample data:

```
<learningSpecificationReferences>
        <qualificationRef>
                <identifier schemeID="http://proson.eoppep.gr">12445</identifier>
        </qualificationRef>
</learningSpecificationReferences>
```

For further assistance you can contact:
qualifications@ext-ec-europa.eu

THANK YOU