European Centre for the Development
of Vocational Training

Europass Team
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Europass XML Schema V3.3.0

Documentation and Change-log from v3.2.0 version

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Europass Supporting Semantic Interoperability

Europass promotes semantic interoperability by defining a specific vocabulary according to which the information contained in Europass Documents is expressed. This vocabulary is defined according to an XML schema, which describes the constraints on the structure and on the contents of Europass Documents.

Individuals, who use the Europass Online Editors to produce their Europass Curriculum Vitae or Europass Language Passport, have the option to receive the document in Europass XML format or PDF format with the XML attached. The most important benefit of this option is that it allows individuals to reuse their personal data and save time and effort when accessing the Europass online editors at a later point, or other systems (job portals, employment /admission services, etc.) that "understand" the Europass vocabulary.

Europass XML Vocabulary

The Europass XML Vocabulary is considered to be relatively simple, clear and self-explaining, while remaining sound and extensible, and also as close as possible to other related vocabularies, as those defined by HR-XML.

This document provides a description of the latest version of the Europass XML Schema (V3.3.0) with the aim to support interested parties, who wish to manage, edit or store Europass documents within their information systems.

Structure of this Document

The document is structured as follows: First, an extensive reference to the changes and revisions from the previous version (v3.2.0) is attempted (part 1). Then, we begin the documentation of the latest version by listing the various imported and included XML Schemas, and explain that purpose each schema serves (Part 2). The main body of the document provides an in-depth description of each possible element of a Europass XML document. The order according to which the elements are described matches the hierarchy of the XML document, and starts with the root element of the XML. Each element of the Europass XML is described in detail, by emphasizing the allowed data type and providing an indicative example (Part 3). Finally, the XML data types that are either abstract, or generic or used to define multiple elements are described in detailed in a separate section, and referenced wherever necessary (Part 4).

1 Change-log

1.1 Change-log from version v3.2.0

In June 2015 Europass updates its XML Schema definition by implementing changes, which result from the introduction of the ICT Skills in the computer skills section, the introduction of new printing preferences for CoverLetter section justification, the removal of ContactInfo.Address format preferences, the addition of the Europass Logo document attribute, the introduction of sign languages, and other minor changes and corrections in occupations, countries and nationalities.

Regarding the computer skills, the xml will contain information about the computer skills assessment and any IT related certificates. The structure of the ICT Skills in the computer skills is similar to the foreign language self assessment. Changes are mainly applied in the new added ComputerSkills.xsd and the SkillSetType defined in the EuropassLearnerInformation.xsd.

A new printing preference property is introduced, that is meant to be used by the Europass Cover Letter fields, in order to declare whether the sections are justified, for example use justified=true or false.

Deprecation of the printing preference for the contact info address format. In particular removal of the following enumeration values

- LearnerInfo.Identification.ContactInfo.Address from the printing preference SimpleFieldNames enumeration
- ContactInfo.Address from WorkExperienceDetailFieldNames
- ContactInfo.Address EducationDetailFieldNames
- CoverLetter.Addressee.Organisation.ContactInfo.Address from the printing preference CoverLetterFieldNames enumeration

Addition of Courses and Certifications in the Achievement type enumerations.

A new EuropassISOLanguages_V1.8.0.xsd is published with changes in the language code restriction pattern for String only restriction, in order to incorporate into the languages enumerations additional values for sign languages that follow the ISO 639-3:2007 standard instead of the ISO 639-1:2002 standard that was adopted in prior versions. Also the new version contains 41 new additions for sign languages both in mother languages enumeration and in foreign languages enumeration.

A new EuropassISCO_88_COM_V1.4.0.xsd is published with corrections on occupation Administration department manager (12311) to the Deutsch locale, removal of duplicate occupation entry (removed code 21490), correction on occupation with code 32320 in el locale.

A new EuropassISOCountries_V1.6.0.xsd is published with corrections on country code KZ for English and French locale, and the addition of Kosovo (code XK) country.

A new EuropassISONationalities_V1.6.0.xsd is published with the addition of the Kosovo (code XK) country.

The main Europass XML Schema Definition is now available under:

http://europass.cedefop.europa.eu/xml/v3.3.0/EuropassSchema.xsd

Backward compatibility

Version 3.3.0 is backward compatible with version 3.2.0 and 3.1.0, with the exception of the address format printing preferences which have been deprecated. Existing solutions *producing* Europass XMLs will only need to update the reference to the new XSD. Existing solutions *consuming* Europass XMLs might need to programmatically handle the removal of address format printing preferences from XMLs <= v3.2.0. This can be easily done using either the XML Upgrade REST service[1] or the latest XSLT available at the Europass Interoperability portal[2].

The change of the XML does not introduce any breaking changes to existing functionality of the Europass RESTful API.

Changes per XSD

Here we briefly described the changes that took place with version 3.3.0. For more detailed information you are invited to consult the specific sections 4.4, 4.5.5.7, 5.18, 4.5.6.

[1] http://interop.europass.cedefop.europa.eu/web-services/rest-api-reference/#xml-upgrade
[2] http://interop.europass.cedefop.europa.eu/data-model/xml-resources/#xslts-for-version-compatibility

2 Namespaces (Main, included and imported)

2.1 Europass Namespace

The main Europass namespace is europass: http://europass.cedefop.europa.eu/Europass. The latest version of the Europass XML Schema (v3.3.0) is available online at http://europass.cedefop.europa.eu/xml/v3.3.0/EuropassSchema.xsd.

Europass also maintains under the same namespace other formal vocabularies:

Included Schemata under the Europass namespace

1. **Europass Learner Information:**
   - Expresses information about a learner's personal data, experiences and skills.
   - Advertised at http://europass.cedefop.europa.eu/xml/v3.3.0/EuropassLearnerInformation.xsd
2. **Europass Printing Preferences:**
   - Expresses information on how to display the learner's information in the generated document; more specifically defines the order of the sections, the way to format dates and addresses and finally defines what information to hide in the finally generated document. This is mainly used by the Europass online editors in order to allow the flexibility of retaining all information in the XML, while displaying the desired subset of it in the generated document.
   - Advertised at http://europass.cedefop.europa.eu/xml/v3.3.0/EuropassPrintingPreferences.xsd
3. **Europass Document Information**
   - Expresses metadata information about the specific XML instance and Europass document.
   - Advertised at http://europass.cedefop.europa.eu/xml/v3.3.0/ DocumentInformation.xsd
4. **Europass Cover Letter**
   - Expresses the information about a learner's cover letter used to accompany other Europass documents.
   - Advertised at http://europass.cedefop.europa.eu/xml/v3.3.0/ EuropassCoverLetter.xsd
5. **Other schemata:**
   All of the schemata are advertised under http://europass.cedefop.europa.eu/xml/v3.3.0/
   - **Achievement.xsd**
   - **Certificate.xsd**
   - **CommonTypes.xsd**
   - **ComputerSkill.xsd**
   - **ContactInformation.xsd**
   - **Demographics.xsd**
   - **DigitalContent.xsd**

- **Documentation.xsd**
- **DocumentInformation.xsd**
- **DrivingSkill.xsd**
- **EducationalExperience.xsd**
- **EmploymentExperience.xsd**
- **Experience.xsd**
- **Headline.xsd**
- **Identification.xsd**
- **Language.xsd**
- **Letter.xsd**
- **LinguisticSkill.xsd**
- **OccupationalField.xsd**
- **Organisation.xsd**
- **PersonName.xsd**
- **Skill.xsd**

6. **ISO 3166-1 list of countries adjusted by Europass**
   - Defines the ISO list of countries and provides translations to the Europass languages. Notable differences are the country codes of United Kingdom (UK instead of GB) and Greece (EL instead of GR).
   - Advertised at http://europass.cedefop.europa.eu/xml/included/EuropassISOCountries_V1.6.0.xsd
7. **List of nationalities**
   - Defines the list of nationalities, as a one-to-one correspondence with the list of countries. It also provides translations to the Europass languages.
   - Advertised at http://europass.cedefop.europa.eu/xml/included/EuropassNationalities_V1.6.0.xsd
8. **ISO 639-3 list of languages adjusted by Europass**
   - Defines the ISO list of languages and provides translations to the Europass languages. Also it organizes the language codes to those that may exist as mother tongues (excludes languages that are considered “dead” as Ancient Greek), and those that may exists as foreign language knowledge. Until version EuropassISOLanguages_V1.7.0.xsd, languages followed the ISO 639-1:2002 standard. The latest version EuropassISOLanguages_V1.8.0.xsd introduces sign languages, and a kind of ISO 639-3:2007 standard is used in order to accommodate sign languages For some sign languages there's already an ISO 639-3 code. The pattern ${ISO 639-3 of regular (non sign) language} ${dash} ${fixed "sgn" string} is followed for those sign languages that do not have an ISO 639-3:2007 code. However, the language code pattern restriction has been updated to allow any string.
   - The latest languages xml schema is advertised at http://europass.cedefop.europa.eu/xml/included/EuropassISOLanguages_V1.8.0.xsd
9. **ISCO 88 COM list of occupations adjusted by Europass**
   - The International Standard Classification of Occupations and the International Labour Organisation proposed the ISCO 88, and ISCO 88 COM is the European Union variant of ISCO 88. The list is further filtered by Europass by adding a fifth level.

- The vocabulary provides translations in most of the Europass languages of the 5th level group codes, differentiated by gender wherever applicable.
- Advertised at http://europass.cedefop.europa.eu/xml/included/EuropassISCO_88_COM_V1.4.0.xsd

2.2 Imported Namespaces

In order to reuse information, Europass imports some external XML Schemas which define formal vocabularies. These vocabularies are lists of terms, developed by an independent authority and adopted by Europass. Europass creates and manages the corresponding XML Schemas. Since these vocabularies are not property of Europass, they are not contained in the same namespace.

1. **NACE List of Business Sectors**
   - Nomenclature statistique des activités économiques dans la Communauté européenne: List of NACE codes for business sectors, as listed in the"Competition" related pages of the European Commission's website (http://ec.europa.eu/comm/competition/mergers/cases/index/n International Standard
   - Namespace: **nace: http://europass.cedefop.europa.eu/NACE**
   - Advertised at: http://europass.cedefop.europa.eu/xml/imported/NACE_COM_V1.0.0.xsd
2. **List of Educational Fields**
   - Classification of Education 1997, designed by UNESCO (http://www.unesco.org/education/information/nfsunesco/doc/isced_1997.htm) ace_all.html)
   - Namespace: **isced: http://europass.cedefop.europa.eu/ISCED/97**
   - Advertised at: http://europass.cedefop.europa.eu/xml/imported/ISCED97_V1.0.0.xsd
3. **List of European Driving Licence Codes**
   - European driving licence - vehicle categories (http://ec.europa.eu/youreurope/nav/en/citizens/living/car/driving-license/index_en.html#326_3)
   - Namespace: **driving: http://europass.cedefop.europa.eu/EUDriving**
   - Advertised at: http://europass.cedefop.europa.eu/xml/imported/EUDrivinglicence_V1.1.0.xsd
4. **European Qualifications Framework (EQF)**
   - The European Qualifications Framework (EQF) acts as a translation device to make national qualifications more readable across Europe, promoting workers' and learners' mobility between countries and facilitating their lifelong learning. The core of the EQF concerns eight reference levels describing what a learner knows, understands and is able to do – 'learning outcomes'. Levels range from basic (Level 1) to advanced (Level 8). The EQF applies to all types of education, training and qualifications, from school education to academic, professional and vocational. (http://ec.europa.eu/education/lifelong-learning-policy/eqf_en.htm)
   - Namespace: **eqf: http://europass.cedefop.europa.eu/EQF/08**

- Advertised at:
  http://europass.cedefop.europa.eu/xml/imported/EQF_08_V1.0.0.xsd

3 Versioning of Europass XML Schema Definitions

Europass XML Schema Definition is versioned according to the pattern Major.Minor.Patch.

Starting from version 3.1.0 the version of the schema is visible in the Http URL under which the schema is available.

E.g. http://europass.cedefop.europa.eu/xml/**v3.1.x**/EuropassSchema.xsd

The version of the Europass XML Schema changes according to the following:

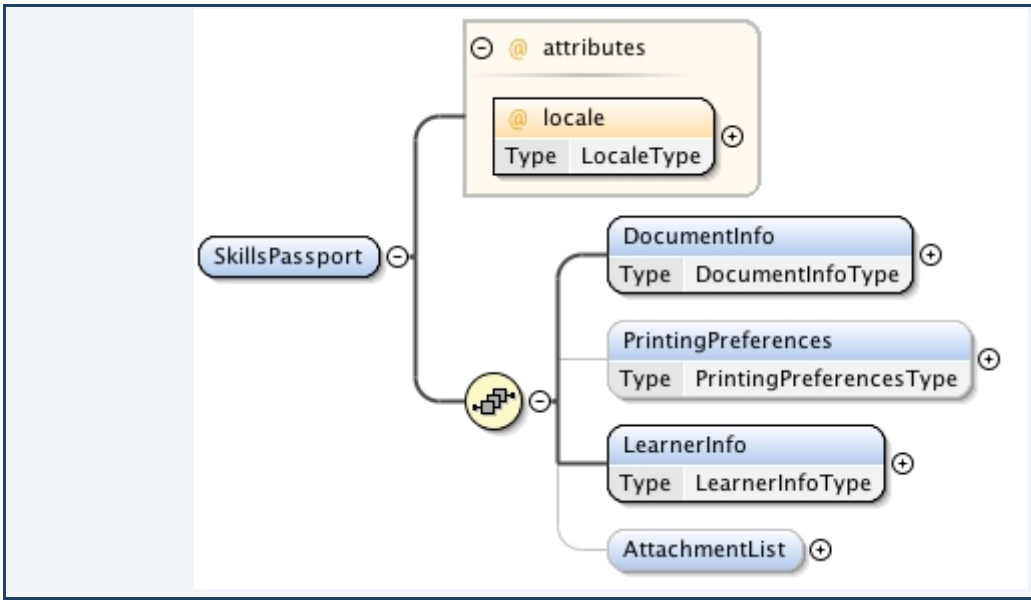
- The **major** version will change when there are ground-breaking changes (such as the change from 2.0 to 3.0)
- The **minor** version will change when a new document is introduced that brings along substantial changes to the schema (such as the CoverLetter, v3.0.x to v3.1.y)
- The **patch** version will change when small non breaking changes are introduced, e.g. adding a new sub-element in a type definition, changing the version of an imported or included schema, etc.

4 Europass XML Document elements; their structure and data types

4.1 Skills Passport

SkillsPassport is the root element of any Europass XML document. This element actually defines an individual's portfolio that includes information coming from the Curriculum Vitae, Language Passport or other Europass documents, as well other non-Europass documents.

It is the actual template describing and organizing the entire set of personal information, learning achievements and training periods, work experiences, skills and competences of the learner (**LearnerInfo**). Moreover, it defines the way that the learner's information appears in a "printable" Europass document–considering the printing preferences about the order and the format– (**PrintingPreferences**). This element also includes all the digital documents attached to this XML document to server as supporting material to this portfolio (**AttachmentList**). Finally, the SkillsPassport also contains some metadata about the XML document itself organized under a suitable sub-element (**DocumentInfo**)



Elements and Attributes	Compositions Child Element Content Type **Sequence(S):** The child elements in the XML document MUST appear in the order they are declared in the XSD schema. **Choice(C):** Only one of the child elements described in the XSD schema can appear in the XML document. **All(A):** The child elements described in the XSD schema can appear in the XML document in any order.	**Definition**

	(minOccurs/maxOccurs) Attributes(@)	
SkillsPassport	Locale: LocaleType DocumentInfo: europass:DocumentInfoType - S(1/1) PrintingPreferences: europass:PrintingPreferencesType - S(0/1) LearnerInfo: europass:LearnerInfoType - S(1/1) AttachmentList: [complexType] - S(0/1)	Skill Passport is the root element of any Europass XML document. This element actually defines aperson's portfolio that includes information coming from the Curriculum Vitae, Language Passport or other Europass documents, as well other non-Europass documents.

Instance:

```
<SkillsPassportlocale="">
  <DocumentInfo>{1,1}</DocumentInfo>
  <PrintingPreferences>{0,1}</PrintingPreferences>
  <LearnerInfo>{1,1}</LearnerInfo>
  <AttachmentList>{0,1}</AttachmentList>
</SkillsPassport>
```

Indicative example:

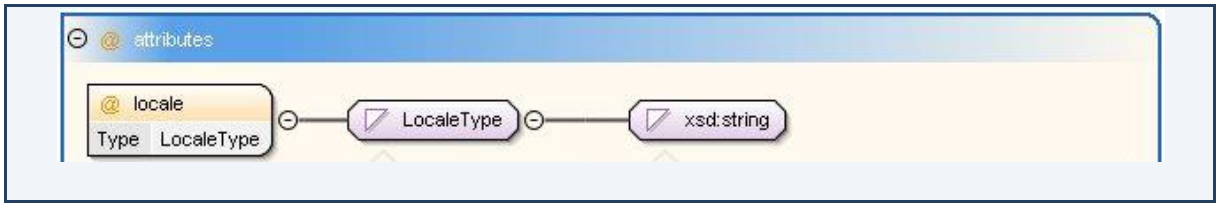
```
<SkillsPassport  xmlns="http://europass.cedefop.europa.eu/Europass"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="http://europass.cedefop.europa.eu/xml/
V3.1.0/EuropassSchema.xsd"locale="en">
  <DocumentInfo/>
  <PrintingPreferences/>
  <LearnerInfo/>
  <AttachmentList/>
</SkillsPassport>
```

4.2 SkillsPassport @locale

The attribute "locale" refers to the language of translation of the included information.

The content type of the locale attribute is **LocaleType**. This type defines a restriction on any string by defining a specific pattern. This pattern is comprised of two lowercase and two uppercase letters, separated by underscore. E.g. de_DE or sv_SE.

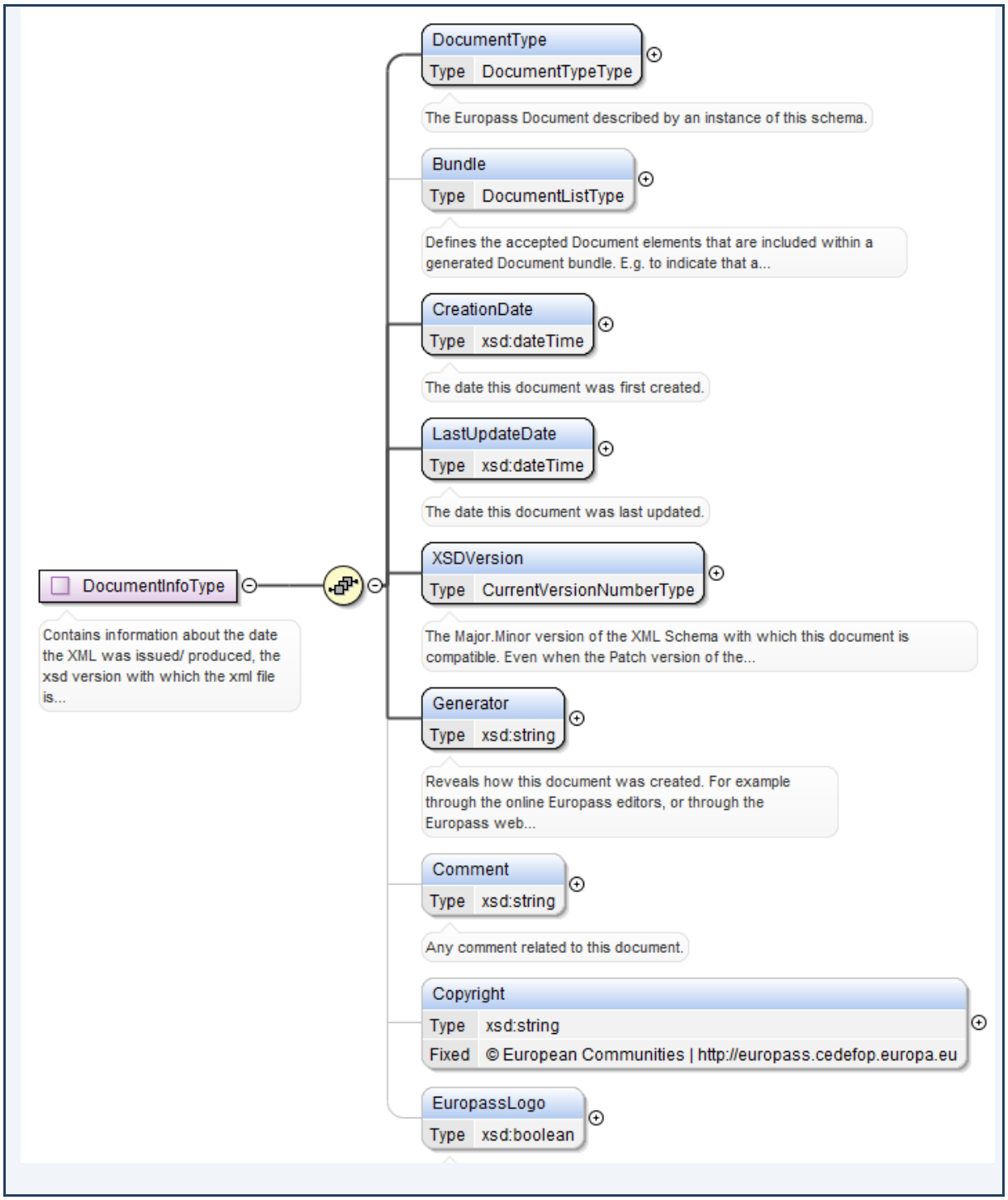
LocaleType is a simpleType with acceptable value of xsd:string that follows the followed pattern restriction: [a-z]{2}(_[A-Z]{2})*



Elements and Attributes	Compositions Child Element Content Type Sequence(S)|Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
SkillsPassport @locale	europass:LocaleType - S(1/1) [restriction]:xsd:string [pattern]:[a-z]{2}(_[A-Z]{2})*	The translation language of the included information.

4.3 SkillsPassport/ DocumentInfo

The element **DocumentInfo** contains metadata information about the specific document. It adheres to the data type **DocumentInfoType**. This data type defines a sequence of five mandatory sub-elements (DocumentType, CreationDate, LastUpdateDate, XSDVersion and Generator) and three optional (Bundle, Comment, Copyright, EuropassLogo).



Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
SkillsPassport/**DocumentInfo**	DocumentType: europass:DocumentTypeType- S(1/1) Bundle: europass: DocumentListType- S(1/1) CreationDate: xsd:dateTime- S(1/1) LastUpdateDate: xsd:dateTime - S(1/1) XSDVersion: europass:CurrentVersionNumberType - S(1/1) Generator: xsd:string - S(1/1) Comment: xsd:string - S(0/1)	Contains metadata information about the specific document, like the document type, whether other documents are bundled, the date the XML was issued/ produced, the xsd version with which the xml file is compatible, and other optional comments.
SkillsPassport/DocumentInfo/ **DocumentType**	**europass:DocumentTypeType** Restriction on xsd:string- S(1/1) [enumeration] : CV_ESP [enumeration] : ESP [enumeration] : ECV [enumeration] : ELP [enumeration] : EX	The Europass Document described by this XML document. The data type defines an enumeration of specific string values.
SkillsPassport/DocumentInfo/ **Bundle**	**europass: DocumentListType** Document: europass:DocumentTypeType - S(0/*)	A list of Europass Documents, other than the one denoted by DocumentType, which can be bundled together. E.g. ECL when DocumentType is ECV or ECV_ESP
SkillsPassport/DocumentInfo/ **XSDVersion**	**europass:VersionNumberType** xsd:string- S(1/1) [pattern]:`V[0-9]\.[0-9]`	The version of the XML Schema with which this document is compatible. The value should follow the specified pattern.
SkillsPassport/DocumentInfo/ **EuropassLogo**	**europass:EuropassLogoType** xsd:boolean- S(0/1)	Information about the display of the Europass Logo in the generated documents.

Instance:

```
<DocumentInfo>
  <DocumentType>{1,1}</DocumentType>
  <Bundle>{0,1}</Bundle>
  <CreationDate>{1,1}</CreationDate>
  <LastUpdateDate>{1,1}</LastUpdateDate>
  <XSDVersion>{1,1}</XSDVersion>
  <Generator>{1,1}</Generator>
  <Comment>{0,1}</Comment>
  <Copyright>>{0,1}</Copyright>
  <EuropassLogo>{0,1}</EuropassLogo>
</DocumentInfo>
```

Indicative example:

```
<DocumentInfo>
  <DocumentType>ECV</DocumentType>
  <Bundle>
     <Document>ECL</Document>
  </Bundle >
  <CreationDate>2012-03-01T00:00:00.000Z</CreationDate>
  <LastUpdateDate>2012-03-01T00:00:00.000Z</LastUpdateDate>
  <XSDVersion>V3.3</XSDVersion>
  <Generator>XML Editor</Generator>
  <Comment>Example CV XML according to XSD v3.3.0</Comment>
  <Copyright>© European Communities |
http://europass.cedefop.europa.eu</ Copyright>
  <EuropassLogo>true</EuropassLogo>
</DocumentInfo>
```

4.3.1 DocumentInfo/XSDVersion

This element adheres to the **CurrentVersionNumberType** data type. This data type restricts the **VersionNumberType** and defines that the element must have a specific value that corresponds to the Major.Minor version of this XML Schema Definition.

The **VersionNumberType** in turn is a data type that restricts texts by defining the acceptable pattern for describing the version. According to the pattern the text should start with «V» and continue with the «Major.Minor» numbers.

4.4 SkillsPassport/ PrintingPreferences

The **PrintingPreferences** element includes the preferences of the individual related to how to display the information included in the Europass XML when printed into readable format (e.g. PDF, ODT, DOC). This element gives the flexibility of deciding which information to show/hide in a printed document and how to format the dates, addresses, etc. Its presence is useful in the cases where the specific XML is fed to the Europass online editors or web services in order to receive a "printable" Europass document.

This element adheres to the **PrintingPreferencesType** data type, which is defined in details in the included XML schema "**EuropassPrintingPreferences**". This data type defines a sequence of **Document** sub-elements, each following the data type DocumentPreferencesType.

The **DocumentPreferencesType** data type defines a required attribute, named **type**, which shows for which Europass document these printing preferences are applicable. The set of printing preferences are thus defined on a per-document basis. However we could envision an expanded XML which will include multiple **Document** elements, each defining its own printing preferences and thus describing a different "printable" document.

The **DocumentPreferencesType** also defines that it accepts a sequence of multiple **Field** elements.

A **Field** element is described by at least one attribute, the name. It may also have extra attributes, such as show, order and format.

The **name** attribute is actually a path to the section in the Europass Document to which this specific printing preference refers to.

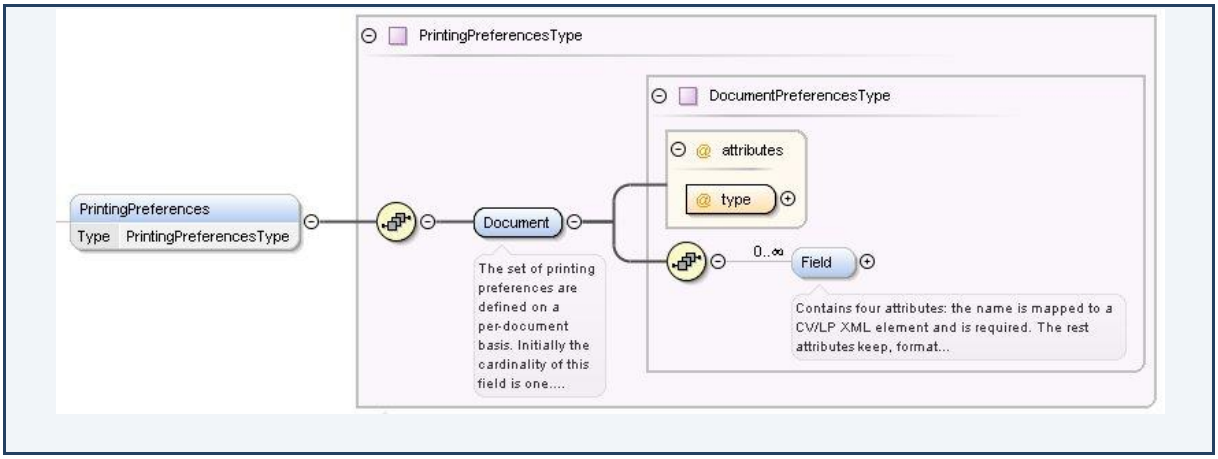
The **show** attribute defines whether the specific section of the Europass Document is to be shown in the "printable" document or not. This section may be a specific field (e.g. date of birth), a specific section (Specific work experience item) or an entire list (e.g. List of Foreign languages).

The **order** attribute is described as a simple list, which defines the order with which the sections that correspond to the simple list items are to be displayed in the "printable" document.

The **format** attribute defines a pattern according to which the dates or addresses are to be formatted.

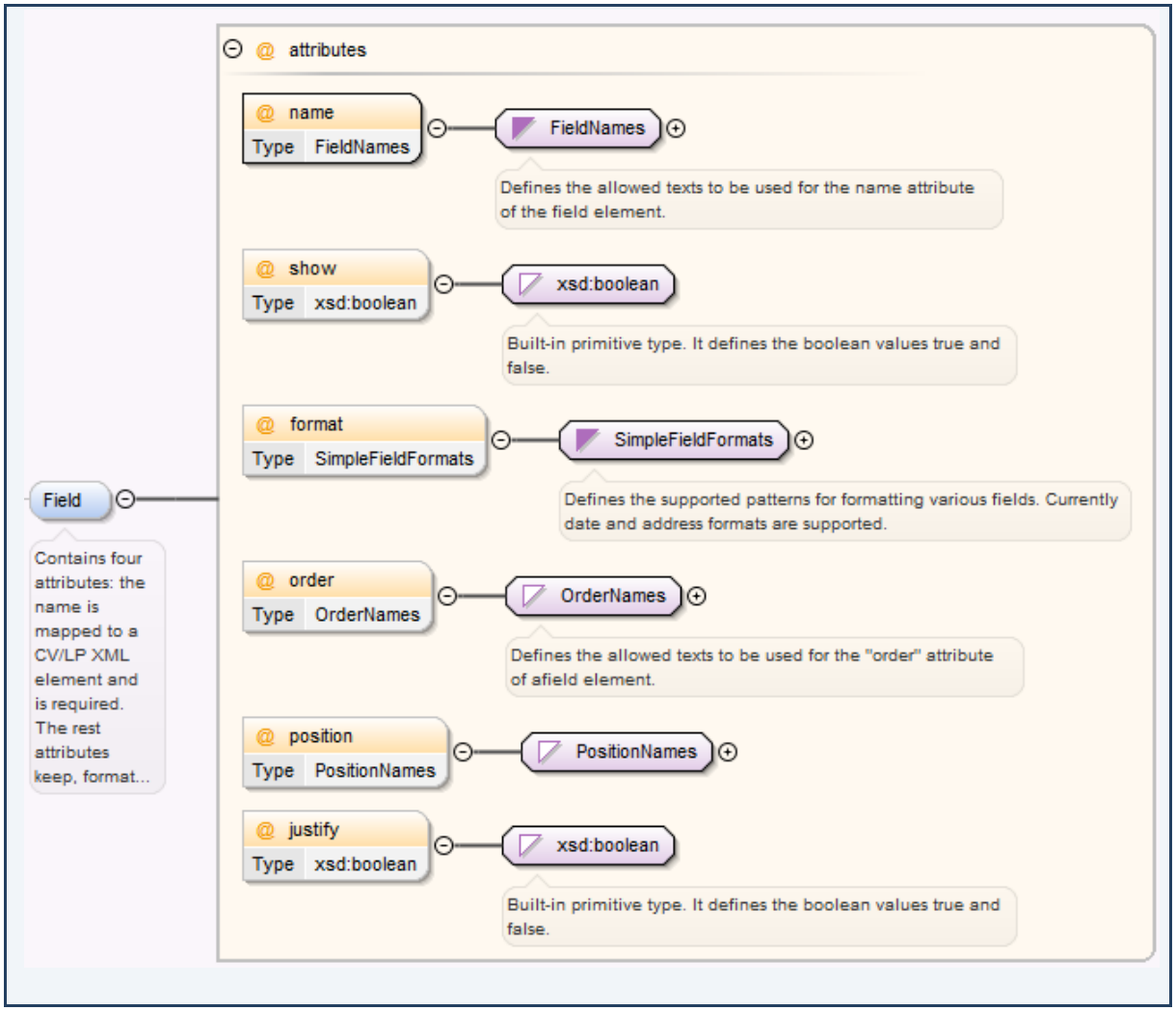
The **position** attribute is described as a simple list, which defines the way a section is positioned in the "printable" document.

The **justify** attribute defines whether the section of the Cover Letter fields will be justified or not.



Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
SkillsPassport/ **PrintingPreferences**	Document: - S(1/unbounded)	The printing preferences for the XML elements which are shown in the printed versions of the Europass Documents.
SkillsPassport/ PrintingPreferences/ **Document**	type: Restriction on xsd:string europass:DocumentTypeEnumeration [enumeration]:ECV [enumeration]:ELP field: - S(0/unbounded)	The set of printing preferences are defined on a per-document basis. The type attribute may have one of the allowed enumeration values.
SkillsPassport/ PrintingPreferences/ Document/ **Field**	name: europass:FieldNames- required show: xsd:boolean- optional order: europass:OrderNames- optional format: europass:SimpleFieldFormats- optional position: europass:PositionNames- optional justify: xsd:boolean- optional	name: path to the section in the Europass Document to which this specific printing preference refers to. show: defines whether the specific section of the Europass Document is to be shown in the “printable” document or not. order: is described as a simple list, which defines the order with which the sections that correspond to the simple list items are to be displayed in the “printable” document. format: defines a pattern according to which the dates or addresses are to be formatted. position: defines a the accepted values for the position of a section.

		justify: defines whether the cover letter sections are justified. Justification can be applied in the following CoverLetter sections: - Letter.Body.Opening - Letter.Body.MainBody - Letter.Body.Closing - Letter.ClosingSalutation.Label - Documentation.Heading.Label The attribute is to be assigned in the CoverLetter field.



Instance:

```
<PrintingPreferences>
  <Document type="">
    <Field    format=""    name=""    order=""    show=""    position=""
justify="">{0,unbounded}</Field>
  </Document>
</PrintingPreferences>
```

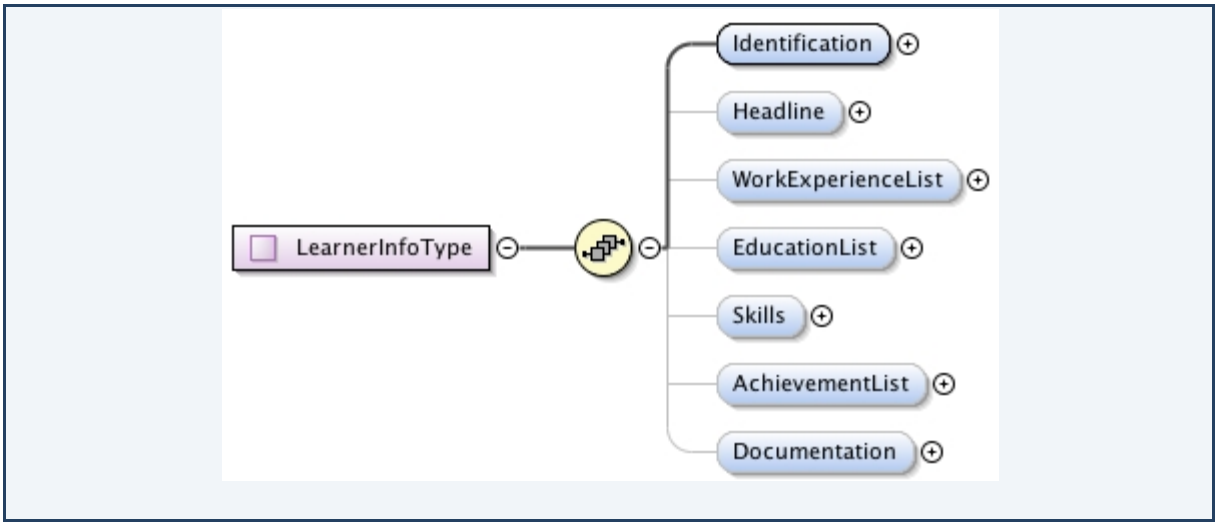
Indicative sample:

```
<PrintingPreferences>
  <Document type="ECV">
    <Field
      name="LearnerInfo"
      show="true"
      order="IdentificationHeadlineWorkExperience
     EducationSkillsAchievementReferenceTo"/>
    <Field
      name="LearnerInfo.Identification"
      show="true"/>
    <Field
      name="LearnerInfo.Identification.PersonName"
      show="true"
      order="FirstNameSurname"/>
  </Document>
  <Document type="ECL">
    <Field
      name="LearnerInfo.Identification.PersonName"
      show="true"
      order="FirstName Surname"/>
    <Field
      name="CoverLetter.Addressee.PersonName"
      show="true"
      order="Title FirstName Surname"/>
    <Field
      name="CoverLetter.Letter.Localisation.Date"
      show="false"
      format="text/long"/>
    <Field
      name="CoverLetter.Letter.Localisation"
      show="false"
      order="Place Date"/>
    <Field
      name="CoverLetter"
      show="false"
      justify="true"
      order="Addressee    Letter.Localisation    Letter.SubjectLine
Letter.OpeningSalutation Letter.Body Letter.ClosingSalutation"/>
  </Document>
</PrintingPreferences>
```

4.5 SkillsPassport/ LearnerInfo

LearnerInfo is a core element of Europass schema, as it includes all information about personal data, learning achievements, work experiences, skills, competences, diplomas and other miscellaneous information.

The **LearnerInfo** element adheres to the data type **LearnerInfoType**, which is presented in details below. This data type defines a specific sequence of child elements.



Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
/SkillsPassport/ **LearnerInfo**	Identification: europass:IndentificationType- S(0/1) Headline: [complexType] - S(0/1) WorkExperienceList: [complexType] - S(0/1) EducationList: [complexType] - S(0/1) Skills: [complexType] - S(0/1) AchievementList: [complexType] - S(0/1) Documentation: europass:IntraDocumentDocumentationType - S(0/1)	A core element of Europass schema, as it includes all information about personal data, learning achievements, work experiences, skills, competences, diplomas and other miscellaneous information.
/SkillsPassport/ LearnerInfo/ **Identification**	PersonName: europass:PersonNameType - S(0/1) ContactInfo: europass:ContactInfoType - S(0/1) Demographics:europass:DemographicsType- S(0/1) Photo: europass:PhotoDataType - S(0/1) Signature: europass:SignatureDataType -	Contains the personal information of the individual, which includes at least the name, and optionally contact information, demographics, photo and signature.

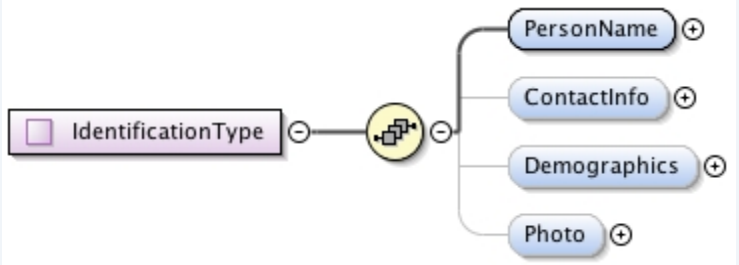
	S(0/1)	
/SkillsPassport/ LearnerInfo/ **Headline**	Type:europass:HeadlineTypeLabelType - S(0/1) Description:europass:OccupationalFieldType-S(0/1)	Contains a headline label for the current document. It is optional and may accommodate various cases.
/SkillsPassport/ LearnerInfo/ **WorkExperienceList**	WorkExperience: europass:WorkExperienceType - S(0/*)	Contains an list of work experiences. The order of those experiences is defined by the related printing preferences.
/SkillsPassport/ LearnerInfo/ **EducationList**	Education: europass:EducationalExperienceType-S(0/*)	Contains an list of learning achievements or a training periods (formal or not). The order of those experiences is defined by the related printing preferences.
/SkillsPassport/ LearnerInfo/ **Skills**	Linguistic:europass:LinguisticSkillType-S(0/1) Communication:europass:GenericSkillType-S(0/1) Organisational:europass:GenericSkillTypeS(0/1) JobRelated:europass:GenericSkillType-S(0/1) Computer:europass:ComputerSkillType - S(0/1) Driving:europass:DrivingSkillType - S(0/1) Other:europass:GenericSkillType - S(0/1)	Contains a sequence of skills and competences that the learner has acquired during any formal or informal experience.
/SkillsPassport/ LearnerInfo/ **AchievementList**	Achievement:europass:AchievementList - S(0/*)	Contains a list of additional information about the various achievements of an individual, such as participation to conferences, workshops, memberships to organisations, list of publications, etc.
/SkillsPassport/ LearnerInfo/ **Documentation**	ReferenceTo:europass:InternalReferenceType - S(0/*)	Contains a list of references to material attached to this XML instance and which enriched or supports the learner's information.

Instance

```
<LearnerInfo>
  <Identification>{0,1}</Identification>
  <Headline>{0,1}</Headline>
  <WorkExperienceList>{0,1}</WorkExperienceList>
  <EducationList>{0,1}</EducationList>
  <Skills>{0,1}</Skills>
  <AchievementList>{0,1}</AchievementList>
  <Documentation>{0,1}</Documentation>
</LearnerInfo>
```

4.5.1 SkillsPassport/LearnerInfo/Identification

The **Identification** element comprises a subset of elements that organize all the personal information of the individual. Its data type is **IdentificationType**. This type defines that the elements need to at least include the person's name, and optionally contact information, demographics and photo.



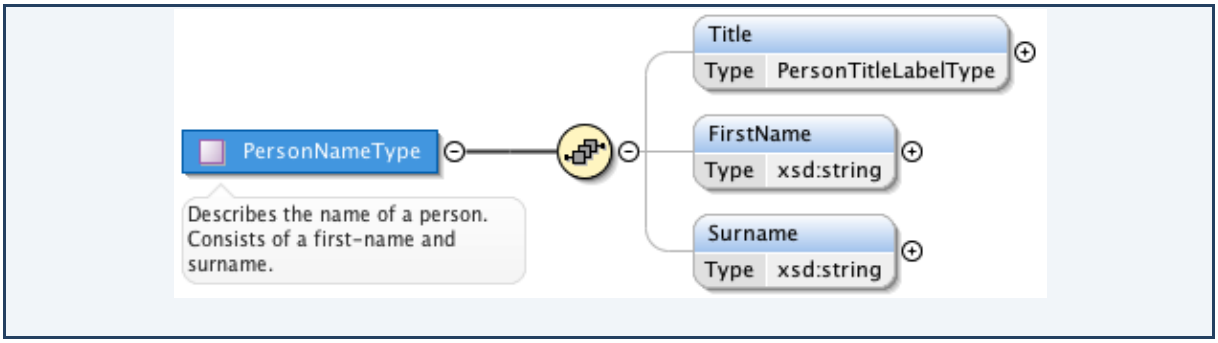
Instance:

```
<Identification>
  <PersonName>{1,1}</PersonName>
  <ContactInfo>{0,1}</ContactInfo>
  <Demographics>{0,1}</Demographics>
  <Photo>{0,1}</Photo>
</Identification>
```

Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
/SkillsPassport/ LearnerInfo **/Identification**	PersonName: europass:PersonNameType - S(1/1) ContactInfo: europass:ContactInfoType - S(0/1) Demographics:europass:DemographicsType- S(0/1) Photo: europass:PhotoDataType - S(0/1)	Contains the personal information of the individual, which includes at least the name, and optionally contact information, demographics and photo.

4.5.1.1 Identification/PersonName

The **PersonName** element contains the full name of an individual that identifies the owner of this document. The element consists of two sub-elements of data type any string.



Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
/SkillsPassport/LearnerInfo /Identification/**PersonName**	Title: PersonTitleLabelType -S(0/1) FirstName: xsd:string -S(0/1) Surname: xsd:string - S(0/1)	Contains the person title, name and the surname of an individual.

Instance:

```
<PersonName>
  <Title>{0,1}</ Title >
  <FirstName>{0,1}</FirstName>
  <Surname>{0,1}</Surname>
</PersonName>
```

Indicative Example:

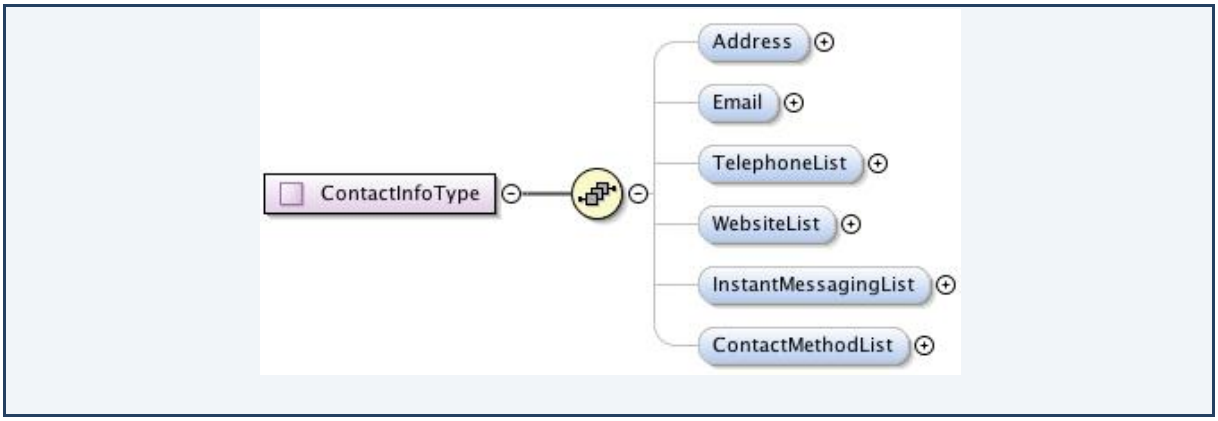
```
<PersonName>
  <Title>
      <Code>dr</Code>
      <Label>Dr.</Label>
  </Title>
  <FirstName>Chuck</FirstName>
  <Surname>NORRIS</Surname>
</PersonName>
```

4.5.1.2 Identification/PersonName/ Title

The **Title** element adheres to type **PersonTitleLabelType**. This type extend the base type **LabelType** by defining that the Code may have any of the values defined according to the simple data type **PersonTitlesCodeEnumeration**. This enumeration defines the following values: “mr”, “ms”, “mrs”, “miss”, “dr”.

4.5.1.3 Identification/ContactInfo

The **ContactInfo** element groups the available means with which an individual may be contacted. Its type is **ContactInfoType** and defines an optional sequence of sub-elements, each representing a difference type of contact info.



Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
/SkillsPassport/LearnerInfo /Identification/**ContactInfo**	Address: ContactAddressType -S(0/1) Email: ContactEmailType - S(0/1) TelephoneList: [complexType]- S(0/1) WebsiteList: [complexType]- S(0/1) InstanceMessagingList:[complexType]- S(0/1) ContactMethodList:[complexType]- S(0/1)	Contains all the available methods of contacting individual.

Instance:

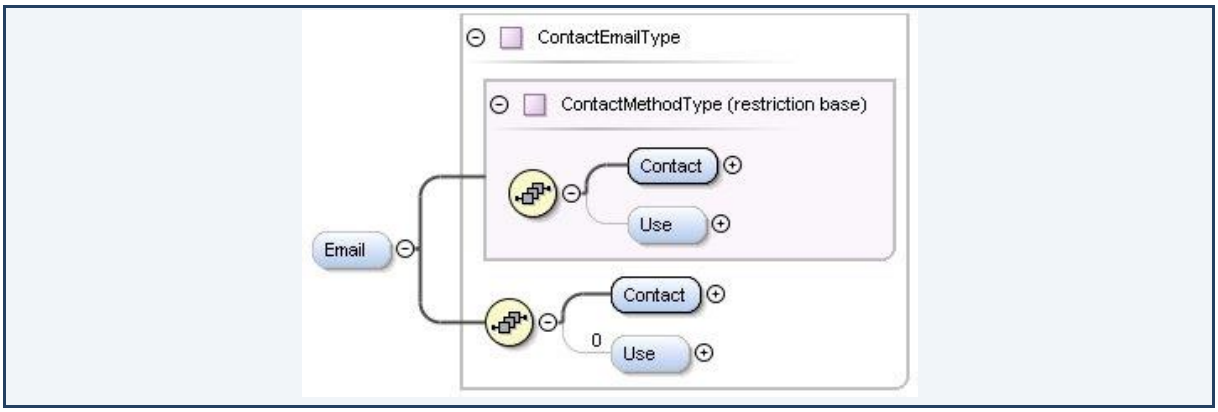
```
<ContactInfo>
  <Address>{0,1}</Address>
  <Email>{0,1}</Email>
  <TelephoneList>{0,1}</TelephoneList>
  <WebsiteList>{0,1}</WebsiteList>
  <InstantMessagingList>{0,1}</InstantMessagingList>
  <ContactMethodList>{0,1}</ContactMethodList>
</ContactInfo>
```

4.5.1.3.1 Identification/ContactInfo/Address

The **Address** element represents the residence address of an individual. Its data type is the **ContactAddressType**(described in 5.5)

4.5.1.3.2 Identification/ContactInfo/Email

The **Email** element defines the email address of an individual. Its data type is **ContactEmailType**, which restricts the **ContactMethodType**(described in 4.5.1.3.6.1) by defining that the Contact sub-element needs to be a string that follows the specified pattern [^@]+@[^\.]+\..+



Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
/SkillsPassport/LearnerInfo/ Identification/ContactInfo/ **Email**	Contact: xsd:string -S(0/1) [pattern]:[^@]+@[^\.]+\..+ Use : xsd:string - S(0/0)	Defines the email address of an individual.

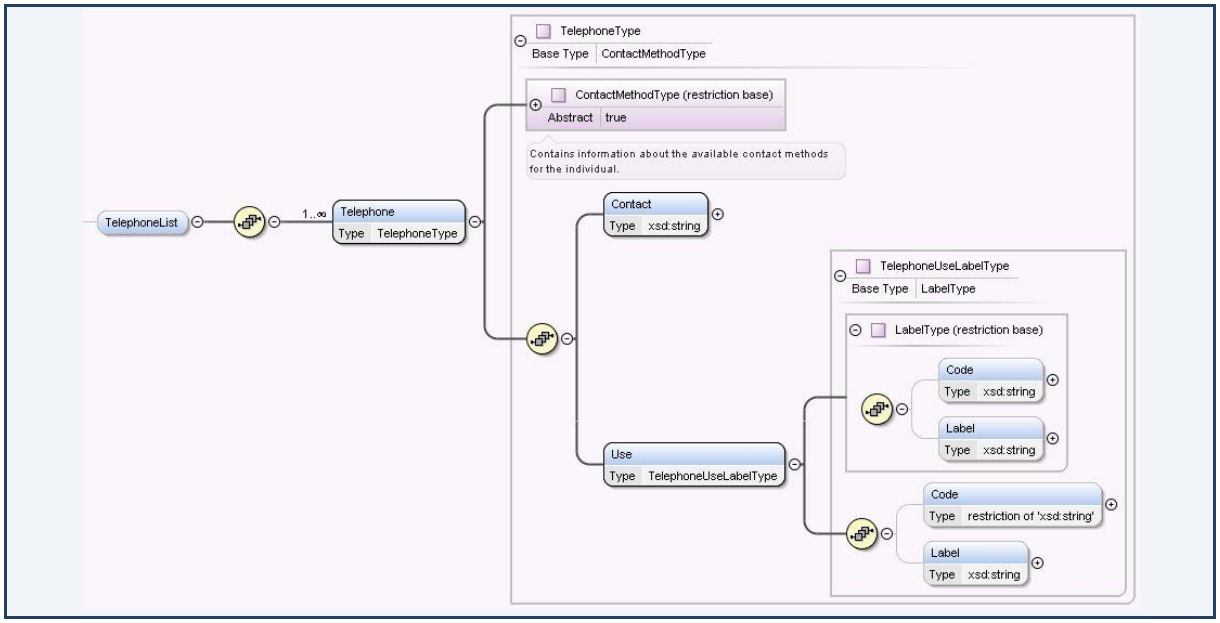
Indicative Example:

```
<Email>
  <Contact>chuck@chucknorrisfacts.com</Contact>
</Email>
```

4.5.1.3.3 Identification/ContactInfo/ TelephoneList

The **TelephoneList** element defines a list of **Telephone** elements. Each Telephone element corresponds to the valid telephone number of owned by an individual.

A Telephone element adheres to the **TelephoneType**, which restricts the **ContactMethodType**(described in 4.5.1.3.6.1) by specifying that the **Use** element needs to follow the data type **TelephoneUseLabelType**. The TelephoneUseLabelType data-type restricts the **europass:LabelType** (described in 5.1) by defining a specific list of accepted values for the **Use/Code** element (home, work, mobile).



Elements and Attributes	**Compositions** Child Element Content Type **Sequence(S) | Choice(C) | All(A)** **(minOccurs/maxOccurs)** **Attributes(@)**	**Definition**
/SkillsPassport/LearnerInfo/ Identification/ContactInfo/ **TelephoneList**	Telephone: europass:TelephoneType - S(0/unbounded)	Lists the telephone numbers owned by the individual.
/SkillsPassport/LearnerInfo/ Identification/ContactInfo/ TelephoneList/**Telephone**	Contact: xsd:string -S(0/1) Use : europass:TelephoneUseLabelType - S(0/1)	A telephone number owned by the individual.

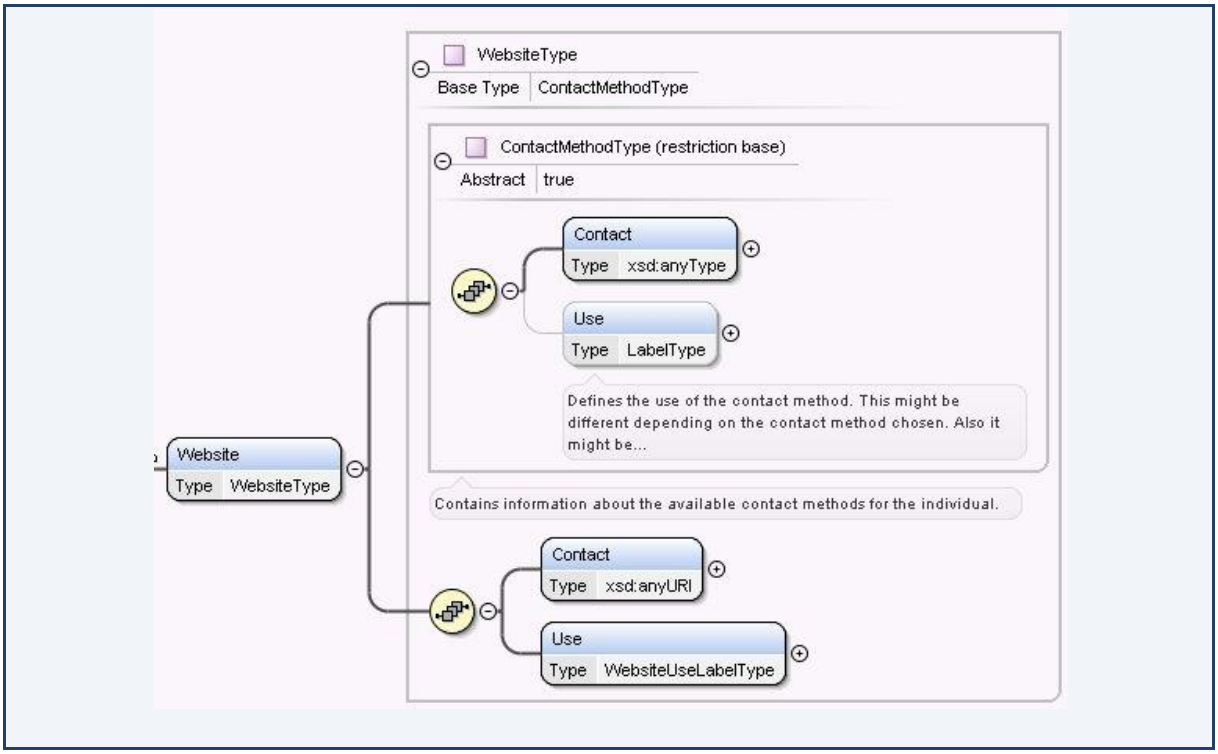
Indicative Example:

```
<TelephoneList>
  <Telephone>
    <Contact>+44 123456789</Contact>
    <Use>
      <Code>mobile</Code>
      <Label>+44 995 666 55</Label>
    </Use>
    </Telephone>
</TelephoneList>
```

4.5.1.3.4 Identification/ContactInfo/ WebsiteList

The **WebsiteList** element defines a list of **Website** elements. Each Website element corresponds to a URI of a website that either belongs to-, refers to- or presents the work of- and individual.

A Website element adheres to the **WebsiteType**, which restricts the **ContactMethodType**(described in 4.5.1.3.6.1) by specifying that the **Label** element needs to be any valid URI, and the **Use** element needs to follow the data type **WebsiteUseLabelType**. The WebsiteUseLabelType data-type restricts the **europass:LabelType** (described in 5.1) by defining a specific list of accepted values for the **Use/Code** element (personal, business, blog, portfolio)



Elements and Attributes	**Compositions** Child Element Content Type **Sequence(S) | Choice(C) | All(A)** **(minOccurs/maxOccurs)** **Attributes(@)**	**Definition**
/SkillsPassport/LearnerInfo/ Identification/ContactInfo/ **WebsiteList**	Website: europass:WebsiteType - S(0/unbounded)	Defines the websites that are owned, built by or refer to the individual.
/SkillsPassport/LearnerInfo/ Identification/ContactInfo/ WebsiteList /**Website**	Contact: xsd:anyUri -S(0/1) Use : europass:WebsiteUseLabelType - S(0/1)	Defines a websites that is owned, built by or refer to the individual.

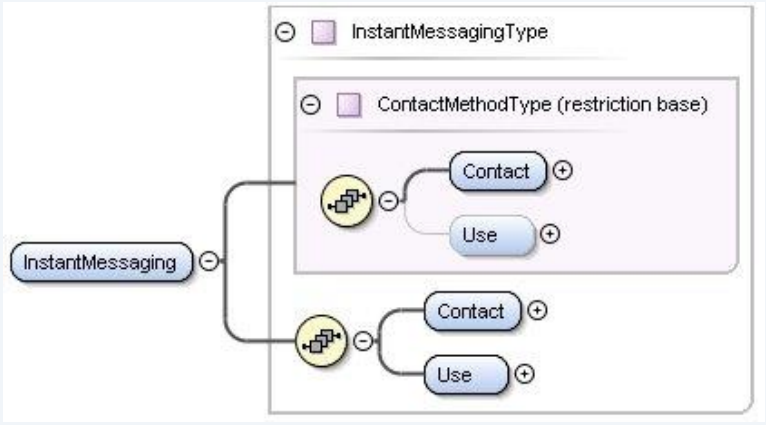
Indicative Example:

```
<WebsiteList>
  <Website>
    <Contact>http://chucknorrisfacts.com</Contact>
    <Use>
      <Code>blog</Code>
      <Label>Blog</Label>
    </Use>
  </Website>
</WebsiteList>
```

4.5.1.3.5 Identification/ContactInfo/ InstantMessagingList

The **InstantMessagingList** element defines a list of **InstantMessaging**elements. Each InstantMessagingelement corresponds to a valid instant messaging account owned by an individual.

A InstantMessaging element adheres to the **InstantMessagingType**, which restricts the **ContactMethodType**(described in 4.5.1.3.6.1) by specifying that the **Use** element needs to follow the data type **InstantMessagingUseLabelType**. The InstantMessagingUseLabelType data-type restricts the **europass:LabelType** (described in 5.1) by defining a specific list of accepted values for the **Use/Code** element (gtalk, skype, icq, aim, msn, yahoo).



Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
/SkillsPassport/LearnerInfo/ Identification/ContactInfo/ **InstantMessagingList**	InstantMessaging: europass:InstantMessagingType - S(0/unbounded)	Lists the instant messaging accounts owned by the individual

/SkillsPassport/LearnerInfo/ Identification/ContactInfo/ InstantMessagingList/ **InstantMessaging**	Contact: xsd:anyType -S(0/1) Use : europass:InstantMessagingUseLabelType-S(0/1)	An instant messaging account

Indicative Example:

```
<InstantMessagingList>
  <InstantMessaging>
    <Contact>chuck.norris</Contact>
      <Use>
        <Code>gtalk</Code>
        <Label>Google Talk</Label>
      </Use>
    </InstantMessaging>
</InstantMessagingList>
```

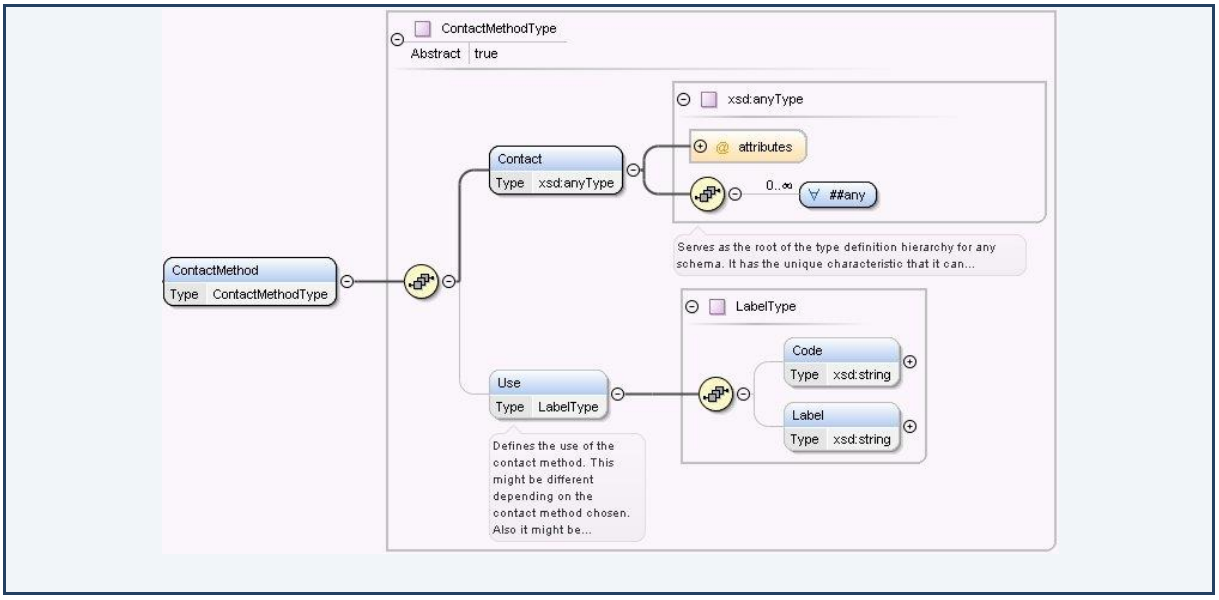
4.5.1.3.6 Identification/ContactInfo/ ContactMethodList

This element lists any other**ContactMethod** elements not already defined. **ContactMethodType** defines the use of the contact method. This might be different depending on the contact method chosen. This is an extension point to accommodate the definition of other contact method, so long as they follow the constraints of the specific contact type.

4.5.1.3.6.1 Identification/ContactInfo/ ContactMethodList/ ContactMethod

A **ContactMethod** element adheres to the **ContactMethodType** data type,which defines a sequence of two sub-elements: **Contact** and **Use**, with Use being optional. The Contact element includes the actual contact information (e.g. the telephone number), while the Use element informs on when/how to use this contact method (e.g. business hours or not).

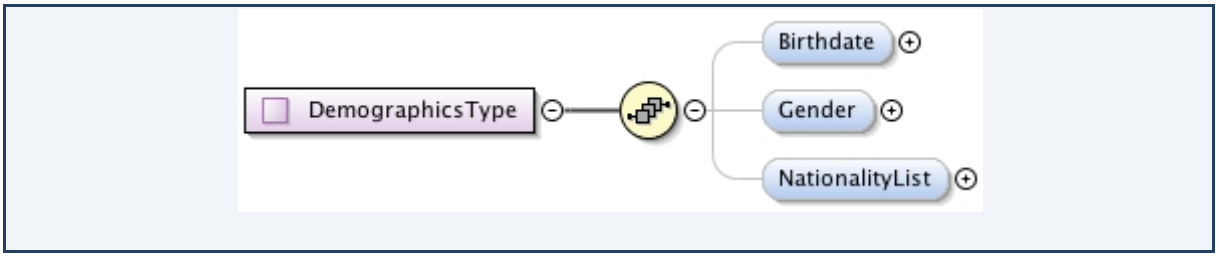
The **Contact** element is of **xsd:anyType**, so that each ContactMethod can further specify it, while the **Use** element is of **europass:LabelType**, defined in 5.1.



Elements and Attributes	**Compositions** Child Element Content Type **Sequence(S) | Choice(C) | All(A)** **(minOccurs/maxOccurs)** **Attributes(@)**	**Definition**
/SkillsPassport/LearnerInfo/ Identification/ContactInfo/ **ContactMethodList**	ContactMethod: europass:ContactMethodType - S(0/unbounded)	Lists any other available contact methods of the individual.
/SkillsPassport/LearnerInfo/ Identification/ContactInfo/ ContactMethodList/ **ContactMethod**	Contact: xsd:anyType -S(0/1) Use : europass:LabelType - S(0/1)	Contains information about any other available contact method of the individual.

4.5.1.4 Identification/Demographics

The **Demographics** element contains demographics-related information about the individual. It adheres to the data type **DemographicsType**, which defines a sequence of optional sub-elements for the date of birth, the gender and a list of applicable nationalities.



Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
Demographics	Birthdate: DateType -S(0/1) Gender: GenderLabelType- S(0/1) NationalityList: - S(0/1)	Contains demographics-related information about the individual. It includes the birthdate, gender and list of nationalities.

Instance:

```
<Demographics>
  <Birthdateday=""month=""year="">{0,1}</Birthdate>
  <Gender>{0,1}</Gender>
  <NationalityList>{0,1}</NationalityList>
</Demographics>
```

4.5.1.4.1 Identification/Demographics/Birthdate

Birthdate adheres to the data type **DateType**. This type defines that an element needs to have at least one attribute for the year, and may optionally have another two attributes for the month and year.

Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
/SkillsPassport/LearnerInfo/ Identification/ Demographics/Birthdate/ **@day** **@month** **@year**	DateType/ xsd:gDay - optional xsd:gMonth - optional xsd:gYear - required	Defines the date of birth of the individual.

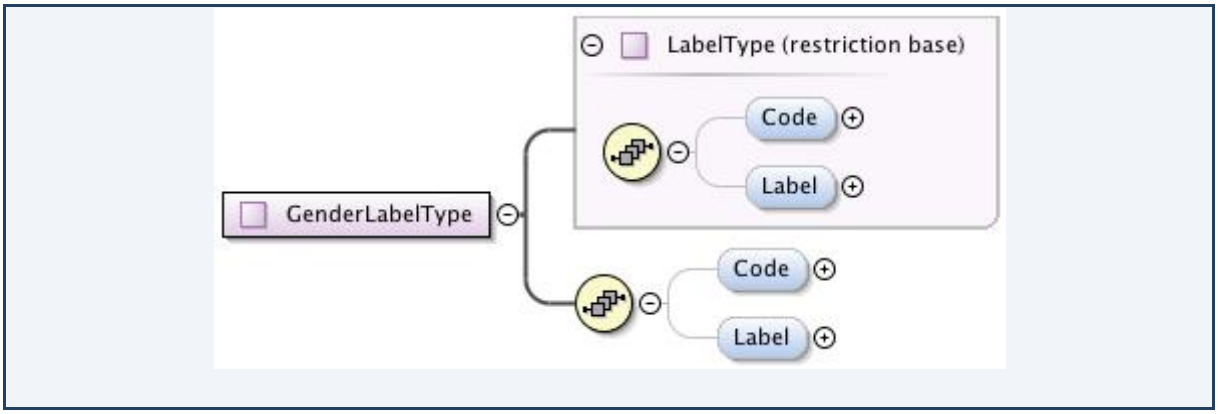
Indicative Example:

```
<Birthdate year="1940" month="--03" day="---10"/>
```

4.5.1.4.2 Identification/Demographics/Gender

The Gender element defines the gender of the individual. It adheres to the data type **GenderLabelType**. This data type restricts the **europass:LabelType** (described in 5.1) by specifying that the **Code** sub-element may only be one of M or F, which correspond to male and

female. The Label sub-element is the label of the Gender, translated to the language of the document.

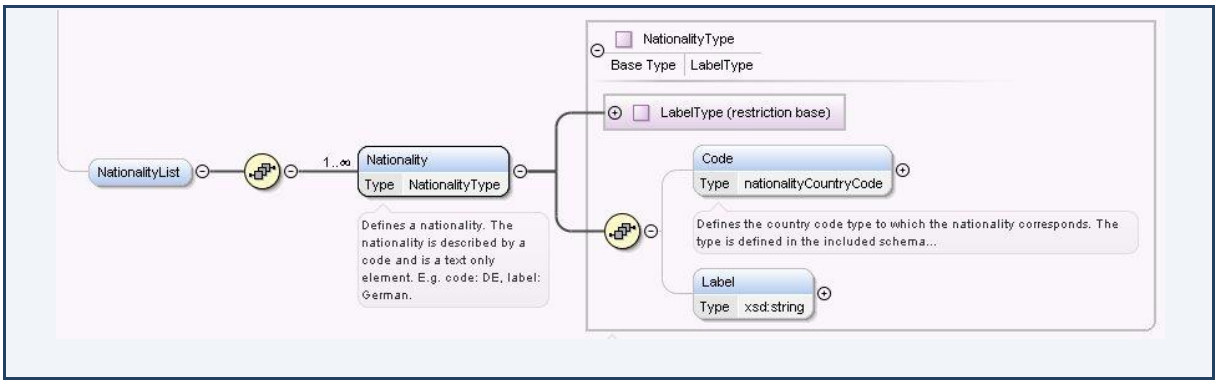


Indicative Example:

```
<Gender>
      <Code>M</Code>
     <Label>Male</Label>
</Gender>
```

4.5.1.4.3 1.2.1.3.3 Identification/Demographics/NationalityList

The **NationalityList** element lists **Nationality** elements. Each Nationality element adheres to the data type of **NationalityType**. This type restricts the **LabelType** by specifying that the **Code** sub-element needs to one of the values defined by the **europass:nationalityCountryCode** in the included schema of "**EuropassNationalities**". The **Label** sub-element is the translation of the specific nationality in the language of the document. E.g. code: DE, label: German.



Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs)	Definition

	Attributes(@)	
/SkillsPassport/LearnerInfo/ Identification/ Demographics/**NationalityList**	Nationality: NationalityType - S(0/unbounded)	Defines a list of all nationalities of an individual.
/SkillsPassport/LearnerInfo/ Identification/ Demographics/ NationalityList/**Nationality**	Code: nationalityCountryCode- S(0/1) Label: xsd:string - S(0/1)	Defines a specific nationality. The type of the Code element is defined in the included schema "**EuropassNationalities**".

Instance:

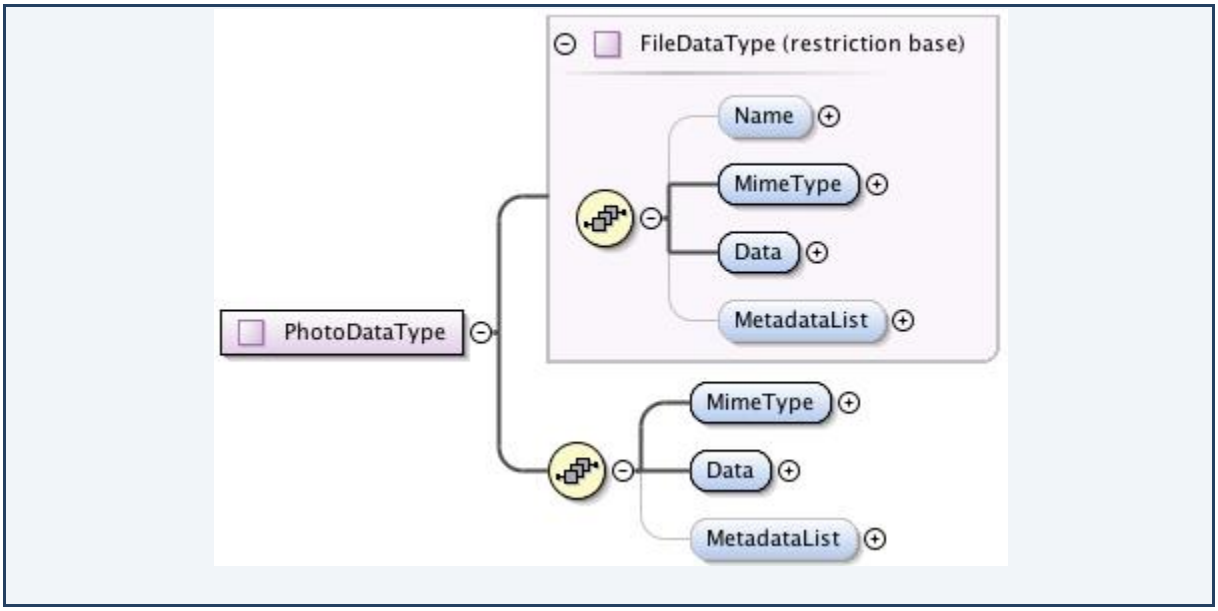
```
<Nationality>
  <Code>{0,1}</Code>
  <Label>{0,1}</Label>
</Nationality>
```

Indicative Example:

```
<NationalityList>
  <Nationality>
    <Code>US</Code>
    <Label>American</Label>
  </Nationality>
  <Nationality>
    <Label>Citizen of the world</Label>
  </Nationality>
</NationalityList>
```

4.5.1.5 Identification /Photo

The **Photo** element includes the base-64 encoded bytes of a JPEG or PNG image file that represents the personal photo of an individual. The element adheres to the **PhotoDataType**, which restricts the **FileDataType** (described in 5.13) by excluding the Name sub-element and specifying the **MimeType** sub-element must follow the **ImageMimeTypeEnumeration** that defines the following values: image/jpeg, image/pjpeg, image.png and image/x-png.



Elements and Attributes	**Compositions** Child Element Content Type **Sequence(S) | Choice(C) | All(A)** **(minOccurs/maxOccurs)** **Attributes(@)**	**Definition**
/SkillsPassport/LearnerInfo/ Identification/**Photo**	MimeType: europass:MimeTypeEnumeration -S(1/1) Data: xsd:base64Binary - S(1/1) MetadataList: europass:MetadataListType - S(0/1)	Contains the base-64 encoded bytes of a JPEG or PNG image file that represents the personal photo of an individual
/SkillsPassport/LearnerInfo/ Identification/ Photo/**MimeType**	Restriction base oneuropass:MimeTypeEnumeration [Enumeration]: value="image/jpeg" value="image/pjpeg" value="image/png" value="image/x-png" value="application/pdf"	Defines the MimeType of the Photo element.

Instance:

```
<Photo>
  <MimeType>{1,1}</MimeType>
  <Data>{1,1}</Data>
  <MetadataList>{0,1}</MetadataList>
</Photo>
```

Indicative Example:

```
<Photo>
  <MimeType>image/jpeg</MimeType>
  <Data><!-- Photo based-64 encoded bytes go here --></Data>
  <MetadataList>
    <Metadata key="photo-dimensions" value="100x110"/>
  </MetadataList>
</Photo>
```

4.5.1.6 Identification /Signature

The **Signature** element includes the base-64 encoded bytes of a JPEG or PNG image file that represents the personal signature of an individual. The element adheres to the **SignatureDataType**, which is identical to the **PhotoDataType** (described in 4.5.1.5).

Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
/SkillsPassport/LearnerInfo/ Identification/**Signature**	MimeType: europass:MimeTypeEnumeration -S(1/1) Data: xsd:base64Binary - S(1/1) MetadataList: europass:MetadataListType - S(0/1)	Contains the base-64 encoded bytes of a JPEG or PNG image file that represents the personal signature of an individual
/SkillsPassport/LearnerInfo/ Identification/ Signature/**MimeType**	Restriction base oneuropass:MimeTypeEnumeration [Enumeration]: value="image/jpeg" value="image/pjpeg" value="image/png" value="image/x-png" value="application/pdf"	Defines the MimeType of the Signature element.

Instance:

```
<Signature>
  <MimeType>{1,1}</MimeType>
  <Data>{1,1}</Data>
  <MetadataList>{0,1}</MetadataList>
</Signature
```

Indicative Example:

```
<Signature>
  <MimeType>image/jpeg</MimeType>
  <Data><!-- Photo based-64 encoded bytes go here --></Data>
  <MetadataList>
```

```
    <Metadata key="signature-dimensions" value="250x150"/>
  </MetadataList>
</Signature>
```

4.5.2 SkillsPassport/LearnerInfo/Headline

The **Headline** element includes the motivation of the individual for authoring this specific document. It defines a suitable text that may be used to either reveal the purpose of the document (e.g. applying for specific job position or training) or to describe the job position held or pursued.

The element adheres to a complex type that defines a sequence of two sub-elements:

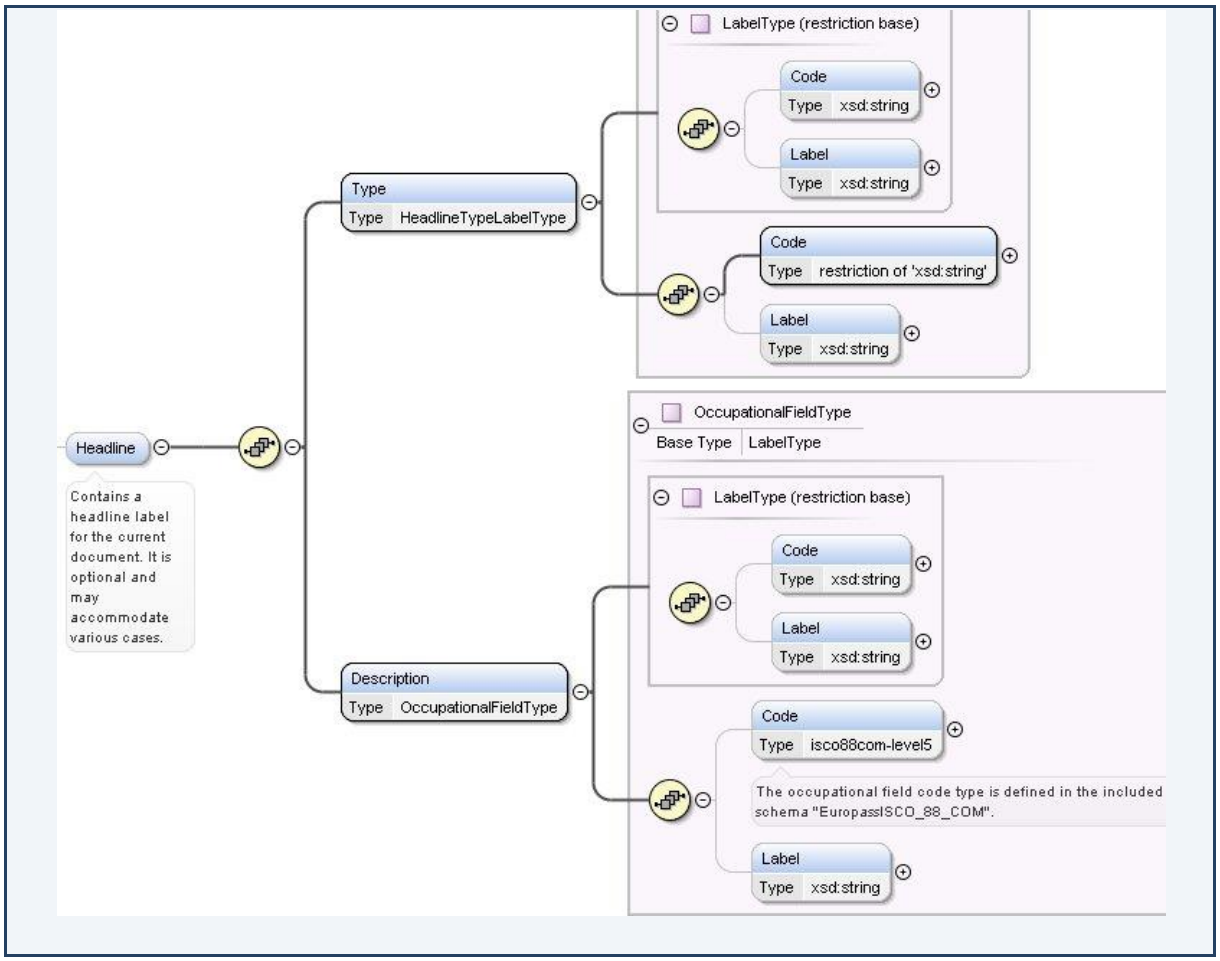
- The **Type** sub-element follows the data type of **HeadlineTypeLabelType**. This type in turn restricts the **LabelType** by defining that the **Code** sub-element may only be one of the following values: preferred_job, job_applied_for, studies_applied_for and position. The **Label** sub-element is actually the translation of the type in the language of the document.
- The **Description** sub-element follows the data type of **OccupationalFieldType** (described in 5.2).

Instance:

```
<Headline>
  <Type>{1,1}</Type>
  <Description>{1,1}</Description>
</Headline>
```

Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
SkillsPassport /LearnerInfo **Headline**	Type:europass:HeadlineTypeLabelType - S(0/1) Description:europass:OccupationalFieldType- S(0/1)	Contains a headline label for the current document. It is optional and may accommodate various cases.

Data Type	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
HeadlineTypeLabelType	Code:europass:HeadlineTypeLabelType - S(0/1) [enumeration] :"preferred_job" [enumeration] :"job_applied_for" [enumeration] :"studies_applied_for" [enumeration] :"position" [enumeration] :"personal_statement" Label: xsd:string -S(0/1)	Defines the accepted types of headline. The **Code** may only be one of the defined enumeration values. The **Label** is actually the translated text of the type to the language of the document.

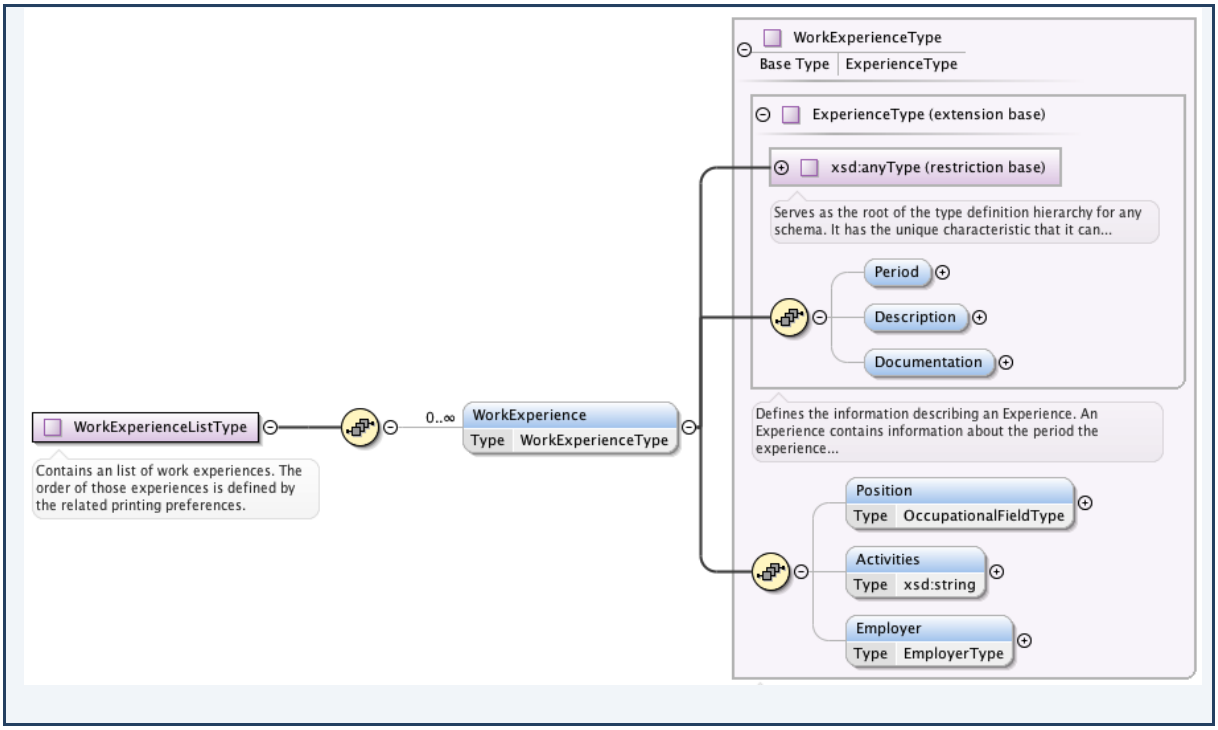


4.5.3 SkillsPassport/LearnerInfo/WorkExperienceList and WorkExperience

This section of the XML document lists the work positions that an individual held. For each work experience one can find further information on the period, the position title, the employer and the activities that concern it.

The section is described by a **WorkExperienceList** element, which accepts a list of **WorkExperience**elements. Each WorkExperience element adheres to the data type **WorkExperienceType**.

The **WorkExperienceType** data type extends the **ExperienceType**(described in 5.9) data type by further defining three sub-elements. That said, a **WorkExperience** element must have a **Period** element, denoting the period during which the work experience took place, and a **Position** element, denoting the position title held. Optionally it may also include the elements **Description** and **Documentation** (inherited from the **ExperienceType**) and also the elements **Activities** and **Employer**(added by the **WorkExperienceType**).



Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
SkillsPassport /LearnerInfo/ **WorkExperienceList**	WorkExperience: europass:WorkExperienceType - S(0/unbounded)	Lists the work experiences of an individual.

SkillsPassport /LearnerInfo/ WorkExperienceList/ **WorkExperience**	Extension base europass:ExperienceType Period: europass:PeriodType - S(0/1) Description: xsd:string - S(0/1) Documentation: europass:IntraDocumentDocumentationType - S(0/1) **Position**: OccupationalFieldType - S(0/1) **Activities**: xsd:string - S(0/1) **Employer**: europass:EmployerType - S(0/1)	Extends the generic ExperienceType to include further information about a work experience, like the Position, Activities and Employer.

Instance:

```
<WorkExperienceList>
  <WorkExperience>{0,unbounded}</WorkExperience>
</WorkExperienceList>
```

and

```
<WorkExperience>
  <Period>{0,1}</Period>
  <Description>{0,1}</Description>
  <Documentation>{0,1}</Documentation>
  <Position>{0,1}</Position>
  <Activities>{0,1}</Activities>
  <Employer>{0,1}</Employer>
</WorkExperience>
```

Indicative Example:

```
<WorkExperienceList>
  <WorkExperience>
    <Period>
      <From year="2001"/>
      <Current>true</Current>
    </Period>
    <Documentation>
      <ReferenceTo idref="ATT_1"/>
    </Documentation>
    <Position><Label>Martial Arts Instructor</Label></Position>
    <Activities>Main activities and responsibilities include preparing
class plans.</Activities>
    <Employer>
      <Name>School of Ninjutsu</Name>
      <ContactInfo>
        <Address>
          <Contact>
            <Country>
              <Code>JP</Code>
              <Label>Japan</Label>
            </Country>
          </Contact>
        </Address>
        <Website>
          <Contact>http://mybusiness.com</Contact>
        </Website>
```

```
      </ContactInfo>
      <Sector>
        <Code>Q</Code>
        <Label>Human health and social work</Label>
      </Sector>
    </Employer>
  </WorkExperience>
</WorkExperienceList>
```

4.5.3.1 WorkExperience/Period

The **Period** element defines the period during which the specific work experience took place. It follows the **PeriodType** (described in 5.10).

Instance:

```
<Period>
  <From day=""month=""year="">{0,1}</From>
  <Today=""month=""year="">{0,1}</To>
  <Current>{0,1}</Current>
</Period>
```

Indicative Example:

```
<Period>
  <From year="2001"year="10"/>
  <Current>true</Current>
</Period>
```

4.5.3.2 WorkExperience/Documentation

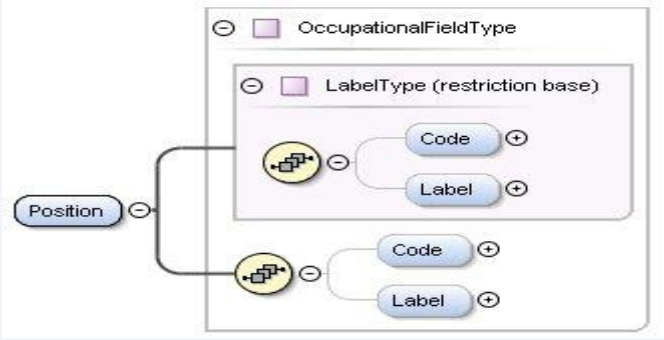
The **Documentation** element provides a list of references to digital documents that are attached to the specific Europass Document and included in the XML Document, and which are related to this specific work experience.

An individual can attach one or more relevant documents that verify or describe the specific work experience included in the Europass Document.

The Documentation element follows the **IntraDocumentDocumentationType** data type (described in 5.12).

4.5.3.3 WorkExperience/Position

The **Position** elementdescribed the position held by the individual during her work experience. It follows the **OccupationalFieldType** data type (described in 5.2).



Instance:

```
<Position>
  <Code>{0,1}</Code>
  <Label>{0,1}</Label>
</Position>
```

Indicative Example:

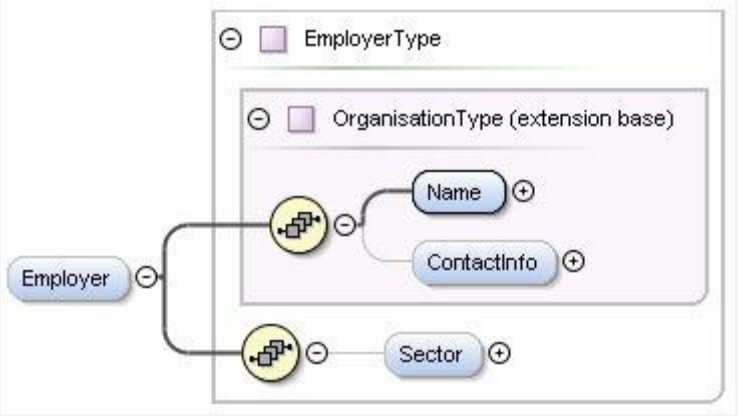
```
<Position>
  <Label>Martial Arts Instructor</Label>
</Position>
```

4.5.3.4 WorkExperience/Employer

The **Employer** element describes the organisation with which the individual cooperated during her work experience.

The **Employer** element adheres to the **EmployerType** data type, which extends the **OrganisationType** data type (described in 5.6), by specifying the additional optional element **Sector**, for describing the business sector to which the employer belongs to.

The **Sector** element follows the data type **europass:BusinesSectorType** which is defined in the imported namespace "**nace:http://europass.cedefop.europa.eu/NACE**"



Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
SkillsPassport/ LearnerInfo/ WorkExperienceList/ WorkExperience/ **Employer**	**Extension europass:OrganisationType** Name: xsd:string - S(0/1) ContactInfo:europass:OrganisationalContactInfoType - S(0/1) **Sector**:europass:BusinesSectorType - S(0/1)	Describes the organisation with which the individual cooperated during her work experience.

Indicative Example:

```
<Employer>
  <Name>School of Ninjutsu</Name>
  <ContactInfo>
    <Address>
      <Contact>
        <Country>
          <Code>JP</Code>
          <Label>Japan</Label>
        </Country>
      </Contact>
    </Address>
    <Website>
      <Contact>http://mybusiness.com</Contact>
      <Use><Code>business</Code></Use>
    </Website>
  </ContactInfo>
  <Sector>
    <Code>Q</Code>
    <Label>Human health and social work</Label>
  </Sector>
</Employer>
```

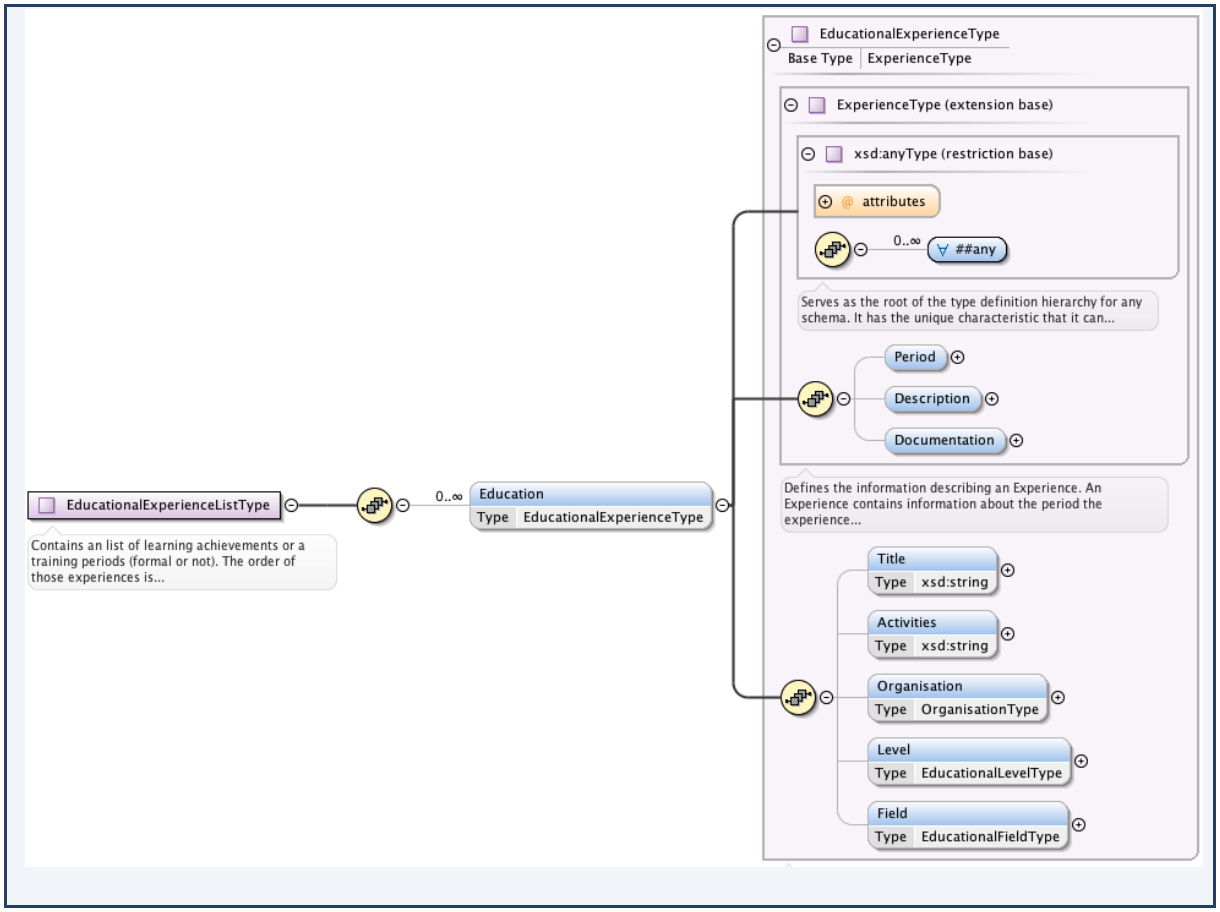
4.5.4 SkillsPassport/LearnerInfo/EducationList and Education

This section of the XML document lists the education or training experiences that an individual attended. For each education experience one can find further information on the period, the awarded title, the organisation providing the education or training, the activities that were carried out during this experience, as well as information on the educational field and educational level to which this experience is classified.

The section is described by an **EducationList** element, which accepts a list of **Education** elements. Each Education element adheres to the data type **EducationalExperienceType**.

The **EducationalExperienceType** data type extends the **ExperienceType** (described in 5.9) data type by further defining three sub-elements. That said, a

EducationalExperienceTypeelement must have a **Period** element, denoting the period during which the education experience took place, and a **Title** element, denoting the title awarded. Optionally it may also include the elements **Description** and **Documentation** (inherited from the **ExperienceType**) and also the elements **Activities**, **Organisation**, **Level** and **Field** (added by the **EducationalExperienceType**).



Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
SkillsPassport / LearnerInfo/ **EducationList**	Education: europass:EducationExperienceType - S(1/unbounded)	Lists all education or training experiences of an individual.
SkillsPassport / LearnerInfo/ EducationList/ **Education**	Extension base europass:ExperienceType Period: europass:PeriodType - S(0/1) Description: xsd:string - S(0/1) Documentation: europass:IntraDocumentDocumentationType - S(0/1) **Title**: OccupationalFieldType - S(0/1)	Extends the generic ExperienceType to include further information about an education experience, like the Title, Activities, Organisation, Level and Field.

	Activities: xsd:string - S(0/1) **Organisation**: europass:OrganisationType - S(0/1) **Level**: europass:EducationalLevelType - S(0/1) **Field**: europass:EducationalFieldType - S(0/1)	

Instance:

```
<EducationList>
  <Education>{0,unbounded}</Education>
</EducationList>
```

and

```
<Education>
  <Period>{0,1}</Period>
  <Description>{0,1}</Description>
  <Documentation>{0,1}</Documentation>
  <Title>{0,1}</Title>
  <Activities>{0,1}</Activities>
  <Organisation>{0,1}</Organisation>
  <Level>{0,1}</Level>
  <Field>{0,1}</Field>
</Education>
```

Indicative example:

```
<EducationList>
  <Education>
    <Period>
      <From year="1995"month="10" day="05"/>
      <To year="2000" month="09" day="30"/>
    </Period>
    <Documentation>
      <ReferenceTo idref="ATT_1"/>
      <ReferenceTo idref="ATT_2"/>
    </Documentation>
    <Title>Martial Arts</Title>
    <Activities>Principal Subjects covered</Activities>
    <Organisation>
      <Name>The University of Chicago</Name>
      <ContactInfo>
        <Address>
          <Contact>
            <Country>
              <Code>US</Code>
              <Label>United States</Label>
            </Country>
          </Contact>
        </Address>
      </ContactInfo>
    </Organisation>
```

```
    <Level>
      <Code>6</Code>
      <Label>EQF 6</Label>
    </Level>
    <Field>
      <Code>21</Code>
      <Label>Arts</Label>
    </Field>
  </Education>
</EducationList>
```

4.5.4.1 Education/Period

The **Period** element defines the period during which the specific education or training experience took place. It follows the **PeriodType** (described in 5.10).

Instance:

```
<Period>
  <From day=""month=""year="">{1,1}</From>
  <Today=""month=""year="">{0,1}</To>
  <Current>{0,1}</Current>
</Period>
```

Indicative Example:

```
<Period>
  <From year="2001" year="10"/>
  <To year="2004" year="12"/>
</Period>
```

4.5.4.2 Education /Documentation

The **Documentation** element provides a list of references to digital documents that are attached to the specific Europass Document and included in the XML Document, and which are related to this specific education or training experience.

An individual can attach one or more relevant documents that verify or describe the specific ducation experience included in the Europass Document.

The Documentation element follows the **IntraDocumentDocumentationType** data type (described in 5.12).

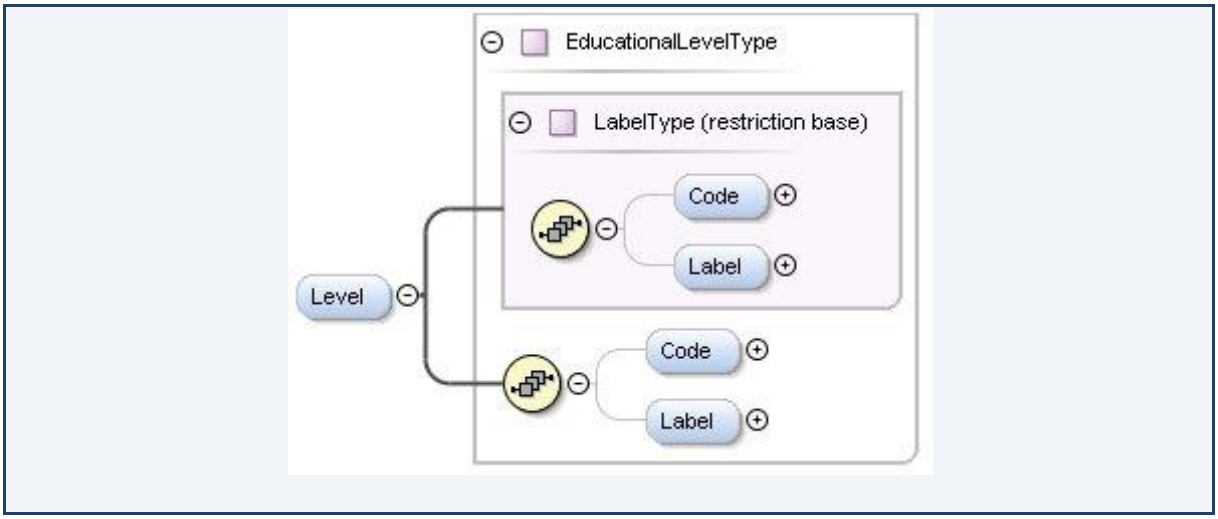
4.5.4.3 Education/Organisation

The **Organisation** element provides information about the organisation that provided the specific education or training experience. The element adheres to the data type **OrganisationType** (described in 5.6).

4.5.4.4 Education/Level

The **Level**elements provides information on how could this specific education or training experience be classified according to a specific classification scheme.

The Level element adheres to the **EducationalLevelType** data type. This type restricts the **LabelType** by specifying that the Code element must be of type **eqf:level**, as this is defined in the imported namespace "**eqf:http://europass.cedefop.europa.eu/EQF/08**"



Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
SkillsPassport /LearnerInfo/ EducationList/ Education/ **Level**	Code: eqf:level- S(0/1) Label: xsd:string - S(0/1)	Describes the level to which this education is classified. The Code element when present must take one of the enumeration values defined by the eqf:leveltype from the imported namespace of **eqf:http://europass.cedefop.europa.eu/EQF/08**

Indicative example:

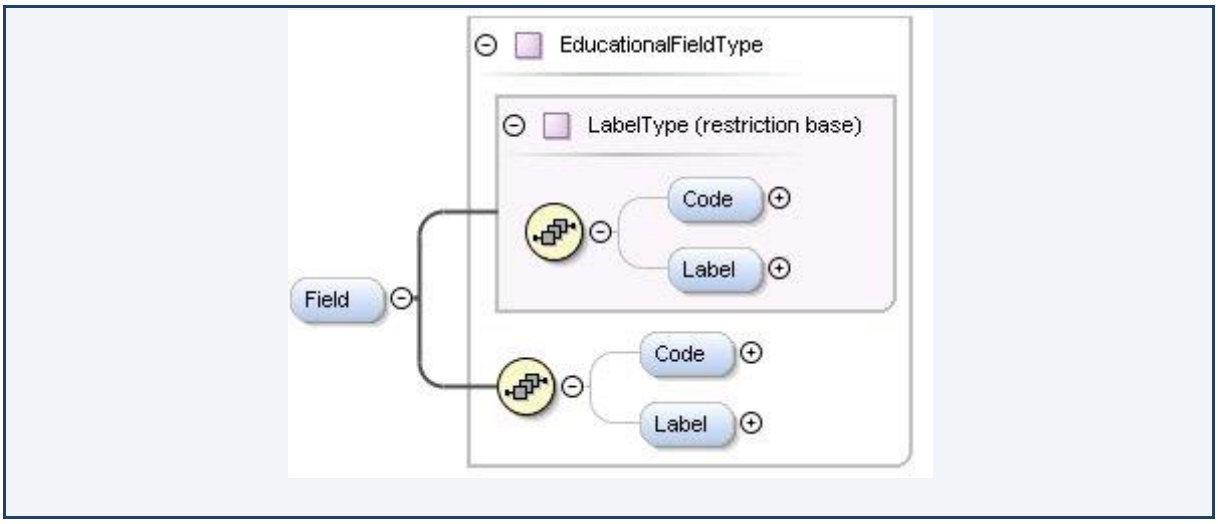
```
<Level>
  <Code>6</Code>
  <Label>EQF 6</Label>
</Level>
```

4.5.4.5 Education/Field

The **Field**element provides information on how could the field this specific education or training experience relates to according to a specific taxonomy.

The Field element adheres to the **EducationalFieldType** data type. This type restricts the **LabelType** by specifying that the Code element must be of type **isced:field-level2**, as this is defined in the imported namespace "**isced:http://europass.cedefop.europa.eu/ISCED/97**"

Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
SkillsPassport/ LearnerInfo/ EducationList/ Education/ **Field**	Code: isced:field-level2 - S(0/1) Label: xsd:string - S(0/1)	Describes the field this specific education or training experience relates to according to a specific taxonomy. The Code element when present must take one of the enumeration values defined by the isced:field-level2 type from the imported namespace of **isced:http://europass.cedefop.europa.eu/ISCED/97**



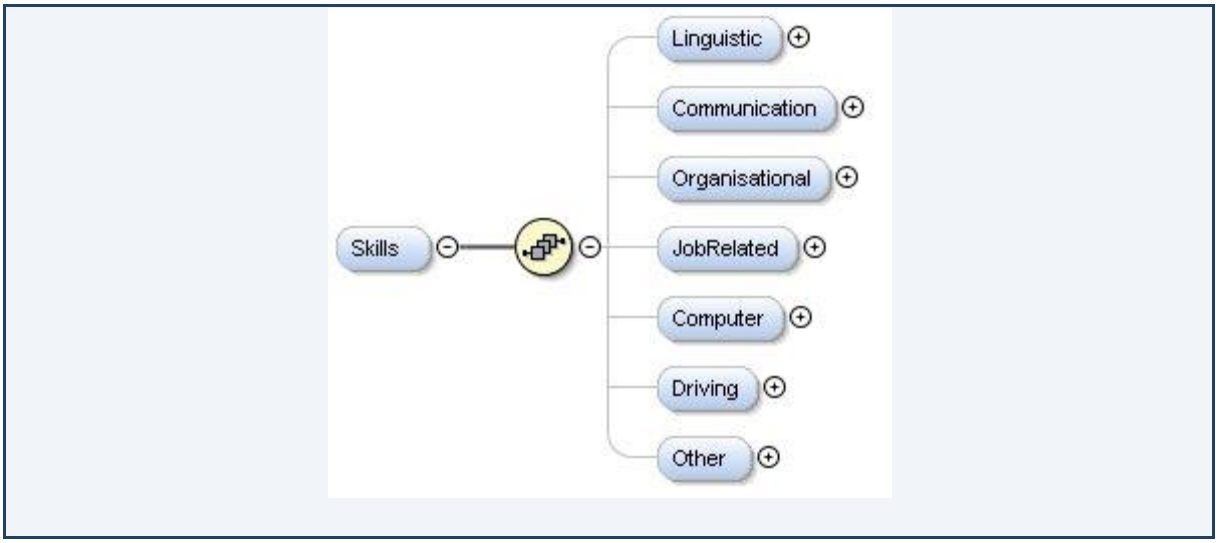
Indicative example:

```
<Field>
  <Code>21</Code>
  <Label>Arts</Label>
</Field>
```

4.5.5 SkillsPassport/LearnerInfo/Skills

The Skills element contains a sequence of skills and competences that the individual has acquired during any formal or informal experience and has decided to include them in the Europass document. The skills are organised into seven categories:

1. Linguistic skills: including details about the mother tongues and the foreign languages that the individual speaks;
2. Communication skills
3. Organisational skills
4. Job-related skills: job related or other technical skills, valuable for the job.
5. Computer skills: skills that reveal knowledge of working with information systems.
6. Driving skills: driving skills that are verified by the driving licences owned.
7. Other: any other skill that is relevant and provided added value to the individual.



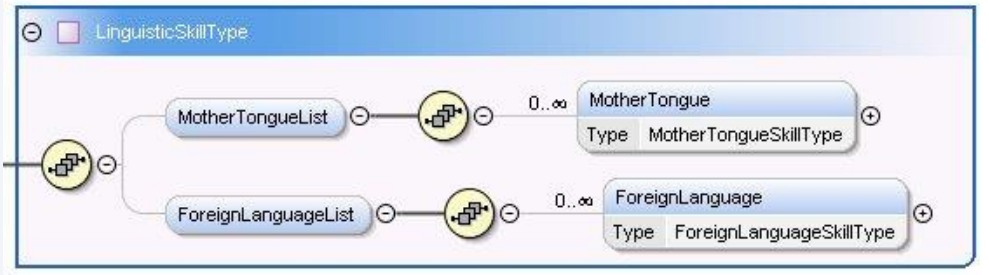
Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
SkillsPassport / LearnerInfo/ **Skills**	Linguistic: europass:LinguisticSkillType- S(0/1) Communication: europass:GenericSkillType- S(0/1) Organisational:europass:GenericSkillType- S(0/1) JobRelated:europass:GenericSkillType- S(0/1) Computer:europass:ComputerSkillType- S(0/1) Driving: europass:DrivingSkillType- S(0/1) Other:europass:GenericSkillType- S(0/1)	Defines the skills and competences that the individual has acquired during any formal or informal experience.

Instance:

```
<Skills>
  <Linguistic>{0,1}</Linguistic>
  <Communication>{0,1}</Communication>
  <Organisational>{0,1}</Organisational>
  <JobRelated>{0,1}</JobRelated>
  <Computer>{0,1}</Computer>
  <Driving>{0,1}</Driving>
  <Other>{0,1}</Other>
</Skills>
```

4.5.5.1 Skills/Linguistic

The **Linguistic**element refers to the ability of the individual to communicate in various languages. It adheres to the **LinguisticSkillType**, which defines a sequence of two sub-elements: **MotherTongueList** and **ForeignLnaguageList**, described in detail below.



Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
SkillsPassport / LearnerInfo/ Skills/**Linguistic**	MotherTongueList: [complexType]S(0/1) ForeignLanguageList: [complexType]S(0/1)	Refers to the ability of the individual to communicate in various languages/

Instance:

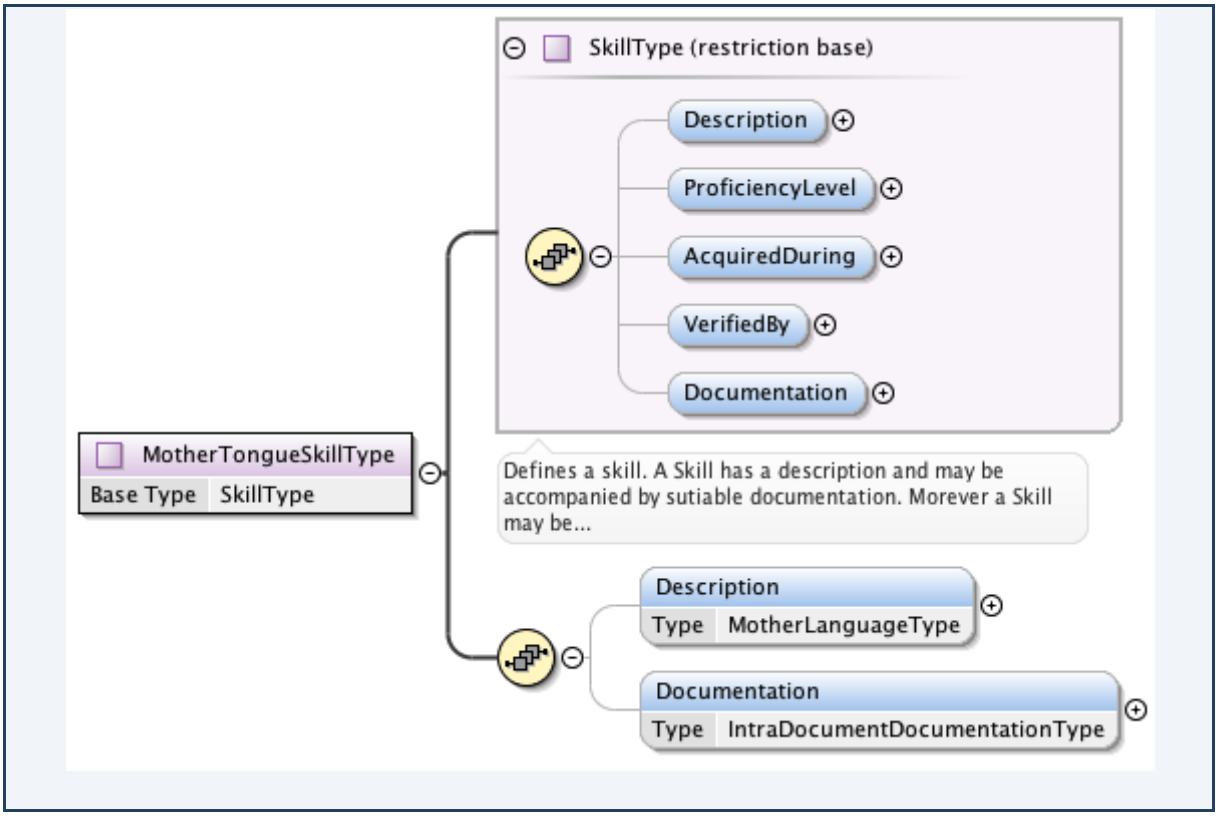
```
<Linguistic>
<MotherTongueList>{0,1}</MotherTongueList>
<ForeignLanguageList>{0,1}</ForeignLanguageList>
</Linguistic>
```

4.5.5.2 Skills/Linguistic/MotherTongueList and MotherTongue

The **MotherTongueList** element, lists the languages in which the individual communicates as a native speaker. The data type of the element defines a sequence of **MotherTongue** elements each adhering to the data type **MotherTongueSkillType**.

The **MotherTongueSkillType** restricts the **SkillType** (described in 5.16) by defining that it includes only two sub-elements: Description and Documentation. Moreover, Description adheres to the data type MotherLanguageType.

The **MotherLanguageType** restricts the **LabelType** (described in 5.1) by defining that the Code element must have one of the enumeration values specified by the **europass:motherCode** data type defined in the included schema "**EuropassISOLanguages**".



Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
SkillsPassport / LearnerInfo/ Skills/Linguistic/ **MotherTongueList**	MotherTongue: europass:MotherTongueSkillType-S(0/unbounded)	Lists the languages in which the individual communicates as a native speaker (mother tongue)
SkillsPassport /	Restriction on europass:SkillType	A languages in which the

LearnerInfo/ Skills/Linguistic/ MotherTongueList/ **MotherTongue**	Description: europass:MotherLanguageType-S(0/1) Documentation: europass:IntraDocumentDocumentationType-S(0/1)	individual communicates as a native speaker (mother tongue)

Data Type	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
MotherLanguageType	Code: europass:motherCode - S(0/1) [restriction]:xsd:string [enumeration] el [enumeration] de Label:xsd:string - S(0/1)	Defines that this element includes information about mother language. In case the Code element is present, then this should take a value from the enumeration defined by the europass:motherCodein the included schema "**EuropassISOLanguages**".

Instance:

```
<MotherTongueList>
  <MotherTongue>{0,unbounded}</MotherTongue>
</MotherTongueList>
```

and

```
<MotherTongue>
  <Description>{0,1}</Description>
  <Documentation>{0,1}</Documentation>
</MotherTongue>
```

Indicative example:

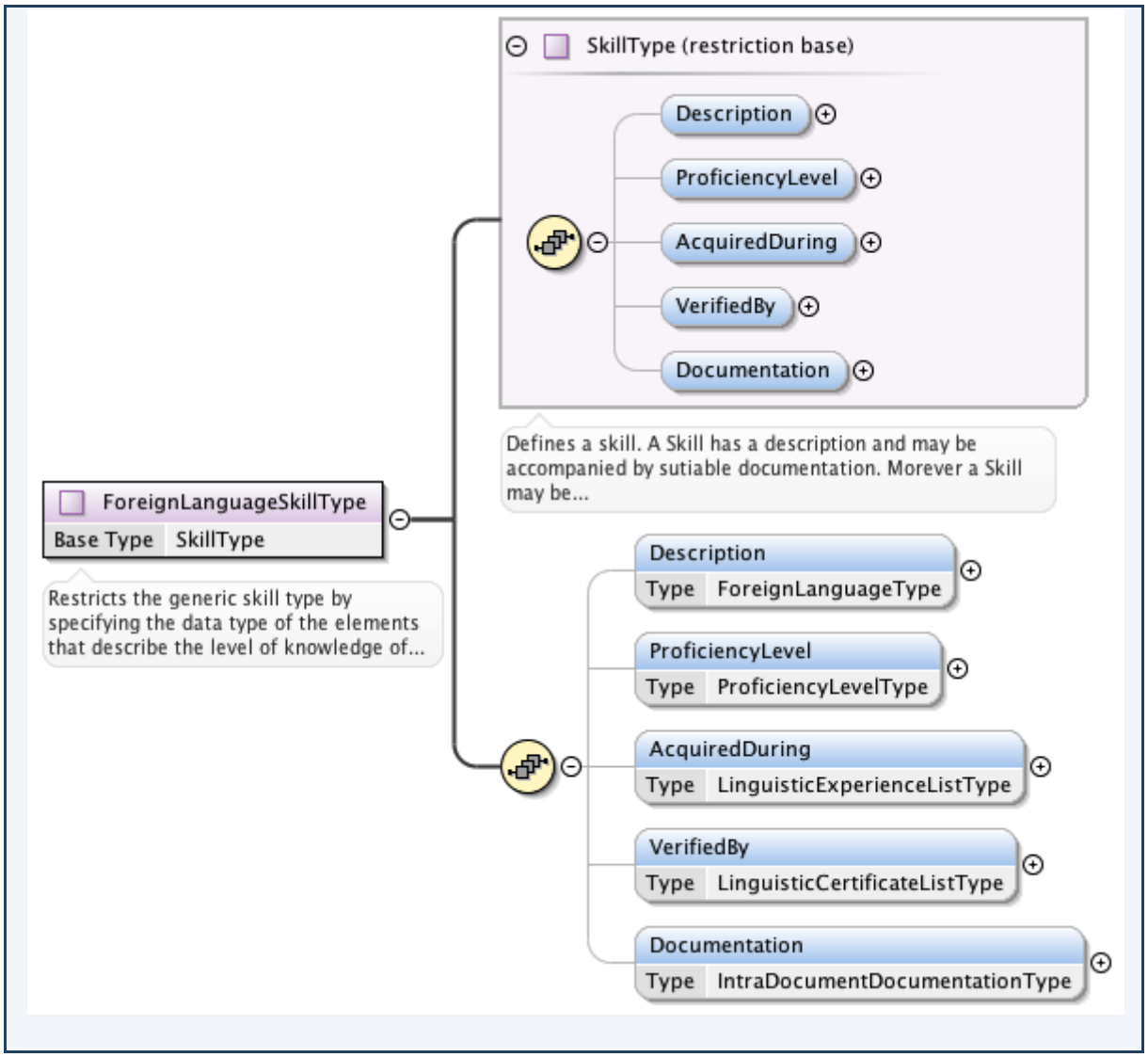
```
<MotherTongueList>
  <MotherTongue>
    <Description>
      <Code>en</Code>
      <Label>English</Label>
    </Description>
  </MotherTongue>
  <MotherTongue>
    <Description>
      <Label>Elvish</Label>
    </Description>
  </MotherTongue>
</MotherTongueList>
```

4.5.5.3 Skills/Linguistic/ForeignLanguageList and ForeignLanguage

The **ForeignLanguageList** element, lists the languages in which the individual communicates at variant levels of competence. The data type of the element defines a sequence of **ForeignLanguage** elements each adhering to the data type **ForeignLanguageSkillType**.

The **ForeignLanguageSkillType** restricts the **SkillType** (described in 5.16) by specifying the data type of the elements that describe the level of knowledge of the language (**ProficiencyLevel**) and related linguistic diplomas (**VerifiedBy**) and/or experiences (**AcquiredDuring**). It also specifies that the **Description** element must adheres to the data type **ForeignLanguageType**.

The **ForeignLanguageType**restricts the **LabelType** (described in 5.1) by defining that the Code element must have one of the enumeration values specified by the **europass:foreignCode** data type defined in the included schema "**EuropassISOLanguages**".



Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
SkillsPassport / LearnerInfo/ Skills/Linguistic/ **ForeignLanguageList**	ForeignLanguage: europass:ForeignLanguageSkillType- S(0/unbounded)	Lists the languages in which the individual communicates at variant levels of competence.
SkillsPassport / LearnerInfo/ Skills/Linguistic/ ForeignLanguageList/ **ForeignLanguage**	Description: europass:ForeignLanguageType- S(0/1) ProficiencyLevel: [complexType]- S(0/1) AcquiredDuring: europass: LinguisticExperienceListType - S(0/1) VerifiedBy: europass: LinguisticCertificateType - S(0/1) Documentation: europass:IntraDocumentDocumentationType - S(0/1)	A language in which the individual communicates at variant levels of competence.

Instance:

```
<ForeignLanguageList>
  <ForeignLanguage>{0,unbounded}</ForeignLanguage>
</ForeignLanguageList>
```

and:

```
<ForeignLanguage>
  <Description>{0,1}</Description>
  <ProficiencyLevel>{0,1}</ProficiencyLevel>
  <AcquiredDuring>{0,1}</AcquiredDuring>
  <VerifiedBy>{0,1}</VerifiedBy>
  <Documentation>{0,1}</Documentation>
</ForeignLanguage>
```

Indicative example:

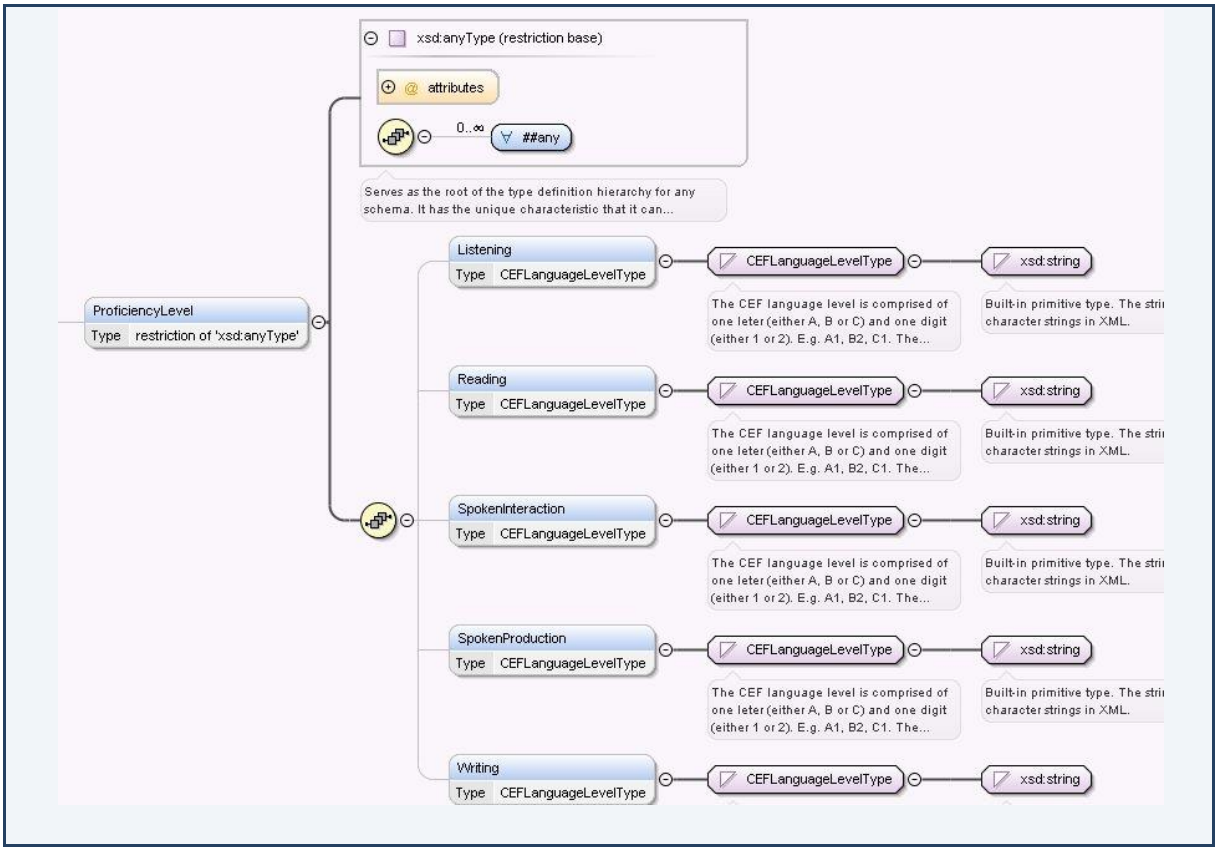
```
<ForeignLanguage>
  <Description>
    <Code>ja</Code>
    <Label>Japanese</Label>
  </Description>
  <ProficiencyLevel>
    <Listening>C1</Listening>
    <Reading>C1</Reading>
    <SpokenInteraction>C1</SpokenInteraction>
    <SpokenProduction>C1</SpokenProduction>
    <Writing>C1</Writing>
  </ProficiencyLevel>
  <VerifiedBy>
    <Certificate>
```

```
      <Title>Cambridge Proficiency</Title>
    </Certificate>
    <Certificate>
      <Title>Michigan Proficiency</Title>
    </Certificate>
  </VerifiedBy>
</ForeignLanguage>
```

4.5.5.3.1 Skills/Linguistic/ForeignLanguageList/ForeignLanguage/ProficiencyLevel

The **ProficiencyLevel** element demonstrates the level of competence for the specific linguistic skill. The evaluation is performed on a self-assessment basis and is based on the classification defined by the Common European Framework of Reference for Languages (CEFR).

The element follows a complex type that defines a sequence of sub-elements each adhering to the data type **CEFLanguageLevelType**, described in 5.17.



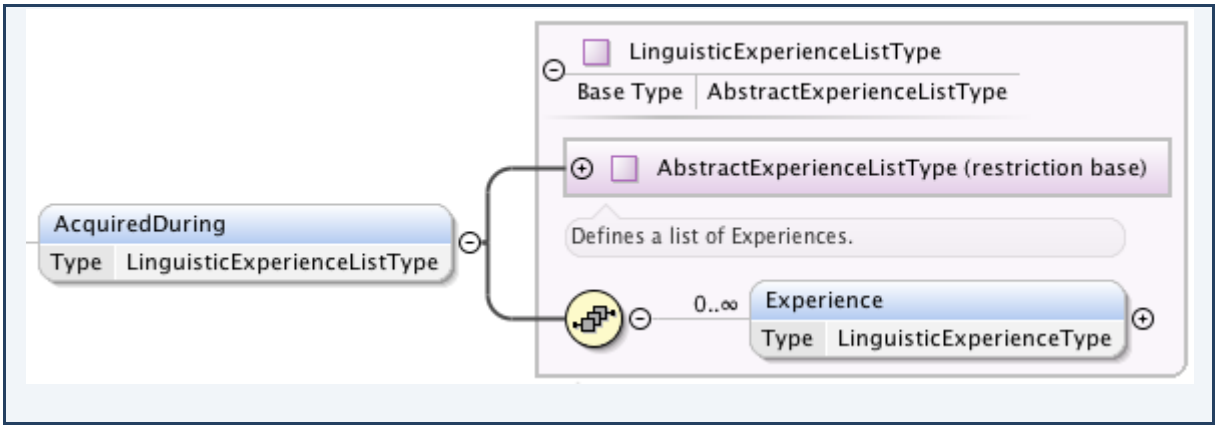
Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
SkillsPassport /LearnerInfo/ Skills/Linguistic/ ForeignLanguageList/ ForeignLanguage/ **ProficiencyLevel**	Listening: europass:CEFLanguageLevelType- S(0/1) Reading: europass:CEFLanguageLevelType- S(0/1) SpokenInteraction: europass:CEFLanguageLevelType - S(0/1) SpokenProduction: europass:CEFLanguageLevelType - S(0/1) Writing: europass:CEFLanguageLevelType - S(0/1)	A detailed break-down of an individual's self assessment about her level of knowledge of a foreign language. The CEF language level is comprised of one letter (either A, B or C) and one digit (either 1 or 2). E.g. A1, B2, C1. The levels are defined by the Common European Framework of Reference for Languages (CEF). employer.

Indicative example:

```
<ProficiencyLevel>
  <Listening>C1</Listening>
  <Reading>C1</Reading>
  <SpokenInteraction>C1</SpokenInteraction>
  <SpokenProduction>C1</SpokenProduction>
  <Writing>C1</Writing>
</ProficiencyLevel>
```

4.5.5.3.2 Skills/Linguistic/ForeignLanguageList/ForeignLanguage/AquiredDuring

The **AcquiredDuring** element lists the experiences that helped an individual to acquire the specific linguistic skill. The data type of this element is the **LinguisticExperienceListType**. This type restricts the abstract type **AbstractExperienceListType** (defined in 5.7)by defining that the included Experience element will be of type **LinguisticExperienceType** instead of **anyType.**



4.5.5.3.2.1 ForeingLanguage/AcquiredDuring/Experience

The **Experience** element adheres to the **LinguisticExperienceType** data type. This type models an experience during which the individual has acquired or improved her knowledge of a foreign language. The data type defines a list of sub-elements, as detailed in the table below:

Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
SkillsPassport /LearnerInfo/ Skills/Linguistic/ ForeignLanguageList/ ForeignLanguage/ AcquiredDuring/ **Experience**	Period: europass:PeriodType- S(0/1) Description: xsd:string- S(0/1) Documentation: europass:IntraDocumentDocumentationType - S(0/1) Area: europass:LinguisticExperienceAreaType - S(0/1)	A detailed break-down of an experience in an individual's life that led to the enrichment of the knowledge of a foreign language. Period: the start and end (optionally) dates of the experience. Description: a text description of what was the experience about. Documentation: a list of material that are attached to the current information set. Area: a categorisation of this linguistic experience.

4.5.5.3.2.2 ForeingLanguage/AcquiredDuring/Experience/Area

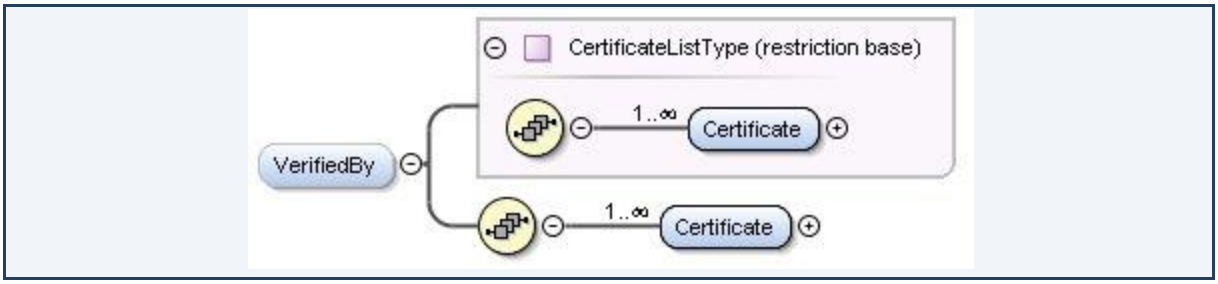
The **Area** element of a Linguistic Experience adheres to the **LinguisticExperienceAreaType** data type. This type defines the category under which the specific linguistic experience may be categorized. The type restricts the generic **LabelType** by specifying that the **Code** element, if it exists, it must accept values that are part of a specific enumeration:

- studying_training_language
- work_language
- living_traveling_language
- mediating_groups_language

4.5.5.3.3 Skills/Linguistic/ForeignLanguageList/ForeignLanguage/VerifiedBy

The **VerifiedBy** element lists the certificates that verify the knowledge of the specific language. The data type of this element is the **CertificateListType** that consists of one ore more **Certificate** elements, each adhering to the **LinguisticCertificateType**.

The **LinguisticCertificateType** restricts the **CertificateType** (described in 5.16) by restricting the allowed type for the Level element in order to be **CEFLanguageLevelType** (described in 5.17).



Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
SkillsPassport /LearnerInfo/ Skills/Linguistic/ ForeignLanguageList/ ForeignLanguage/ **VerifiedBy**	Certificate: europass:LinguisticCertificateType-S(0/unbounded)	A list of certificates that verify a linguistic skill
SkillsPassport /LearnerInfo/ Skills/Linguistic/ ForeignLanguageList/ ForeignLanguage/ VerifiedBy/ **Certificate**	Title: xsd:string-S(0/1) AwardingBody:xsd:string-S(0/1) Date: europass:DateType-S(0/1) Level: europass:CEFLanguageLevelType - S(0/1)	A certificate that verifies linguistic skill

Instance:

```
<VerifiedBy>
  <Certificate>{0,unbounded}</Certificate>
</VerifiedBy>
```

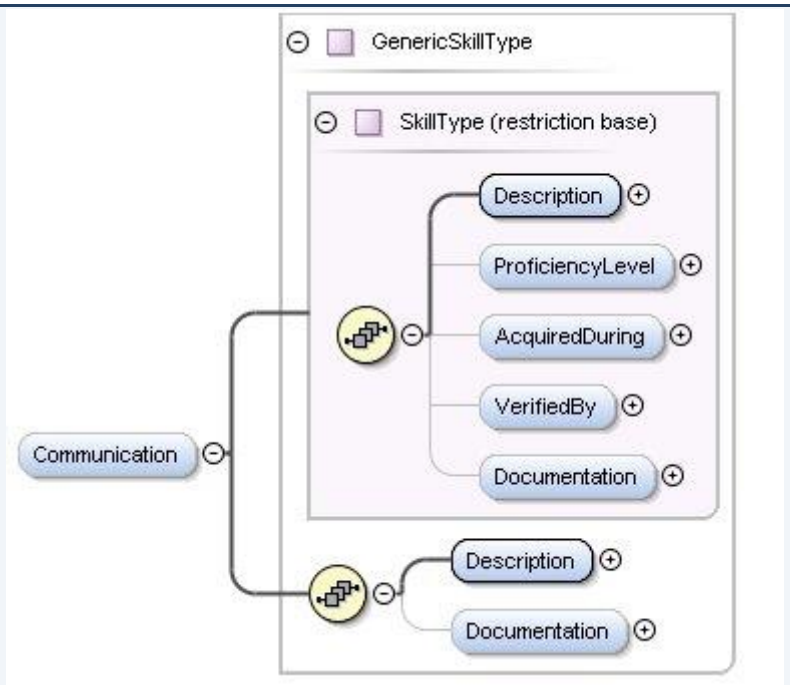
Indicative example:

```
<VerifiedBy>
  <Certificate>
    <Title>CambridgeProficiency</Title>
    <Level>C2</Level>
  </Certificate>
</VerifiedBy>
```

4.5.5.4 Skills/Communication

The **Communication** element includes information which proves that the individual has specific communication skills, such as good ability to adapt to multicultural environmentsor team spirit.

The data type of this element is **GenericSkillType**. This data type restricts the generic data type **SkillType** (described in 5.16), by defining a generic skill, which is modeled only byan unstructured (free text) **Description** element and a **Documentation** element, which lists the references to the related attached digital documents.



Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
SkillsPassport /LearnerInfo/ Skills/**Communication**	Description: xsd:string - S(0/1) Documentation: DocumentationType - S(0/1)	Defines the communication skills of an individual.

Instance:

```
<Communication>
  <Description>{0,1}</Description>
  <Documentation>{0,1}</Documentation>
</Communication>
```

Indicative example:

```
<Communication>
  <Description>Team spirit; Good ability to adapt to multicultural
environments, gained though my work experience
abroad.</Description>
</Communication>
```

4.5.5.5 Skills/Organisational

The **Organisational** element includes information which proves that the individual has specific organisationalskills, such as leadership or project management skills.

The data type of this element is **GenericSkillType**, described in 4.5.5.4.

Instance:

```
<Organisational>
  <Description>{0,1}</Description>
  <Documentation>{0,1}</Documentation>
</Organisational>
```

Indicative example:

```
<Organisational>
  <Description>Leadership (currently responsible for a team of 10
people); Sense of organisation.
  </Description>
</Organisational>
```

4.5.5.6 Skills/JobRelated

The **JobRelated** element includes information which proves that the individual has specific technical skills, necessary for a specific job, such as good command of quality assurance methods.

The data type of this element is **GenericSkillType**, described in 4.5.5.4.

Instance:

```
<JobRelated>
  <Description>{0,1}</Description>
  <Documentation>{0,1}</Documentation>
</JobRelated>
```

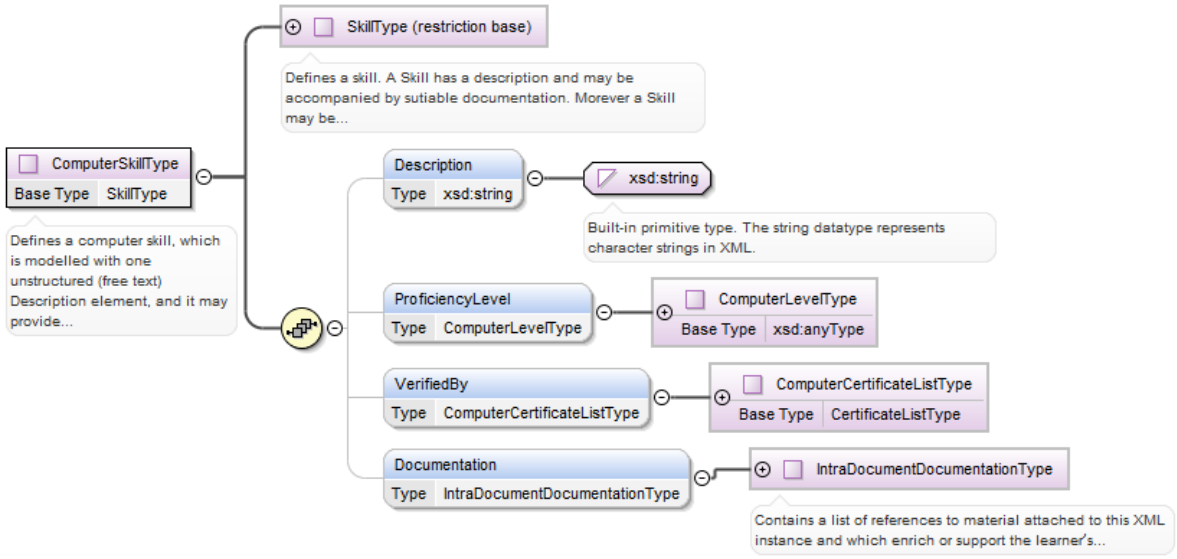
Indicative example:

```
<JobRelated>
  <Description>Good command of quality control processes
  </Description>
</JobRelated>
```

4.5.5.7 Skills/Computer

The **Computer** element includes information which proves that the individual has specific skills related to the use of computers, computer information systems and software packages. The datatype of this element is **ComputerSkillType**.

The **ComputerSkillType** restricts the **SkillType** (described in 5.16), by specifying the data type of the Description to be unstructured free text (string), the data type of the elements that describe the level of computer knowledge (**ProficiencyLevel**) to be of **ComputerLevelType**, and the related computer diplomas (**VerifiedBy**) to be of **ComputerCertificateListType**. The **Documentation** element of the generic SkillType remain as a list of attachments.



Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
SkillsPassport / LearnerInfo/ Skills/Computer/	Description: xsd:string - S(0/1) ProficiencyLevel: europass:ComputerLevelType - S(0/1) VerifiedBy: europass: ComputerCertificateType - S(0/1) Documentation: europass:IntraDocumentDocumentationType - S(0/1)	Defines a computer skill, which is modelled with one unstructured (free text) Description element, and it may provide additional information about proficiency level, and verification organization. It may also accept Documentation information (reference document).

Instance:

```
<Computer>
  <Description>{0,1}</Description>
  <ProficiencyLevel>{0,1}</ProficiencyLevel>
  <VerifiedBy>{0,1}</VerifiedBy>
  <Documentation>{0,1}</Documentation>
</Computer>
```

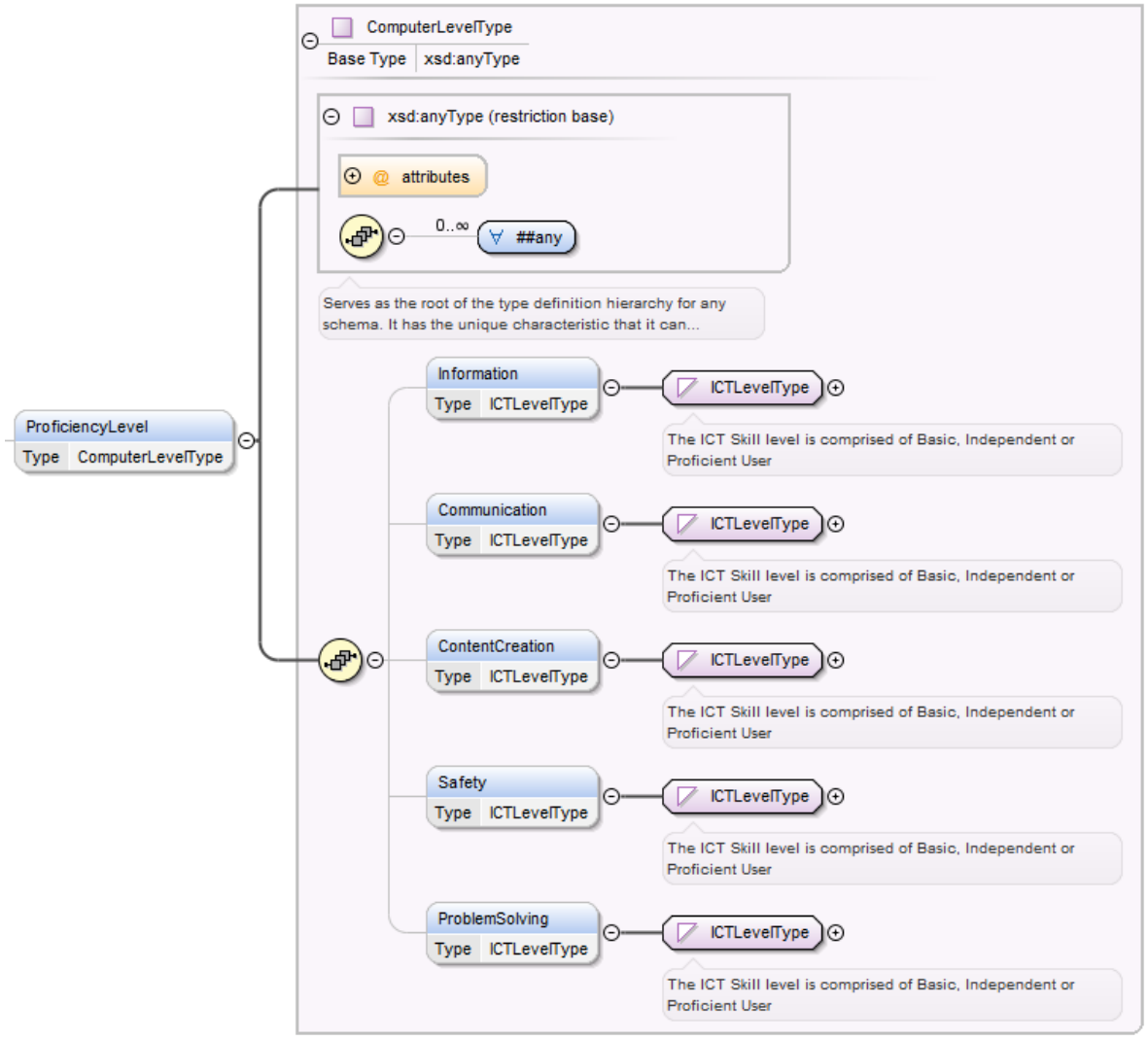
Indicative example:

```
<Computer>
  <Description>Good command of Microsoft Office™ tools  (Word™,
Excel™  and PowerPoint™);Basic knowledge of graphic design
applications (Adobe Illustrator™, PhotoShop™).</Description>
  <ProficiencyLevel>
    <Information>A</Information>
    <Communication>B</Communication>
    <ContentCreation>C</ContentCreation>
    <Safety>B</Safety>
    <ProblemSolving>B</ProblemSolving>
  </ProficiencyLevel>
  <VerifiedBy>
    <Certificate>
      <Title>ACDL Certificate</Title>
    </Certificate>
    <Certificate>
      <Title>MS Excel Certification</Title>
    </Certificate>
  </VerifiedBy>
  <Documentation>
    <ReferenceTo idref="ATT_1486383971191"/>
  </Documentation>
</Computer>
```

4.5.5.7.1 Skills/ComputerSkills/ProficiencyLevel and ComputerLevelType

The **ProficiencyLevel** element of computer skills demonstrates the level of competence for information technology skills. The evaluation is performed on a self-assessment basis and is based on the grid developed by the Joint Research Centre in its report 'DIGCOMP: A Framework for Developing and Understanding Digital Competence in Europe.

The ProficiencyLevel element follows the complex data type **ComputerLevelType**, that defines a sequence of sub-elements each adhering to the data type **ICTLevelType** (described in 5.18).



Elements and Attributes	**Compositions** Child Element Content Type **Sequence(S) | Choice(C) | All(A)** **(minOccurs/maxOccurs)** **Attributes(@)**	**Definition**
SkillsPassport /LearnerInfo/ Skills/Computer/**ProficiencyLevel**	Information: europass:ICTLevelType- S(0/1) Communication: europass: ICTLevelType - S(0/1) ContentCreation: europass: ICTLevelType - S(0/1) Safety: europass: ICTLevelType - S(0/1) ProblemSolving: europass: ICTLevelType - S(0/1)	A detailed break-down of an individual's self assessment about her level of knowledge on computers. The ICT level is comprised of a one letter enumeration (either A, B or C) e.g. A, B, C, and correspond to Basic User, Independent User and Proficient User respectively. The levels are defined by the Joint Research Centre.

Instance:

```
<ProficiencyLevel>
  <Information>{0,1}</Information>
  <Communication>{0,1}</Communication>
  <ContentCreation>{0,1}</ContentCreation>
  <Safety>{0,1}</Safety>
  <ProblemSolving>{0,1}</ProblemSolving>
</ProficiencyLevel>
```

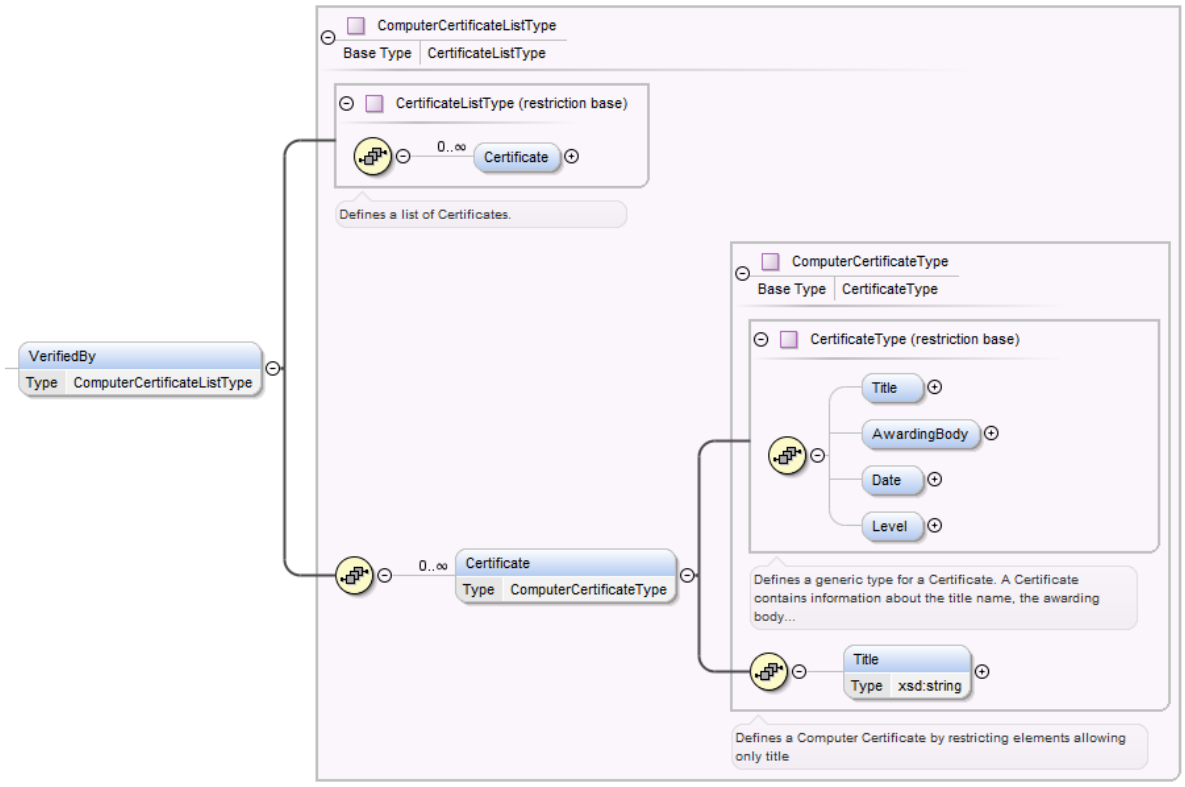
Indicative example:

```
<ProficiencyLevel>
  <Information>C</Information>
  <Communication>C</Communication>
  <ContentCreation>B</ContentCreation>
  <Safety>A</Safety>
  <ProblemSolving>C</ProblemSolving>
</ProficiencyLevel>
```

4.5.5.7.2 Skills/Computer/VerifiedBy

The **VerifiedBy** element lists the certificates that verify the knowledge of the computer skills. The data type of this element is the **ComputerCertificateListType** that consists of one more **Certificate** elements, each adhering to the **ComputerCertificateType**.

The **ComputerCertificateType** restricts the **CertificateType** (described in 5.16) by allowing only the **Title** element which corresponds to the Certification Title.



Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
SkillsPassport /LearnerInfo/ Skills/ Computer / **VerifiedBy**	Certificate: europass:ComputerCertificateType-S(0/unbounded)	A list of certificates that verify the computer skills.
SkillsPassport /LearnerInfo/ Skills/Computer/ VerifiedBy/ **Certificate**	Title: xsd:string-S(0/1)	A certificate that verifies computer skills.

Instance:

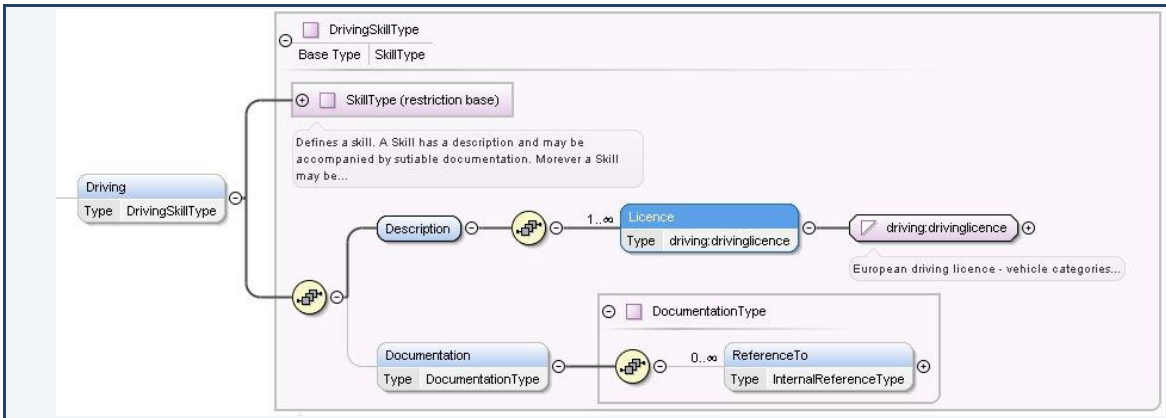
```
<VerifiedBy>
  <Certificate>{0,unbounded}</Certificate>
</VerifiedBy>
```

Indicative example:

```
<VerifiedBy>
  <Certificate>
    <Title>European Computer Driving Licence</Title>
  </Certificate>
</VerifiedBy>
```

4.5.5.8 Skills/Driving

This element defines a driving skill e.g. driving licence of type B. It has a complex type DrivingSkillType, based on a SkillType restriction which is modeled with one **Description** element that verifies the driving license of an individual and may also accept **Documentation** information such as the attachment of a driving license copy.



Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
SkillsPassport/ LearnerInfo/ Skills/**Driving**	Description -S(0/1) Documentation: DocumentationType - S(0/1)	Defines the driving skills of an individual.
Driving/Description	Licence: driving:drivinglicence - S(0/unbounded)	European driving licence e.g. vehicle categories

Instance:

```
<Driving>
  <Description>{0,1}
    <Licence>{0,unbounded}</Licence>
  </Description>
  <Documentation>{0,1}</Documentation>
</Driving>
```

Indicative example:

```
<Driving>
  <Description>
    <Licence>A</Licence>
    <Licence>B</Licence>
    <Licence>BE</Licence>
  </Description>
</Driving>
```

4.5.5.9 Skills/Other

The **Other** element includes any other skills that the individual has and which adds value to her profile. For example, artistic skills may be included here.

The data type of this element is **GenericSkillType**, described in 4.5.5.4.

Instance:

```
<Other>
  <Description>{0,1}</Description>
  <Documentation>{0,1}</Documentation>
</Other>
```

Indicative example:

```
<Other>
<Description>Carpentry skills acquired through voluntary
activities.</Description>
</Other>
```

4.5.6 SkillsPassport/LearnerInfo/AchievementList and Achievement

This section of the XML document lists any additional information about the various achievements of an individual, such as participation to conferences, workshops, memberships to organisations, list of publications, etc.

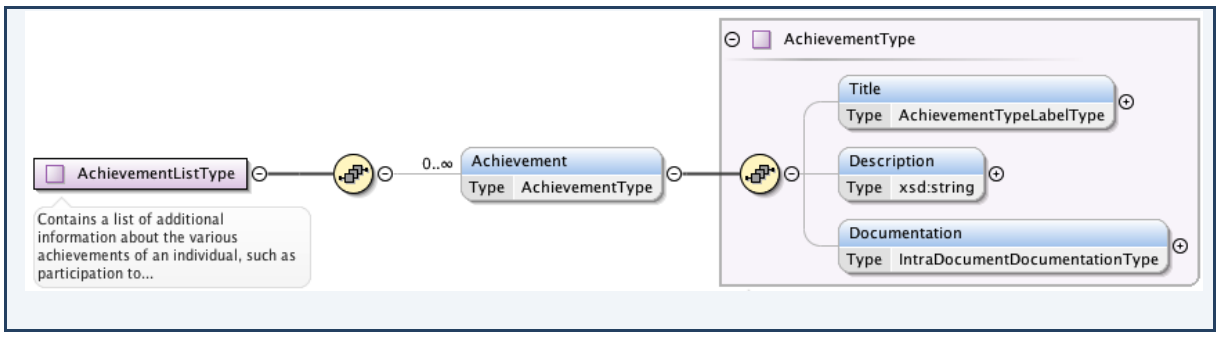
The section is described by the **AchievementList** element, which accepts a list of **Achievement**elements. Each Achievement element adheres to the data type **AchievementType**.

The **AchievementType**defines a sequence of three sub-elements: **Title**,**Description** and **Documentation.**

The **Title** element describes to what kind of achievement this section refers to. It adheres to the **AchievementTypeLabelType** data type. This data type restrict the **LabelType**(described in 5.1) by specifying that the Code element must have one of the specified values: “honors_awards”, “publications”, “projects”, “citations”, “memberships”, “conferences”, “seminars”, “workshops”, “references”, “courses” or “certifications”.

The **Description** element provides information on what this specific achievement entails. It is a simple text (**xsd:string**).

The **Documentation** element provides a list of references to attached digital documents that are included in the XML Document and are related to this achievement. The element follows the data type **DocumentationType** (described in 5.12).



Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
SkillsPassport / LearnerInfo/ **AchievementList**	Achievement: AchievementListType - S(0/1)	Defines a list of achievements.
SkillsPassport / LearnerInfo/ AchievementList/ **Achievement**	Title: europass:AchievementTypeLabelType - S(0/1) Description: xsd:string - S(0/1) Documentation: europass:IntraDocumentDocumentationType - S(0/1)	Defines an achievement

Data Type	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
AchievementTypeLabelType	Restriction on Label Type **Code** must be one of [enumeration] : honors_awards [enumeration] : publications [enumeration] : citations [enumeration] : projects [enumeration] : memberships [enumeration] : seminars [enumeration] : conferences [enumeration] : workshops [enumeration] : references [enumeration] : courses [enumeration] : certifications	Defines the content and structure of an element that is described as an achievement.

Indicative example:

```
<AchievementList>
  <Achievement>
    <Title>
      <Code>projects</Code>
      <Label>Projects</Label>
    </Title>
    <Description>Project 1; Project 2</Description>
  </Achievement>
  <Achievement>
    <Title>
      <Code>publications</Code>
      <Label>Publications</Label>
    </Title>
    <Description>Publication 1; Publication 2;</Description>
  </Achievement>
  <Achievement>
    <Title>
      <Label>Theatre Participations</Label>
    </Title>
    <Description>Theatre 1; Theatre 2</Description>
  </Achievement>
</AchievementList>
```

4.5.7 SkillsPassport/LearnerInfo/Documentation and ReferenceTo

An individual can attach one or more relevant documents that verify or support the information included in the specific Europass Document.

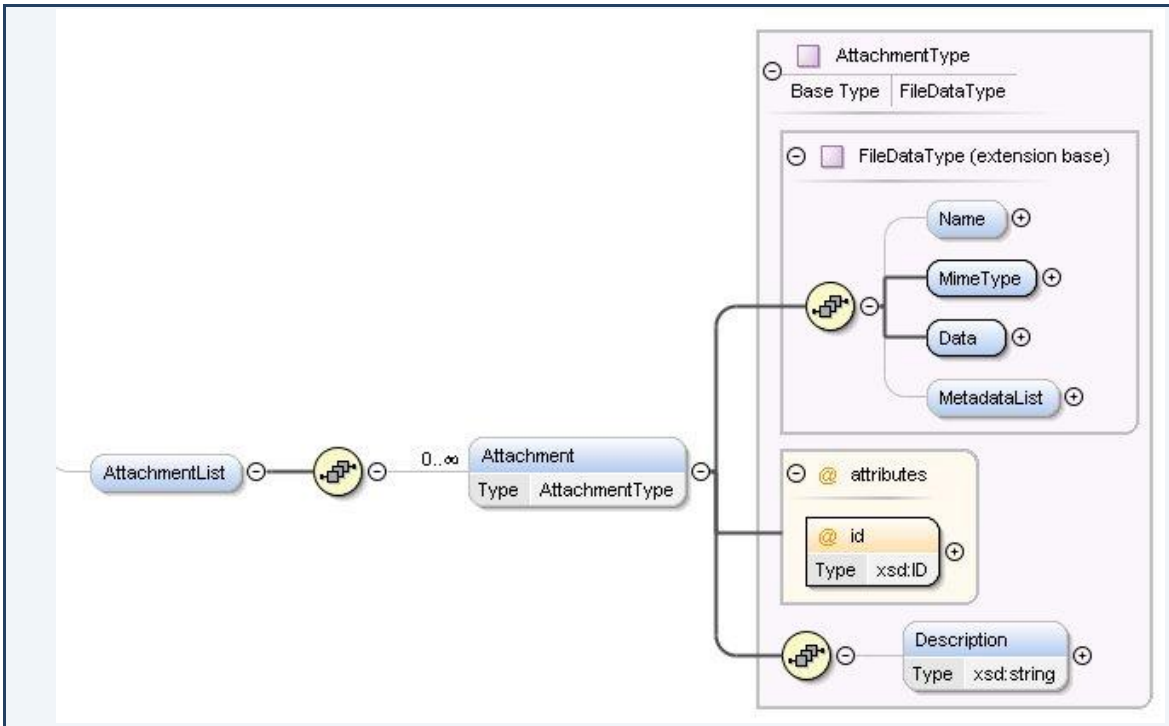
Thus, Documentation element comprises a list of ReferenceTo elements each referencing an Attachment element that corresponds to an uploaded digital document, the bytes of which are already included in the XML document.

The Documentation element adheres to the data type DocumentationType (described in 5.12).

4.6 SkillsPassport/AttachmentList

The **AttachmentList** element defines a list of **Attachment** elements. Each Attachment element corresponds to any digital document (PDF, JPEG or PNG format(that an individual has attached to her Europass document to support/evidence of her personal data, learning achievements, work experiences, skills, competences, diplomas, etc.

The **Attachment** element adheres to the data type **AttachmentType**. This data type extends the **FileDataType**(defined in 5.12) by defining a **Description** sub-element and a required **id** attribute. The actual bytes of the digital attachment are included in the **Data** sub-element as raw base-64 encoded bytes.



Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
SkillsPassport/ AttachmentList	Attachment: europass:AttachmentType - S(0/unbounded)	A list of digital documents attached to the specific Europass document as evidence of the mentioned experiences, skills and competences.
SkillsPassport/ AttachmentList/ Attachment	**europass:AttachmentType** **id: xsd:ID**	A digital document attached to the specific Europass document.

	Description: xsd:string - S(0/unbounded) Name:xsd:string - S(0/1) MimeType: europass:MimeTypeEnumeration -S(1/1) Data: xsd:base64Binary - S(1/1) MetadataList: europass:MetadataListType - S(0/1)	Must have a unique identifier attribute and a sequence of sub-elements that describe the attachment in detail..

Instance:

```
<AttachmentList>
  <Attachmentid="">
    <Name>{0,1}</Name>
    <MimeType>{1,1}</MimeType>
    <Data>{1,1}</Data>
    <MetadataList>{0,1}</MetadataList>
  </Attachment>
</AttachmentList>
```

Indicative example:

```
<AttachmentList>
  <Attachment id="ATT_1">
    <Name>licence.pdf</Name>
    <MimeType>application/pdf</MimeType>
    <Data><!—base-64 encoded bytes go here --></Data>
    <MetadataList>
      <Metadata key="number-of-pages" value="5"/>
    </MetadataList>
    <Description>Copy of the </Description>
  </Attachment>
  <Attachment id="ATT_2">
    <Name>My scanned Diploma </Name>
    <MimeType>image/jpeg</MimeType>
    <Data><!—base-64 encoded bytes go here --></Data>
  </Attachment>
</AttachmentList>
```

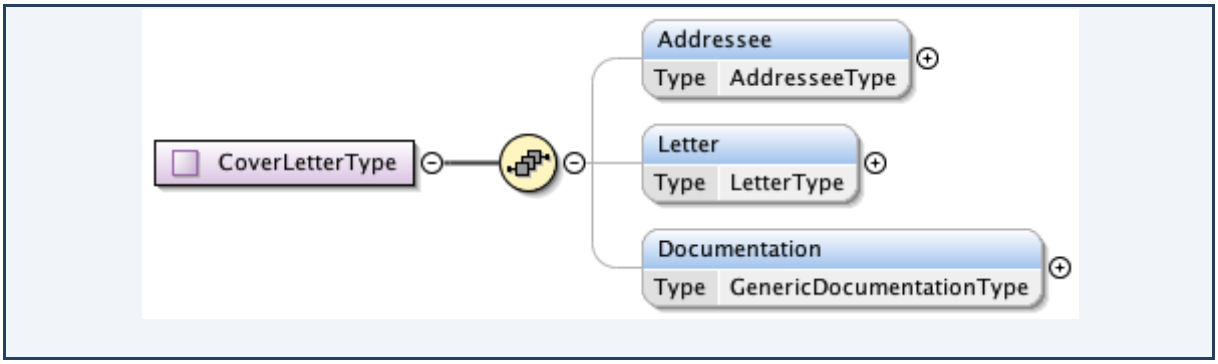
4.7 SkillsPassport/CoverLetter

This section of the XML describes the information about a Cover Letter that is good to accompany the rest Europass documents.

A Cover Letter is usually a letter addressed to a person that represents the organisation in which the individuals pursues an work, training, education, volunteering, or other kind of placement. It is includes contact information details about the author, as well as the Addressee. The main area of the letter states the main argumentation of the author defending his/her eligibility for the placement. The letter usually concludes with a closing salutation where the author "signs".

The various sections are defined in details by the Europass XML Schema, and more specifically EuropassCoverLetter.xsd.

The entire structure for the cover letter is grouped under the core element **CoverLetter**. It adheres to type **CoverLetterType**, which is presented in details below.



Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
/SkillsPassport/ **CoverLetter**	Addressee: europass:AddresseeType-S(0/1) Letter: europass:LetterType - S(0/1) Documentation: europass:GenericDocumentationType - S(0/1)	A core element of Europass schema, as it includes all information about the cover letter.
/SkillsPassport/ CoverLetter/ **Addressee**	PersonName: europass:PersonNameType - S(1/1) Position: europass: OccupationalFieldType - S(0/1) Organisation:europass:OrgansationType-S(0/1)	Contains the personal information of the individual, to which the cover letter is addressed. Such as the title and name, the position and the organisation which she/he represents.

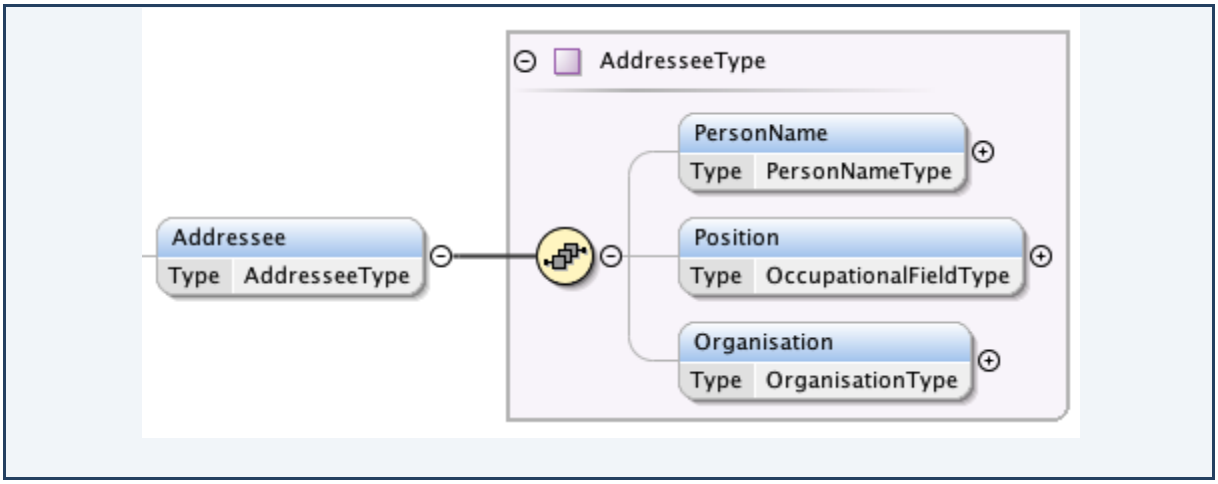
/SkillsPassport/ CoverLetter / **Letter**	Localisation:europass:LetterLocalisationType -S(0/1) OpeningSalutation:europass:OpeningSalutationType -S(0/1) SubjectLine:xsd:string -S(0/1) MainBody:europass:BodyType -S(0/1) ClosingSalutation:europass:ClosingSalutationType-S(1/1)	Contains the main content of the cover letter, the argumentation of the individual about her/his eligibility for the pursued placement.
/SkillsPassport/ CoverLetter / **Documentation**	InterDocument:europass:InterDocumentDocumentationType - S(0/1) IntraDocument:europass:IntraDocumentDocumentationType - S(0/1) ExtraDocument:europass:ExtraDocumentDocumentationType - S(0/1)	Contains diverse references to other resources that accompany the cover letter. Those resources may be other Europass Documents, list of references to material attached to this XML instance, or even list of references to external resources, outside this specific XML.

Instance

```
<CoverLetter>
  <Addressee>{0,1}</Addressee>
  <Letter>{0,1}</Letter>
  <Documentation>{0,1}</Documentation>
</CoverLetter>
```

4.7.1 SkillsPassport/CoverLetter/Addressee

The entire structure for the addressee of the cover letter is grouped under the element **Addressee**. It adheres to type **AddresseeType**, which is presented in details below.



Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
/SkillsPassport/ CoverLetter/ **Addressee**	PersonName: europass:PersonNameType - S(1/1) Position: europass: OccupationalFieldType - S(0/1) Organisation:europass:OrgansationType- S(0/1)	Contains the personal information of the individual, to which the cover letter is addressed. Such as the title and name, the position and the organisation which she/he represents.

Instance

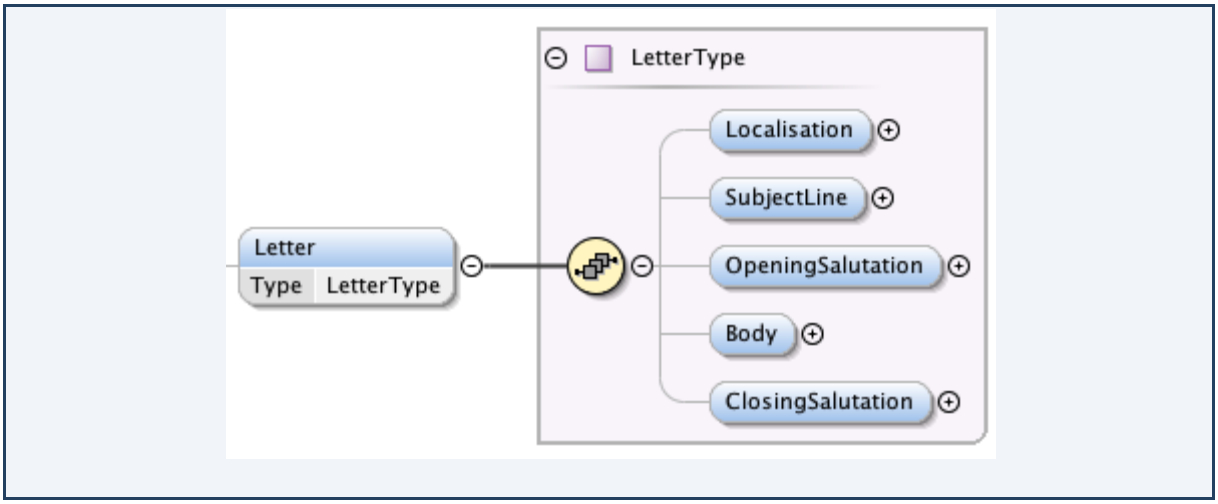
```
<Addressee>
  <PersonName>{0,1}</PersonName>
  <Position>{0,1}</Position>
  <Organisation>{0,1}</Organisation>
</Addressee>
```

Example

```
<Addressee>
  <PersonName>
    <Title>
      <Code>dr</Code>
      <Label>Dr.</Label>
    </Title>
    <FirstName>John</FirstName>
    <Surname>Stuart</Surname>
  </PersonName>
  <Position>
      <Code>12332</Code>
      <Label>Human resource manager</Label>
    </Position>
    <Organisation>
      <Name>Clipper emergency center</Name>
      <ContactInfo>
        <Address>
        <Contact>
          <AddressLine>Wall street 42</AddressLine>
          <PostalCode>SW1P 3AT</PostalCode>
           <Municipality>London</Municipality>
          <Country>
            <Code>UK</Code>
            <Label>United Kingdom</Label>
          </Country>
        </Contact>
      </Address>
      </ContactInfo>
    </Organisation>
</Addressee>
```

4.7.2 SkillsPassport/CoverLetter/Letter

The entire structure for the letter per se is grouped under the element **Letter**. It adheres to type **LetterType**, which is presented in details below.



Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
/SkillsPassport/ CoverLetter / **Letter**	Localisation:europass:LetterLocalisationType -S(0/1) OpeningSalutation:europass:OpeningSalutationType -S(0/1) SubjectLine:xsd:string -S(0/1) MainBody:europass:BodyType -S(0/1) ClosingSalutation:europass:ClosingSalutationType-S(1/1)	Contains the main content of the cover letter, the argumentation of the individual about her/his eligibility for the pursued placement.
/SkillsPassport/ CoverLetter / Letter/ **Localisation**		Contains information about the date and place of the writing of the letter.
/SkillsPassport/ CoverLetter / Letter/ **OpeningSalutation**		Contains the opening salutation preferred for this letter
/SkillsPassport/ CoverLetter / Letter/ **MainBody**		Contains the main body of this letter.
/SkillsPassport/ CoverLetter / Letter/ **ClosingSalutation**		Contains the preferred closing salutation for the letter.

Instance

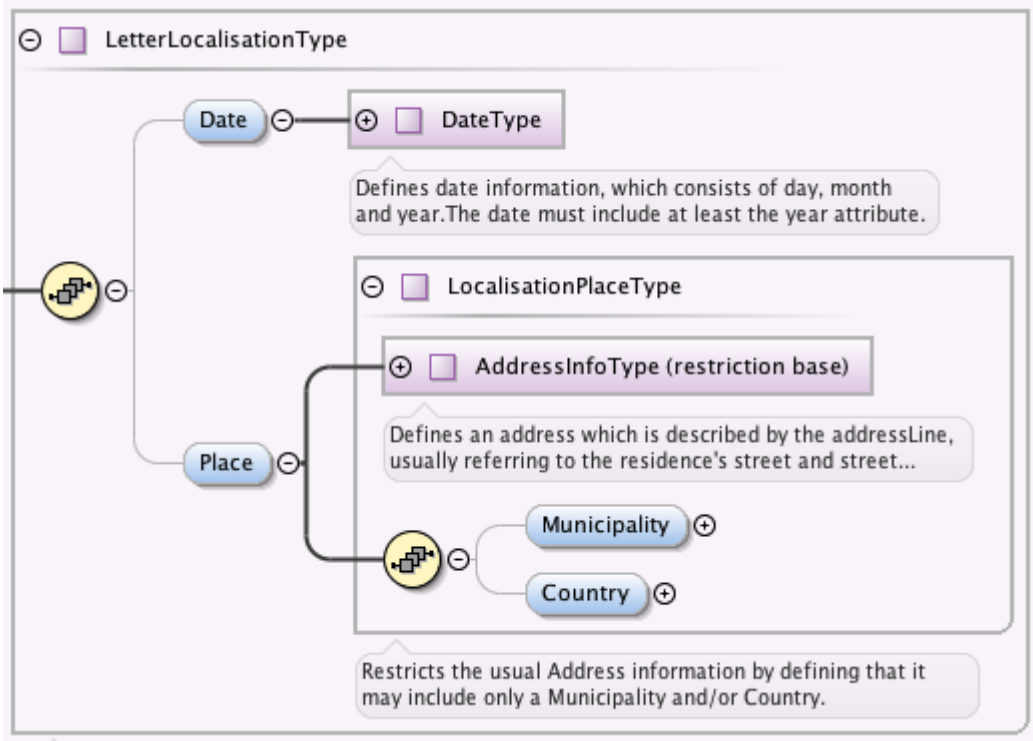
```
<Letter>
  <Localisation>{0,1}</Localisation>
  <SubjectLine>{0,1}</SubjectLine>
  <OpeningSalutation>{0,1}</OpeningSalutation>
  <MainBody>{0,1}</MainBody>
  <ClosingSalutation>{0,1}</ClosingSalutation>
</Letter>
```

Example

```
<Letter>
  <Localisation>
    <Date year="2013" month="--10" day="---15"/>
    <Place>
      <Municipality>Birmingham</Municipality>
    </Place>
  </Localisation>
  <SubjectLine>Ref. IT support officer/2013/01/AD</SubjectLine>
  <OpeningSalutation>
    <Salutation>
      <Label>Dear Mr.</Label>
    </Salutation>
    <PersonName>
      <Surname>Stuart</Surname>
    </PersonName>
  </OpeningSalutation>
  <Body>
    <Opening>
     &lt;p&gt;I would like to express my interest ...&lt;/p&gt;
    </Opening>
     <MainBody>
        &lt;p&gt;I am confident that the experience acquired in my
present job...:&lt;/p&gt;
     </MainBody>
     <Closing>
       &lt;p&gt;I am available for interview ...&lt;/p&gt;
     </Closing>
  </Body>
  <ClosingSalutation>
    <Label>Your's faithfully</Label>
  </ClosingSalutation>
</Letter>
```

4.7.2.1 SkillsPassport/CoverLetter/Letter/Localisation

The entire structure for the date and place information of the letter is grouped under the element **Localisation**. It adheres to type **LetterLocalisationType**, which is presented in details below.

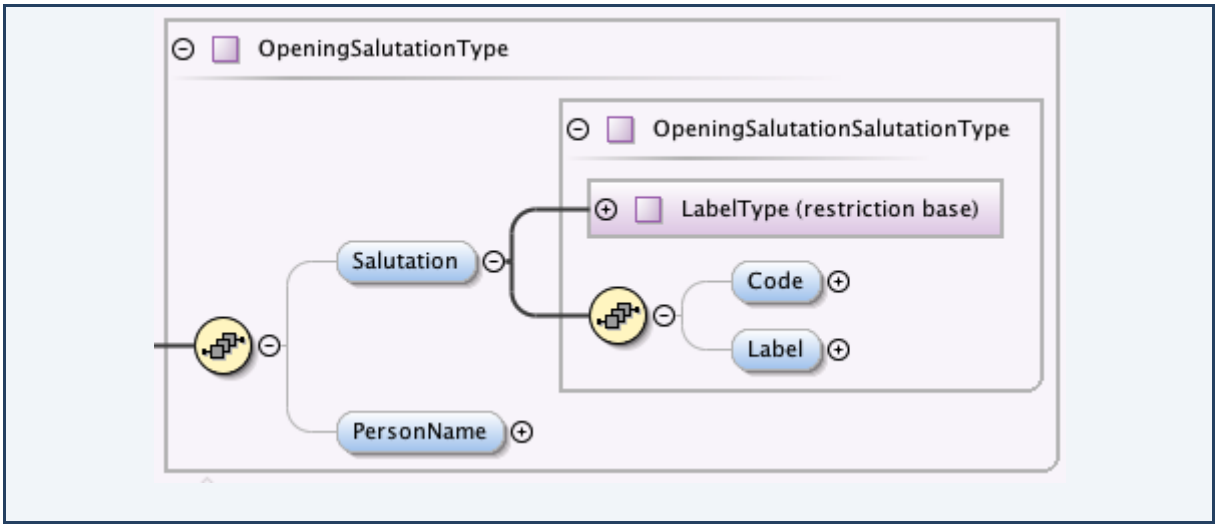


4.7.2.2 SkillsPassport/CoverLetter/Letter/OpeningSalutation

The entire structure for the opening saluation of the letter is grouped under the element **OpeningSalution**. It adheres to type **OpeningSalutationType**, which is presented in details below.

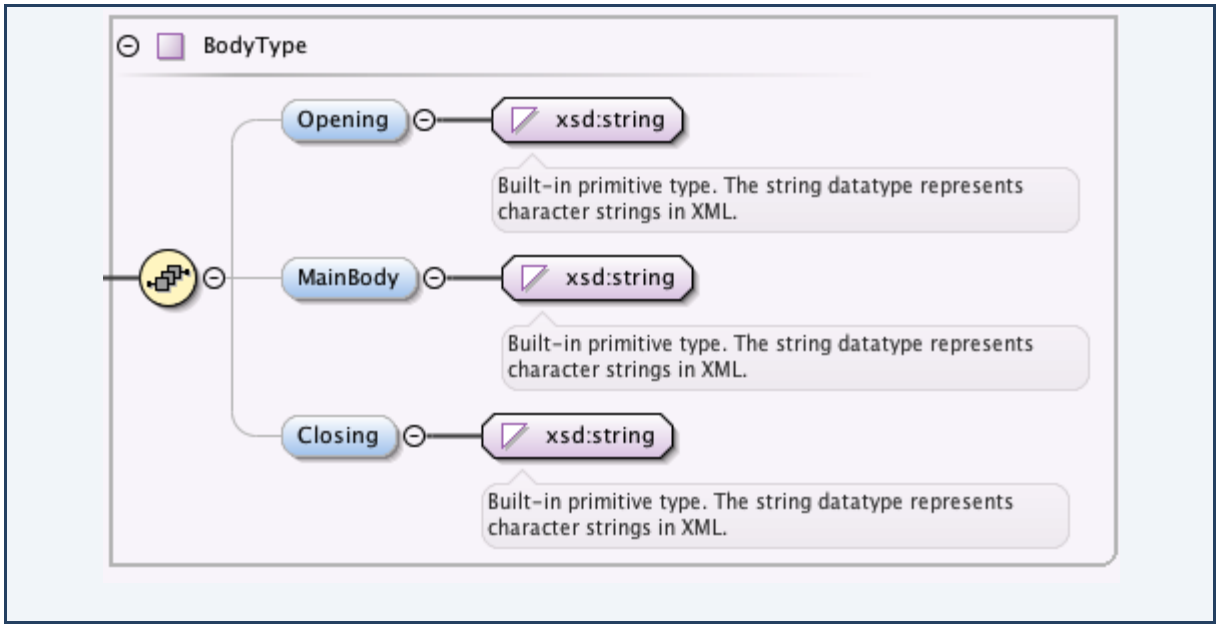
More specifically, the Code needs to adhere to the pattern:

opening-salut-[1-9]{1}([0-9]{1})?(-impersonal)?



4.7.2.3 SkillsPassport/CoverLetter/Letter/Body

The entire structure for the main body of the letter is grouped under the element **MainBody**. It adheres to type **BodyType**, which is presented in details below.

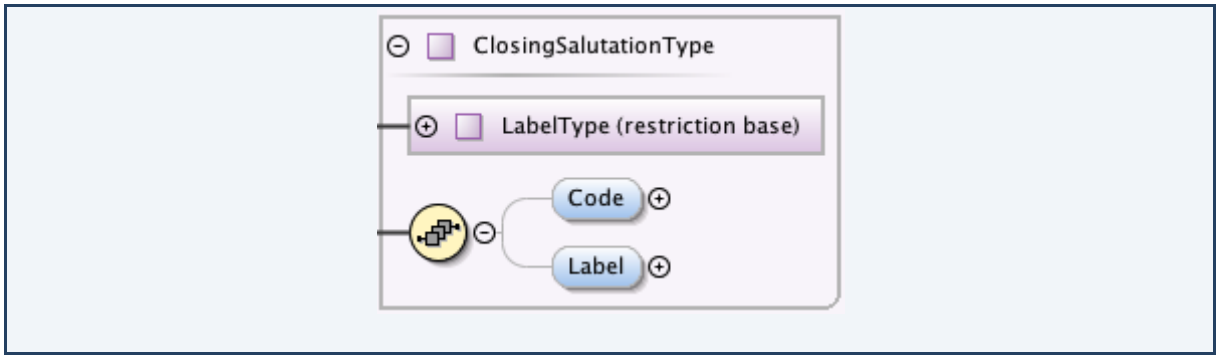


4.7.2.4 SkillsPassport/CoverLetter/Letter/ClosingSalutation

The entire structure for the closing saluation of the letter is grouped under the element **ClosingSalutation**. It adheres to type **ClosingSalutationType**, which is presented in details below.

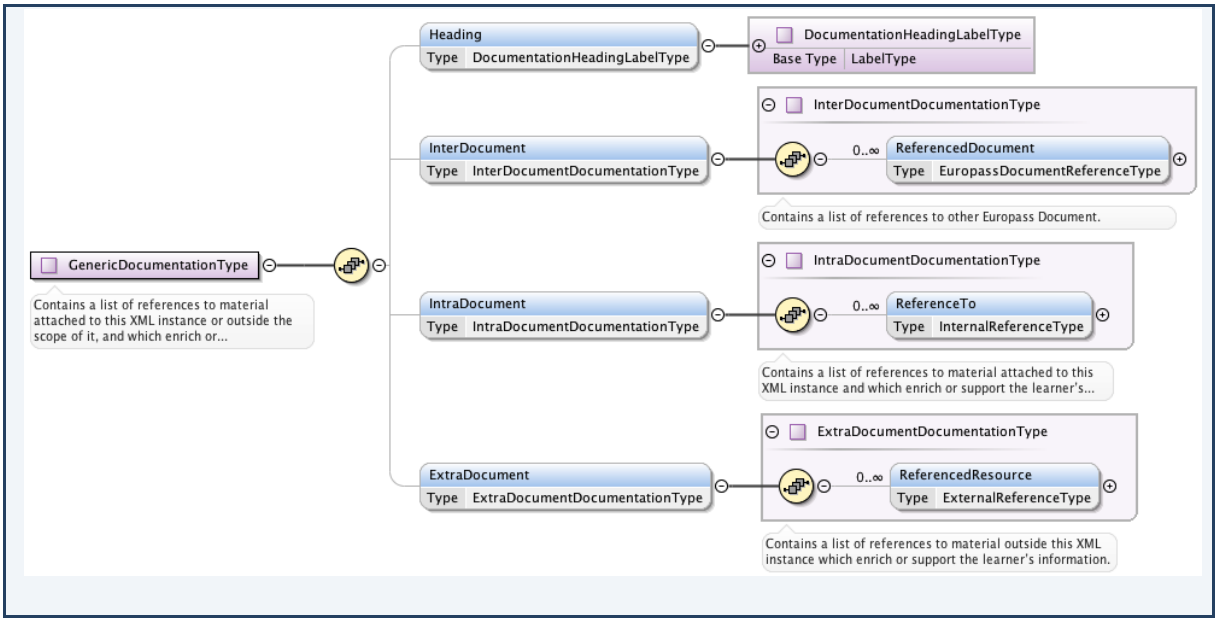
More specifically, the Code needs to adhere to the pattern:

closing-salut-[1-9]{1}([0-9]{1})?



4.7.3 SkillsPassport/CoverLetter/Documentation

The entire structure for the documentation of the cover letter is grouped under the element **Documentation**. It adheres to type **GenericDocumentationType**, which is presented in details below.



Elements and Attributes	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
/SkillsPassport/ CoverLetter / **Documentation**	Heading:europass:InterDocumentationHeadingLabelType - S(0/1) InterDocument:europass:InterDocumentDocumentationType - S(0/1) IntraDocument:europass:IntraDocumentDocumentationType - S(0/1) ExtraDocument:europass:ExtraDocumentDocumentationType - S(0/1)	Contains diverse references to other resources that accompany the cover letter. Those resources may be other Europass Documents, list of references to material attached to this XML instance, or even list of references to external resources, outside this specific XML. The element may contain an optional child element, Heading, which will indicate the preferred heading/label of this section.
/SkillsPassport/ CoverLetter / Documentation/ **Heading**	Code: xsd:string -S(0/1) Label : xsd:string - S(0/1)	Defines the preferred heading/label of this section. The Code needs to adhere to the pattern: ^heading_[1-9]{1}$

/SkillsPassport/ CoverLetter / Documentation/ **InterDocument**	See 5.13	Defines a list of references to other Europass Documents.
/SkillsPassport/ CoverLetter / Documentation/ **IntraDocument**	See 5.12	Defines a list of references to resources included within this specific XML instance.
/SkillsPassport/ CoverLetter / Documentation/ **ExtraDocument**	See 5.14	Defines a list of references to resources outside the scope of this XML instance.

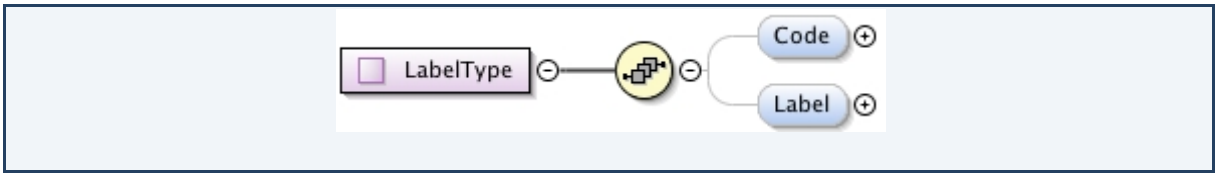
Instance

```
<Documentation>
  <InterDocument>{0,1}</InterDocument>
  <IntraDocument>{0,1}</IntraDocument>
  <ExtraDocument>{0,1}</ExtraDocument>
</Documentation>
```

5 Generic Data Types

5.1 LabelType

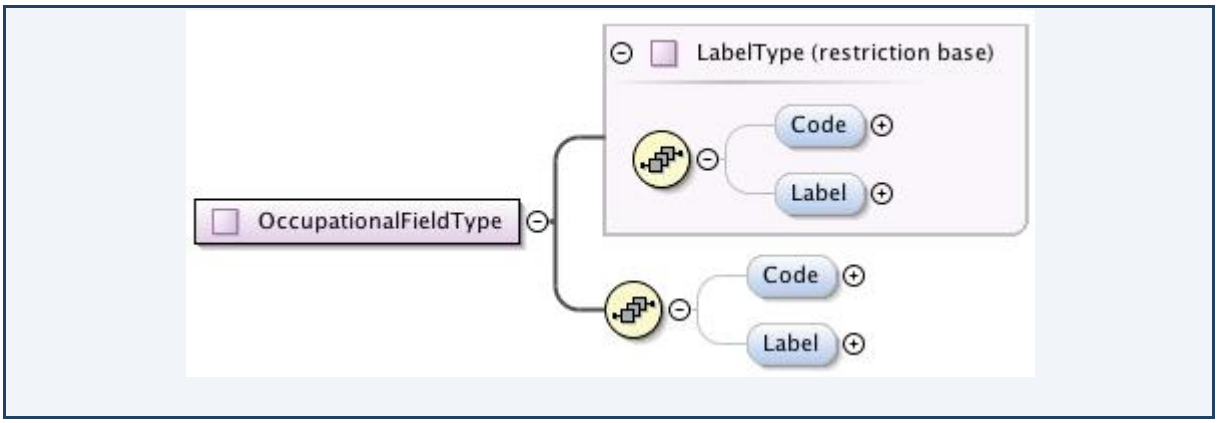
The **LabelType** data type defines a sequence of two sub-elements **Code** and **Label**. This data type is used to describe any information that may be referenced back to a taxonomy based on the Code element. The Label element includes the translation of this text to the language of the document.



Data Type	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
LabelType	Code:xsd:string - S(0/1) Label:xsd:string - S(0/1)	Describes any information that may be referenced back to a taxonomy.

5.2 OccupationalFieldType

The **OccupationalFieldType** data type restricts the **LabelType**(described in 5.1) by defining that the **Code** sub-element must correspond to the occupational field code type is defined in the included schema "**EuropassISCO_88_COM**". The **Label** sub-element is actually the translation of the type in the language of the document.

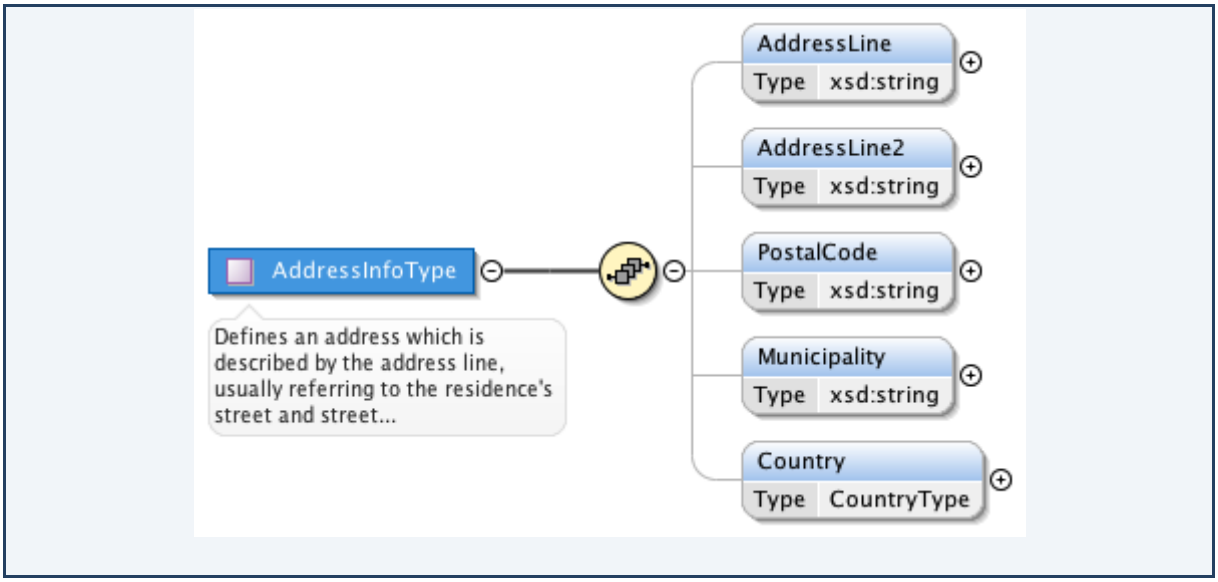


Data Type	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
OccupationalFieldType	Code: europass:isco88com-level5 - S(0/1) [restriction]:xsd:string [enumeration] 12331 Verkaufsleiter [enumeration] 12332 Marketingleiter [enumeration] 12341 Werbeleiter Label:xsd:string - S(0/1)	Defines that this element includes information about a work position. In case the Code element is present, then this should take a value from the enumeration defined by the europass:isco88com-level5 type in the included schema "**EuropassISCO_88_COM**".

5.3 AddressInfoType

The **AddressInfoType** data type defines a sequence of four sub-elements: **AddressLine**, **PostalCode**, **Municipality** and **Country**, out of which only **Country** is mandatory. This data type is used to describe an address by providing the address-line, usually referring to the residence's street and street number, the municipality, the postal code and the country.

The minimum required information is the **Country** element, which adheres to the **CountryType** data-type (described in 5.4).



Instance:

```
<Contact>
  <AddressLine>{0,1}</AddressLine>
  <AddressLine2>{0,1}</AddressLine2>
```

```
  <PostalCode>{0,1}</PostalCode>
  <Municipality>{0,1}</Municipality>
  <Country>{0,1}</Country>
</Contact>
```

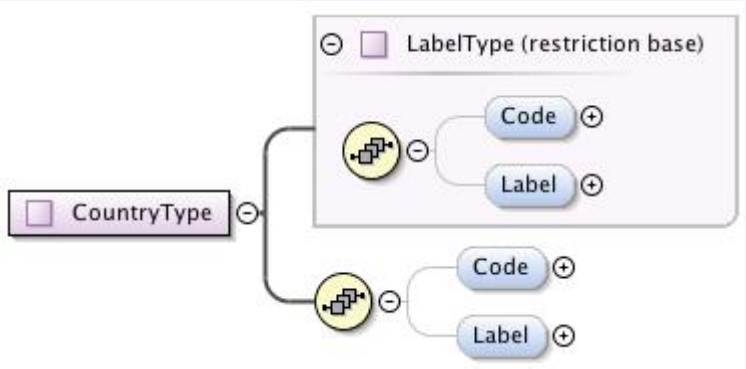
Indicative Example:

```
<Contact>
  <AddressLine>12 Strawberry Hille</AddressLine>
  <AddressLine2>Bld B, Apt 12</AddressLine2>
  <PostalCode>12345</PostalCode>
  <Municipality>London</Municipality>
  <Country>
     <Code>UK</Code>
    <Label>United Kingdom</Label>
  </Country>
</Contact>
```

Data Type	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
AddressInfoType	AddressLine: xsd:string -S(0/1) AddressLine2: xsd:string -S(0/1) PostalCode : xsd:string - S(0/1) Municipality: xsd:string - S(0/1) Country: europass:CountryType-S(0/1)	Describes the details of a postal address.

5.4 CountryType

The **CountryType** data type restricts the **LabelType** (defined in 5.1) by defining that the **Code** element must have one of the values defined by the **europass:countryCode** defined in the included schema "**EuropassISOCountries**". E.g. code: FR, label: France.



Data Type	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
CountryType	Code: xsd:string -S(0/1) Label : xsd:string - S(0/1)	Defines the structure of an element that describes a country.

Instance:

```
<Country>
  <Code>{0,1}</Code>
  <Label>{0,1}</Label>
</Country>
```

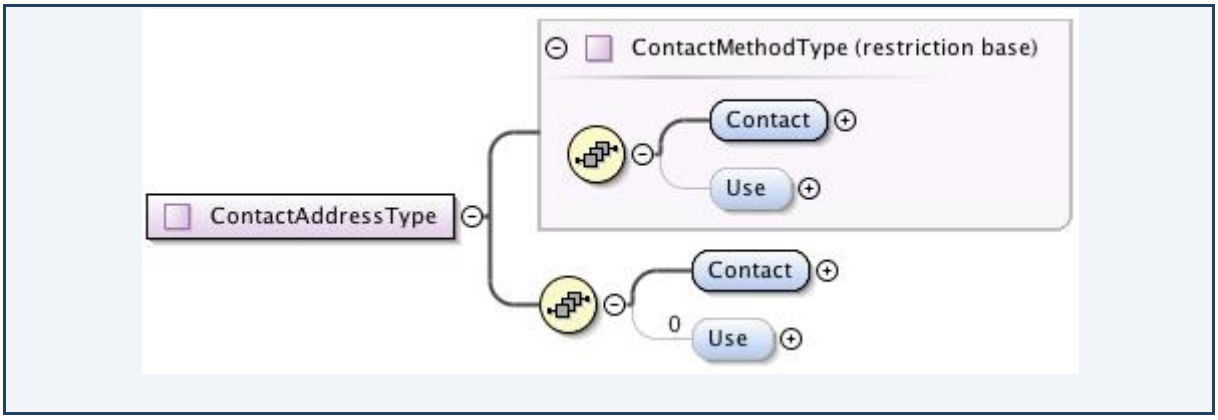
Indicative Example:

```
<Country>
  <Code>UK</Code>
  <Label>United Kingdom</Label>
</Country>
```

5.5 ContactAddressType

The **ContactAddressType**, restricts the **ContactMethodType**(described in 4.5.1.3.6.1) by defining that the **Contact** element adheres to the data type **AddressInfoType** (described in 5.2), and that the **Use** element is not necessary.

Address, as all the rest contact method elements that are based on the **ContactMethodType** data type, consists of two elements **Contact** and **Use**.

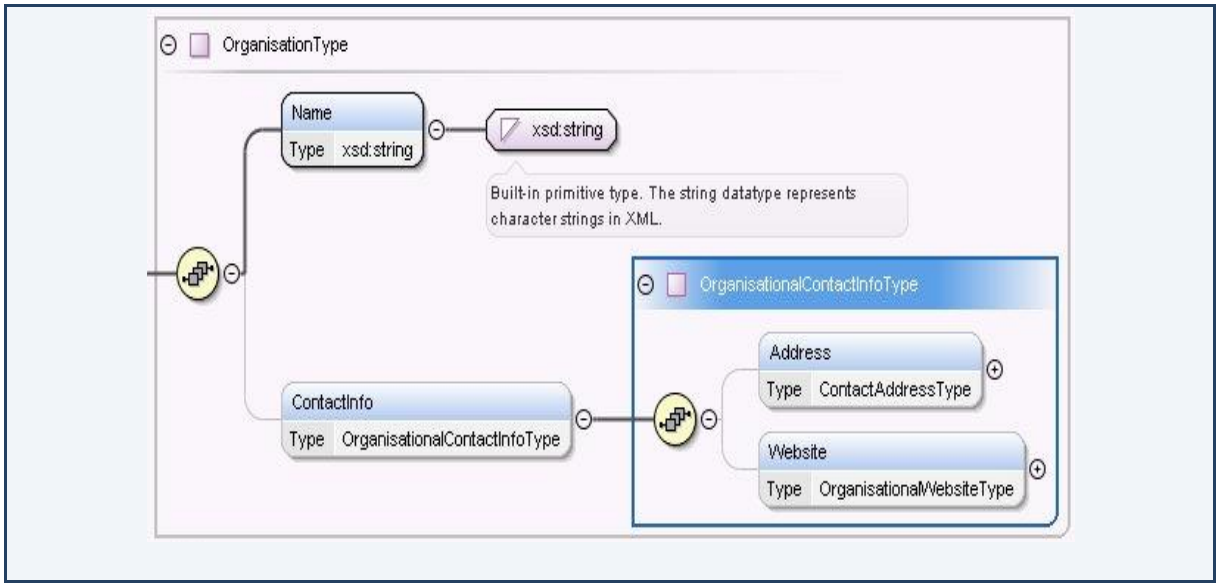


Contactelement is of type **AddressInfoType**that defines an address which is described by the address-line, usually referring to the residence's street and street number, the municipality, postal code and country. The minimum required information is the Country element.

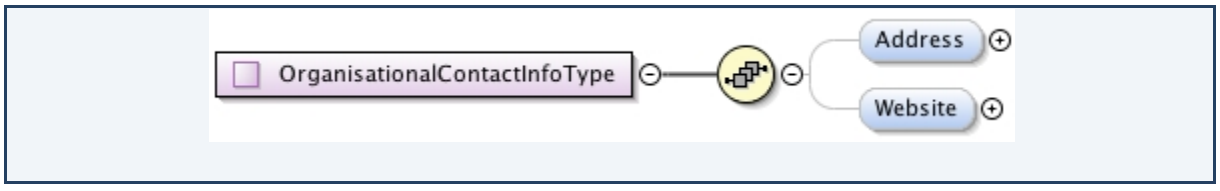
The **Use** element defines the use of the contact method, e.g. home or work address.

5.6 OrganisationType

The **OrganisationType** data type defines a sequence of two sub-elements: **Name** and **ContactInfo**. It is used when an element needs to describe an Organisation. An organisation is described at least by a Name. Optionally its description may include a ContactInfo element.



The optional **ContactInfo** element adheres to the type **OrganisationalContactInfoType** data type. This type defines a sequence of two sub-elements: **Address** and **Website**, both being optional.



The **Address** element adheres to the data type **ContactAddressType** (described in 5.5), while the **Website** adheres to the data type **OrganisationalWebsiteType.**

Data Type	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs)	Definition

	Attributes(@)	
OrganisationType	Name: xsd:string -S(0/1) ContactInfo : europass:OrganisationalContactInfoType - S(0/1)	Describes an organisation.
OrganisationalContactInfoType	Address: xsd:string -S(0/1) Website : europass:OrganisationalWebsiteType- S(0/1)	Describes the contact information of an organisation.
OrganisationalWebsiteType	**Restriction on europass:ContactMethodType** Use: [complexContent]-S(0/1) Restriction on europass:LabelType Code: fixed to "business".	Describes the website address of an organisation.

5.7 AbstractExperienceListType

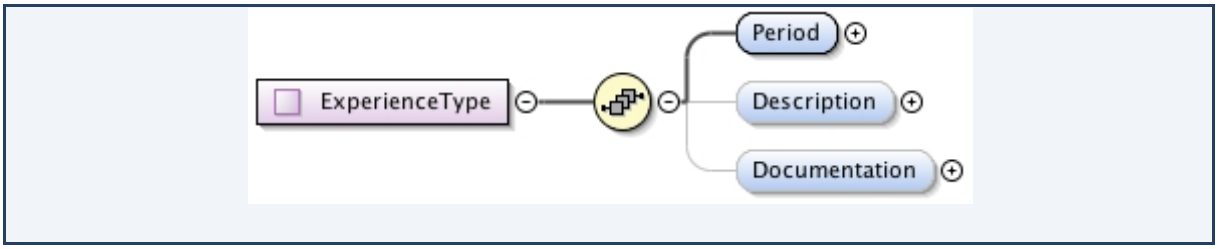
The **europass:AbstractExperienceListType** is an abstract type that defines list of Experience elements. The elements may be of any type.

5.8 ExperienceListType

The **europass: ExperienceListType** defines a list of Experience elements. The elements must be of type **europass:ExperienceType**

5.9 ExperienceType

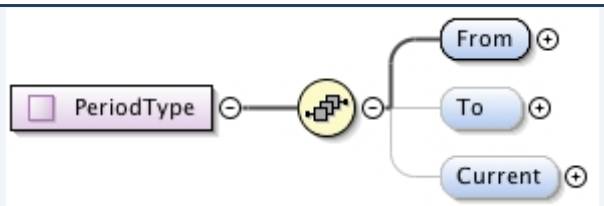
The **europass:ExperienceType** data type defines a sequence of three sub-elements:**Period**, **Description** and **Documentation**, out of which the Period is mandatory. This data type is used to describe any experience that is relevant for the curriculum vitae of an individual.



Data Type	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
ExperienceType	Period:europass:PeriodType - S(0/1) Description:xsd:string - S(0/1) Documentation:europasss:DocumentationType - S(0/1)	**Period**: Defines the period (starting date and ending date or a Boolean indicator that the period extends until today) **Description**: A text describing the experience **Documentation**: A List of references to attached digital documents that provide evidence or complement this experience (e.g. recommendation letter)

5.10 PeriodType

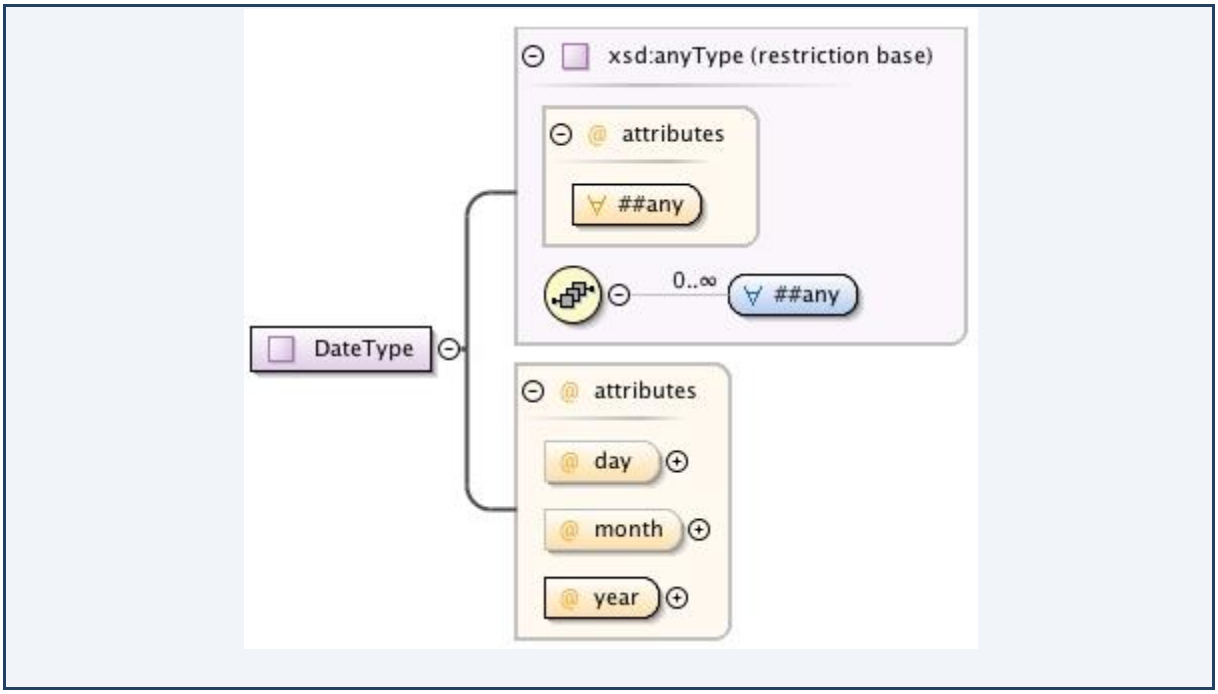
The **europass:PeriodType** data type defines a sequence three sub elements: **From**, **To** and **Current**. Its purpose is to describe a period, with starting date and either an end date or a Boolean indicator of whether this period extends until today. The end date and the current indicator are optional elements.



Data Type	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
PeriodType	From:europass:DateType - S(1/1) To:europass:DateType- S(0/1) Current:xsd:boolean - S(0/1)	**From**: the date that the period starts **To**: the date that the period ends **Current**: a Boolean indicator that denotes whether this period extends until today.

5.11 DateType

The **DateType** data type defines an element that may have up to three attributes: **day**, **month** and **year**, out of which year is required. Its purpose is to describe a date, which consists of the day, the month and the year.

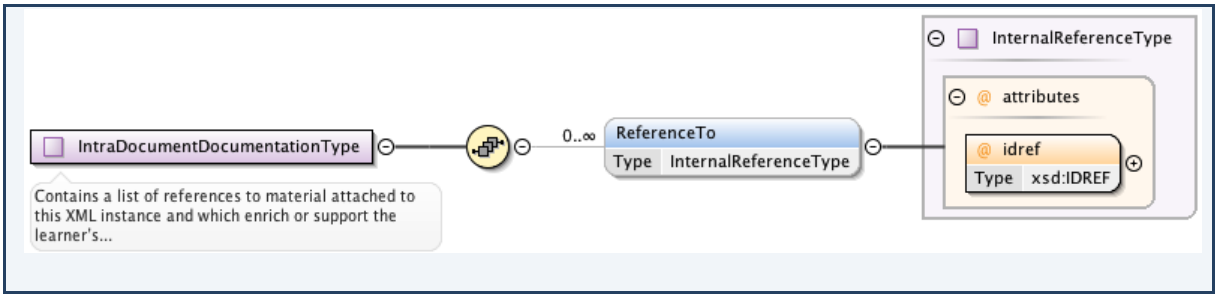


Data Type	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
DateType	day :xsd:gDay - optional month: xsd:gMonth - optional year: xsd:gYear - required	Defines date information, which consists of day, month and year. The date must include at least one year element.

5.12 IntraDocumentDocumentationType

The **IntraDocumentDocumentationType** data type defines a list of **ReferenceTo** elements, each being a reference to an attached digital document.

The **ReferenceTo** element adheres to the **InternalReferenceType** data type which defines that the element needs to have an attribute, named **idref**, which actually is a reference to the id of an element within the same XML document. The references element is an **Attachment** element, found somewhere in the list of SkillsPassport/AttachmentList (described in 4.6).



Data Type	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
IntraDocumentDocumentationType	ReferenceTo:InternalReferenceType - S(0,unbounded)	Lists ReferenceTo elements that reference digital documents attached to this specific Europass Document and included in the XML document.
InternalReferenceType	idrefxsd:IDREF - required	Defines that the idref attribute needs to reference the id of an existing element in the XML Document.

Instance:

```
<Documentation>
  <ReferenceToidref="">{0,unbounded}</ReferenceTo>
</Documentation>
```

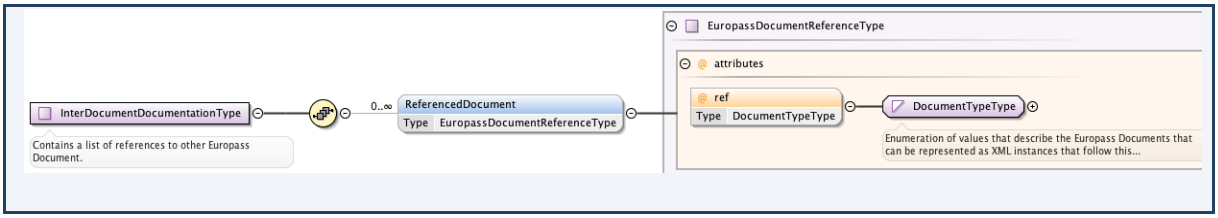
Indicative example:

```
<Documentation>
  <ReferenceTo idref="ATT_1"/>
  <ReferenceTo idref="ATT_2"/>
</Documentation>
```

5.13 InterDocumentDocumentationType

The **InterDocumentDocumentationType** data type defines a list of **ReferencedDocument** elements, each being a reference to a Europass Document acronym name, as defined by the DocumentTypeType data type.

The **ReferencedDocument** element adheres to the **EuropassDocumentReferenceType** data type which defines that the element needs to have an attribute, named **ref**, which actually is a reference to the acronym of a Europass Document.



Data Type	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
InterDocumentDocumentationType	ReferencedDocument:europass:EuropassDocumentReferenceType - S(0,unbounded)	Lists ReferencedDocuemnt ements that reference other Europass Documents.
InternalReferenceType	**Ref** europass:DocumentTypeType - required	Defines that the ref attribute needs to reference the acronym of a Europass Document.

Instance:

```
<Documentation>
  <ReferencedDocument ref="">{0,unbounded}</ReferencedDocument>
</Documentation>
```

Indicative example:

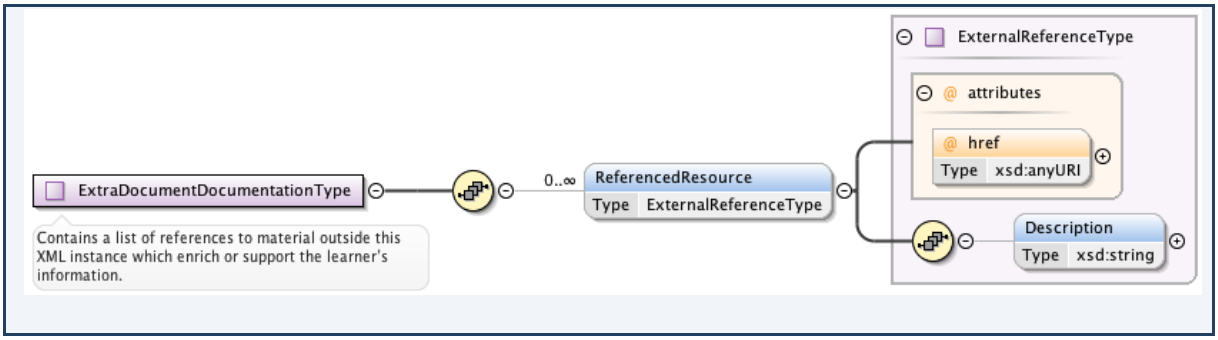
```
<InterDocument>
  <ReferencedDocument ref="ECV"/>
  <ReferencedDocument ref="ESP"/>

  <ReferencedDocument ref="ELP"/>
</InterDocument>
```

5.14 ExtraDocumentDocumentationType

The **ExraDocumentDocumentationType** data type defines a list of **ReferencedResource** elements, each being a reference to an external resource, that is a resource outside this XML, e.g. a public URI.

The **ReferencedResource** element adheres to the **ExternalReferenceType** data type which defines that the element needs to have a child element, named **Description**, which will describe the nature of the references external resource. It may also have an optional attribute, named **href**, which will provide the URI of the referenced resource.



Data Type	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
ExtraDocumentDocumentationType	ReferencedResource:europass:ExternalReferenceType -S(0,unbounded)	Lists ReferencedResource elements that reference external (outside this XML) resources.
ExternalReferenceType	Description:xsd:string-S(0,unbounded) hrefxsd:IDREF - required	Defines that the element must have a child Description element , and a href attribute.

Instance:

```
<ExtraDocument>
  <ReferencedResource href="">
        <Description>{0,unbounded}</Description>
  </ReferenceTo>
</ExtraDocument>
```

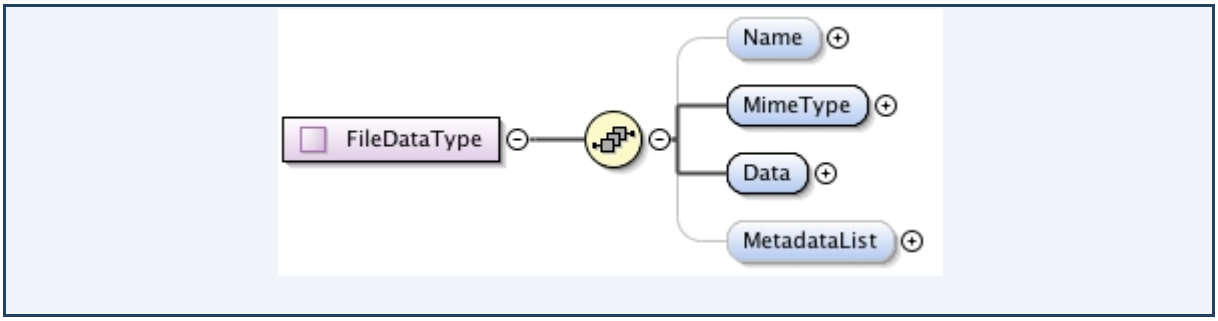
Indicative example:

```
<ExtraDocument>
  <ReferencedResource>
      <Description>List of Citations</Description>
  </ReferencedResource>
  <ReferencedResource href="http://myvideocv.com/jim.burnett">
      <Description>Video CV</Description>
  </ReferencedResource>
```

```
</ExtraDocument>
```

5.15 FileDataType

The **FileDataType** data type defines a sequence of elements and is used to describe an attached digital file.



Data Type	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
FileDataType	Name:xsd:string - S(0/1) MimeType: europass:MimeTypeEnumeration - S(1/1) Data: xsd:base64Binary - S(1/1) MetadataList: europass:MetadataListType - S(0/1)	Describes a digital document. **Name**: defines the original file-name. **MimeType**: defines the file type of the document and must follow the MimeTypeEnumeration data type. **Data**: includes the raw base-64 encoded bytes of the document. **MetadataList**: lists Metadata elements, each offering some extra information about this document.
MimeTypeEnumeration	Restriction on xsd:string- S(1/1) [enumeration] : image/jpeg [enumeration] : image/pjpeg [enumeration] : image/png [enumeration] : image/x-png [enumeration] : application/pdf	Restricts the string by defining an enumeration of allowed file mime types.
MetadataListType	Metadata: europass:MetadataType - S(0/unbounded)	Lists Metadata elements, each offering some extra information about this document.
MetadataType	key: xsd:string value: xsd:string	Defines specific metadata information identified by the key attribute and with text specified by the value attribute.

5.16 SkillType

The **SkillType** data type defines any skill or competence that an individual demonstrates. A **SkillType** defines a sequence of sub-elements: **Description**, **ProficiencyLevel**, **AcquiredDuring**, **VerifiedBy** and **Documentation**.

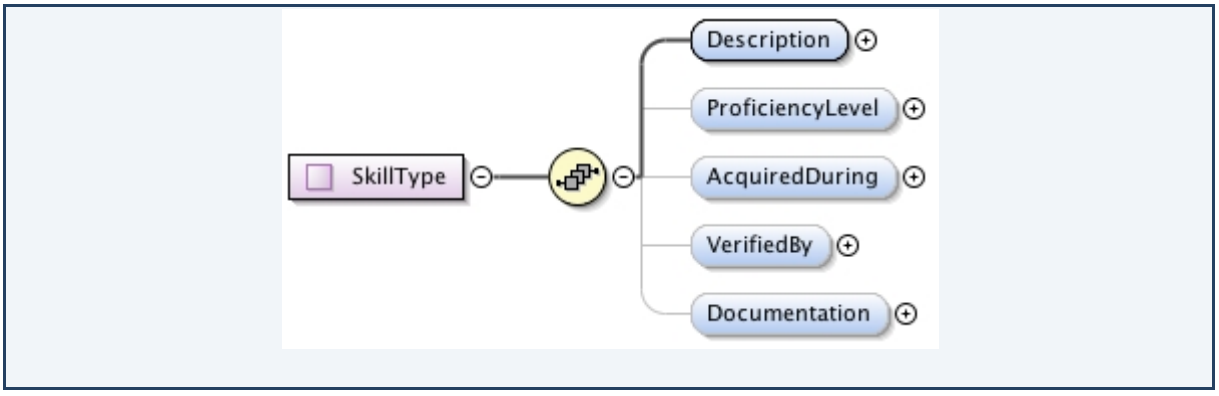
The **Description** element provides a text-based description of this skill.

The **ProficiencyLevel** denotes the level of expertise of the individual when it comes to the specific skill.

The **AcquiredDuring** element includes a list of Experiences in which the individual participated in, and which had as learning outcome the acquisition of this skill or competence.

The **VerifiedBy** element includes a list of Certificates each of which verifies that the individual has the specific skill or competence.

Finally, the **Documentation** element lists references to attached digital documents that are included in the XML Document and thatprovide evidence for the possession of this skill by the learner.



Data Type	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
SkillType	Description: xsd:anyType-S(1/1) ProficiencyLevel:xsd:anyType-S(0/1) AcquiredDuring: europass:ExperienceListType-S(0/1) VerifiedBy: europass:CertificateListType-S(0/1) Documention: europass:IntraDocumentDocumentationType-S(0/1)	Defines any skill or competence that an individual demonstrates

ExperienceListType	Experience: europass: AbstractExperienceListType-S(1/unbounded)	Defines a list of Experience elements, each adhering to **xsd:anyType**
CertificateListType	Certificate: europass:CertificateType-S(1/unbounded)	Defines a list of Certificate elements, each adhering to the **CertificateType**
CertificateType	Title: xsd:string-S(1/1) AwardingBody:xsd:string-S(0/1) Date: europass:DateType-S(0/1) Level: xsd:anyType-S(0/1)	Defines information about a certificate related to the awarded title, the date of awarding, the body that awarded it and finally the level against a specific classification to which this certificate corresponds.

5.17 CEFLanguageLevelType

The **CEFLanguageLevelType** data type defines a specific pattern for the CEF language level. According to this pattern, an element that adheres to this type must be a string that is comprised of one letter (either A, B or C) and one digit (either 1 or 2). E.g. A1, B2, C1. The levels are defined by the Common European Framework of Reference for Languages (CEFR).

Data Type	Compositions Child Element Content Type Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	Definition
CEFLanguageLevelType	Restriction xsd:string Pattern: ([A-C][12])?:	Defines a string that is comprised of one letter (either A, B or C) and one digit (either 1 or 2). E.g. A1, B2, C1

5.18 ICTLevelType

The **ICTLevelType** data type defines a specific pattern for the ICT level evaluation. According to this pattern, an element that adheres to this type must be a string that is comprised of one letter (either A, B or C) for instance A, B, C. The levels are defined by the Joint Research Centre in its report 'DIGCOMP: A Framework for Developing and Understanding Digital Competence in Europe.

Data Type	Compositions Child Element Content Type	Definition

	Sequence(S) | Choice(C) | All(A) (minOccurs/maxOccurs) Attributes(@)	
ICTLevelType	Restriction xsd:string [enumeration] : A [enumeration]: B [enumeration]: C	Enumeration of values that define the evaluation of ICT Skills that correspond to: A : Basic User B : Independent User C : Proficient User.

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