<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified"
  targetNamespace="http://www.gleif.org/data/schema/leidata/2016"
  xmlns:lei="http://www.gleif.org/data/schema/leidata/2016">
  <xs:import namespace="http://www.w3.org/XML/1998/namespace"
    schemaLocation="http://www.w3.org/2001/xml.xsd"/>
  <xs:annotation>
    <xs:documentation>
      <h1>LEI-CDF Version 2.1</h1> Documentation last updated: 2017-02-23
<h2>Introduction</h2> As
      the Global LEI System (GLEIS) High Level Principles stipulate, the
GLEIS should uniquely and
      unambiguously identify participants to financial transactions. The
ISO 17442 Legal Entity
      Identifier (LEI) standard defines the following set of attributes as
the most essential
      elements of identification:
        The official name of the legal entity as recorded in the
business registry, or with the
          fund manager for collective investment vehicles, or otherwise in
the entityâ□□s constituting
          documents.
        Where applicable, the name of the business registry in which
the entity was formed.
        The identifier of the entity in the business registry.
        The address of the headquarters of the legal entity or the
address of the fund
          manager.
        The address and the country of legal formation as represented
in ISO 3166.
        The date of the first LEI assignment.
        The date of last update of the LEI set of information.
        The date of expiry, where applicable.
        The reason for expiry, if applicable.
        For entities with a date of expiry, where applicable, the LEI
of the entity or entities
          that acquired the expired entity.
       The LEI Common Data File format (LEI-CDF) was proposed by the
Legal Entity Identifier
      Regulatory Oversight Committee (LEI ROC) as the additional standard
necessary to support the
      GLEIS in maintaining exclusive assignment of LEIs (one LEI per
entity) and identifying,
      remediating data quality issues, and supporting use of the data. It
is maintained and
      developed as a technical standard by the Global LEI Foundation
(GLEIF) with the collaboration
      and oversight of the LEI ROC. The LEI-CDF specifies in more detail:

        The semantic content (definitions) of the ISO 17442
attributes.
        Some additional elements, such an indication of the status of
the information, necessary
          for effective use of the data.
        The form the information takes at any given LOU, such that it
can be made to conform to
          a common standard.
       All LOUs use this file format to publish LEIs and their
reference data.<h2>Audience for

this document</h2> The target audience for this standard includes:

All Local Operating Units (as well as candidate LOUs) of the GLEIS.
All users or potential users of LEI data.
All financial regulators who consume LEI data.

<h2>Status of this document</h2> This section describes the status of this document at the
time of its publication. Later versions may supersede this document. The most up to date
version will always be available from www.gleif.org.

The file format references and
honors previous completed work published by the LEI ROC in a document entitled "LEI Data File
Format 1.0â□□ (19 June 2014; available from www.leiroc.org).
<h2>Terminology and Typographical Conventions</h2> The following typographical conventions are
used throughout the document:
ALL CAPS type is used for the special terms enumerated above.
<code>Monospace type</code> is used to denote programming language, UML, and XML
identifiers, as well as for the text of XML documents.

<h2>Cardinalities</h2>

The cardinality of each element (the number of times it MUST or MAY appear in an XML
data file conforming to this schema) is expressed as a number range in the format {minimum
occurrences, maximum occurrences} in the XML examples shown below the notes of its
containing element. This notation is equivalent to the following explanations in
words:

Mandatory, unique: <code>{1,1}</code> - the element MUST appear, exactly once.
Mandatory, repeatable: <code>{1,unbounded}</code> - the element MUST appear at least
once. It may be repeated any number of times.
Optional, unique: <code>{0,1}</code> - the element NEED NOT appear; it MAY appear once
at most.
Optional, repeatable: <code>{0,unbounded}</code> - the element NEED NOT appear. It MAY
be repeated any number of times.

 Please note:
The default cardinality is {1,1} (mandatory, unique). This document highlights when an
element differs from this either by its <code>minOccurs</code> (minimum occurrences) or
<code>maxOccurs</code> (maximum occurrences) value, or both.
XML cardinalities apply in the context of any containing elements. This means that a
contained element may have a cardinality of one or more even if its containing element may

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          be omitted, because the contained element is mandatory
<strong>given</strong> the presence
          of the container.</li>
        <li>XML cardinalities enforce a minimum data quality and standards
conformance. Other
          business rules (as explained below) and data quality checks
applied by GLEIF may encourage
          stricter cardinalities in live implementations.</li>
      </ul>
      <h2>Business Rules</h2> The accompanying documentation in addition to
this Technical
      Specification specifies business rules where applicable for each
element. These are rules that
      are not enforced by validating against the XML schema, but are still
mandatory for all Common
      Data File (CDF) format files. <br/><br/>
      <h2>XML Syntax</h2> This section specifies the XML schema for an LEI
data file conforming to
      this standard.<br/><br/>
      <h3>XML Design Rules</h3>
      <ul>
        <li>The XSD schema conforms to W3C's XML Schema specification,
version 1.0.</li>
        <li>The XML namespace is
"http://www.gleif.org/data/schema/leidata/2016".</li>
        <li>All interior XML elements are namespace-qualified (element form
= qualified).</li>
        <li>All XML attributes are in the null namespace (attribute form =
unqualified), with the
          exception of <code>xml:lang</code>.</li>
        <li>Element names are upper camel case.</li>
        <li>Attribute name are lower camel case.</li>
        <li>XSD type names are upper camel case.</li>
        <li>Enumeration code list values are all caps with
underscores.</li>
        <li>Elements are used in preference to attributes except for
language and type
          qualifiers.</li>
        <li>For a data element specified as having unbounded cardinality,
the XML includes a single
          container element whose subelements are one or more instances of
the data element whose
          cardinality is unbounded. The name of the container element is
formed as the plural of the
          name of the contained elements.</li>
      </ul>
      <h3>XML Schema</h3> An XML file conforming to this standard SHALL be
valid according to the
      following XSD 1.0 schema.<br/><br/>
      <h2>Release Notes</h2>
      <h3>Version 2.1</h3>
      <ul>
        <li>Cardinality changes:</li>
        <ul>
          <li><code>OtherValidationAuthority</code> was <code>{0,1}</code>
and is now
              <code>{1,1}</code>.</li>
        </ul>
      </ul>
      <ul>
        <li>Corrections / Bug fixes:</li>
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        <ul>
          <li>Missing <code>Extension</code> added (back) to
<code>LEIHeader</code>.</li>
        </ul>
        <li>New or changed elements:</li>
        <ul>
          <!--
          <li>Renamed <code>LEIHeader</code> to <code>Header</code> to
align with RR-CDF, RepEx
            etc.</li>
            -->
          <li>Additional <code>Extension</code> added to
<code>LEIRecords</code>.</li>
        </ul>
      </ul>
      <ul>
        <li>Documentation notes:</li>
        <ul>
          <li>Documentation notes:</li>
          <li>Replaced "RAL" by "RAL" in documentation.</li>
          <li>Replaced "Registration Authorities Code List" by
"Registration Authorities List" in
            documentation.</li>
        </ul>
      </ul>
      <h3>Version 2.0</h3>
      <ul>
        <li>Cardinality changes:</li>
        <ul>
          <li><code>LEIHeader</code> was <code>{0,1}</code> and is now
<code>{1,1}</code>.</li>
          <li><code>ContentDate</code> was <code>{0,1}</code> and is now
<code>{1,1}</code>.</li>
          <li><code>FileContent</code> was <code>{0,1}</code> and is now
<code>{1,1}</code>.</li>
          <li><code>RecordCount</code> was <code>{0,1}</code> and is now
<code>{1,1}</code>.</li>
        </ul>
        <li>New or changed elements:</li>
        <ul>
          <li>Added <code>OtherRegistrationAuthorityID</code> element to
capture interim free-text
            registration authority information in the process of transition
to a RAL entry.</li>
          <li>Added <code>OtherLegalForm</code> element to capture interim
free-text legal form
            information in the process of transition to an ELF standard
code.</li>
          <li>Added <code>TransliteratedOtherEntityNames</code> and
              <code>TransliteratedOtherAddresses</code>. These contain the
name and address types
            dealing with transliteration, and their character content is
now validated by the XML
            schema.</li>
          <li>Added <code>EntityCategory</code>.</li>
          <li>Added <code>ValidationAuthority</code>.</li>
          <li>Added <code>OtherValidationAuthorities</code>.</li>
          <li><code>BusinessRegisterEntityID</code> replaced by
            <code>RegistrationAuthority</code>.</li>
          <li><code>Token500Type</code> replaced by
<code>Tokenized500Type</code>, has minimum
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            length of one character and may not contain any of: the
carriage return (#xD), line feed
            (#xA) nor tab (#x9) characters, shall not begin or end with a
space (#x20) character, or
            a sequence of two or more adjacent space characters.</li>
          <li>All elements in the <code>lei:</code> namespace with base
datatype
              <code>xs:dateTime</code> now strictly validate according to
the
              <code>LEIDateTimeProfile</code> datatype. This enforces the
restrictions specified in
            the LEI-CDF V1.0 documentation.</li>
          <li>Added optional <code>AddressNumber</code>.</li>
          <li>Added optional <code>AddressNumberWithinBuilding</code>.</li>
          <li>Added optional <code>MailRouting</code> address field; an
optional free text address
            line to hold content from other address lines containing
explicit routing information
            (presence indicates that this address is a routing / "care of"
address).</li>
          <li>Replaced <code>Line1</code> by <code>FirstAddressLine</code>
and <code>Line2</code>
            etc. by <code>AdditionalAddressLine</code>. The order of the
content of these elements
            follows the order specified by the XML representation.</li>
          <li>The value of <code>RecordCount</code> can now only be equal
to or greater than
            zero.</li>
        </ul>
        <li>New or changed attributes:</li>
        <ul>
          <li>Updated <code>xml:lang</code> to specify use of the latest
RFC from IETF BCP 47
            (previously RFC 4646; now RFC 5646 at last schema update).</li>
        </ul>
        <li>New or changed enumerated values:</li>
        <ul>
          <li>Following enumerations now validate strongly (only the
specified values are allowed at
            a schema validation level; one element with a non-standard
value cause the whole LEI
            data to fail validation):</li>
          <ul>
            <li><code>FileContentEnum</code>.</li>
            <li><code>EntityStatusEnum</code>.</li>
            <li><code>EntityExpirationReasonEnum</code>.</li>
            <li><code>RegistrationStatusEnum</code>.</li>
            <li><code>EntityNameTypeEnum</code>.</li>
            <li><code>AddressTypeEnum</code>.</li>
            <li><code>AssociatedEntityTypeEnum</code>.</li>
            <li><code>ValidationSourcesEnum</code>.</li>
          </ul>
          <li>Following enumeration elements now validate by format (only
values with the correct
            pattern of characters are accepted; conversely, however, some
schema-valid character
            combinations may not be registered allowed values):</li>
          <ul>
            <li><code>RegistrationAuthority</code>.</li>
            <li><code>LegalForm</code>.</li>
          </ul>
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          <li><code>BusinessRegisterEnum</code> replaced by
            <code>RegistrationAuthorityEnum</code>.</li>
          <li><code>COU_DELTA_PUBLISHED</code> replaced by
<code>GLEIF_DELTA_PUBLISHED</code>.</li>
          <li><code>COU_FULL_PUBLISHED</code> replaced by
<code>GLEIF_FULL_PUBLISHED</code>.</li>
          <li><code>OTHER_LEGAL</code> replaced by
            <code>ALTERNATIVE_LANGUAGE_LEGAL_NAME</code>.</li>
          <li>Added <code>PREVIOUS_LEGAL_NAME</code>
            <code>OtherEntityName</code> type.</li>
          <li>Added <code>TRADING_OR_OPERATING_NAME</code>
            <code>OtherEntityName</code> type.</li>
          <li>Added <code>TransliteratedOtherEntityNames</code> types:
              <code>PREFERRED_ASCII_TRANSLITERATED_LEGAL_NAME</code>,
              <code>AUTO_ASCII_TRANSLITERATED_LEGAL_NAME</code>.</li>
          <li>Added <code>TransliteratedOtherAddress</code>
              types:<code>AUTO_ASCII_TRANSLITERATED_LEGAL_ADDRESS</code>,
              <code>AUTO_ASCII_TRANSLITERATED_HEADQUARTERS_ADDRESS</code>,
              <code>PREFERRED_ASCII_TRANSLITERATED_LEGAL_ADDRESS</code>,

<code>PREFERRED_ASCII_TRANSLITERATED_HEADQUARTERS_ADDRESS</code>.</li>
        </ul>
        <li>Documentation notes:</li>
        <ul>
          <li>Replaced "pre-LOU" by "LOU" in documentation.</li>
          <li>Renamed all enumeration elements, updating suffix "Enum1.0"
to "Enum", indicating that
            these are the definitive enumerated values.</li>
        </ul>
      </ul>
      <h3>Version 1.0</h3> The first release. Please find the published
specification of LEI-CDF
      V1.0 at https://www.gleif.org/content/2-about-lei/5-common-data-file-
format/lou-20140620.pdf
        <h2>Change Management</h2> Changes to this standard that affect the
data schema SHALL be
      made by approval and publication of a new version of this document. A
new version SHALL be one
      of the following:<br/><br/>
      <hr3>Errata Version</hr3> An errata version makes corrections to the
normative content of the
      standard (excluding corrections which would change the data schema)
and/or makes changes to
      non-normative content such as explanatory material. An errata version
does not change the XML
      schema definitions, only the documentation parts, and so does not
affect the interoperability
      of systems implementing the standard. An errata version is indicated
by incrementing the third
      version number; e.g., 1.0 to 1.0.1, or 1.0.1 to 1.0.2.<br/><br/>
      <h3>Minor Version</h3> A minor version may include all changes
permitted in an errata version,
      and in addition adds one or more data elements and/or adds one or
more codes to a code list
      (â□□enumâ□□ data type). A minor version changes the XML schema. Minor
version changes to schema
      MUST provide for forward and backward compatibility. This allows
existing implementations to
      continue to interoperate even if they are using different minor
versions. A minor version is
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indicated by incrementing the second version number; e.g., 1.0 to 1.1 or 1.1.3 to 1.2.

<h3>Major Version</h3> A major version may make any change at all, including incompatible
changes to the XML schema. Major version changes to schema require that the new version uses a
different XML namespace. This requires existing implementations to separately understand both
the old and new versions during a period of transition. A major version is indicated by
incrementing the first version number; e.g., 1.1 to 2.0.

 The release of a new minor
or major version shall always be accompanied by a transition plan for LOUs and GLEIF, to
ensure a smooth and time-bounded migration to the new version.

<h3>Minor Version Changes to the XML Schema</h3> A minor version may introduce new XML
elements and/or adds one or more codes to a code list (â□□enumâ□□ data type). Minor version
changes to schema SHALL be made as specified below, in order to achieve forward and backward
compatibility.

 Forward compatibility means that an LEI Data File which is valid
according to the older versionâ□□s schema is also valid according to the newer versionâ□□s
schema.

 Backward compatibility means that an LEI Data File which is valid according
to the newer versionâ□□s schema is also valid according to the older versionâ□□s schema.

New data elements may be added at pre-defined extension points within the schema, each with an
optional XML element NextVersion. New data elements are always added within a NextVersion
element. When a minor version adds a new data element to a <code>NextVersion</code> element, a
new <code>NextVersion</code> element is also added inside the previously added
<code>NextVersion</code> element, to accommodate additional data elements in subsequent
minor versions. Each successive NextVersion element set is contained directly within the
previous minor version's NextVersion set.

 As can be seen from the full XML schema
presented here, the following rules SHALL be observed to ensure forward and backward
compatibility:
The initial XSD declaration for a <code>NextVersion</code> element SHALL use the element
name "NextVersion", XML data type "lei:NextVersion1Type" and cardinality optional, unique
{0,1}. The XML data type allows a sequence of any elements, each of cardinality optional,
repeatable (unbounded) and with lax content processing, but in the target namespace.
The minOccurs declaration on the <code>NextVersion</code> element allows it to be
omitted in files conforming to the first minor version. The schema wildcard xsd:any allows
for forward compatibility: a file conforming to a new minor version still validates in the

old version because the wildcard matches any new elements introduced in the new minor
version.
New elements SHALL be introduced in a subsequent minor version by modifying the
declaration for the above type declaration as follows:
A sequence of the new elements introduced in the previous version.
A subsequent <code>NextVersionN</code> element where <code>N</code> is an index
number starting at 1 and incremented by 1 with each minor version.

Each new element SHALL be declared minOccurs=â□□0â□□, to ensure backward compatibility: a
file conforming to the old version still validates in the new version because the new
schema does not require the presence of elements not defined in the old version. If a
new element is mandatory for conformance to the new version, this MUST be enforced
outside schema validation.
The new definition of the <code>NextVersion</code> element SHALL include a declaration
of an inner <code>NextVersion</code> element, as illustrated above, to provide for
additional elements in subsequent minor versions. The nesting of
<code>NextVersion</code> elements is required to satisfy the â□□unique particle
attributionâ□□ constraint of XSDÂ 1.0.
Each code list (Enum types) is implemented in the XML schema simply as the XSD string
data type. This provides for forward compatibility because the schema for an older minor
version will validate any string, including codes defined in newer minor versions. The
schema for each minor version includes the list of valid codes for that minor version as
a documentation annotation to the type declaration for each Enum type.

<h3>Major Version Changes to the XML Schema</h3> A major version may make any change to the
XML schema whatsoever, including incompatible changes.

 A schema introduced in a new
major version SHALL use an XML namespace URI that is different from the XML namespace URI
defined in any other major version of this standard. The namespace URI for a new major version
SHOULD be the same as the namespace URI specified in this standard, with the year at the end
changed to the year in which the new major version is introduced. If more than one major
version is introduced in the same year, a letter â□□aâ□□, â□□bâ□□, â□□câ□□, etc., may be appended to the
year as needed.

 A new major version MUST be accompanied by an implementation plan
which explains how implementations will make the transition from the old major version to the

new major version. Generally speaking, such a plan typically provides for a period of
transition in which an implementation capable of receiving the new major version is required
to also receive the old major version.

<h2>Abstract Data Content</h2> This section specifies the abstract data content of a data file
conforming to this standard. A data file conforming to this standard SHALL consist of:
An LEIHeader.
Zero or more LEI Data Records.

<h3>LEI File Header</h3> The LEI File Header describes the context for the LEI Data Records
contained in the main body of the file. The header exists to answer such questions as where
the data came from, when it was collected into this file, etc. The content of the header SHALL
NOT be required to interpret the data content of any LEI Data Record; each LEI Data Record is
self contained. <h3>LEI Data Record</h3> An LEI Data Record describes a single LEI
registration. Each LEI Data record in a file conforming to this standard SHALL include data
elements as described below: <h4>LEI</h4> The ISO 17442-compliant LEI of the legal entity
described by this LEI Data Record. The LEI is assigned by the LOU.
A value of type
<code>LEIType</code> in a file conforming to this standard SHALL be a 20-character Legal
Entity Identifier conforming to ISO 17422. Conformance to ISO17442 includes having correct
check digits. <h4>Entity</h4> Attributes describing the legal entity itself. The
<code>Entity</code> data is supplied by the legal entity, and recorded and published by the
LOU. <h4>Registration</h4> Attributes describing the registration of this LEI with an LOU. The
<code>Registration</code> data is maintained by the LOU. <h4>Extension</h4> The optional
<code>Extension</code> section of an LEI record may be used to include additional data not
defined in this standard. This may include data specific to an LOU, data specific to a
publisher of LEI data, and so on.
 For example, an LOU may use <code>Extension</code> to
publish additional data elements it collects as part of registration.
 The following rules
MUST be observed:
Each XML element included in the content of the <code>Extension element</code> SHALL be
in an XML namespace that is not null and not equal to the XML namespace of the LEI Data
File as specified in this standard.
The XML namespace for an <code>Extension</code> element SHALL be a namespace which the
creator of the extension element exclusively or jointly controls, or from which the
creator re-uses existing elements and their definitions, e.g. a namespace derived from the

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          Internet Domain Name of the creator, a namespace agreed upon by a
group of trading
          partners, etc.</li>
        <li>An <code>Extension</code> element SHALL NOT be defined in such
a way as to require the
          recipient of the file to recognize the <code>Extension</code>
element in order to
          interpret the data elements specified in this standard. A
recipient of the file MUST be
          able to ignore all <code>Extension</code> elements and still
interpret the standard
          content correctly.</li>
        <li>A recipient of a data file conforming to this standard SHALL
NOT reject a file solely
          because it contains extensions not understood by the recipient. A
recipient MUST be
          prepared to accept a file containing extensions and ignore any it
does not understand,
          provided that the file complies to this standard.</li>
      </ul>
    </xs:documentation>
  </xs:annotation>
  <xs:element name="LEIData" type="lei:LEIData">
    <xs:annotation>
      <xs:documentation>Contains the file structure for the whole LEI data
records file as specified
        in the XML datatypes below.</xs:documentation>

    </xs:annotation>
  </xs:element>
  <xs:complexType name="LEIData">
    <xs:sequence>
      <xs:element name="LEIHeader" type="lei:LEIHeaderType">
        <xs:annotation>
          <xs:documentation>Contains the file upload information for this
LEI data
            file.</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="LEIRecords" type="lei:LEIRecordsType">
        <xs:annotation>
          <xs:documentation>Container for all of the <code>LEIRecord</code>
elements submitted with
            this file.</xs:documentation>

        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="LEIHeaderType">
    <xs:sequence>
      <xs:element name="ContentDate" type="lei:LEIDateTimeProfile">
        <xs:annotation>
          <xs:documentation>The date and time as of which the data
contained in the file is
            valid.</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="Originator" type="lei:LEIType" minOccurs="0">
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        <xs:annotation>
          <xs:documentation>The LEI of the entity that created the content
of this
            file.</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="FileContent" type="lei:FileContentEnum">
        <xs:annotation>
          <xs:documentation>A code describing the content of this LEI data
file.</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="DeltaStart" type="lei:LEIDateTimeProfile"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>The date and time of the baseline relative to
which this file contains
            new or changed LEI data records.</xs:documentation>
          <xs:documentation> </xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="RecordCount" type="xs:nonNegativeInteger">

        <xs:annotation>
          <xs:documentation>The number of LEI data records in the file. Can
be a positive whole
            (integer) number, or zero (0).</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="NextVersion" type="lei:HeaderNextVersionType"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>A structure for adding further elements in to
the LEI data file header
            in anticipation of a new version, by nesting a series of XML
elements with this content
            model within the <code>NextVersion</code> element, one for each
new minor version of the
            schema, postpending a serial number (1,2,3...) to the element
name upon each
            iteration.</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="Extension" type="lei:ExtensionType" minOccurs="0">
        <xs:annotation>
          <xs:documentation>This lei:Extension element may contain any
additional elements required
            to extend the LEIHeader.</xs:documentation>

        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="HeaderNextVersionType">
    <xs:sequence>
      <xs:any minOccurs="0" maxOccurs="unbounded" processContents="lax"
        namespace="##targetNamespace"/>
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    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="LEIRecordsType">
    <xs:sequence>
      <xs:element name="LEIRecord" type="lei:LEIRecordType" minOccurs="0"
maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>Contains all LEI reference data including
details of the LEI's
            registration with the
<code>ManagingLOU</code>.</xs:documentation>
        </xs:annotation>
      </xs:element>

      <xs:element name="Extension" type="lei:ExtensionType" minOccurs="0">
        <xs:annotation>
          <xs:documentation>This lei:Extension element may contain any
additional elements required
            to extend the LEIRecords container.</xs:documentation>

        </xs:annotation>
      </xs:element>

    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="LEIRecordType">
    <xs:sequence>
      <xs:element name="LEI" type="lei:LEIType">
        <xs:annotation>
          <xs:documentation>The ISO 17442 compatible identifier for the
legal entity described in
            the <code>Entity</code> section.</xs:documentation>


        </xs:annotation>
      </xs:element>
      <xs:element name="Entity" type="lei:EntityType">
        <xs:annotation>
          <xs:documentation>The Entity container element contains the legal
entity's reference data,
            enabling identification.</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="Registration" type="lei:RegistrationType">
        <xs:annotation>
          <xs:documentation>The <code>Registration</code> container element
contains all information
            on the legal entity's LEI registration with the
            <code>ManagingLOU</code>.</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="NextVersion" type="lei:LEIRecordNextVersionType"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>A structure for adding further elements in to
the LEI Data Record in
            anticipation of a new version, by nesting a series of XML
elements with this content
```

```
            model within the <code>NextVersion</code> element, one for each
new minor version of the
            schema, postpending a serial number (1,2,3...) to the element
name upon each
            iteration.</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="Extension" type="lei:ExtensionType" minOccurs="0">
        <xs:annotation>
          <xs:documentation>This lei:Extension element may contain any
additional elements required
            to extend the LEIRecord.</xs:documentation>

        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="LEIRecordNextVersionType">
    <xs:sequence>
      <xs:any minOccurs="0" maxOccurs="unbounded" processContents="lax"
        namespace="##targetNamespace"/>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="EntityType">
    <xs:sequence>
      <xs:element name="LegalName" type="lei:NameType">
        <xs:annotation>
          <xs:documentation>The legal name of the entity.
</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="OtherEntityNames" type="lei:OtherEntityNamesType"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>An optional list of other names (excluding
transliterations) for the
            legal entity.</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="TransliteratedOtherEntityNames"
        type="lei:TransliteratedOtherEntityNamesType" minOccurs="0">
        <xs:annotation>
          <xs:documentation>An optional list of ASCII-transliterated (i.e.
Latin- or Romanized)
            representations of names for the legal
entity.</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="LegalAddress" type="lei:AddressType">
        <xs:annotation>
          <xs:documentation>The address of the entity as recorded in the
registration of the entity
            in its legal jurisdiction.</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="HeadquartersAddress" type="lei:AddressType">
        <xs:annotation>
```

```
          <xs:documentation>The address of the headquarters of the
Entity.</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="OtherAddresses" type="lei:OtherAddressesType"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>An optional list of other addresses for the
legal entity, excluding
            transliterations.</xs:documentation>

        </xs:annotation>
      </xs:element>

      <xs:element name="TransliteratedOtherAddresses"
type="lei:TransliteratedOtherAddressesType"
        minOccurs="0">
        <xs:annotation>
          <xs:documentation>An optional list of transliterated addresses
for the legal
            entity.</xs:documentation>
          <xs:documentation> </xs:documentation>
        </xs:annotation>
      </xs:element>

      <xs:element name="RegistrationAuthority"
type="lei:RegistrationAuthorityType" minOccurs="0">
        <xs:annotation>
          <xs:documentation>An identifier for the legal entity in a
business registry in the
            jurisdiction of legal registration, or in the appropriate
registration
            authority.</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="LegalJurisdiction" type="lei:JurisdictionCodeType"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>The jurisdiction of legal formation and
registration of the entity (and
            upon which the <code>LegalForm</code> data element is also
dependent). Please note that
            the XML schema validates the format of
<code>LegalJurisdiction</code> codes but not the
            specific codes conforming to the ISO standards it
reequires.</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="EntityCategory" type="lei:EntityCategoryTypeEnum"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>Indicates (where applicable) the category of
entity identified by this
            LEI data record, as a more specific category within the broad
definition given in ISO
            17442. These categories are based on use cases specified in
LEI-ROC policies, found at
```

```
http://www.leiroc.org/list/leiroc_gls/index.htm</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="LegalForm" type="lei:LegalFormType" minOccurs="0">
        <xs:annotation>
          <xs:documentation>The legal form of the entity, taken from the
ISO Entity Legal Form (ELF)
            code list maintained by GLEIF. Please note that the XML schema
validates the format of
              <code>LegalForm</code> codes but not the specific codes
conforming to the ISO standard
            it reequires.<br/>
          </xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="AssociatedEntity" type="lei:AssociatedEntityType"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>Another entity associated with this entity if
needed to fully identify
            this entity or to place it in an appropriate context.
</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="EntityStatus" type="lei:EntityStatusEnum">
        <xs:annotation>
          <xs:documentation>The operational and/or legal registration
status of the entity (may be
              <code>ACTIVE</code> or <code>INACTIVE</code>).
</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="EntityExpirationDate" type="lei:LEIDateTimeProfile"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>The date that the legal entity ceased to
operate, whether due to
            dissolution, merger or acquisition.</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="EntityExpirationReason"
type="lei:EntityExpirationReasonEnum" minOccurs="0">
        <xs:annotation>
          <xs:documentation>The reason that a legal entity ceased to exist
and/or
            operate.</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="SuccessorEntity" type="lei:SuccessorEntityType"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>The surviving/new legal entity which
continues/replaces this
            registration.</xs:documentation>

        </xs:annotation>
      </xs:element>
```

```
      <xs:element name="NextVersion" type="lei:EntityNextVersionType"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>A structure for adding further elements in to
the <code>Entity</code>
            section of the LEI data record in anticipation of a new
version, by nesting a series of
            XML elements with this content model within the
<code>NextVersion</code> element, one
            for each new minor version of the schema, postpending a serial
number (1,2,3...) to the
            element name upon each iteration.</xs:documentation>

        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="EntityNextVersionType">
    <xs:sequence>
      <xs:any minOccurs="0" maxOccurs="unbounded" processContents="lax"
        namespace="##targetNamespace"/>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="RegistrationType">
    <xs:sequence>
      <xs:element name="InitialRegistrationDate"
type="lei:LEIDateTimeProfile">
        <xs:annotation>
          <xs:documentation>Date/time the LEI record was created.
</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="LastUpdateDate" type="lei:LEIDateTimeProfile">
        <xs:annotation>
          <xs:documentation>Date/time the LEI record was most recently
updated.</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="RegistrationStatus"
type="lei:RegistrationStatusEnum">
        <xs:annotation>
          <xs:documentation>The status of the legal entity's LEI
registration with the
            <code>ManagingLOU</code>.</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="NextRenewalDate" type="lei:LEIDateTimeProfile">
        <xs:annotation>
          <xs:documentation>The next date by which the LEI registration
should be renewed and
            re-certified by the legal entity.</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="ManagingLOU" type="lei:LEIType">
        <xs:annotation>
          <xs:documentation>The LEI of the LOU that is responsible for
administering this LEI
            registration.</xs:documentation>
```

```
        </xs:annotation>
      </xs:element>
      <xs:element name="ValidationSources" type="lei:ValidationSourcesEnum"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>The level of validation of the reference data
provided by the
            registrant.</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="ValidationAuthority"
type="lei:ValidationAuthorityType" minOccurs="0">
        <xs:annotation>
          <xs:documentation>The (primary) registration authority used by
the LOU to validate the
            entity data.</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="OtherValidationAuthorities"
type="lei:OtherValidationAuthoritiesType"
        minOccurs="0">
        <xs:annotation>
          <xs:documentation>An optional list of additional registration
authorities used by the LEI
            Issuer to validate the entity data.</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="NextVersion" type="lei:RegistrationNextVersionType"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>A structure for adding further elements in to
the
            <code>Registration</code> section of the LEI Data Record in
anticipation of a new
            version, by nesting a series of XML elements with this content
model within the
            <code>NextVersion</code> element, one for each new minor
version of the schema,
            postpending a serial number (1,2,3...) to the element name upon
each
            iteration.</xs:documentation>

        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="RegistrationNextVersionType">
    <xs:sequence>
      <xs:any minOccurs="0" maxOccurs="unbounded" processContents="lax"
        namespace="##targetNamespace"/>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="ExtensionType">
    <xs:sequence>
      <xs:any minOccurs="0" maxOccurs="unbounded" processContents="lax"
namespace="##other"/>
    </xs:sequence>
```

```
  </xs:complexType>
  <xs:complexType name="AddressType">
    <xs:sequence>
      <xs:element name="FirstAddressLine" type="lei:Tokenized500Type">
        <xs:annotation>
          <xs:documentation>The mandatory first address line element.
</xs:documentation>
        </xs:annotation>
      </xs:element>
      <!-- Optional, additional structured parts of Address Lines-->
      <xs:element name="AddressNumber" type="lei:Tokenized500Type"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>Optional, additional structured version of an
external house number, or
            range of numbers, contained in one of the address line
elements. This could be a
            numeral, a letter or code made up of mixed characters (e.g.
221B).<br/>
          </xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="AddressNumberWithinBuilding"
type="lei:Tokenized500Type" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Optional, additional structured version of an
internal location number,
            or range of numbers, contained in one of the address line
elements.This could be a
            numeral, a letter or code made up of mixed characters (e.g. 13)
of a floor, suite or
            apartment within a building identified e.g. by an
<code>AddressNumber</code>
            element.<br/>
          </xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="MailRouting" type="lei:Tokenized500Type"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>Optional free text address line to hold content
from other address lines
            containing explicit routing information (this element's
presence indicates that this
            address is a routing / "care of" address. </xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="AdditionalAddressLine" type="lei:Tokenized500Type"
minOccurs="0"
        maxOccurs="3">
        <xs:annotation>
          <xs:documentation>One to three optional additional address line
            elements.</xs:documentation>

        </xs:annotation>
      </xs:element>


      <xs:element name="City" type="lei:Tokenized500Type">
        <xs:annotation>
```

```
          <xs:documentation>The mandatory name of the city.
</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="Region" type="lei:RegionCodeType" minOccurs="0">
        <xs:annotation>
          <xs:documentation>The (optional) 4- to 6-character ISO 3166-2
region code of the
            region.</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="Country" type="lei:CountryCodeType">
        <xs:annotation>
          <xs:documentation>The 2-character ISO 3166-1 country code of the
            country.</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="PostalCode" type="lei:Tokenized500Type"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>The (optional) postal code of this address as
specified by the local
            postal service.</xs:documentation>

        </xs:annotation>
      </xs:element>
    </xs:sequence>
    <xs:attribute ref="xml:lang" use="optional">
      <xs:annotation>
        <xs:documentation>The language in which all of the string- valued
components of this address
          are expressed.An IETF Language Code conforming to the latest RFC
from IETF BCP 47. Note
          that the first characters of an IETF Language Code, up to the
hyphen (if any), are all
          lowercase, and those following the hyphen (if any) are all
uppercase.</xs:documentation>
      </xs:annotation>
    </xs:attribute>
  </xs:complexType>

  <xs:complexType name="TransliteratedAddressType">
    <xs:sequence>
      <xs:element name="FirstAddressLine"
type="lei:TransliteratedStringType">
        <xs:annotation>
          <xs:documentation>The mandatory first address line element.
</xs:documentation>
        </xs:annotation>
      </xs:element>
      <!-- Optional, additional structured parts of Address Lines-->
      <xs:element name="AddressNumber" type="lei:TransliteratedStringType"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>Optional, additional structured version of an
external house number, or
            range of numbers, contained in one of the address line
elements.</xs:documentation>
```

```
        </xs:annotation>
      </xs:element>
      <xs:element name="AddressNumberWithinBuilding"
type="lei:TransliteratedStringType"
        minOccurs="0">
        <xs:annotation>
          <xs:documentation>Optional, additional structured version of an
internal location number,
            or range of numbers, contained in one of the address line
elements.</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="MailRouting" type="lei:TransliteratedStringType"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>Optional free text address line to hold content
from other address lines
            containing explicit routing information (this element's
presence indicates that this
            address is a routing / "care of" address. </xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="AdditionalAddressLine"
type="lei:TransliteratedStringType" minOccurs="0"
        maxOccurs="3">
        <xs:annotation>
          <xs:documentation>Optional additional address line
elements.</xs:documentation>

        </xs:annotation>
      </xs:element>


      <xs:element name="City" type="lei:TransliteratedStringType">
        <xs:annotation>
          <xs:documentation>The mandatory name of the city.
</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="Region" type="lei:RegionCodeType" minOccurs="0">
        <xs:annotation>
          <xs:documentation>The (optional) 4- to 6-character ISO 3166-2
region code of the
            region.</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="Country" type="lei:CountryCodeType">
        <xs:annotation>
          <xs:documentation>The 2-character ISO 3166-1 country code of the
            country.</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="PostalCode" type="lei:TransliteratedStringType"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>The (optional) postal code of this address as
specified by the local
            postal service.</xs:documentation>
```

```
        </xs:annotation>
      </xs:element>
    </xs:sequence>
    <xs:attribute ref="xml:lang" use="optional">
      <xs:annotation>
        <xs:documentation>The language in which all of the string- valued
components of this address
          are expressed.An IETF Language Code conforming to the latest RFC
from IETF BCP 47. Note
          that the first characters of an IETF Language Code, up to the
hyphen (if any), are all
          lowercase, and those following the hyphen (if any) are all
uppercase.</xs:documentation>
      </xs:annotation>
    </xs:attribute>
  </xs:complexType>

  <xs:complexType name="AssociatedEntityType">
    <xs:choice>
      <xs:element name="AssociatedLEI" type="lei:LEIType">
        <xs:annotation>
          <xs:documentation>The LEI of an entity associated with the LEI of
this
            registration.</xs:documentation>

        </xs:annotation>
      </xs:element>
      <xs:element name="AssociatedEntityName" type="lei:NameType">
        <xs:annotation>
          <xs:documentation>The name of an entity associated with the LEI
of this
            registration.</xs:documentation>

        </xs:annotation>
      </xs:element>
    </xs:choice>
    <xs:attribute name="type" type="lei:AssociatedEntityTypeEnum"
use="required">
      <xs:annotation>
        <xs:documentation>The type of association represented by this
AssociatedEntity instance. </xs:documentation>

      </xs:annotation>
    </xs:attribute>
  </xs:complexType>
  <xs:complexType name="RegistrationAuthorityType">
    <xs:sequence>
      <xs:element name="RegistrationAuthorityID"
type="lei:RegistrationAuthorityEnum">
        <xs:annotation>
          <xs:documentation>The reference code of the registration
authority, taken from the
            Registration Authorities Code List maintained by GLEIF.
</xs:documentation>
        </xs:annotation>
      </xs:element>

      <xs:element name="OtherRegistrationAuthorityID"
type="lei:Tokenized500Type" minOccurs="0">
        <xs:annotation>
```

```
          <xs:documentation>A legacy / historical reference code of a
registration authority which
            is not yet entered in the Registration Authorities Code List
(RAL) maintained by GLEIF,
            or the designation of an interim register until such time as an
entry from RAL can be
            delivered. </xs:documentation>
        </xs:annotation>
      </xs:element>

      <xs:element name="RegistrationAuthorityEntityID"
type="lei:Tokenized500Type" minOccurs="0">
        <xs:annotation>
          <xs:documentation>The identifier of the entity at the indicated
registration authority.
            Typically, the identifier of the legal entity as maintained by
a business registry in
            the jurisdiction of legal registration, or if the entity is one
that is not recorded in
            a business registry (e.g. one of the varieties of funds
registered instead with
            financial regulators), the identifier of the entity in the
appropriate registration
            authority.</xs:documentation>

        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="OtherValidationAuthoritiesType">
    <xs:sequence>
      <xs:element name="OtherValidationAuthority"
type="lei:ValidationAuthorityType" minOccurs="1"
        maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>An additional registration authority used by
the LOU to validate the
            entity data.</xs:documentation>

        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="ValidationAuthorityType">
    <xs:sequence>
      <xs:element name="ValidationAuthorityID"
type="lei:RegistrationAuthorityEnum">
        <xs:annotation>
          <xs:documentation>The reference code of the registration
authority, taken from the
            Registration Authorities Code List (RAL) maintained by GLEIF.
</xs:documentation>
        </xs:annotation>
      </xs:element>

      <xs:element name="OtherValidationAuthorityID"
type="lei:Tokenized500Type" minOccurs="0">
        <xs:annotation>
          <xs:documentation>A legacy / historical reference code of a
registration authority which
```

```
            is not yet entered in the Registration Authorities Code List
(RAL) maintained by GLEIF,
            or the designation of an interim register until such time as an
entry from RAL can be
            delivered. </xs:documentation>
        </xs:annotation>
      </xs:element>

      <xs:element name="ValidationAuthorityEntityID"
type="lei:Tokenized500Type" minOccurs="0">
        <xs:annotation>
          <xs:documentation>The identifier of the entity at the indicated
registration authority.
            Typically, the identifier of the legal entity as maintained by
a business registry in
            the jurisdiction of legal registration, or if the entity is one
that is not recorded in
            a business registry (e.g. one of the varieties of funds
registered instead with
            financial regulators), the identifier of the entity in the
appropriate registration
            authority.</xs:documentation>

        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
  <xs:simpleType name="JurisdictionCodeType">
    <xs:union memberTypes="lei:CountryCodeType lei:RegionCodeType"/>
  </xs:simpleType>
  <xs:complexType name="OtherAddressType">
    <xs:complexContent>
      <xs:extension base="lei:AddressType">
        <xs:attribute name="type" type="lei:AddressTypeEnum"
use="required">
          <xs:annotation>
            <xs:documentation>The type of address represented by this
<code>OtherAddress</code>
              instance.</xs:documentation>

          </xs:annotation>
        </xs:attribute>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:complexType name="OtherAddressesType">
    <xs:sequence>
      <xs:element name="OtherAddress" type="lei:OtherAddressType"
maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>An alternative address for the legal entity
excluding transliterations.
          </xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>

  <xs:complexType name="TransliteratedOtherAddressesType">
    <xs:sequence>
```

```
      <xs:element name="TransliteratedOtherAddress"
type="lei:TransliteratedOtherAddressType"
        maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>A transliterated version of one of the
addresses for the legal entity.
          </xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>

  <xs:complexType name="TransliteratedOtherAddressType">
    <xs:complexContent>
      <xs:extension base="lei:TransliteratedAddressType">
        <xs:attribute name="type" type="lei:TransliteratedAddressTypeEnum"
use="required">
          <xs:annotation>
            <xs:documentation>Type of alternative name for the legal
entity.</xs:documentation>
          </xs:annotation>
        </xs:attribute>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>

  <xs:complexType name="OtherEntityNamesType">
    <xs:sequence>
      <xs:element name="OtherEntityName" type="lei:OtherEntityNameType"
maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>An alternative name or representation of a name
for the legal entity,
            excluding transliterations.</xs:documentation>

        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>

  <xs:complexType name="TransliteratedOtherEntityNamesType">
    <xs:sequence>
      <xs:element name="TransliteratedOtherEntityName"
type="lei:TransliteratedOtherEntityNameType"
        maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>

  <xs:complexType name="OtherEntityNameType">
    <xs:complexContent>
      <xs:extension base="lei:NameType">
        <xs:attribute name="type" type="lei:EntityNameTypeEnum"
use="required">
          <xs:annotation>
            <xs:documentation>Type of alternative name for the legal
entity.</xs:documentation>

          </xs:annotation>
        </xs:attribute>
      </xs:extension>
    </xs:complexContent>
```

```
  </xs:complexType>

  <xs:complexType name="SuccessorEntityType">
    <xs:choice>
      <xs:element name="SuccessorLEI" type="lei:LEIType">
        <xs:annotation>
          <xs:documentation>The LEI of the successor entity.
</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="SuccessorEntityName" type="lei:NameType">
        <xs:annotation>
          <xs:documentation>The name of the successor entity.
</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:choice>
  </xs:complexType>
  <xs:simpleType name="CountryCodeType">
    <xs:annotation>
      <xs:documentation>A 2-character country code conforming to ISO 3166-1
alpha-2. Please note
        that the XML schema validates for all <code>CountryCode</code>
values consisting of 2
        upper-case Latin letters; some possible combinations may not be
valid ISO 3166 entries. A
        current code from the ISO-approved list must be used used. See
        http://www.iso.org/iso/home/standards/country_codes.htm for more
details.
      </xs:documentation>
    </xs:annotation>
    <xs:restriction base="xs:string">
      <xs:minLength value="2"/>
      <xs:maxLength value="2"/>
      <xs:pattern value="([A-Z]{2})"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="RegionCodeType">
    <xs:annotation>
      <xs:documentation>A 4- to 6-character ISO 3166-2 region code of the
region. Please note that
        the XML schema validates for all <code>CountryCode</code> values
consisting of 2 upper-case
        Latin letters; some possible combinations may not be valid ISO 3166
entries.
      </xs:documentation>
    </xs:annotation>
    <xs:restriction base="xs:string">
      <xs:minLength value="4"/>
      <xs:maxLength value="6"/>
      <xs:pattern value="([A-Z]{2}-[A-Z0-9]{1,3})"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="LEIType">
    <xs:restriction base="xs:string">
      <xs:minLength value="20"/>
      <xs:maxLength value="20"/>
      <xs:pattern value="([0-9A-Z]{18}[0-9]{2})"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="Tokenized500Type">
```

```
    <xs:annotation>
      <xs:documentation>An element of this type has minimum length of one
character and may not
        contain any of: the carriage return (#xD), line feed (#xA) nor tab
(#x9) characters, shall
        not begin or end with a space (#x20) character, or a sequence of
two or more adjacent space
        characters.</xs:documentation>
    </xs:annotation>
    <xs:restriction base="xs:string">
      <xs:maxLength value="500"/>
      <xs:minLength value="1"/>
      <xs:pattern value="\S+( \S+)*"/>

    </xs:restriction>
  </xs:simpleType>
  <!--
    WARNING:
     All enumeration types now accept only the specified values as valid at
the schema level.

     To propose a change or addition to any enumeration in the LEI-CDF
please contact leidata@gleif.org and your request will be considered
subject to change management.
  -->
  <xs:simpleType name="FileContentEnum">
    <xs:restriction base="xs:string">
      <!-- Enumeration values for LEI-CDF 2.0: -->
      <xs:enumeration value="LOU_FULL_PUBLISHED">
        <xs:annotation>
          <xs:documentation>The file contains all LEI Data Records
published by an LOU (all LEI Data
            Records for which the LOU is the <code>ManagingLOU</code>) as
of the date/time the file
            is created. </xs:documentation>

        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="LOU_DELTA_PUBLISHED">
        <xs:annotation>
          <xs:documentation>The file contains those LEI Data Records
published by an LOU (all LEI
            Data Records for which the LOU is the <code>ManagingLOU</code>)
which are new or changed
            since the <code>DeltaStart</code> date specified in the header,
as of the date/time the
            file is created.</xs:documentation>

        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="GLEIF_FULL_PUBLISHED">
        <xs:annotation>
          <xs:documentation>The file contains all LEI Data Records
published by GLEIF (including all
            LEI Data Records from all LOUs) as of the date/time the file is
created.
          </xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="GLEIF_DELTA_PUBLISHED">
        <xs:annotation>
```

```
          <xs:documentation>The file contains those LEI Data Records
published by GLEIF (including
            all LEI Data Records from all LOUs) which are new or changed
since the
              <code>DeltaStart</code> specified in the header, as of the
date/time the file is
            created.</xs:documentation>

        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="QUERY_RESPONSE">
        <xs:annotation>
          <xs:documentation>The file contains records matching criteria
specified in a query.
          </xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="RegistrationAuthorityEnum">
    <xs:restriction base="xs:string">
      <xs:annotation>
        <xs:documentation>Please note that the XML schema validates for all
            <code>RegistrationAuthority</code> values consisting of the
upper-case Latin letters
          "RA" followed by 6 digits; some possible combinations may not be
valid Registration
          Authority Code List (RAL) entries. A current code from the GLEIF-
maintained list MUST be
          used used. Values of the <code>RegistrationAuthorityEnum</code>
code list are maintained
          by GLEIF through the Registration Authorities Code List (RAL),
available at
          www.gleif.org.</xs:documentation>
      </xs:annotation>
      <xs:pattern value="RA\d{6}"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="EntityCategoryTypeEnum">
    <xs:restriction base="xs:token">
      <xs:enumeration value="BRANCH">
        <xs:annotation>
          <xs:documentation>The legal entity is a branch of another legal
entity.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="FUND">
        <xs:annotation>
          <xs:documentation>The legal entity is a fund managed by another
legal
            entity.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="SOLE_PROPRIETOR">
        <xs:annotation>
          <xs:documentation>The legal entity is an individual acting in a
business
            capacity.</xs:documentation>

        </xs:annotation>
      </xs:enumeration>
```

```
    </xs:restriction>
  </xs:simpleType>

  <xs:complexType name="LegalFormType">
    <xs:sequence>

      <xs:element name="EntityLegalFormCode" type="lei:LegalFormEnum">
        <xs:annotation>
          <xs:documentation>A current code from the GLEIF-maintained list
MUST be used. Values of
            the LegalFormEnum code list are maintained by ISO / GLEIF
through the Entity Legal Form
            (ELF), available from http://www.gleif.org.</xs:documentation>
        </xs:annotation>
      </xs:element>

      <xs:element name="OtherLegalForm" type="lei:Tokenized500Type"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>A legacy code or textual description for the
legal entity's legal form,
            used until a current code from the GLEIF-maintained list can be
used.</xs:documentation>

        </xs:annotation>
      </xs:element>

    </xs:sequence>
  </xs:complexType>

  <xs:simpleType name="LegalFormEnum">
    <xs:annotation>
      <xs:documentation>Please note that the XML schema validates for all
<code>LegalForm</code>
        values conforming to the ISO 20275 standard (section "Code
Structure"); four uppercase
        alphanumeric characters in any combination except for purely
numeric codes. Some possible
        combinations may not be valid Entity Legal Form (ELF) entries.
</xs:documentation>
    </xs:annotation>
    <xs:restriction base="xs:string">
      <xs:pattern
        value="([A-Z][A-Z0-9]{3}|[A-Z0-9][A-Z][A-Z0-9]{2}|[A-Z0-9]{2}[A-
Z][A-Z0-9]|[A-Z0-9]{3}[A-Z])"/>
      <xs:pattern value="9999"/>
      <xs:pattern value="8888"/>
    </xs:restriction>
  </xs:simpleType>

  <xs:simpleType name="EntityNameTypeEnum">
    <xs:restriction base="xs:string">
      <!-- Enumeration values for LEI-CDF 2.0: -->
      <xs:enumeration value="ALTERNATIVE_LANGUAGE_LEGAL_NAME">
        <xs:annotation>
          <xs:documentation>Registered name of the entity in an alternative
language in the legal
            jurisdiction in which the entity is
registered.</xs:documentation>

        </xs:annotation>
```

```
      </xs:enumeration>
      <xs:enumeration value="PREVIOUS_LEGAL_NAME">
        <xs:annotation>
          <xs:documentation>A primary legal name previously used by this
entity.</xs:documentation>

        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="TRADING_OR_OPERATING_NAME">
        <xs:annotation>
          <xs:documentation>A "trading as", "brand name" or "operating
under" name currently used by
            this entity in addition to, but not replacing, the (primary)
legal, official registered
            name.</xs:documentation>

        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="AddressTypeEnum">
    <xs:restriction base="xs:string">
      <!-- Enumeration values for LEI-CDF 2.0: -->
      <xs:enumeration value="ALTERNATIVE_LANGUAGE_LEGAL_ADDRESS">
        <xs:annotation>
          <xs:documentation>Registered address of the entity in the legal
jurisdiction, in an
            alternative language used in the legal
jurisdiction.</xs:documentation>

        </xs:annotation>
      </xs:enumeration>

      <xs:enumeration value="ALTERNATIVE_LANGUAGE_HEADQUARTERS_ADDRESS">
        <xs:annotation>
          <xs:documentation>Address of the headquarters of the entity, in
an alternative language
            used in the legal jurisdiction.</xs:documentation>

        </xs:annotation>
      </xs:enumeration>

    </xs:restriction>
  </xs:simpleType>

  <xs:simpleType name="TransliteratedAddressTypeEnum">
    <xs:restriction base="xs:string">
      <!-- Enumeration values for LEI-CDF 2.0: -->

      <xs:enumeration value="AUTO_ASCII_TRANSLITERATED_LEGAL_ADDRESS">
        <xs:annotation>
          <xs:documentation>Registered address of the entity in the legal
jurisdiction,
            transliterated to ASCII characters, auto-transliterated by the
managing
            LOU.</xs:documentation>

        </xs:annotation>
      </xs:enumeration>
```

```
      <xs:enumeration
value="AUTO_ASCII_TRANSLITERATED_HEADQUARTERS_ADDRESS">
        <xs:annotation>
          <xs:documentation>Address of the headquarters of the entity,
transliterated to ASCII
            characters, auto-transliterated by the managing
LOU.</xs:documentation>

        </xs:annotation>
      </xs:enumeration>

      <xs:enumeration value="PREFERRED_ASCII_TRANSLITERATED_LEGAL_ADDRESS">
        <xs:annotation>
          <xs:documentation>Registered address of the entity in the legal
jurisdiction,
            transliterated to ASCII characters, provided by the entity for
this
            purpose.</xs:documentation>

        </xs:annotation>
      </xs:enumeration>

      <xs:enumeration
value="PREFERRED_ASCII_TRANSLITERATED_HEADQUARTERS_ADDRESS">
        <xs:annotation>
          <xs:documentation>Address of the headquarters of the entity,
transliterated to ASCII
            characters, provided by the entity for this
purpose.</xs:documentation>

        </xs:annotation>
      </xs:enumeration>

    </xs:restriction>
  </xs:simpleType>



  <xs:simpleType name="AssociatedEntityTypeEnum">
    <xs:restriction base="xs:string">
      <!-- Enumeration values for LEI-CDF 2.0: -->
      <xs:enumeration value="FUND_FAMILY">
        <xs:annotation>
          <xs:documentation>The legal entity is a fund, and the associated
entity is the manager of
            the fund. </xs:documentation>

        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="EntityStatusEnum">
    <xs:restriction base="xs:string">
      <!-- Enumeration values for LEI-CDF 2.0: -->
      <xs:enumeration value="ACTIVE">
        <xs:annotation>
          <xs:documentation>As of the last report or update, the legal
entity reported that it was
            legally registered and operating. </xs:documentation>

        </xs:annotation>
```

```
      </xs:enumeration>
      <xs:enumeration value="INACTIVE">
        <xs:annotation>
          <xs:documentation>It has been determined that the entity that was
assigned the LEI is no
            longer legally registered and/or operating, whether as a result
of business closure,
            acquisition by or merger with another (or new) entity, or
determination of illegitimacy. </xs:documentation>

        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="EntityExpirationReasonEnum">
    <xs:restriction base="xs:string">
      <!-- Enumeration values for LEI-CDF 2.0: -->
      <xs:enumeration value="DISSOLVED">
        <xs:annotation>
          <xs:documentation>The entity ceased to operate.
</xs:documentation>

        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="CORPORATE_ACTION">
        <xs:annotation>
          <xs:documentation>The entity was acquired or merged with another
entity.
          </xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="OTHER">
        <xs:annotation>
          <xs:documentation>The reason for expiry is neither of
<code>DISSOLVED</code> nor
              <code>CORPORATE_ACTION</code>
          </xs:documentation>

        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="RegistrationStatusEnum">
    <xs:restriction base="xs:string">
      <!-- Enumeration values for LEI-CDF 2.0: -->
      <xs:enumeration value="PENDING_VALIDATION">
        <xs:annotation>
          <xs:documentation>An application for an LEI that has been
submitted and which is being
            processed and validated.</xs:documentation>

        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="ISSUED">
        <xs:annotation>
          <xs:documentation>An LEI Registration that has been validated and
issued, and which
            identifies an entity that was an operating legal entity as of
the last update. </xs:documentation>

        </xs:annotation>
```

```
      </xs:enumeration>
      <xs:enumeration value="DUPLICATE">
        <xs:annotation>
          <xs:documentation>An LEI Registration that has been determined to
be a duplicate
            registration of the same legal entity as another LEI
Registration; the DUPLICATE status
            is assigned to the non-surviving registration (i.e. the LEI
that should no longer be
            used).</xs:documentation>

        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="LAPSED">
        <xs:annotation>
          <xs:documentation>An LEI registration that has not been renewed
by the
              <code>NextRenewalDate</code> and is not known by public
sources to have ceased
            operation.</xs:documentation>

        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="MERGED">
        <xs:annotation>
          <xs:documentation>An LEI registration for an entity that has been
merged into another
            legal entity, such that this legal entity no longer exists as
an operating
            entity.</xs:documentation>

        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="RETIRED">
        <xs:annotation>
          <xs:documentation>An LEI registration for an entity that has
ceased operation, without
            having been merged into another entity.</xs:documentation>

        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="ANNULLED">
        <xs:annotation>
          <xs:documentation>An LEI registration that was marked as
erroneous or invalid after it was
            issued</xs:documentation>

        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="CANCELLED">
        <xs:annotation>
          <xs:documentation>An LEI registration that was abandoned prior to
issuance of an LEI
          </xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="TRANSFERRED">
        <xs:annotation>
          <xs:documentation>An LEI registration that has been transferred
to a different LOU as the
            managing LOU.</xs:documentation>
```

```
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="PENDING_TRANSFER">
        <xs:annotation>
          <xs:documentation>An LEI registration that has been requested to
be transferred to another
            LOU. The request is being processed at the sending
LOU</xs:documentation>

        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="PENDING_ARCHIVAL">
        <xs:annotation>
          <xs:documentation>An LEI registration is about to be transferred
to a different LOU, after
            which its registration status will revert to a non-pending
status. </xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="ValidationSourcesEnum">
    <xs:restriction base="xs:string">
      <!-- Enumeration values for LEI-CDF 2.0: -->
      <xs:enumeration value="PENDING">
        <xs:annotation>
          <xs:documentation>The validation of the reference data provided
by the registrant has not
            yet occurred.</xs:documentation>

        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="ENTITY_SUPPLIED_ONLY">
        <xs:annotation>
          <xs:documentation>Based on the validation procedures in use by
the LOU responsible for the
            record, the information associated with this record has
significant reliance on the
            information that a submitter provided due to the unavailability
of corroborating
            information. </xs:documentation>

        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="PARTIALLY_CORROBORATED">
        <xs:annotation>
          <xs:documentation>Based on the validation procedures in use by
the LOU responsible for the
            record, the information supplied by the registrant can be
partially corroborated by
            public authoritative sources, while some of the record is
dependent upon the information
            that the registrant submitted, either due to conflicts with
authoritative information,
            or due to data unavailability. </xs:documentation>

        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="FULLY_CORROBORATED">
        <xs:annotation>
```

```
          <xs:documentation>Based on the validation procedures in use by
the LOU responsible for the
            record, there is sufficient information contained in
authoritative public sources to
            corroborate the information that the submitter has provided for
the
            record.</xs:documentation>

        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
  <xs:complexType name="NameType">
    <xs:simpleContent>
      <xs:extension base="lei:Tokenized500Type">
        <xs:attribute ref="xml:lang" use="optional">
          <xs:annotation>
            <xs:documentation>The language of this element's text content.
An IETF Language Code
              conforming to the latest RFC from IETF BCP 47. Note that the
first characters of an
              IETF Language Code, up to the hyphen (if any), are all
lowercase, and those following
              the hyphen (if any) are all uppercase.<br/>
            </xs:documentation>
          </xs:annotation>
        </xs:attribute>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
  <xs:simpleType name="TransliteratedStringType">
    <xs:annotation>
      <xs:documentation><style type="text/css"> .tg {border-
collapse:collapse;border-spacing:0;} .tg
          td{font-family:Arial, sans-serif;font-size:14px;padding:10px
          5px;border-style:solid;border-width:1px;overflow:hidden;word-
break:normal;} .tg
          th{font-family:Arial, sans-serif;font-size:14px;font-
weight:normal;padding:10px
          5px;border-style:solid;border-width:1px;overflow:hidden;word-
break:normal;} .tg
          .tg-9hbo{font-weight:bold;vertical-align:top} .tg .tg-
yw4l{vertical-align:top} </style>
        <h1>Character Codes Allowed in ASCII Transliterated Names</h1> A
          <code>TransliteratedOtherEntityName</code> instance of type
          <code>PREFERRED_ASCII_TRANSLITERATED_LEGAL_NAME</code> or
          <code>AUTO_ASCII_TRANSLITERATED_LEGAL_NAME</code>, can only
contain non-control characters
        drawn from the â□□invariant subsetâ□□ of ISO 646. These characters
are enumerated below. The
        â□□Hex Valueâ□□ column indicates the code point value (expressed in
hexadecimal) for each
        character in both ISOÂ 646 and ISOÂ 10646. <strong>This is enforced
by the XML
          schema.</strong><br/><br/>
        <table class="tg">
          <tr>
            <th class="tg-9hbo">Graphic Symbol</th>
            <th class="tg-9hbo">Name</th>
            <th class="tg-9hbo">Hex Value</th>
            <th class="tg-9hbo">Graphic Symbol</th>
```

```
  <th class="tg-9hbo">Name</th>
  <th class="tg-9hbo">Hex Value</th>
</tr>
<tr>
  <td class="tg-yw4l">!</td>
  <td class="tg-yw4l">Exclamation Mark</td>
  <td class="tg-yw4l">21</td>
  <td class="tg-yw4l">M</td>
  <td class="tg-yw4l">Capital Letter M</td>
  <td class="tg-yw4l">4D</td>
</tr>
<tr>
  <td class="tg-yw4l">"</td>
  <td class="tg-yw4l">Quotation Mark</td>
  <td class="tg-yw4l">22</td>
  <td class="tg-yw4l">N</td>
  <td class="tg-yw4l">Capital Letter N</td>
  <td class="tg-yw4l">4E</td>
</tr>
<tr>
  <td class="tg-yw4l">%</td>
  <td class="tg-yw4l">Percent Sign</td>
  <td class="tg-yw4l">25</td>
  <td class="tg-yw4l">O</td>
  <td class="tg-yw4l">Capital Letter O</td>
  <td class="tg-yw4l">4F</td>
</tr>
<tr>
  <td class="tg-yw4l">&amp;amp;</td>
  <td class="tg-yw4l">Ampersand</td>
  <td class="tg-yw4l">26</td>
  <td class="tg-yw4l">P</td>
  <td class="tg-yw4l">Capital Letter P</td>
  <td class="tg-yw4l">50</td>
</tr>
<tr>
  <td class="tg-yw4l">'</td>
  <td class="tg-yw4l">Apostrophe</td>
  <td class="tg-yw4l">27</td>
  <td class="tg-yw4l">Q</td>
  <td class="tg-yw4l">Capital Letter Q</td>
  <td class="tg-yw4l">51</td>
</tr>
<tr>
  <td class="tg-yw4l">(</td>
  <td class="tg-yw4l">Left Parenthesis</td>
  <td class="tg-yw4l">28</td>
  <td class="tg-yw4l">R</td>
  <td class="tg-yw4l">Capital Letter R</td>
  <td class="tg-yw4l">52</td>
</tr>
<tr>
  <td class="tg-yw4l">)</td>
  <td class="tg-yw4l">Right Parenthesis</td>
  <td class="tg-yw4l">29</td>
  <td class="tg-yw4l">S</td>
  <td class="tg-yw4l">Capital Letter S</td>
  <td class="tg-yw4l">53</td>
</tr>
<tr>
  <td class="tg-yw4l">*</td>
```

```
  <td class="tg-yw4l">Asterisk</td>
  <td class="tg-yw4l">2A</td>
  <td class="tg-yw4l">T</td>
  <td class="tg-yw4l">Capital Letter T</td>
  <td class="tg-yw4l">54</td>
</tr>
<tr>
  <td class="tg-yw4l">+</td>
  <td class="tg-yw4l">Plus sign</td>
  <td class="tg-yw4l">2B</td>
  <td class="tg-yw4l">U</td>
  <td class="tg-yw4l">Capital Letter U</td>
  <td class="tg-yw4l">55</td>
</tr>
<tr>
  <td class="tg-yw4l">,</td>
  <td class="tg-yw4l">Comma</td>
  <td class="tg-yw4l">2C</td>
  <td class="tg-yw4l">V</td>
  <td class="tg-yw4l">Capital Letter V</td>
  <td class="tg-yw4l">56</td>
</tr>
<tr>
  <td class="tg-yw4l">-</td>
  <td class="tg-yw4l">Hyphen/ Minus</td>
  <td class="tg-yw4l">2D</td>
  <td class="tg-yw4l">W</td>
  <td class="tg-yw4l">Capital Letter W</td>
  <td class="tg-yw4l">57</td>
</tr>
<tr>
  <td class="tg-yw4l">.</td>
  <td class="tg-yw4l">Full Stop</td>
  <td class="tg-yw4l">2E</td>
  <td class="tg-yw4l">X</td>
  <td class="tg-yw4l">Capital Letter X</td>
  <td class="tg-yw4l">58</td>
</tr>
<tr>
  <td class="tg-yw4l">/</td>
  <td class="tg-yw4l">Solidus</td>
  <td class="tg-yw4l">2F</td>
  <td class="tg-yw4l">Y</td>
  <td class="tg-yw4l">Capital Letter Y</td>
  <td class="tg-yw4l">59</td>
</tr>
<tr>
  <td class="tg-yw4l">0</td>
  <td class="tg-yw4l">Digit Zero</td>
  <td class="tg-yw4l">30</td>
  <td class="tg-yw4l">Z</td>
  <td class="tg-yw4l">Capital Letter Z</td>
  <td class="tg-yw4l">5A</td>
</tr>
<tr>
  <td class="tg-yw4l">1</td>
  <td class="tg-yw4l">Digit One</td>
  <td class="tg-yw4l">31</td>
  <td class="tg-yw4l">_</td>
  <td class="tg-yw4l">Low Line</td>
  <td class="tg-yw4l">5F</td>
```

```
</tr>
<tr>
  <td class="tg-yw4l">2</td>
  <td class="tg-yw4l">Digit Two</td>
  <td class="tg-yw4l">32</td>
  <td class="tg-yw4l">a</td>
  <td class="tg-yw4l">Small Letter a</td>
  <td class="tg-yw4l">61</td>
</tr>
<tr>
  <td class="tg-yw4l">3</td>
  <td class="tg-yw4l">Digit Three</td>
  <td class="tg-yw4l">33</td>
  <td class="tg-yw4l">b</td>
  <td class="tg-yw4l">Small Letter b</td>
  <td class="tg-yw4l">62</td>
</tr>
<tr>
  <td class="tg-yw4l">4</td>
  <td class="tg-yw4l">Digit Four</td>
  <td class="tg-yw4l">34</td>
  <td class="tg-yw4l">c</td>
  <td class="tg-yw4l">Small Letter c</td>
  <td class="tg-yw4l">63</td>
</tr>
<tr>
  <td class="tg-yw4l">5</td>
  <td class="tg-yw4l">Digit Five</td>
  <td class="tg-yw4l">35</td>
  <td class="tg-yw4l">d</td>
  <td class="tg-yw4l">Small Letter d</td>
  <td class="tg-yw4l">64</td>
</tr>
<tr>
  <td class="tg-yw4l">6</td>
  <td class="tg-yw4l">Digit Six</td>
  <td class="tg-yw4l">36</td>
  <td class="tg-yw4l">e</td>
  <td class="tg-yw4l">Small Letter e</td>
  <td class="tg-yw4l">65</td>
</tr>
<tr>
  <td class="tg-yw4l">7</td>
  <td class="tg-yw4l">Digit Seven</td>
  <td class="tg-yw4l">37</td>
  <td class="tg-yw4l">f</td>
  <td class="tg-yw4l">Small Letter f</td>
  <td class="tg-yw4l">66</td>
</tr>
<tr>
  <td class="tg-yw4l">8</td>
  <td class="tg-yw4l">Digit Eight</td>
  <td class="tg-yw4l">38</td>
  <td class="tg-yw4l">g</td>
  <td class="tg-yw4l">Small Letter g</td>
  <td class="tg-yw4l">67</td>
</tr>
<tr>
  <td class="tg-yw4l">9</td>
  <td class="tg-yw4l">Digit Nine</td>
  <td class="tg-yw4l">39</td>
```

```
  <td class="tg-yw4l">h</td>
  <td class="tg-yw4l">Small Letter h</td>
  <td class="tg-yw4l">68</td>
</tr>
<tr>
  <td class="tg-yw4l">:</td>
  <td class="tg-yw4l">Colon</td>
  <td class="tg-yw4l">3A</td>
  <td class="tg-yw4l">i</td>
  <td class="tg-yw4l">Small Letter i</td>
  <td class="tg-yw4l">69</td>
</tr>
<tr>
  <td class="tg-yw4l">;</td>
  <td class="tg-yw4l">Semicolon</td>
  <td class="tg-yw4l">3B</td>
  <td class="tg-yw4l">j</td>
  <td class="tg-yw4l">Small Letter j</td>
  <td class="tg-yw4l">6A</td>
</tr>
<tr>
  <td class="tg-yw4l">&lt;</td>
  <td class="tg-yw4l">Less-than Sign</td>
  <td class="tg-yw4l">3C</td>
  <td class="tg-yw4l">k</td>
  <td class="tg-yw4l">Small Letter k</td>
  <td class="tg-yw4l">6B</td>
</tr>
<tr>
  <td class="tg-yw4l">=</td>
  <td class="tg-yw4l">Equals Sign</td>
  <td class="tg-yw4l">3D</td>
  <td class="tg-yw4l">l</td>
  <td class="tg-yw4l">Small Letter l</td>
  <td class="tg-yw4l">6C</td>
</tr>
<tr>
  <td class="tg-yw4l">></td>
  <td class="tg-yw4l">Greater-than Sign</td>
  <td class="tg-yw4l">3E</td>
  <td class="tg-yw4l">m</td>
  <td class="tg-yw4l">Small Letter m</td>
  <td class="tg-yw4l">6D</td>
</tr>
<tr>
  <td class="tg-yw4l">?</td>
  <td class="tg-yw4l">Question Mark</td>
  <td class="tg-yw4l">3F</td>
  <td class="tg-yw4l">n</td>
  <td class="tg-yw4l">Small Letter n</td>
  <td class="tg-yw4l">6E</td>
</tr>
<tr>
  <td class="tg-yw4l">A</td>
  <td class="tg-yw4l">Capital Letter A</td>
  <td class="tg-yw4l">41</td>
  <td class="tg-yw4l">o</td>
  <td class="tg-yw4l">Small Letter o</td>
  <td class="tg-yw4l">6F</td>
</tr>
<tr>
```

```
  <td class="tg-yw4l">B</td>
  <td class="tg-yw4l">Capital Letter B</td>
  <td class="tg-yw4l">42</td>
  <td class="tg-yw4l">p</td>
  <td class="tg-yw4l">Small Letter p</td>
  <td class="tg-yw4l">70</td>
</tr>
<tr>
  <td class="tg-yw4l">C</td>
  <td class="tg-yw4l">Capital Letter C</td>
  <td class="tg-yw4l">43</td>
  <td class="tg-yw4l">q</td>
  <td class="tg-yw4l">Small Letter q</td>
  <td class="tg-yw4l">71</td>
</tr>
<tr>
  <td class="tg-yw4l">D</td>
  <td class="tg-yw4l">Capital Letter D</td>
  <td class="tg-yw4l">44</td>
  <td class="tg-yw4l">r</td>
  <td class="tg-yw4l">Small Letter r</td>
  <td class="tg-yw4l">72</td>
</tr>
<tr>
  <td class="tg-yw4l">E</td>
  <td class="tg-yw4l">Capital Letter E</td>
  <td class="tg-yw4l">45</td>
  <td class="tg-yw4l">s</td>
  <td class="tg-yw4l">Small Letter s</td>
  <td class="tg-yw4l">73</td>
</tr>
<tr>
  <td class="tg-yw4l">F</td>
  <td class="tg-yw4l">Capital Letter F</td>
  <td class="tg-yw4l">46</td>
  <td class="tg-yw4l">t</td>
  <td class="tg-yw4l">Small Letter t</td>
  <td class="tg-yw4l">74</td>
</tr>
<tr>
  <td class="tg-yw4l">G</td>
  <td class="tg-yw4l">Capital Letter G</td>
  <td class="tg-yw4l">47</td>
  <td class="tg-yw4l">u</td>
  <td class="tg-yw4l">Small Letter u</td>
  <td class="tg-yw4l">75</td>
</tr>
<tr>
  <td class="tg-yw4l">H</td>
  <td class="tg-yw4l">Capital Letter H</td>
  <td class="tg-yw4l">48</td>
  <td class="tg-yw4l">v</td>
  <td class="tg-yw4l">Small Letter v</td>
  <td class="tg-yw4l">76</td>
</tr>
<tr>
  <td class="tg-yw4l">I</td>
  <td class="tg-yw4l">Capital Letter I</td>
  <td class="tg-yw4l">49</td>
  <td class="tg-yw4l">w</td>
  <td class="tg-yw4l">Small Letter w</td>
```

```
            <td class="tg-yw4l">77</td>
          </tr>
          <tr>
            <td class="tg-yw4l">J</td>
            <td class="tg-yw4l">Capital Letter J</td>
            <td class="tg-yw4l">4A</td>
            <td class="tg-yw4l">x</td>
            <td class="tg-yw4l">Small Letter x</td>
            <td class="tg-yw4l">78</td>
          </tr>
          <tr>
            <td class="tg-yw4l">K</td>
            <td class="tg-yw4l">Capital Letter K</td>
            <td class="tg-yw4l">4B</td>
            <td class="tg-yw4l">y</td>
            <td class="tg-yw4l">Small Letter y</td>
            <td class="tg-yw4l">79</td>
          </tr>
          <tr>
            <td class="tg-yw4l">L</td>
            <td class="tg-yw4l">Capital Letter L</td>
            <td class="tg-yw4l">4C</td>
            <td class="tg-yw4l">z</td>
            <td class="tg-yw4l">Small Letter z</td>
            <td class="tg-yw4l">7A</td>
          </tr>
          <tr>
            <td class="tg-yw4l"/>
            <td class="tg-yw4l">Space</td>
            <td class="tg-yw4l">20</td>
            <td class="tg-yw4l"/>
            <td class="tg-yw4l"/>
            <td class="tg-yw4l"/>
          </tr>
        </table>
      </xs:documentation>
    </xs:annotation>
    <xs:restriction base="lei:Tokenized500Type">
      <xs:pattern
        value="(!|&amp;quot;|%|&amp;amp;|'|\(|\)|\*|\+|,|-
|\.|/|0|1|2|3|4|5|6|7|8|9|:|;|&amp;lt;|=|>|\?|A|B|C|D|E|F|G|H|I|J|K|L|
|M|N|O|P|Q|R|S|T|U|V|W|X|Y|Z|_|a|b|c|d|e|f|g|h|i|j|k|l|m|n|o|p|q|r|s|t|u|v|
w|x|y|z)+"
      />
    </xs:restriction>
  </xs:simpleType>

  <xs:complexType name="TransliteratedOtherEntityNameType">
    <xs:complexContent>
      <xs:extension base="lei:TransliteratedNameType">
        <xs:attribute name="type"
type="lei:TransliteratedEntityNameTypeEnum" use="required">
          <xs:annotation>
            <xs:documentation>Type of alternative name for the legal
entity.</xs:documentation>

          </xs:annotation>
        </xs:attribute>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
```

```
  <xs:simpleType name="TransliteratedEntityNameTypeEnum">
    <xs:restriction base="xs:token">
      <xs:enumeration value="PREFERRED_ASCII_TRANSLITERATED_LEGAL_NAME">
        <xs:annotation>
          <xs:documentation>Legal name of the entity transliterated to
ASCII characters, provided by
            the entity for this purpose.</xs:documentation>

        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="AUTO_ASCII_TRANSLITERATED_LEGAL_NAME">
        <xs:annotation>
          <xs:documentation>Legal name of the entity transliterated to
ASCII characters,
            auto-transliterated by the managing LOU.</xs:documentation>

        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
  <xs:complexType name="TransliteratedNameType">
    <xs:simpleContent>
      <xs:extension base="lei:TransliteratedStringType">
        <xs:attribute ref="xml:lang" use="optional">
          <xs:annotation>
            <xs:documentation>The language of this element's text content.
An IETF Language Code
              conforming to the latest RFC from IETF BCP 47. Note that the
first characters of an
              IETF Language Code, up to the hyphen (if any), are all
lowercase, and those following
              the hyphen (if any) are all uppercase.<br/>
            </xs:documentation>
          </xs:annotation>
        </xs:attribute>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
  <xs:simpleType name="LEIDateTimeProfile">
    <xs:restriction base="xs:dateTime">
      <xs:annotation>
        <xs:documentation>
          <ul>
            <li>Elements of base data type <code>xs:dateTime</code> further
restrict the ISO 8601
              range of date and time format to the single format:
                <br/><br/><strong>YYYY-MM-DDThh:mm:ss.sssTZ</strong><br/>
              <br/> where the components of the above string are as
follows: <ul>
                <li>YYYY is the year</li>
                <li>MM is the month (01 = January, â□Ś, 12 = December)</li>
                <li>DD is the day of the month (01 = first day of the
month)</li>
                <li>T is the single character â□□Tâ□□</li>
                <li>hh is the hour (00 â□□ 23)</li>
                <li>mm is the minute</li>
                <li>ss.sss is the second and milliseconds. Two digits must
be used for the seconds.
                  From one to three digits may be used for milliseconds, or
omitted entirely along
                with the decimal point.</li>
```

```
                <li>TZ is the time zone specifier, which can be one
of:</li>
                <ul>
                  <li>Z the single character â□□Zâ□□, denoting Coordinated
Universal Time (UTC); or</li>
                  <li>+hh:mm denoting a positive offset from UTC; or</li>
                  <li>-hh:mm denoting a negative offset from UTC</li>
                </ul>
              </ul> This pattern therefore adds the restrictions, beyond
the ISO 8601 specification: <ul>
                <li>Only the specified pattern of digits, indicators and
separators may be used (no
                  spaces or other white space characters).</li>
                <li>The time zone (TZ) MUST be present, although it
<strong>may</strong> be zero (Z)
                    <strong>if</strong> all dates and times are expressed
as UTC+00:00.</li>
                <li>Only 3 decimal places maximum are allowed in the
seconds section (ss.sss).</li>
              </ul>
            </li>
          </ul>
        </xs:documentation>
      </xs:annotation>
      <xs:pattern
        value="([^\.]*|([^\.]*(\.((\d){1,3})){0,1}))(Z|\+([01][0-9]|2[0-
3]):([0-5][0-9])|-([01][0-9]|2[0-3]):([0-5][0-9]))"
      />
    </xs:restriction>
  </xs:simpleType>
  <!--
  <xs:simpleType name="CountType">
    <xs:annotation>
      <xs:documentation>A count must be a whole number, equal to zero or
more.</xs:documentation>
    </xs:annotation>
      <xs:restriction base="xs:int">
        <xs:minInclusive value="0"/>
      </xs:restriction>
  </xs:simpleType>
  -->
</xs:schema>
```