Schema - MobilitySchema.xsd	Generated using Liquid XML Studio by Liquid Technologies Ltd Mobility Project 2010-12-13 - MobilitySchema.xsd
Schema Name	MobilitySchema.xsd
Target Namespace	http://server.mobility.usos.edu.pl
Documentation	XML Schema conventions: - all names use lower camel case, - data type names end with T, - group names end with G. Semantic notes: - "home" and "partner" adjectives are used from the point of view of a party which performs a specific message dispatch. Notes on standards: - xsd:date data type uses format conforming to ISO 8601:2004(E) (it is a subset). For reference see: http://www.w3.org/TR/xmlschema-2/#isoformats, - SCHAC (SCHema for ACademia) is an internationally developed standard for exchanging data among academic and research institutions. Latest version is available at: http://www.terena.org/activities/tf-emc2/docs/schac/schac-schema-IAD-1.4.0.pdf.
Complex Types	academicPeriodSinceT addressT agreementIdT cooperationConditionsT courseDataT courseInstanceT employeePersonalCharacteristicsT errorT gradeT internationalizedStringT localAgreementIdT organizationDataT organizationTypeT personalCharacteristicsT studentPersonalCharacteristicsT studyCreditsT subjectAreaCodeT
Elements	agreementData agreementDataWithPersonalData agreementId arrivalDate courseInstancesWithPersonalData departureDate error getAgreementDataRequest getAgreementDataResponse getArrivalDateRequest getArrivalDateResponse getCourseDataRequest

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	getCourseDataResponse
	getDepartureDateRequest
	getDepartureDateResponse
	getLearningAgreementRequest
	getLearningAgreementResponse
	getNominatedStudentsRequest
	getNominatedStudentsResponse
	getOrganizationDataRequest
	getOrganizationDataResponse
	getTranscriptOfRecordsRequest
	getTranscriptOfRecordsResponse
	gradesFromCoursesWithPersonalData
	homeStudentId
	nominatedStudentsWithPersonalData
	organizationDataWithPersonalData
	partnerStudentId
	sendAgreementDataRequest
	sendAgreementDataResponse
	sendArrivalDateRequest
	sendArrivalDateResponse
	sendDepartureDateRequest
	sendDepartureDateResponse
	sendLearningAgreementRequest
	sendLearningAgreementResponse
	sendNominatedStudentsRequest
	sendNominatedStudentsResponse
	sendOrganizationDataRequest
	sendOrganizationDataResponse
	sendTranscriptOfRecordsRequest
	sendTranscriptOfRecordsResponse
	studentArrivalDate
	studentDepartureDate
	uniquePersonalData
	validateNationalPersonalIdRequest
	validateNationalPersonalIdResponse
	agreementAndCooperationConditionsContextG
Element Groups	agreementAndCooperationConditionsLimitedContextG
	cooperationConditionsContextG
	cooperationConditionsLimitedContextG
	cooperationConditionsRedundantContextG
	academicPeriodT
	academicYearT
Simple Types	contactHoursT
	cooperationConditionsIdT
	countryCodeOrIntT
	countryCodeT

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courseCodeT
        domainT
        emailT
        genderT
        languageCodeT
        nameT
        nationalPersonalIdT
        nonNegativeFloatT
        organizationalPersonalIdT
        organizationIdT
        personalPositionT
        positiveInt
        studyLevelT

⊒⊞XSD Schema Code

```
<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:tns="http://server.mobility.usos.edu.pl"
elementFormDefault="qualified"
targetNamespace="http://server.mobility.usos.edu.pl" >
  <xsd:annotation>
    <xsd:documentation>XML Schema conventions: - all names
use lower camel case, - data type names end with T, - group
names end with G. Semantic notes: - &quot;home&quot; and
&quot;partner&quot; adjectives are used from the point of
view of a party which performs a specific message dispatch.
Notes on standards: - xsd:date data type uses format
conforming to ISO 8601:2004(E) (it is a subset). For
reference see: http://www.w3.org/TR/xmlschema-
2/#isoformats, - SCHAC (SCHema for ACademia) is an
internationally developed standard for exchanging data
among academic and research institutions. Latest version is
available at: http://www.terena.org/activities/tf-
emc2/docs/schac/schac-schema-IAD-
1.4.0.pdf.</xsd:documentation>
  </xsd:annotation>
  <xsd:simpleType name="countryCodeT">
    <xsd:annotation>
      <xsd:documentation>Unique code of the country in ISO
3166-1 alpha-2 format, e.g. &quot;PL&quot;, &quot;IT&quot;,
&quot;GB&quot;. Full list available at
http://www.iso.org/iso/english_country_names_and_code_eleme
nts.</xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
      <xsd:pattern value="[a-zA-Z]{2}"/>
    </xsd:restriction>
  </xsd:simpleType>
```

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```xml
<xsd:simpleType name="languageCodeT">
  <xsd:annotation>
    <xsd:documentation>Unique code of the language in ISO
639-1 format, e.g. &quot;pl&quot; is &quot;Polish&quot;,
&quot;en&quot; in &quot;English&quot;, &quot;de&quot; is
&quot;German&quot;.</xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="[a-zA-Z]{2}"/>
  </xsd:restriction>
</xsd:simpleType>
<xsd:simpleType name="nameT">
  <xsd:annotation>
    <xsd:documentation>Name string, does not allow
whitespace. For precise definition see:
http://www.w3.org/TR/2001/REC-xmlschema-2-20010502/#nt-
MultiCharEsc.</xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="[\S]+"/>
  </xsd:restriction>
</xsd:simpleType>
<xsd:simpleType name="countryCodeOrIntT">
  <xsd:annotation>
    <xsd:documentation>Value of countryCodeT or string
&quot;int&quot;. Used to qualify organization type values
implemented by organizationTypeT.</xsd:documentation>
  </xsd:annotation>
  <xsd:union memberTypes="tns:countryCodeT">
    <xsd:simpleType>
      <xsd:restriction base="xsd:string">
        <xsd:pattern value="[iI][nN][tT]"/>
      </xsd:restriction>
    </xsd:simpleType>
  </xsd:union>
</xsd:simpleType>
<xsd:complexType name="internationalizedStringT">
  <xsd:annotation>
    <xsd:documentation>The same text in various
languages.</xsd:documentation>
  </xsd:annotation>
  <xsd:sequence maxOccurs="unbounded">
    <xsd:element name="value">
      <xsd:complexType>
        <xsd:simpleContent>
          <xsd:extension base="xsd:string">
            <xsd:attribute name="language"
```

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```
            type="tns:languageCodeT" use="required"/>
             </xsd:extension>
           </xsd:simpleContent>
         </xsd:complexType>
       </xsd:element>
     </xsd:sequence>
   </xsd:complexType>
   <xsd:simpleType name="domainT">
     <xsd:annotation>
       <xsd:documentation>Domain names conforming to RFC
1035 -- Domain names - implementation and specification.
Used as a unique id for the organization, see
tns:organizationIdT data type.</xsd:documentation>
     </xsd:annotation>
     <xsd:restriction base="xsd:string">
       <xsd:pattern value="[a-zA-Z]([a-zA-Z0-9\-]*[a-zA-Z0-
9])?(\.[a-zA-Z]([a-zA-Z0-9\-]*[a-zA-Z0-9])?)*"/>
     </xsd:restriction>
   </xsd:simpleType>
   <xsd:simpleType name="academicPeriodT">
     <xsd:restriction base="xsd:string">
       <xsd:enumeration value="Y">
         <xsd:annotation>
           <xsd:documentation>Full year</xsd:documentation>
         </xsd:annotation>
       </xsd:enumeration>
       <xsd:enumeration value="S1">
         <xsd:annotation>
           <xsd:documentation>Winter
semester</xsd:documentation>
         </xsd:annotation>
       </xsd:enumeration>
       <xsd:enumeration value="S2">
         <xsd:annotation>
           <xsd:documentation>Summer
semester</xsd:documentation>
         </xsd:annotation>
       </xsd:enumeration>
       <xsd:enumeration value="T1">
         <xsd:annotation>
           <xsd:documentation>First
trimester</xsd:documentation>
         </xsd:annotation>
       </xsd:enumeration>
       <xsd:enumeration value="T2">
         <xsd:annotation>
           <xsd:documentation>Second
```

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```xml
trimester</xsd:documentation>
        </xsd:annotation>
      </xsd:enumeration>
      <xsd:enumeration value="T3">
        <xsd:annotation>
          <xsd:documentation>Third
trimester</xsd:documentation>
        </xsd:annotation>
      </xsd:enumeration>
    </xsd:restriction>
  </xsd:simpleType>
  <xsd:simpleType name="nonNegativeFloatT">
    <xsd:restriction base="xsd:float">
      <xsd:minInclusive value="0.0"/>
    </xsd:restriction>
  </xsd:simpleType>
  <xsd:simpleType name="positiveInt">
    <xsd:restriction base="xsd:int">
      <xsd:minExclusive value="0"/>
    </xsd:restriction>
  </xsd:simpleType>
  <xsd:complexType name="academicPeriodSinceT">
    <xsd:sequence>
      <xsd:element name="academicYear"
type="tns:academicYearT"/>
      <xsd:element name="academicPeriod"
type="tns:academicPeriodT"/>
      <xsd:element name="duration"
type="xsd:positiveInteger"/>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="addressT">
    <xsd:sequence>
      <xsd:element name="street" type="xsd:string">
        <xsd:annotation>
          <xsd:documentation>The 'street' ('streetAddress'
in X.500) attribute type contains site information from a
postal address (i.e., the street name, place, avenue, and
the house number).&quot;</xsd:documentation>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="postalCode" type="xsd:string"/>
      <xsd:element name="localityName" type="xsd:string">
        <xsd:annotation>
          <xsd:documentation>The 'localityName'
('localityName' in X.500) attribute type contains names of
a locality or place, such as a city, county, or other
```

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```
geographic region.</xsd:documentation>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="countryName"
type="tns:countryCodeT"/>
      <xsd:element minOccurs="0" name="stateOrProvinceName"
type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:simpleType name="emailT">
    <xsd:annotation>
      <xsd:documentation>An email address as specified in
RFC 2798 (originally RFC 1274).</xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
      <xsd:pattern value="([0-9a-zA-Z]+[-\._\+&amp;])*[0-
9a-zA-Z]+@([-0-9a-zA-Z]+[.])+[a-zA-Z]{2,6}"/>
    </xsd:restriction>
  </xsd:simpleType>
  <xsd:complexType name="errorT">
    <xsd:annotation>
      <xsd:documentation>Used to carry information about a
possible error of a web method
invocation.</xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
      <xsd:element name="code" type="xsd:int"/>
      <xsd:element name="message" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:simpleType name="nationalPersonalIdT">
    <xsd:annotation>
      <xsd:documentation>Unique identifier of a person.
Based on SCHAC's attribute schacPersonalUniqueID but does
not use a prefix urn:mace:terena.org:schac:personalUniqueID
and an id type information. Value consists of a country
prefix (exactly as in tns:countryCodeT), a colon and an
identification number. Examples: Finnish FIC: fi:260667-
123F, Spanish NIF: es:31241312L, Swedish NIN: se:12345678,
Polish PESEL: pl:77121201230.</xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
      <xsd:pattern value="[a-zA-Z]{2}:[\S]+"/>
    </xsd:restriction>
  </xsd:simpleType>
  <xsd:simpleType name="genderT">
    <xsd:annotation>
```

```xml
        <xsd:documentation>Human sex, conforms to ISO/IEC
5218:2004.</xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:int">
      <xsd:enumeration value="0">
        <xsd:annotation>
          <xsd:documentation>Not known</xsd:documentation>
        </xsd:annotation>
      </xsd:enumeration>
      <xsd:enumeration value="1">
        <xsd:annotation>
          <xsd:documentation>Male</xsd:documentation>
        </xsd:annotation>
      </xsd:enumeration>
      <xsd:enumeration value="2">
        <xsd:annotation>
          <xsd:documentation>Female</xsd:documentation>
        </xsd:annotation>
      </xsd:enumeration>
      <xsd:enumeration value="9">
        <xsd:annotation>
          <xsd:documentation>Not
specified</xsd:documentation>
        </xsd:annotation>
      </xsd:enumeration>
    </xsd:restriction>
  </xsd:simpleType>
  <xsd:complexType name="personalCharacteristicsT">
    <xsd:sequence>
      <xsd:element minOccurs="0" name="nationalPersonalId"
type="tns:nationalPersonalIdT"/>
      <xsd:element name="givenNames" type="xsd:string">
        <xsd:annotation>
          <xsd:documentation>Given
names</xsd:documentation>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="surname1" type="xsd:string">
        <xsd:annotation>
          <xsd:documentation>Conforms to SCHAC's attribute
schacSn1.</xsd:documentation>
        </xsd:annotation>
      </xsd:element>
      <xsd:element minOccurs="0" name="surname2"
type="xsd:string">
        <xsd:annotation>
          <xsd:documentation>Conforms to SCHAC's attribute
```

```
schacSn2.</xsd:documentation>
        </xsd:annotation>
      </xsd:element>
      <xsd:element minOccurs="0" name="displayName"
type="xsd:string">
        <xsd:annotation>
          <xsd:documentation>Suggested form of the titles,
givenNames and surnames combined into a single string, to
be used e.g. in printed documents.</xsd:documentation>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="gender" type="tns:genderT"/>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:simpleType name="personalPositionT">
    <xsd:annotation>
      <xsd:documentation>Position within an organization.
This is deliberately not based on SCHAC's attribute
schacPersonalPosition which actually does not provide any
values. Besides, this type is intended to be informative to
humans; no processing is dependant upon
it.</xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string"/>
  </xsd:simpleType>
  <xsd:complexType name="employeePersonalCharacteristicsT">
    <xsd:complexContent mixed="false">
      <xsd:extension base="tns:personalCharacteristicsT">
        <xsd:sequence>
          <xsd:element name="employeeId"
type="tns:organizationalPersonalIdT"/>
          <xsd:element minOccurs="0" name="personalTitle"
type="xsd:string">
            <xsd:annotation>
              <xsd:documentation>Free format string. Based
on SCHAC (originally from RFC 1274), specifies a personal
title or salutation for a person. Examples: &quot;Ms&quot;,
&quot;Dr&quot;, &quot;Prof&quot;, &quot;Rev&quot;,
&quot;Sr&quot;.</xsd:documentation>
            </xsd:annotation>
          </xsd:element>
          <xsd:element minOccurs="0"
name="personalPosition" type="tns:personalPositionT"/>
          <xsd:element minOccurs="0" name="telephoneNumber"
type="xsd:string">
            <xsd:annotation>
              <xsd:documentation>A telephone number , based
```

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```
on RFC 4519.</xsd:documentation>
            </xsd:annotation>
          </xsd:element>
          <xsd:element minOccurs="0"
name="facsimileTelephoneNumber" type="xsd:string">
            <xsd:annotation>
              <xsd:documentation>A telephone number for
facsimile terminal, based on RFC 4519.</xsd:documentation>
            </xsd:annotation>
          </xsd:element>
          <xsd:element minOccurs="0" name="mail"
type="tns:emailT"/>
        </xsd:sequence>
      </xsd:extension>
    </xsd:complexContent>
  </xsd:complexType>
  <xsd:complexType name="studentPersonalCharacteristicsT">
    <xsd:complexContent mixed="false">
      <xsd:extension base="tns:personalCharacteristicsT">
        <xsd:sequence>
          <xsd:element name="studentId"
type="tns:organizationalPersonalIdT"/>
          <xsd:element name="dateOfBirth" type="xsd:date">
            <xsd:annotation>
              <xsd:documentation>Based on SCHAC's attribute
schacDateOfBirth but uses dashes to delimit consecutive
parts of a date, which is in fact specified in  RFC
3339.</xsd:documentation>
            </xsd:annotation>
          </xsd:element>
          <xsd:element name="placeOfBirth"
type="xsd:string">
            <xsd:annotation>
              <xsd:documentation>Based on SCHAC's attribute
schacPlaceOfBirth.</xsd:documentation>
            </xsd:annotation>
          </xsd:element>
          <xsd:element name="mail" type="tns:emailT"/>
          <xsd:element minOccurs="0"
name="permanentAddress" type="tns:addressT"/>
          <xsd:element minOccurs="0"
name="correspondenceAddress" type="tns:addressT"/>
          <xsd:element minOccurs="0" name="homePhone"
type="xsd:string">
            <xsd:annotation>
              <xsd:documentation>A home telephone number
associated with a person. Based on RFC 2798, values should
```

From usos.edu.pl/Mobility/REST/Documentation/default.html   12 January 2011

```
follow the agreed format for international telephone
numbers: i.e. +44 71 123 4567.</xsd:documentation>
            </xsd:annotation>
          </xsd:element>
          <xsd:element minOccurs="0" name="mobile"
type="xsd:string">
            <xsd:annotation>
              <xsd:documentation>A mobile telephone number
associated with a person. Based on RFC 2798, values should
follow the agreed format for international telephone
numbers: i.e. +44 71 123 4567.</xsd:documentation>
            </xsd:annotation>
          </xsd:element>
        </xsd:sequence>
      </xsd:extension>
    </xsd:complexContent>
  </xsd:complexType>
  <xsd:complexType name="organizationTypeT">
    <xsd:annotation>
      <xsd:documentation>Type of organization unit, e.g.
university, department, faculty, institute, chair. Based
closely on SCHAC's attribute schacHomeOrganizationType but
has a prefix urn:mace:terena.org:schac:homeOrganizationType
and a consecutive colon stripped off and is split through
colons into a sequence. See
http://www.terena.org/registry/terena.org/schac/homeOrganiz
ationType/ for further reference.</xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
      <xsd:element name="nationalNamespace"
type="tns:countryCodeOrIntT"/>
      <xsd:element name="value" type="tns:nameT">
        <xsd:annotation>
          <xsd:documentation>Organization type is a string
from a nationally controlled vocabulary, published through
the URI identified at the TERENA URN registry at
http://www.terena.org/registry/terena.org/schac/homeOrganiz
ationType/. Examples: from &quot;EU&quot; namespace:
higherEducationalInstitution, educationalInstitution, from
&quot;INT&quot; namespace: NREN, universityHospital,
NRENAffiliate, other. Official ISO FAQ item regarding
&quot;EU&quot;
(http://www.iso.org/iso/country_codes/iso_3166-
faqs/iso_3166_faqs_specific.htm): What is the ISO 3166-1
code for the European Union? You can use EU for the name
European Union. Please note that this is not an official
ISO 3166-1 country code. The European Union is not a
```

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country but rather an organization. As such it is not
eligible to be formally included in ISO 3166-1.
Recognizing, however, that many users of ISO 3166-1 have a
practical need to encode that name the ISO 3166/MA reserved
the two-letter combination EU for the purpose of
identifying the European Union within the framework of ISO
3166-1.</xsd:documentation>
        </xsd:annotation>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:simpleType name="organizationIdT">
    <xsd:annotation>
      <xsd:documentation>Unique id for an organization as a
domain name. Based on SCHAC's attribute
schacHomeOrganization. Example:
uw.edu.pl.</xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="tns:domainT"/>
  </xsd:simpleType>
  <xsd:simpleType name="organizationalPersonalIdT">
    <xsd:annotation>
      <xsd:documentation>Unique identifier of a person
within an organization. Value consists of an organization
prefix (see organizationIdT data type), a colon and an
actual number. Example:
uw.edu.pl:60225.</xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
      <xsd:pattern value="[a-zA-Z]([a-zA-Z0-9\-]*[a-zA-Z0-
9])?(\.[a-zA-Z]([a-zA-Z0-9\-]*[a-zA-Z0-9])?)*:[\S]+"/>
    </xsd:restriction>
  </xsd:simpleType>
  <xsd:complexType name="organizationDataT">
    <xsd:annotation>
      <xsd:documentation>Complete info about an
organization.</xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
      <xsd:element name="organizationId"
type="tns:organizationIdT"/>
      <xsd:element minOccurs="0" name="organizationType"
type="tns:organizationTypeT"/>
      <xsd:element name="name"
type="tns:internationalizedStringT"/>
      <xsd:element name="address" type="tns:addressT"/>
      <xsd:element name="URL" type="xsd:anyURI"/>

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```xsd
      <xsd:element minOccurs="0"
name="administrativeCoordinator"
type="tns:organizationalPersonalIdT"/>
      <xsd:element minOccurs="0"
name="institutionalCoordinator"
type="tns:organizationalPersonalIdT"/>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="subjectAreaCodeT">
    <xsd:annotation>
      <xsd:documentation>Code of the study subject area
within specific classification.</xsd:documentation>
    </xsd:annotation>
    <xsd:sequence maxOccurs="unbounded">
      <xsd:element name="value">
        <xsd:complexType>
          <xsd:simpleContent>
            <xsd:extension base="xsd:string">
              <xsd:attribute name="classification"
type="tns:nameT" use="required">
                <xsd:annotation>
                  <xsd:documentation>Name of
classification. Expected values are: EU, ISCED97 (case
insensitive). EU denotes Socrate/Erasmus coding (examples:
&quot;11.3&quot; corresponds to Computer Science,
&quot;15.1&quot; to Journalism), ISCED97 - UNESCO ISCED 97
standard (examples: &quot;48&quot; - Computing,
&quot;32&quot; - Journalism and
information).</xsd:documentation>
                </xsd:annotation>
              </xsd:attribute>
            </xsd:extension>
          </xsd:simpleContent>
        </xsd:complexType>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:simpleType name="courseCodeT">
    <xsd:annotation>
      <xsd:documentation>Course code, unique in the course
catalog of the institution.</xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="tns:nameT"/>
  </xsd:simpleType>
  <xsd:complexType name="studyCreditsT">
    <xsd:annotation>
      <xsd:documentation>Credits of a given type granted
```

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```
for completing the course.</xsd:documentation>
    </xsd:annotation>
    <xsd:sequence maxOccurs="unbounded">
      <xsd:element name="value">
        <xsd:complexType>
          <xsd:simpleContent>
            <xsd:extension base="tns:nonNegativeFloatT">
              <xsd:attribute name="unit" type="tns:nameT"
use="required">
                <xsd:annotation>
                  <xsd:documentation>Unit of credits,
typical value is ECTS (case
insensitive).</xsd:documentation>
                </xsd:annotation>
              </xsd:attribute>
            </xsd:extension>
          </xsd:simpleContent>
        </xsd:complexType>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:simpleType name="contactHoursT">
    <xsd:annotation>
      <xsd:documentation>Total number of hours of the
course (lectures, classes, labs), e.g. 30 or 45 or
7,5.</xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="tns:nonNegativeFloatT"/>
  </xsd:simpleType>
  <xsd:complexType name="courseDataT">
    <xsd:annotation>
      <xsd:documentation>Complete info about a
course.</xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
      <xsd:element name="code" type="tns:courseCodeT"/>
      <xsd:element name="name"
type="tns:internationalizedStringT"/>
      <xsd:element name="description"
type="tns:internationalizedStringT"/>
      <xsd:element minOccurs="0" name="language"
type="tns:languageCodeT"/>
      <xsd:element minOccurs="0" name="courseURL"
type="xsd:anyURI"/>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="courseInstanceT">
```

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```xml
    <xsd:annotation>
      <xsd:documentation>Course instance in a particular
period, semester or academic year.</xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
      <xsd:element name="code" type="tns:courseCodeT"/>
      <xsd:element name="studyCredits"
type="tns:studyCreditsT">
        <xsd:key
name="courseInstanceStudyCredits_uniqueUnit">
          <xsd:selector xpath="tns:value"/>
          <xsd:field xpath="@unit"/>
        </xsd:key>
      </xsd:element>
      <xsd:element name="contactHours"
type="tns:contactHoursT"/>
      <xsd:element name="period"
type="tns:academicPeriodSinceT"/>
      <xsd:element minOccurs="0" name="lecturerId"
type="tns:organizationalPersonalIdT"/>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="gradeT">
    <xsd:annotation>
      <xsd:documentation>Grade from a given grading
scheme.</xsd:documentation>
    </xsd:annotation>
    <xsd:sequence maxOccurs="unbounded">
      <xsd:element name="value">
        <xsd:complexType>
          <xsd:simpleContent>
            <xsd:extension base="xsd:string">
              <xsd:attribute name="gradingScheme"
type="tns:nameT" use="required">
                <xsd:annotation>
                  <xsd:documentation>Name of a grading
scheme. Typical values are: ECTS, local (case
insensitive).</xsd:documentation>
                </xsd:annotation>
              </xsd:attribute>
            </xsd:extension>
          </xsd:simpleContent>
        </xsd:complexType>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:simpleType name="studyLevelT">
```

```xml
    <xsd:restriction base="xsd:int">
      <xsd:enumeration value="1">
        <xsd:annotation>
          <xsd:documentation>Student</xsd:documentation>
        </xsd:annotation>
      </xsd:enumeration>
      <xsd:enumeration value="2">
        <xsd:annotation>
          <xsd:documentation>Master
student</xsd:documentation>
        </xsd:annotation>
      </xsd:enumeration>
      <xsd:enumeration value="3">
        <xsd:annotation>
          <xsd:documentation>Ph.D.
student</xsd:documentation>
        </xsd:annotation>
      </xsd:enumeration>
      <xsd:enumeration value="4">
        <xsd:annotation>
          <xsd:documentation>Any level</xsd:documentation>
        </xsd:annotation>
      </xsd:enumeration>
    </xsd:restriction>
  </xsd:simpleType>
  <xsd:simpleType name="academicYearT">
    <xsd:annotation>
      <xsd:documentation>Examples: &quot;2006&quot;,
&quot;2007&quot;, &quot;2008&quot;.</xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:gYear"/>
  </xsd:simpleType>
  <xsd:complexType name="localAgreementIdT">
    <xsd:sequence>
      <xsd:element name="organizationId"
type="tns:organizationIdT"/>
      <xsd:element name="value" type="tns:nameT"/>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="agreementIdT">
    <xsd:annotation>
      <xsd:documentation>Bilateral agreement is identified
by agreement identifiers of both parties -
organizations.</xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
      <xsd:element name="homeId"
```

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```xml
                type="tns:localAgreementIdT"/>
      <xsd:element minOccurs="0" name="partnerId"
type="tns:localAgreementIdT"/>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:simpleType name="cooperationConditionsIdT">
    <xsd:restriction base="tns:positiveInt"/>
  </xsd:simpleType>
  <xsd:complexType name="cooperationConditionsT">
    <xsd:annotation>
      <xsd:documentation>Conditions of cooperation within a
specified subject area.</xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
      <xsd:element name="cooperationConditionsId"
type="tns:cooperationConditionsIdT"/>
      <xsd:element name="studyLevel"
type="tns:studyLevelT"/>
      <xsd:element name="homeNumberOfPlaces"
type="xsd:positiveInteger"/>
      <xsd:element name="homeNumberOfMonths"
type="xsd:positiveInteger"/>
      <xsd:element name="partnerNumberOfPlaces"
type="xsd:positiveInteger"/>
      <xsd:element name="partnerNumberOfMonths"
type="xsd:positiveInteger"/>
      <xsd:element minOccurs="0" name="startDate"
type="xsd:date"/>
      <xsd:element minOccurs="0" name="endDate"
type="xsd:date"/>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:group name="cooperationConditionsRedundantContextG">
    <xsd:annotation>
      <xsd:documentation>Cooperation conditions identifier
with two redundant attributes.</xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
      <xsd:element name="cooperationConditionsId"
type="tns:cooperationConditionsIdT"/>
      <xsd:element name="subjectAreaCode"
type="tns:subjectAreaCodeT">
        <xsd:key
name="cooperationConditionsRedundantContextG_uniqueClassifi
cation">
          <xsd:selector xpath="tns:value"/>
          <xsd:field xpath="@classification"/>
```

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```xml
        </xsd:key>
      </xsd:element>
      <xsd:element name="studyLevel"
type="tns:studyLevelT"/>
    </xsd:sequence>
  </xsd:group>
  <xsd:group name="cooperationConditionsContextG">
    <xsd:annotation>
      <xsd:documentation>Cooperation conditions data for
student nominations.</xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
      <xsd:group
ref="tns:cooperationConditionsRedundantContextG"/>
      <xsd:element name="stayPeriod"
type="tns:academicPeriodSinceT"/>
    </xsd:sequence>
  </xsd:group>
  <xsd:group name="cooperationConditionsLimitedContextG">
    <xsd:annotation>
      <xsd:documentation>Similar to
cooperationConditionsContextG but it has less precise stay
period definition. Used to build
agreementAndCooperationConditionsLimitedContextG.</xsd:docu
mentation>
    </xsd:annotation>
    <xsd:sequence>
      <xsd:group minOccurs="0"
ref="tns:cooperationConditionsRedundantContextG"/>
      <xsd:element name="academicYear"
type="tns:academicYearT"/>
    </xsd:sequence>
  </xsd:group>
  <xsd:element name="agreementId" type="tns:agreementIdT"/>
  <xsd:group
name="agreementAndCooperationConditionsLimitedContextG">
    <xsd:annotation>
      <xsd:documentation>Complete context for
get/sendNominatedStudents.</xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
      <xsd:element ref="tns:agreementId"/>
      <xsd:group
ref="tns:cooperationConditionsLimitedContextG"/>
    </xsd:sequence>
  </xsd:group>
  <xsd:group
```

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```xml
name="agreementAndCooperationConditionsContextG">
  <xsd:annotation>
    <xsd:documentation>Complete context for
get/sendArrivalDate, get/sendDepartureDate,
get/sendLearningAgreement,
get/sendTranscriptOfRecords.</xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element ref="tns:agreementId"/>
    <xsd:group ref="tns:cooperationConditionsContextG"/>
  </xsd:sequence>
</xsd:group>
<xsd:element name="uniquePersonalData">
  <xsd:annotation>
    <xsd:documentation>List of employee or student
personal data. Used as a dictionary for references in
business data structures which reference such
data.</xsd:documentation>
  </xsd:annotation>
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element minOccurs="0" maxOccurs="unbounded"
name="employee"
type="tns:employeePersonalCharacteristicsT"/>
      <xsd:element minOccurs="0" maxOccurs="unbounded"
name="student" type="tns:studentPersonalCharacteristicsT"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<xsd:element name="homeStudentId"
type="tns:organizationalPersonalIdT"/>
<xsd:element name="partnerStudentId"
type="tns:organizationalPersonalIdT"/>
<xsd:element name="organizationDataWithPersonalData">
  <xsd:annotation>
    <xsd:documentation>Organization data with personal
data dictionary, exchanged through
get/sendOrganizationData.</xsd:documentation>
  </xsd:annotation>
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="tns:uniquePersonalData"/>
      <xsd:element name="organizationData"
type="tns:organizationDataT"/>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:key
```

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```xml
name="organizationDataWithPersonalData_uniqueEmployeesK">
      <xsd:selector
xpath="tns:uniquePersonalData/tns:employee/tns:employeeId"/
>
      <xsd:field xpath="."/>
    </xsd:key>
    <xsd:key
name="organizationDataWithPersonalData_uniqueStudentsK">
      <xsd:selector
xpath="tns:uniquePersonalData/tns:student/tns:studentId"/>
      <xsd:field xpath="."/>
    </xsd:key>
    <xsd:keyref name="administrativeCoordinatorKR"
refer="tns:organizationDataWithPersonalData_uniqueEmployees
K">
      <xsd:selector
xpath="tns:organizationData/tns:administrativeCoordinator"/
>
      <xsd:field xpath="."/>
    </xsd:keyref>
    <xsd:keyref name="institutionalCoordinatorKR"
refer="tns:organizationDataWithPersonalData_uniqueEmployees
K">
      <xsd:selector
xpath="tns:organizationData/tns:institutionalCoordinator"/>
      <xsd:field xpath="."/>
    </xsd:keyref>
  </xsd:element>
  <xsd:element name="sendOrganizationDataRequest">
    <xsd:annotation>
      <xsd:documentation>Send data about organization unit
within home organization, like faculty inside
university.</xsd:documentation>
    </xsd:annotation>
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element
ref="tns:organizationDataWithPersonalData"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="sendOrganizationDataResponse"/>
  <xsd:element name="getOrganizationDataRequest">
    <xsd:annotation>
      <xsd:documentation>Ask partner about organization
unit within partner organization, like faculty inside
university.</xsd:documentation>
```

```xml
      </xsd:annotation>
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element name="organizationId"
type="tns:organizationIdT"/>
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>
    <xsd:element name="getOrganizationDataResponse">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element
ref="tns:organizationDataWithPersonalData"/>
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>
    <xsd:element name="agreementData">
      <xsd:complexType>
        <xsd:annotation>
          <xsd:documentation>Details of the agreement between
both organizations.</xsd:documentation>
        </xsd:annotation>
        <xsd:sequence>
          <xsd:element minOccurs="0"
name="homeAdministrativeCoordinator"
type="tns:organizationalPersonalIdT"/>
          <xsd:element minOccurs="0"
name="homeInstitutionalCoordinator"
type="tns:organizationalPersonalIdT"/>
          <xsd:element minOccurs="0"
name="partnerAdministrativeCoordinator"
type="tns:organizationalPersonalIdT"/>
          <xsd:element minOccurs="0"
name="partnerInstitutionalCoordinator"
type="tns:organizationalPersonalIdT"/>
          <xsd:element name="startDate" type="xsd:date"/>
          <xsd:element minOccurs="0" name="endDate"
type="xsd:date"/>
          <xsd:sequence maxOccurs="unbounded">
            <xsd:element name="subjectAreaAgreement">
              <xsd:complexType>
                <xsd:sequence>
                  <xsd:element name="subjectAreaCode"
type="tns:subjectAreaCodeT">
                    <xsd:key
name="subjectAreaAgreement_uniqueClassification">
                      <xsd:selector xpath="tns:value"/>
```

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```xml
                            <xsd:field xpath="@classification"/>
                          </xsd:key>
                        </xsd:element>
                        <xsd:element minOccurs="0" name="homeUnit"
type="tns:organizationIdT"/>
                        <xsd:element minOccurs="0"
name="homeUnitCoordinator"
type="tns:organizationalPersonalIdT"/>
                        <xsd:element minOccurs="0"
name="partnerUnit" type="tns:organizationIdT"/>
                        <xsd:element minOccurs="0"
name="partnerUnitCoordinator"
type="tns:organizationalPersonalIdT"/>
                        <xsd:sequence maxOccurs="unbounded">
                          <xsd:element name="cooperationConditions"
type="tns:cooperationConditionsT"/>
                        </xsd:sequence>
                      </xsd:sequence>
                    </xsd:complexType>
                    <xsd:key name="conditionsStudyLevelK">
                      <xsd:selector
xpath="tns:cooperationConditions/tns:studyLevel"/>
                      <xsd:field xpath="."/>
                    </xsd:key>
                  </xsd:element>
                </xsd:sequence>
              </xsd:sequence>
            </xsd:complexType>
            <xsd:key name="cooperationConditionsK">
              <xsd:selector
xpath="tns:subjectAreaAgreement/tns:cooperationConditions/t
ns:cooperationConditionsId"/>
              <xsd:field xpath="."/>
            </xsd:key>
          </xsd:element>
          <xsd:element name="agreementDataWithPersonalData">
            <xsd:annotation>
              <xsd:documentation>Agreement data with personal data
dictionary.</xsd:documentation>
            </xsd:annotation>
            <xsd:complexType>
              <xsd:sequence>
                <xsd:element ref="tns:uniquePersonalData"/>
                <xsd:element ref="tns:agreementData"/>
              </xsd:sequence>
            </xsd:complexType>
            <xsd:key
```

```xml
name="agreementDataWithPersonalData_uniqueEmployeesK">
      <xsd:selector
xpath="tns:uniquePersonalData/tns:employee/tns:employeeId"/
>
      <xsd:field xpath="."/>
    </xsd:key>
    <xsd:key
name="agreementDataWithPersonalData_uniqueStudentsK">
      <xsd:selector
xpath="tns:uniquePersonalData/tns:student/tns:studentId"/>
      <xsd:field xpath="."/>
    </xsd:key>
    <xsd:keyref name="homeAdministrativeCoordinatorKR"
refer="tns:agreementDataWithPersonalData_uniqueEmployeesK">
      <xsd:selector
xpath="tns:agreementData/tns:homeAdministrativeCoordinator"
/>
      <xsd:field xpath="."/>
    </xsd:keyref>
    <xsd:keyref name="homeInstitutionalCoordinatorKR"
refer="tns:agreementDataWithPersonalData_uniqueEmployeesK">
      <xsd:selector
xpath="tns:agreementData/tns:homeInstitutionalCoordinator"/
>
      <xsd:field xpath="."/>
    </xsd:keyref>
    <xsd:keyref name="partnerAdministrativeCoordinatorKR"
refer="tns:agreementDataWithPersonalData_uniqueEmployeesK">
      <xsd:selector
xpath="tns:agreementData/tns:partnerAdministrativeCoordinat
or"/>
      <xsd:field xpath="."/>
    </xsd:keyref>
    <xsd:keyref name="partnerInstitutionalCoordinatorKR"
refer="tns:agreementDataWithPersonalData_uniqueEmployeesK">
      <xsd:selector
xpath="tns:agreementData/tns:partnerInstitutionalCoordinato
r"/>
      <xsd:field xpath="."/>
    </xsd:keyref>
    <xsd:keyref name="subjectAreaHomeUnitCoordinatorKR"
refer="tns:agreementDataWithPersonalData_uniqueEmployeesK">
      <xsd:selector
xpath="tns:agreementData/tns:subjectAreaAgreement/tns:homeU
nitCoordinator"/>
      <xsd:field xpath="."/>
    </xsd:keyref>
```

```xml
    <xsd:keyref name="subjectAreaPartnerUnitCoordinatorKR"
refer="tns:agreementDataWithPersonalData_uniqueEmployeesK">
      <xsd:selector
xpath="tns:agreementData/tns:subjectAreaAgreement/tns:partn
erUnitCoordinator"/>
      <xsd:field xpath="."/>
    </xsd:keyref>
  </xsd:element>
  <xsd:element name="sendAgreementDataRequest">
    <xsd:annotation>
      <xsd:documentation>Send agreement details to partner
institution.</xsd:documentation>
    </xsd:annotation>
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="tns:agreementId"/>
        <xsd:element
ref="tns:agreementDataWithPersonalData"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="sendAgreementDataResponse"/>
  <xsd:element name="getAgreementDataRequest">
    <xsd:annotation>
      <xsd:documentation>Get agreement details from partner
institution.</xsd:documentation>
    </xsd:annotation>
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="tns:agreementId"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="getAgreementDataResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element
ref="tns:agreementDataWithPersonalData"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="nominatedStudentsWithPersonalData">
    <xsd:annotation>
      <xsd:documentation>Nominated students with personal
data dictionary.</xsd:documentation>
    </xsd:annotation>
    <xsd:complexType>
```

```
        <xsd:sequence>
          <xsd:element ref="tns:uniquePersonalData"/>
          <xsd:element maxOccurs="unbounded"
name="nominations">
            <xsd:complexType>
              <xsd:sequence>
                <xsd:group
ref="tns:cooperationConditionsContextG"/>
                <xsd:element maxOccurs="unbounded"
name="studentId" type="tns:organizationalPersonalIdT"/>
              </xsd:sequence>
            </xsd:complexType>
          </xsd:element>
        </xsd:sequence>
      </xsd:complexType>
      <xsd:key
name="nominatedStudentsWithPersonalData_uniqueEmployeesK">
        <xsd:selector
xpath="tns:uniquePersonalData/tns:employee/tns:employeeId"/
>
        <xsd:field xpath="."/>
      </xsd:key>
      <xsd:key
name="nominatedStudentsWithPersonalData_uniqueStudentsK">
        <xsd:selector
xpath="tns:uniquePersonalData/tns:student/tns:studentId"/>
        <xsd:field xpath="."/>
      </xsd:key>
      <xsd:key
name="nominatedStudentsWithPersonalData_uniqueCooperationCo
nditionsK">
        <xsd:selector
xpath="tns:nominations/tns:cooperationConditionsId"/>
        <xsd:field xpath="."/>
      </xsd:key>
      <xsd:keyref name="studentStayPeriod_uniqueStudentsKR"
refer="tns:nominatedStudentsWithPersonalData_uniqueStudents
K">
        <xsd:selector xpath="tns:nominations/tns:studentId"/>
        <xsd:field xpath="."/>
      </xsd:keyref>
    </xsd:element>
    <xsd:element name="sendNominatedStudentsRequest">
      <xsd:annotation>
        <xsd:documentation>Send to partner institution data
of nominated students data from home
institution.</xsd:documentation>
```

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```xml
        </xsd:annotation>
    <xsd:complexType>
      <xsd:sequence>
        <xsd:group
ref="tns:agreementAndCooperationConditionsLimitedContextG"/
>
        <xsd:element
ref="tns:nominatedStudentsWithPersonalData"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="sendNominatedStudentsResponse"/>
  <xsd:element name="getNominatedStudentsRequest">
    <xsd:annotation>
      <xsd:documentation>Get from partner institution list
students nominated for study at home
institution.</xsd:documentation>
    </xsd:annotation>
    <xsd:complexType>
      <xsd:sequence>
        <xsd:group
ref="tns:agreementAndCooperationConditionsLimitedContextG"/
>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="getNominatedStudentsResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element
ref="tns:nominatedStudentsWithPersonalData"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="arrivalDate" type="xsd:date">
    <xsd:annotation>
      <xsd:documentation>Date of arrival to home
institution.</xsd:documentation>
    </xsd:annotation>
  </xsd:element>
  <xsd:element name="studentArrivalDate">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="tns:partnerStudentId"/>
        <xsd:element ref="tns:arrivalDate"/>
      </xsd:sequence>
    </xsd:complexType>
```

```xml
      </xsd:element>
      <xsd:element name="sendArrivalDateRequest">
        <xsd:annotation>
          <xsd:documentation>Send to partner institution date
of arrival to home (host) institution of the student from
partner institution.</xsd:documentation>
        </xsd:annotation>
        <xsd:complexType>
          <xsd:sequence>
            <xsd:group
ref="tns:agreementAndCooperationConditionsContextG"/>
            <xsd:element maxOccurs="unbounded"
ref="tns:studentArrivalDate"/>
          </xsd:sequence>
        </xsd:complexType>
      </xsd:element>
      <xsd:element name="sendArrivalDateResponse"/>
      <xsd:element name="getArrivalDateRequest">
        <xsd:annotation>
          <xsd:documentation>Ask the partner (host) institution
about date of arrival to partner institution of the
student(s) from home institution.</xsd:documentation>
        </xsd:annotation>
        <xsd:complexType>
          <xsd:sequence>
            <xsd:group
ref="tns:agreementAndCooperationConditionsContextG"/>
            <xsd:element maxOccurs="unbounded"
ref="tns:homeStudentId"/>
          </xsd:sequence>
        </xsd:complexType>
      </xsd:element>
      <xsd:element name="getArrivalDateResponse">
        <xsd:complexType>
          <xsd:sequence>
            <xsd:element maxOccurs="unbounded"
ref="tns:studentArrivalDate"/>
          </xsd:sequence>
        </xsd:complexType>
      </xsd:element>
      <xsd:element name="departureDate" type="xsd:date">
        <xsd:annotation>
          <xsd:documentation>Date of departure from home
institution.</xsd:documentation>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="studentDepartureDate">
```

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```xml
        <xsd:complexType>
          <xsd:sequence>
            <xsd:element ref="tns:partnerStudentId"/>
            <xsd:element ref="tns:departureDate"/>
          </xsd:sequence>
        </xsd:complexType>
      </xsd:element>
      <xsd:element name="sendDepartureDateRequest">
        <xsd:annotation>
          <xsd:documentation>Send to partner institution date
of departure of its student from home (host)
institution</xsd:documentation>
        </xsd:annotation>
        <xsd:complexType>
          <xsd:sequence>
            <xsd:group
ref="tns:agreementAndCooperationConditionsContextG"/>
            <xsd:element maxOccurs="unbounded"
ref="tns:studentDepartureDate"/>
          </xsd:sequence>
        </xsd:complexType>
      </xsd:element>
      <xsd:element name="sendDepartureDateResponse"/>
      <xsd:element name="getDepartureDateRequest">
        <xsd:annotation>
          <xsd:documentation>Ask the partner (host) institution
about date of departure of the student from home
institution.</xsd:documentation>
        </xsd:annotation>
        <xsd:complexType>
          <xsd:sequence>
            <xsd:group
ref="tns:agreementAndCooperationConditionsContextG"/>
            <xsd:element maxOccurs="unbounded"
ref="tns:homeStudentId"/>
          </xsd:sequence>
        </xsd:complexType>
      </xsd:element>
      <xsd:element name="getDepartureDateResponse">
        <xsd:complexType>
          <xsd:sequence>
            <xsd:element maxOccurs="unbounded"
ref="tns:studentDepartureDate"/>
          </xsd:sequence>
        </xsd:complexType>
      </xsd:element>
      <xsd:element name="getCourseDataRequest">
```

```xml
    <xsd:annotation>
      <xsd:documentation>Ask the course data from the
partner institution. Course belongs to partner's
institution course catalog.</xsd:documentation>
    </xsd:annotation>
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element maxOccurs="unbounded"
name="partnerCourseCode" type="tns:courseCodeT"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="getCourseDataResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element maxOccurs="unbounded"
name="courseData" type="tns:courseDataT"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="courseInstancesWithPersonalData">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="tns:uniquePersonalData"/>
        <xsd:element maxOccurs="unbounded"
name="courseInstance" type="tns:courseInstanceT">
          <xsd:annotation>
            <xsd:documentation>Courses from partner's
catalog.</xsd:documentation>
          </xsd:annotation>
          <xsd:key
name="courseInstancesWithPersonalData_uniqueStudyCreditsUni
tK">
            <xsd:selector
xpath="tns:studyCredits/tns:value"/>
            <xsd:field xpath="@unit"/>
          </xsd:key>
        </xsd:element>
      </xsd:sequence>
    </xsd:complexType>
    <xsd:key
name="courseInstancesWithPersonalData_uniqueEmployeesK">
      <xsd:selector
xpath="tns:uniquePersonalData/tns:employee/tns:employeeId"/
>
      <xsd:field xpath="."/>
    </xsd:key>
```

```xml
    <xsd:key
name="courseInstancesWithPersonalData_uniqueStudentsK">
      <xsd:selector
xpath="tns:uniquePersonalData/tns:student/tns:studentId"/>
      <xsd:field xpath="."/>
    </xsd:key>
    <xsd:keyref
name="courseInstancesWithPersonalData_lecturerKR"
refer="tns:courseInstancesWithPersonalData_uniqueEmployeesK
">
      <xsd:selector
xpath="tns:courseInstance/tns:lecturerId"/>
      <xsd:field xpath="."/>
    </xsd:keyref>
  </xsd:element>
  <xsd:element name="sendLearningAgreementRequest">
    <xsd:annotation>
      <xsd:documentation>Send to partner (host) institution
list of LAs of nominated students from home institution.
List contains courses from the partner's course
catalog.</xsd:documentation>
    </xsd:annotation>
    <xsd:complexType>
      <xsd:sequence>
        <xsd:group
ref="tns:agreementAndCooperationConditionsContextG"/>
        <xsd:element ref="tns:homeStudentId"/>
        <xsd:element
ref="tns:courseInstancesWithPersonalData"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="sendLearningAgreementResponse"/>
  <xsd:element name="getLearningAgreementRequest">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:group
ref="tns:agreementAndCooperationConditionsContextG"/>
        <xsd:element ref="tns:partnerStudentId"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="getLearningAgreementResponse">
    <xsd:annotation>
      <xsd:documentation>Get from partner institution list
of LAs of nominated students from partner institution. List
contains courses from the home (host) course
```

```
catalog.</xsd:documentation>
    </xsd:annotation>
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element
ref="tns:courseInstancesWithPersonalData"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="gradesFromCoursesWithPersonalData">
    <xsd:annotation>
      <xsd:documentation>Grades from courses with personal
data dictionary.</xsd:documentation>
    </xsd:annotation>
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="tns:uniquePersonalData"/>
        <xsd:element maxOccurs="unbounded"
name="gradeFromCourse">
          <xsd:complexType>
            <xsd:sequence>
              <xsd:element name="courseInstance"
type="tns:courseInstanceT"/>
              <xsd:element minOccurs="0" name="grade"
type="tns:gradeT">
                <xsd:key
name="gradesFromCoursesWithPersonalData_uniqueGradingScheme
">
                  <xsd:selector xpath="tns:value"/>
                  <xsd:field xpath="@gradingScheme"/>
                </xsd:key>
              </xsd:element>
            </xsd:sequence>
          </xsd:complexType>
        </xsd:element>
      </xsd:sequence>
    </xsd:complexType>
    <xsd:key
name="gradesFromCoursesWithPersonalData_uniqueEmployeesK">
      <xsd:selector
xpath="tns:uniquePersonalData/tns:employee/tns:employeeId"/
>
      <xsd:field xpath="."/>
    </xsd:key>
    <xsd:key
name="gradesFromCoursesWithPersonalData_uniqueStudentsK">
      <xsd:selector
```

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```xml
xpath="tns:uniquePersonalData/tns:student/tns:studentId"/>
      <xsd:field xpath="."/>
    </xsd:key>
    <xsd:keyref
name="gradesFromCoursesWithPersonalData_lecturerKR"
refer="tns:gradesFromCoursesWithPersonalData_uniqueEmployee
sK">
      <xsd:selector
xpath="tns:gradeFromCourse/tns:courseInstance/tns:lecturerI
d"/>
      <xsd:field xpath="."/>
    </xsd:keyref>
  </xsd:element>
  <xsd:element name="sendTranscriptOfRecordsRequest">
    <xsd:annotation>
      <xsd:documentation>Send to partner institution list
of ToRs of students from partner institution. List contains
grades for courses from the home (host) course
catalog.</xsd:documentation>
    </xsd:annotation>
    <xsd:complexType>
      <xsd:sequence>
        <xsd:group
ref="tns:agreementAndCooperationConditionsContextG"/>
        <xsd:element ref="tns:partnerStudentId"/>
        <xsd:element
ref="tns:gradesFromCoursesWithPersonalData"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="sendTranscriptOfRecordsResponse"/>
  <xsd:element name="getTranscriptOfRecordsRequest">
    <xsd:annotation>
      <xsd:documentation>Get from partner (host)
institution list of ToRs of students from home institution.
List contains grades from the partner (host) course
catalog.</xsd:documentation>
    </xsd:annotation>
    <xsd:complexType>
      <xsd:sequence>
        <xsd:group
ref="tns:agreementAndCooperationConditionsContextG"/>
        <xsd:element ref="tns:homeStudentId"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="getTranscriptOfRecordsResponse">
```

```xml
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element
ref="tns:gradesFromCoursesWithPersonalData"/>
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>
    <xsd:element name="validateNationalPersonalIdRequest">
      <xsd:annotation>
        <xsd:documentation>Validate national personal
identifier.</xsd:documentation>
      </xsd:annotation>
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element name="nationalPersonalId"
type="tns:nationalPersonalIdT"/>
          <xsd:element minOccurs="0"
name="additionalValidationData">
            <xsd:annotation>
              <xsd:documentation>Additional data needed to
validate national identification number, e.g. Polish PESEL
needs to be validated against date of birth and
gender.</xsd:documentation>
            </xsd:annotation>
            <xsd:complexType>
              <xsd:sequence>
                <xsd:element maxOccurs="unbounded"
name="parameter">
                  <xsd:complexType>
                    <xsd:simpleContent>
                      <xsd:extension base="xsd:string">
                        <xsd:attribute name="name"
type="tns:nameT" use="required"/>
                      </xsd:extension>
                    </xsd:simpleContent>
                  </xsd:complexType>
                </xsd:element>
              </xsd:sequence>
            </xsd:complexType>
          </xsd:element>
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>
    <xsd:element name="validateNationalPersonalIdResponse">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element name="result">
```

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```xml
            <xsd:simpleType>
              <xsd:restriction base="xsd:int">
                <xsd:enumeration value="0">
                  <xsd:annotation>
                    <xsd:documentation>OK</xsd:documentation>
                  </xsd:annotation>
                </xsd:enumeration>
                <xsd:enumeration value="1">
                  <xsd:annotation>
                    <xsd:documentation>Invalid</xsd:documenta
tion>
                  </xsd:annotation>
                </xsd:enumeration>
                <xsd:enumeration value="2">
                  <xsd:annotation>
                    <xsd:documentation>Bad
request</xsd:documentation>
                  </xsd:annotation>
                </xsd:enumeration>
                <xsd:enumeration value="3">
                  <xsd:annotation>
                    <xsd:documentation>Id type not
supported</xsd:documentation>
                  </xsd:annotation>
                </xsd:enumeration>
              </xsd:restriction>
            </xsd:simpleType>
          </xsd:element>
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>
    <xsd:element name="error" type="tns:errorT"/>
</xsd:schema>
```

Generated using Liq

Schema Documentation

- All Items
    - academicPeriodSinceT (tns)
    - academicPeriodT (tns)
    - academicYearT (tns)
    - addressT (tns)
    - agreementAndCooperationConditionsContextG (tns)
    - agreementAndCooperationConditionsLimitedContextG (tns)
    - agreementData (tns)
    - agreementDataWithPersonalData (tns)
    - agreementId (tns)
    - agreementIdT (tns)
    - arrivalDate (tns)
    - contactHoursT (tns)
    - cooperationConditionsContextG (tns)
    - cooperationConditionsIdT (tns)
    - cooperationConditionsLimitedContextG (tns)
    - cooperationConditionsRedundantContextG (tns)
    - cooperationConditionsT (tns)
    - countryCodeOrIntT (tns)
    - countryCodeT (tns)
    - courseCodeT (tns)
    - courseDataT (tns)
    - courseInstancesWithPersonalData (tns)
    - courseInstanceT (tns)
    - departureDate (tns)
    - domainT (tns)
    - emailT (tns)
    - employeePersonalCharacteristicsT (tns)
    - error (tns)
    - errorT (tns)
    - genderT (tns)
    - getAgreementDataRequest (tns)
    - getAgreementDataResponse (tns)
    - getArrivalDateRequest (tns)
    - getArrivalDateResponse (tns)
    - getCourseDataRequest (tns)
    - getCourseDataResponse (tns)
    - getDepartureDateRequest (tns)
    - getDepartureDateResponse (tns)
    - getLearningAgreementRequest (tns)
    - getLearningAgreementResponse (tns)
    - getNominatedStudentsRequest (tns)
    - getNominatedStudentsResponse (tns)

- getOrganizationDataRequest (tns)
- getOrganizationDataResponse (tns)
- getTranscriptOfRecordsRequest (tns)
- getTranscriptOfRecordsResponse (tns)
- gradesFromCoursesWithPersonalData (tns)
- gradeT (tns)
- homeStudentId (tns)
- internationalizedStringT (tns)
- languageCodeT (tns)
- localAgreementIdT (tns)
- nameT (tns)
- nationalPersonalIdT (tns)
- nominatedStudentsWithPersonalData (tns)
- nonNegativeFloatT (tns)
- organizationalPersonalIdT (tns)
- organizationDataT (tns)
- organizationDataWithPersonalData (tns)
- organizationIdT (tns)
- organizationTypeT (tns)
- partnerStudentId (tns)
- personalCharacteristicsT (tns)
- personalPositionT (tns)
- positiveInt (tns)
- sendAgreementDataRequest (tns)
- sendAgreementDataResponse (tns)
- sendArrivalDateRequest (tns)
- sendArrivalDateResponse (tns)
- sendDepartureDateRequest (tns)
- sendDepartureDateResponse (tns)
- sendLearningAgreementRequest (tns)
- sendLearningAgreementResponse (tns)
- sendNominatedStudentsRequest (tns)
- sendNominatedStudentsResponse (tns)
- sendOrganizationDataRequest (tns)
- sendOrganizationDataResponse (tns)
- sendTranscriptOfRecordsRequest (tns)
- sendTranscriptOfRecordsResponse (tns)
- studentArrivalDate (tns)
- studentDepartureDate (tns)
- studentPersonalCharacteristicsT (tns)
- studyCreditsT (tns)
- studyLevelT (tns)
- subjectAreaCodeT (tns)
- uniquePersonalData (tns)
- validateNationalPersonalIdRequest (tns)
- validateNationalPersonalIdResponse (tns)

- Elements
  - agreementData (tns)
  - agreementDataWithPersonalData (tns)
  - agreementId (tns)
  - arrivalDate (tns)
  - courseInstancesWithPersonalData (tns)
  - departureDate (tns)
  - error (tns)
  - getAgreementDataRequest (tns)
  - getAgreementDataResponse (tns)
  - getArrivalDateRequest (tns)
  - getArrivalDateResponse (tns)
  - getCourseDataRequest (tns)
  - getCourseDataResponse (tns)
  - getDepartureDateRequest (tns)
  - getDepartureDateResponse (tns)
  - getLearningAgreementRequest (tns)
  - getLearningAgreementResponse (tns)
  - getNominatedStudentsRequest (tns)
  - getNominatedStudentsResponse (tns)
  - getOrganizationDataRequest (tns)
  - getOrganizationDataResponse (tns)
  - getTranscriptOfRecordsRequest (tns)
  - getTranscriptOfRecordsResponse (tns)
  - gradesFromCoursesWithPersonalData (tns)
  - homeStudentId (tns)
  - nominatedStudentsWithPersonalData (tns)
  - organizationDataWithPersonalData (tns)
  - partnerStudentId (tns)
  - sendAgreementDataRequest (tns)
  - sendAgreementDataResponse (tns)
  - sendArrivalDateRequest (tns)
  - sendArrivalDateResponse (tns)
  - sendDepartureDateRequest (tns)
  - sendDepartureDateResponse (tns)
  - sendLearningAgreementRequest (tns)
  - sendLearningAgreementResponse (tns)
  - sendNominatedStudentsRequest (tns)
  - sendNominatedStudentsResponse (tns)
  - sendOrganizationDataRequest (tns)
  - sendOrganizationDataResponse (tns)
  - sendTranscriptOfRecordsRequest (tns)
  - sendTranscriptOfRecordsResponse (tns)
  - studentArrivalDate (tns)
  - studentDepartureDate (tns)
  - uniquePersonalData (tns)

- o validateNationalPersonalIdRequest (tns)
- o validateNationalPersonalIdResponse (tns)
- Complex Types
  - o academicPeriodSinceT (tns)
  - o addressT (tns)
  - o agreementIdT (tns)
  - o cooperationConditionsT (tns)
  - o courseDataT (tns)
  - o courseInstanceT (tns)
  - o employeePersonalCharacteristicsT (tns)
  - o errorT (tns)
  - o gradeT (tns)
  - o internationalizedStringT (tns)
  - o localAgreementIdT (tns)
  - o organizationDataT (tns)
  - o organizationTypeT (tns)
  - o personalCharacteristicsT (tns)
  - o studentPersonalCharacteristicsT (tns)
  - o studyCreditsT (tns)
  - o subjectAreaCodeT (tns)
- Element Groups
  - o agreementAndCooperationConditionsContextG (tns)
  - o agreementAndCooperationConditionsLimitedContextG (tns)
  - o cooperationConditionsContextG (tns)
  - o cooperationConditionsLimitedContextG (tns)
  - o cooperationConditionsRedundantContextG (tns)
- Simple Types
  - o academicPeriodT (tns)
  - o academicYearT (tns)
  - o contactHoursT (tns)
  - o cooperationConditionsIdT (tns)
  - o countryCodeOrIntT (tns)
  - o countryCodeT (tns)
  - o courseCodeT (tns)
  - o domainT (tns)
  - o emailT (tns)
  - o genderT (tns)
  - o languageCodeT (tns)
  - o nameT (tns)
  - o nationalPersonalIdT (tns)
  - o nonNegativeFloatT (tns)
  - o organizationalPersonalIdT (tns)
  - o organizationIdT (tns)
  - o personalPositionT (tns)
  - o positiveInt (tns)
  - o studyLevelT (tns)

- Schemas
  - MobilitySchema.xsd (tns)