

The J. Paul Getty Trust

Getty Vocabularies Web Services

Version 2.0 User Instructions

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Getty Vocabularies Web Services User Instructions

For Version 2.0

Introduction: The Vocabularies Web Services are a suite of programming interfaces available to licensees of the Getty Vocabularies for the retrieval and update of vocabulary information in real-time. The vocabularies web services are meant to complement the products which are presently used to distribute vocabulary information: The Vocabularies on the Web (http://www.getty.edu/research/conducting_research/vocabularies/) which are updated on a monthly basis and the full data download site (http://www.getty.edu/research/conducting_research/vocabularies/download.html) which is updated yearly.

Changes in Version 2.0: The Getty Vocabulary Program has modified the overall structure of its data to better accommodate multilingual terminology. Changes to the Vocabularies Web Services schemas reflect these efforts and are as follows:

Schemas AATGetSubjectTerms, TGNGetSubjectTerms, ULANGetSubjectTerms, AATGetSubject, TGNGetSubject, ULANGetSubject:

1. Removed elements Preferred_Language and Non-Preferred_Language and replaced them with complex type Term_Language under element Term_Languages
2. Moved element Qualifier to complex type Term_Language

Schemas AATGetSubject, TGNGetSubject, ULANGetSubject:

1. Moved element Descriptive_Note to unbounded sequence under element Descriptive_Notes
2. Added element Note_Language to Descriptive_Note complex type
3. Made element Note_Contributor unbounded sequence under new element Note_Contributors

Schemas AATGetSubject, TGNGetSubject, ULANGetSubject, AATGetParents, TGNGetParents, ULANGetParents:

1. Added element Hier_Rel_Type to complex type ParentType

Schemas AATGetChildren, TGNGetChildren, ULANGetChildren:

1. Added element Hier_Rel_Type to complex type ChildType

User Requirements: In order to access the Getty Vocabularies Web Services, a user must be a current licensee of the Getty Vocabularies data with an active username and password to the Getty Vocabularies Download Center (http://www.getty.edu/research/conducting_research/vocabularies/download.html). The same login credentials used for accessing the Getty Vocabularies Download Center are used for accessing the Vocabularies Web Services. The authorization type is “basic”

for the realm “vocabsservices.getty.edu”. Each login is specific to an individual vocabulary for each licensee.

Programming Guidelines: The Getty Vocabularies Web Services for AAT, ULAN and TGN can be accessed at:

<http://vocabsservices.getty.edu/AATService.asmx>
<http://vocabsservices.getty.edu/ULANService.asmx>
<http://vocabsservices.getty.edu/TGNService.asmx>

Each service shows example requests and responses for programming interfaces done in SOAP 1.1 and 1.2, HTTP GET, and HTTP POST protocols. These examples can also be found in Appendix A (AAT), C (ULAN) and E (TGN) of these instructions.

Services Brief Descriptions:

1. **GetSubjectTerms** – returns all terms for a given subject ID along with their language, contributor, and source information

Output Schema: AATGetSubjectTerms.xsd, ULANGetSubjectTerms.xsd, TGNGetSubjectTerms.xsd

2. **GetTermMatch** – returns terms that match a given set of search criteria.

- a. **AATGetTermMatch** – returns the terms that match a given string for both the term and descriptive note fields. The AATGetTermMatch service is meant to work like the Vocabularies on the Web site at:

http://www.getty.edu/research/conducting_research/vocabularies/aat/

Input Notes: This service allows the user to program and/or logical operators between the term and descriptive note criteria. The “logop” input parameter should be coded as the string “and” or the string “or”. For more help on searching the AAT, please refer to this page:

http://www.getty.edu/research/conducting_research/vocabularies/aat/help.html

Output Schema: AATGetTermMatch.xsd

- b. **ULANGetTermMatch** – returns the terms that match a given string for the term along with the options of filtering the results based on artist role and nationality. The ULANGetTermMatch service is meant to work like the Vocabularies on the Web site at:

http://www.getty.edu/research/conducting_research/vocabularies/ulan/

Input Notes: This service allows the user to input a role ID and/or a nationality ID in addition to the search term string. Role IDs and Nationality IDs can be obtained from the following schemas:

http://vocabsservices.getty.edu/Schemas/ULAN/ulan_role.xsd

http://vocabsservices.getty.edu/Schemas/ULAN/ulan_nationality.xsd

For more help on searching ULAN, please refer to this page:

http://www.getty.edu/research/conducting_research/vocabularies/ulan/help.html

Output Schema: ULANGetTermMatch.xsd

- c. **TGNGetTermMatch** – returns the terms that match a given string for the term along with the options of filtering the results based on place type and nation. The TGNGetTermMatch service is meant to work like the Vocabularies on the Web site at:

http://www.getty.edu/research/conducting_research/vocabularies/tgn/

Input Notes: This service allows the user to input a place type ID and/or a nation ID in addition to the search term string. Place Type IDs and Nation IDs can be obtained from the following schemas:

http://vocabsservices.getty.edu/Schemas/TGN/tgn_place_type.xsd

http://vocabsservices.getty.edu/Schemas/TGN/tgn_nationality.xsd

For more help on searching TGN, please refer to this page:

http://www.getty.edu/research/conducting_research/vocabularies/tgn/help.html

Output Schema: TGNGetTermMatch.xsd

- 3. **GetSubject** – returns all data elements associated with a VCS subject record for a given subject ID

Output Schema: AATGetSubject.xsd, ULANGetSubject.xsd, TGNGetSubject.xsd

- 4. **SyncSubjectId** – returns the current subject ID for a given subject ID, accounting for whether or not that record has been merged

Output Schema: AATGetSyncSubjectID.xsd, ULANGetSyncSubjectID.xsd, TGNGetSyncSubjectID.xsd

- 5. GetMergedSubjectID** – returns a list of records with their old and new IDs that have been merged over a given date range

Input Notes: Currently, the date range format must conform to the pattern 'DD-MMM-YYYY' with the month being represented as one of the textual abbreviations 'JAN', 'FEB', 'MAR', 'APR', 'MAY', 'JUN', 'JUL', 'AUG', 'SEP', 'OCT', 'NOV', 'DEC'.

Example SOAP Body tags for AAT:

```
<AATGetMergedSubjectID>
  <startDate>1-FEB-2008</startDate>
  <endDate>1-MAR-2008</endDate>
</AATGetMergedSubjectID>
```

Output Schema: AATGetMergedSubjectID.xsd, ULANGetMergedSubjectID.xsd, TGNGetMergedSubjectID.xsd

- 6. GetParents** – returns the preferred and non-preferred parent hierarchies for a given subject ID

Output Schema: AATGetParents.xsd, ULANGetParents.xsd, TGNGetParents.xsd

- 7. GetChildren** – returns all immediate the preferred and non-preferred children for a given subject ID

Output Schema: AATGetChildren.xsd, ULANGetChildren.xsd, TGNGetChildren.xsd

- 8. GetRevisionHistory** – returns information on edits made to vocabulary data based on a date range and input parameter that indicates which piece of revision history information is desired.

Input Notes: Parameters for revision history option include,

- 1 – Overall subject record edits
- 2 – Added, deleted, modified terms
- 3 – Scope note edits
- 4 – Moved records
- 5 – New records

Output Schema: AATGetRevisionHistory.xsd, ULANGetRevisionHistory.xsd, TGNGetRevisionHistory.xsd

Appendix A: AAT Programming Interface Examples

A.1 AATGetSubjectTerms

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /AATService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://vocabsservices.getty.edu/AATGetSubjectTerms"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <AATGetSubjectTerms xmlns="http://vocabsservices.getty.edu/">
      <subjectID>string</subjectID>
    </AATGetSubjectTerms>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <AATGetSubjectTermsResponse
xmlns="http://vocabsservices.getty.edu/">
      <AATGetSubjectTermsResult>xml</AATGetSubjectTermsResult>
    </AATGetSubjectTermsResponse>
  </soap:Body>
</soap:Envelope>
```

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /AATService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
```

```

    <AATGetSubjectTerms xmlns="http://vocabsservices.getty.edu/">
      <subjectID>string</subjectID>
    </AATGetSubjectTerms>
  </soap12:Body>
</soap12:Envelope>
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <AATGetSubjectTermsResponse
xmlns="http://vocabsservices.getty.edu/">
      <AATGetSubjectTermsResult>xml</AATGetSubjectTermsResult>
    </AATGetSubjectTermsResponse>
  </soap12:Body>
</soap12:Envelope>

```

HTTP GET

The following is a sample HTTP GET request and response. The **placeholders** shown need to be replaced with actual values.

```

GET /AATService.asmx/AATGetSubjectTerms?subjectID=string HTTP/1.1
Host: vocabsservices.getty.edu
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

```

```

<?xml version="1.0"?>
xml

```

HTTP POST

The following is a sample HTTP POST request and response. The **placeholders** shown need to be replaced with actual values.

```

POST /AATService.asmx/AATGetSubjectTerms HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/x-www-form-urlencoded
Content-Length: length

```

```

subjectID=string
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

```

```

<?xml version="1.0"?>
xml

```

A.2 AATGetTermMatch

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /AATService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://vocabsservices.getty.edu/AATGetTermMatch"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <AATGetTermMatch xmlns="http://vocabsservices.getty.edu/">
      <term>string</term>
      <logop>string</logop>
      <notes>string</notes>
    </AATGetTermMatch>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <AATGetTermMatchResponse
xmlns="http://vocabsservices.getty.edu/">
      <AATGetTermMatchResult>xml</AATGetTermMatchResult>
    </AATGetTermMatchResponse>
  </soap:Body>
</soap:Envelope>
```

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /AATService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <AATGetTermMatch xmlns="http://vocabsservices.getty.edu/">
      <term>string</term>
      <logop>string</logop>
      <notes>string</notes>
    </AATGetTermMatch>
  </soap12:Body>
```

```

</soap12:Envelope>
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <AATGetTermMatchResponse
xmlns="http://vocabsservices.getty.edu/">
      <AATGetTermMatchResult>xml</AATGetTermMatchResult>
    </AATGetTermMatchResponse>
  </soap12:Body>
</soap12:Envelope>

```

HTTP GET

The following is a sample HTTP GET request and response. The **placeholders** shown need to be replaced with actual values.

```

GET
/AATService.asmx/AATGetTermMatch?term=string&logop=string&notes=stri
ng HTTP/1.1
Host: vocabsservices.getty.edu
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0"?>
xml

```

HTTP POST

The following is a sample HTTP POST request and response. The **placeholders** shown need to be replaced with actual values.

```

POST /AATService.asmx/AATGetTermMatch HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/x-www-form-urlencoded
Content-Length: length

term=string&logop=string&notes=string
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0"?>
xml

```

A.3 AATGetSubject

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /AATService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://vocabsservices.getty.edu/AATGetSubject"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <AATGetSubject xmlns="http://vocabsservices.getty.edu/">
      <subjectID>string</subjectID>
    </AATGetSubject>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <AATGetSubjectResponse xmlns="http://vocabsservices.getty.edu/">
      <AATGetSubjectResult>xml</AATGetSubjectResult>
    </AATGetSubjectResponse>
  </soap:Body>
</soap:Envelope>
```

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /AATService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <AATGetSubject xmlns="http://vocabsservices.getty.edu/">
      <subjectID>string</subjectID>
    </AATGetSubject>
  </soap12:Body>
</soap12:Envelope>
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <AATGetSubjectResponse xmlns="http://vocabsservices.getty.edu/">
      <AATGetSubjectResult>xml</AATGetSubjectResult>
    </AATGetSubjectResponse>
  </soap12:Body>
</soap12:Envelope>
```

HTTP GET

The following is a sample HTTP GET request and response. The **placeholders** shown need to be replaced with actual values.

```
GET /AATService.asmx/AATGetSubject?subjectID=string HTTP/1.1
Host: vocabsservices.getty.edu
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0"?>
xml
```

HTTP POST

The following is a sample HTTP POST request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /AATService.asmx/AATGetSubject HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/x-www-form-urlencoded
Content-Length: length
```

```
subjectID=string
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0"?>
xml
```

A.4 AATGetSyncSubjectID

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /AATService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://vocabsservices.getty.edu/AATGetSyncSubjectID"
```

```
<?xml version="1.0" encoding="utf-8"?>
```

```

<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <AATGetSyncSubjectID xmlns="http://vocabsservices.getty.edu/">
      <subjectID>string</subjectID>
    </AATGetSyncSubjectID>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

```

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <AATGetSyncSubjectIDResponse
xmlns="http://vocabsservices.getty.edu/">
      <AATGetSyncSubjectIDResult>xml</AATGetSyncSubjectIDResult>
    </AATGetSyncSubjectIDResponse>
  </soap:Body>
</soap:Envelope>

```

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The **placeholders** shown need to be replaced with actual values.

```

POST /AATService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

```

```

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <AATGetSyncSubjectID xmlns="http://vocabsservices.getty.edu/">
      <subjectID>string</subjectID>
    </AATGetSyncSubjectID>
  </soap12:Body>
</soap12:Envelope>
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

```

```

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <AATGetSyncSubjectIDResponse
xmlns="http://vocabsservices.getty.edu/">
      <AATGetSyncSubjectIDResult>xml</AATGetSyncSubjectIDResult>
    </AATGetSyncSubjectIDResponse>
  </soap12:Body>
</soap12:Envelope>

```

```
</soap12:Body>
</soap12:Envelope>
```

HTTP GET

The following is a sample HTTP GET request and response. The **placeholders** shown need to be replaced with actual values.

```
GET /AATService.asmx/AATGetSyncSubjectID?subjectID=string HTTP/1.1
Host: vocabsservices.getty.edu
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0"?>
xml
```

HTTP POST

The following is a sample HTTP POST request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /AATService.asmx/AATGetSyncSubjectID HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/x-www-form-urlencoded
Content-Length: length
```

```
subjectID=string
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0"?>
xml
```

A.5 AATGetMergedSubjectID

Return a list of records with old and new IDs that have been merged

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /AATService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://vocabsservices.getty.edu/AATGetMergedSubjectID"
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <AATGetMergedSubjectID xmlns="http://vocabsservices.getty.edu/">
```

```

        <startDate>string</startDate>
        <endDate>string</endDate>
    </AATGetMergedSubjectID>
</soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
    <soap:Body>
        <AATGetMergedSubjectIDResponse
xmlns="http://vocabsservices.getty.edu/">
            <AATGetMergedSubjectIDResult>xml</AATGetMergedSubjectIDResult>
        </AATGetMergedSubjectIDResponse>
    </soap:Body>
</soap:Envelope>

```

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The **placeholders** shown need to be replaced with actual values.

```

POST /AATService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
    <soap12:Body>
        <AATGetMergedSubjectID xmlns="http://vocabsservices.getty.edu/">
            <startDate>string</startDate>
            <endDate>string</endDate>
        </AATGetMergedSubjectID>
    </soap12:Body>
</soap12:Envelope>
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
    <soap12:Body>
        <AATGetMergedSubjectIDResponse
xmlns="http://vocabsservices.getty.edu/">
            <AATGetMergedSubjectIDResult>xml</AATGetMergedSubjectIDResult>
        </AATGetMergedSubjectIDResponse>
    </soap12:Body>
</soap12:Envelope>

```

HTTP GET

The following is a sample HTTP GET request and response. The **placeholders** shown need to be replaced with actual values.

```
GET
/AATService.asmx/AATGetMergedSubjectID?startDate=string&endDate=string
HTTP/1.1
Host: vocabsservices.getty.edu
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0"?>
xml
```

HTTP POST

The following is a sample HTTP POST request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /AATService.asmx/AATGetMergedSubjectID HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/x-www-form-urlencoded
Content-Length: length

startDate=string&endDate=string
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0"?>
xml
```

A.6 AATGetParents

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /AATService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://vocabsservices.getty.edu/AATGetParents"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <AATGetParents xmlns="http://vocabsservices.getty.edu/">
      <subjectID>string</subjectID>
    </AATGetParents>
  </soap:Body>
</soap:Envelope>
```



```

    </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <AATGetParentsResponse xmlns="http://vocabsservices.getty.edu/">
      <AATGetParentsResult>xml</AATGetParentsResult>
    </AATGetParentsResponse>
  </soap:Body>
</soap:Envelope>

```

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The **placeholders** shown need to be replaced with actual values.

```

POST /AATService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <AATGetParents xmlns="http://vocabsservices.getty.edu/">
      <subjectID>string</subjectID>
    </AATGetParents>
  </soap12:Body>
</soap12:Envelope>
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

```

```

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <AATGetParentsResponse xmlns="http://vocabsservices.getty.edu/">
      <AATGetParentsResult>xml</AATGetParentsResult>
    </AATGetParentsResponse>
  </soap12:Body>
</soap12:Envelope>

```

HTTP GET

The following is a sample HTTP GET request and response. The **placeholders** shown need to be replaced with actual values.

```

GET /AATService.asmx/AATGetParents?subjectID=string HTTP/1.1
Host: vocabsservices.getty.edu

```

```
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0"?>
xml
```

HTTP POST

The following is a sample HTTP POST request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /AATService.asmx/AATGetParents HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/x-www-form-urlencoded
Content-Length: length
```

```
subjectID=string
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0"?>
xml
```

A.7 AATGetChildren

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /AATService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://vocabsservices.getty.edu/AATGetChildren"
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <AATGetChildren xmlns="http://vocabsservices.getty.edu/">
      <subjectID>string</subjectID>
    </AATGetChildren>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
```

```

    <soap:Body>
      <AATGetChildrenResponse
xmlns="http://vocabsservices.getty.edu/">
        <AATGetChildrenResult>xml</AATGetChildrenResult>
      </AATGetChildrenResponse>
    </soap:Body>
  </soap:Envelope>

```

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The **placeholders** shown need to be replaced with actual values.

```

POST /AATService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <AATGetChildren xmlns="http://vocabsservices.getty.edu/">
      <subjectID>string</subjectID>
    </AATGetChildren>
  </soap12:Body>
</soap12:Envelope>
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <AATGetChildrenResponse
xmlns="http://vocabsservices.getty.edu/">
      <AATGetChildrenResult>xml</AATGetChildrenResult>
    </AATGetChildrenResponse>
  </soap12:Body>
</soap12:Envelope>

```

HTTP GET

The following is a sample HTTP GET request and response. The **placeholders** shown need to be replaced with actual values.

```

GET /AATService.asmx/AATGetChildren?subjectID=string HTTP/1.1
Host: vocabsservices.getty.edu
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0"?>
xml

```

HTTP POST

The following is a sample HTTP POST request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /AATService.asmx/AATGetChildren HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/x-www-form-urlencoded
Content-Length: length
```

```
subjectID=string
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0"?>
xml
```

A.8 AATGetRevisionHistory

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /AATService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://vocabsservices.getty.edu/AATGetRevisionHistory"
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <AATGetRevisionHistory xmlns="http://vocabsservices.getty.edu/">
      <startDate>string</startDate>
      <endDate>string</endDate>
      <param>string</param>
    </AATGetRevisionHistory>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <AATGetRevisionHistoryResponse
xmlns="http://vocabsservices.getty.edu/">
      <AATGetRevisionHistoryResult>xml</AATGetRevisionHistoryResult>
    </AATGetRevisionHistoryResponse>
  </soap:Body>
```

```
</soap:Envelope>
```

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /AATService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <AATGetRevisionHistory xmlns="http://vocabsservices.getty.edu/">
      <startDate>string</startDate>
      <endDate>string</endDate>
      <param>string</param>
    </AATGetRevisionHistory>
  </soap12:Body>
</soap12:Envelope>
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <AATGetRevisionHistoryResponse
xmlns="http://vocabsservices.getty.edu/">
      <AATGetRevisionHistoryResult>xml</AATGetRevisionHistoryResult>
    </AATGetRevisionHistoryResponse>
  </soap12:Body>
</soap12:Envelope>
```

HTTP GET

The following is a sample HTTP GET request and response. The **placeholders** shown need to be replaced with actual values.

```
GET
/AATService.asmx/AATGetRevisionHistory?startDate=string&endDate=string&
param=string HTTP/1.1
Host: vocabsservices.getty.edu
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0"?>
xml
```

HTTP POST

The following is a sample HTTP POST request and response. The **placeholders** shown need to be replaced with actual values.

POST /AATService.asmx/AATGetRevisionHistory HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/x-www-form-urlencoded
Content-Length: **length**

startDate=string&endDate=string¶m=string

HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: **length**

<?xml version="1.0"?>
xml

Appendix B: AAT Data Element Descriptions

B.1 Schema AATGetSubjectTerms.xsd

schema location: [Http://vocabsservices.getty.edu/Schemas/AAT/AATGetSubjectTerms.xsd](http://vocabsservices.getty.edu/Schemas/AAT/AATGetSubjectTerms.xsd)
attribute form default: unqualified
element form default: qualified

Elements Complex types
[Vocabulary](#) [SourceType](#)
 [TermType](#)

element Vocabulary

properties	content complex
------------	--------------------

element Vocabulary/Subject

properties	isRef 0 minOcc 1 maxOcc unbounded content complex
attributes	Name Type Use Default Fixed annotation Subject_ID xs:integer required documentation Unique identification number of an AAT record

attribute Vocabulary/Subject/@Subject_ID

type	xs:integer
properties	isRef 0 use required
annotation	documentation Unique identification number of an AAT record

element Vocabulary/Subject/Terms

properties	isRef 0 content complex
annotation	documentation There can be one and only one preferred term, but zero to many non-preferred terms.

element Vocabulary/Subject/Terms/Preferred_Term

type	TermType
properties	isRef 0 content complex
annotation	documentation The term that is the preferred form for this subject record

element **Vocabulary/Subject/Terms/Non-Preferred_Term**

type	TermType		
properties	isRef	0	
	minOcc	0	
	maxOcc	unbounded	
	content	complex	

complexType **SourceType**

annotation	documentation Set of values to reference a bibliographic source
------------	--

element **SourceType/Source_ID**

type	xs:string		
properties	isRef	0	
	content	simple	
annotation	documentation A combination of the unique identifier and brief description separated by a forward slash ('/') for a source in the AAT		

complexType **TermType**

annotation	documentation Term block for the Terms element
------------	---

element **TermType/Term_Text**

type	xs:string		
properties	isRef	0	
	content	simple	
annotation	documentation The term		

element **TermType/Term_ID**

type	xs:integer		
properties	isRef	0	
	content	simple	
annotation	documentation Integer value identifying a unique term record		

element **TermType/Term_Languages**

properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	complex	

element **TermType/Term_Languages/Term_Language**

properties	isRef	0	
	minOcc	1	
	maxOcc	unbounded	
	content	complex	

element **TermType/Term_Languages/Term_Language/Language**

type	xs:string		
properties	isRef	0	
	content	simple	

element **TermType/Term_Languages/Term_Language/Preferred**

type	restriction of xs:string		
properties	isRef	0	
	content	simple	
facets	Kind	Value	annotation
	enumeration	Preferred	
	enumeration	Non Preferred	
	enumeration	Undetermined	
annotation	documentation Flag indicating whether or not a term is preferred for a particular language		

element **TermType/Term_Languages/Term_Language/Qualifier**

type	xs:string		
properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	simple	
annotation	documentation Label to disambiguate homophones in AAT		

element **TermType/Term_Languages/Term_Language/Term_Type**

type	restriction of xs:string		
properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	simple	
facets	Kind	Value	annotation
	enumeration	Alternate Descriptor	
	enumeration	Used For Term	
	enumeration	Descriptor	

element **TermType/Term_Languages/Term_Language/Part_of_Speech**

type	restriction of xs:string		
properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	simple	
facets	Kind	Value	annotation
	enumeration	N/A	
	enumeration	Undetermined	
	enumeration	Plural Noun	
	enumeration	Singular Noun	

	enumeration	Singular and Plural Gerund
	enumeration	Past Participle
	enumeration	Verbal Noun
	enumeration	Noun
	enumeration	Adjectival

element **TermType/Term_Languages/Term_Language/Lang_Stat**

type	restriction of xs:string	
properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple
facets	Kind	Value
	enumeration	Undetermined
	enumeration	N/A
	enumeration	Loan Term

element **TermType/Term_Contributors**

properties	isRef	0
	minOcc	0
	maxOcc	1
	content	complex

element **TermType/Term_Contributors/Term_Contributor**

properties	isRef	0
	minOcc	1
	maxOcc	unbounded
	content	complex

element **TermType/Term_Contributors/Term_Contributor/Contributor_id**

type	xs:string	
properties	isRef	0
	content	simple
annotation	documentation A combination of the unique identifier and brief description separated by a forward slash (/) for a particular contributor to the AAT	

element **TermType/Term_Contributors/Term_Contributor/Preferred**

type	xs:string	
properties	isRef	0
	content	simple
annotation	documentation Indicates whether or not a term is preferred by a particular contributor	

element **TermType/Term_Sources**

properties	isRef	0
	minOcc	0
	maxOcc	1
	content	complex

element **TermType/Term_Sources/Term_Source**

properties	isRef	0
	minOcc	1
	maxOcc	unbounded
	content	complex

element **TermType/Term_Sources/Term_Source/Source**

type	SourceType	
properties	isRef	0
	content	complex

element **TermType/Term_Sources/Term_Source/Page**

type	xs:string	
properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple
annotation	documentation Free text entry field for information relating to term-to-source relationship	

element **TermType/Term_Sources/Term_Source/Preferred**

type	restriction of xs:string	
properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple
facets	Kind	Value
	enumeration	Preferred
	enumeration	Non Preferred
	enumeration	Unknown
	enumeration	Alternate Preferred
annotation	documentation Flag indicating whether or not a term is preferred for a particular source	

B.2 Schema **AATGetTermMatch.xsd**

schema location: <http://vocabsservices.getty.edu/Schemas/AAT/AATGetTermMatch.xsd>
 attribute form default: **unqualified**
 element form default: **qualified**

Elements
[Vocabulary](#)

element **Vocabulary**

properties content complex

element **Vocabulary/Count**

type	xs:integer	
properties	isRef	0
	content	simple
annotation	documentation	
	The count of the number of subjects matching the search criteria	

element **Vocabulary/Subject**

properties	isRef	0
	minOcc	1
	maxOcc	unbounded
	content	complex

element **Vocabulary/Subject/Preferred_Term**

type	xs:string	
properties	isRef	0
	content	simple
annotation	documentation	
	The preferred term of the overall subject	

element **Vocabulary/Subject/Preferred_Parent**

type	xs:string	
properties	isRef	0
	content	simple
annotation	documentation	
	Comma-delimited string of preferred terms showing the sequence of parents in the preferred subject hierarchy	

element **Vocabulary/Subject/Subject_ID**

type	xs:integer	
properties	isRef	0
	content	simple
annotation	documentation	
	Unique identifier for a subject record	

element **Vocabulary/Subject/Term**

type	xs:string	
properties	isRef	0
	minOcc	1
	maxOcc	unbounded
	content	simple
annotation	documentation	
	Term other than the preferred term matching the search criteria	

B.3 Schema **AATGetSubject.xsd**

schema location: <http://vocabsservices.getty.edu/Schemas/AAT/AATGetSubject.xsd>
attribute form default: **unqualified**
element form default: **qualified**

Elements	Complex types	Simple types
Vocabulary	ParentType	Geog Date
	RevisionType	Historic Flag Value
	SourceType	Historical Date
	TermType	Merged Status Value

element **Vocabulary**

properties	content complex
------------	-----------------

element **Vocabulary/Subject**

properties	isRef 0 minOcc 1 maxOcc unbounded content complex
attributes	Name Type Use Default Fixed annotation Subject ID xs:integer required documentation Unique identification number of an AAT record

attribute **Vocabulary/Subject/@Subject_ID**

type	xs:integer
properties	isRef 0 use required
annotation	documentation Unique identification number of an AAT record

element **Vocabulary/Subject/Associative_Relationships**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	--

element **Vocabulary/Subject/Associative_Relationships/Associative_Relationship**

properties	isRef 0 minOcc 0 maxOcc unbounded content complex
------------	--

element **Vocabulary/Subject/Associative_Relationships/Associative_Relationship/AR_Date**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	--

element **Vocabulary/Subject/Associative_Relationships/Associative_Relationship/AR_Date/Display**

_Date

type	xs:string
properties	isRef 0 content simple
annotation	documentation Label for relationship date information

element

Vocabulary/Subject/Associative_Relationships/Associative_Relationship/AR_Date/Start_Date

type	Geog_Date
properties	isRef 0 content simple
annotation	documentation Historical start date of relationship

element

Vocabulary/Subject/Associative_Relationships/Associative_Relationship/AR_Date/End_Date

type	Geog_Date
properties	isRef 0 content simple
annotation	documentation Historical end date of relationship

element

Vocabulary/Subject/Associative_Relationships/Associative_Relationship/Description

type	xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple
annotation	documentation Additional relationship information

element

Vocabulary/Subject/Associative_Relationships/Associative_Relationship/Historic_Flag

type	Historic_Flag_Value
properties	isRef 0 minOcc 0 maxOcc 1 content simple default Current
facets	Kind enumeration Value annotation enumeration Both enumeration Current enumeration Historical enumeration N/A enumeration Undetermined
annotation	documentation Flag indicating the historical status of the relationship

element

Vocabulary/Subject/Associative_Relationships/Associative_Relationship/Relationship_Type

type	xs:string		
properties	isRef	0	
	content	simple	
annotation	documentation Relationship type description		

element

Vocabulary/Subject/Associative_Relationships/Associative_Relationship/Related_Subject_ID

properties	isRef	0	
	content	complex	

element

Vocabulary/Subject/Associative_Relationships/Associative_Relationship/Related_Subject_ID/VP_Subject_ID

type	xs:integer		
properties	isRef	0	
	content	simple	
annotation	documentation The Getty Vocabulary ID number of related subject in the associative relationship		

element

Vocabulary/Subject/Associative_Relationships/Associative_Relationship/Related_Subject_ID/Contrib_Subject_ID

type	xs:string		
properties	isRef	0	
	content	simple	
annotation	documentation Contributor system ID number of related subject in the associative relationship		

element **Vocabulary/Subject/Descriptive_Notes**

properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	complex	

element **Vocabulary/Subject/Descriptive_Notes/Descriptive_Note**

properties	isRef	0	
	minOcc	0	
	maxOcc	unbounded	
	content	complex	

element **Vocabulary/Subject/Descriptive_Notes/Descriptive_Note/Note_Text**

type	xs:string		
------	------------------	--	--

properties	isRef 0 content simple
annotation	documentation Subject descriptive note

element **Vocabulary/Subject/Descriptive_Notes/Descriptive_Note/Note_Language**

type	xs:string
properties	isRef 0 content simple

element **Vocabulary/Subject/Descriptive_Notes/Descriptive_Note/Note_Contributors**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	--

element

Vocabulary/Subject/Descriptive_Notes/Descriptive_Note/Note_Contributors/Note_Contributor

properties	isRef 0 minOcc 0 maxOcc unbounded content complex
------------	--

element

Vocabulary/Subject/Descriptive_Notes/Descriptive_Note/Note_Contributors/Note_Contributor/Contributor_id

type	xs:string
properties	isRef 0 content simple
annotation	documentation A combination of the unique identifier and brief description separated by a forward slash ('/') for a particular contributor to the AAT

element **Vocabulary/Subject/Descriptive_Notes/Descriptive_Note/Note_Sources**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	--

element

Vocabulary/Subject/Descriptive_Notes/Descriptive_Note/Note_Sources/Note_Source

properties	isRef 0 minOcc 0 maxOcc unbounded content complex
------------	--

element

Vocabulary/Subject/Descriptive_Notes/Descriptive_Note/Note_Sources/Note_Source/Source

type	SourceType		
properties	isRef	0	
	content	complex	

element

Vocabulary/Subject/Descriptive_Notes/Descriptive_Note/Note_Sources/Note_Source/Page

type	xs:string		
properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	simple	
annotation	documentation Free text entry field for information relating to Source-to-note relationship		

element **Vocabulary/Subject/Facet_Code**

type	xs:string		
properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	simple	
annotation	documentation Facet code		

element **Vocabulary/Subject/Merged_Status**

type	Merged_Status_Value		
properties	isRef	0	
	content	simple	
facets	Kind	Value	annotation
	enumeration	Merged	
	enumeration	Not Merged	
annotation	documentation Indicates whether or not the subject contains merged subject IDs		

element **Vocabulary/Subject/Parent_Relationships**

properties	isRef	0	
	content	complex	

element **Vocabulary/Subject/Parent_Relationships/Preferred_Parent**

type	ParentType		
properties	isRef	0	
	content	complex	

element **Vocabulary/Subject/Parent_Relationships/Non-Preferred_Parent**

type	ParentType		
------	----------------------------	--	--

properties	isRef	0
	minOcc	0
	maxOcc	unbounded
	content	complex

element **Vocabulary/Subject/Record_Type**

type	restriction of xs:string	
properties	isRef	0
	content	simple
	default	Concept
facets	Kind	Value
	enumeration	Concept
	enumeration	Facet
	enumeration	Guide Term
	enumeration	Hierarchy Name
annotation	documentation Subject record type	

element **Vocabulary/Subject/Subject_Contributors**

properties	isRef	0
	minOcc	0
	maxOcc	1
	content	complex

element **Vocabulary/Subject/Subject_Contributors/Subject_Contributor**

properties	isRef	0
	minOcc	1
	maxOcc	unbounded
	content	complex

element **Vocabulary/Subject/Subject_Contributors/Subject_Contributor/Contributor_id**

type	xs:string	
properties	isRef	0
	content	simple
annotation	documentation A combination of the unique identifier and brief description separated by a forward slash ('/') for a particular contributor to the AAT	

element **Vocabulary/Subject/Subject_Sources**

properties	isRef	0
	minOcc	0
	maxOcc	1
	content	complex

element **Vocabulary/Subject/Subject_Sources/Subject_Source**

properties	isRef	0
	minOcc	1
	maxOcc	unbounded
	content	complex

element **Vocabulary/Subject/Subject_Sources/Subject_Source/Source**

type	SourceType		
properties	isRef	0	
	content	complex	

element **Vocabulary/Subject/Subject_Sources/Subject_Source/Page**

type	xs:string		
properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	simple	
annotation	documentation Free text entry field for information relating to subject-to-source relationship		

element **Vocabulary/Subject/Terms**

properties	isRef	0	
	content	complex	
annotation	documentation There can be one and only one preferred term, but zero to many non-preferred terms.		

element **Vocabulary/Subject/Terms/Preferred_Term**

type	TermType		
properties	isRef	0	
	content	complex	

element **Vocabulary/Subject/Terms/Non-Preferred_Term**

type	TermType		
properties	isRef	0	
	minOcc	0	
	maxOcc	unbounded	
	content	complex	

complexType **ParentType**

element **ParentType/Parent_Subject_ID**

type	xs:integer		
properties	isRef	0	
	content	simple	
annotation	documentation Unique ID number of parent record		

element **ParentType/Relationship_Type**

type	restriction of xs:string		
properties	isRef	0	
	content	simple	
facets	Kind	Value	annotation
	enumeration	Parent/Child	

annotation	documentation Relationship type (only parent/child currently available)
------------	--

element **ParentType/Historic_Flag**

type	restriction of xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple
facets	Kind Value annotation enumeration Current enumeration Historical enumeration Both enumeration N/A enumeration Undetermined enumeration Whole/Part-BTP enumeration Genus/Species-BTG enumeration Instance-BTI
annotation	documentation Flag indicating the historical status of the parent/child relationship

element **ParentType/Parent_String**

type	xs:string
properties	isRef 0 content simple
annotation	documentation Comma-delimited string of preferred terms showing the sequence of parents in the preferred subject hierarchy

element **ParentType/Parent_Date**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	--

element **ParentType/Parent_Date/Display_Date**

type	xs:string
properties	isRef 0 content simple
annotation	documentation Label for relationship date information

element **ParentType/Parent_Date/Start_Date**

type	Geog_Date
properties	isRef 0 content simple
annotation	documentation Historical start date of parent/child relationship

element **ParentType/Parent_Date/End_Date**

type	Geog_Date
properties	isRef 0 content simple
annotation	documentation Historical end date of parent/child relationship

element **ParentType/Hier_Rel_Type**

type	restriction of xs:string
properties	isRef 0 content simple
facets	Kind Value annotation enumeration Whole/Part-BTP enumeration Genus/Species-BTG enumeration Instance-BTI
annotation	documentation Hierarchical Relationship Type

complexType **RevisionType**

annotation	documentation Set of values to identify a revision event
------------	---

element **RevisionType/Revision_ID**

type	xs:unsignedLong
properties	isRef 0 content simple

element **RevisionType/Aspect**

type	restriction of xs:string
properties	isRef 0 content simple
facets	Kind Value annotation enumeration subject enumeration scope note enumeration Term enumeration Associative Relationships

element **RevisionType/Action**

type	xs:string
properties	isRef 0 content simple

element **RevisionType/User_Name**

type	xs:string
------	------------------

properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple

element **RevisionType/Date**

type	xs:string	
properties	isRef	0
	content	simple

element **RevisionType/Note**

type	xs:string	
properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple

complexType **SourceType**

annotation	documentation Set of values to reference a bibliographic source
------------	--

element **SourceType/Source_ID**

type	xs:string	
properties	isRef	0
	content	simple
annotation	documentation A combination of the unique identifier and brief description separated by a forward slash ("/") for a source in the AAT	

complexType **TermType**

annotation	documentation Term block for the Terms element
------------	---

element **TermType/AACR2_Flag**

type	restriction of xs:string	
properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple
	default	N/A
facets	Kind	Value annotation
	enumeration	N/A
	enumeration	Yes
annotation	documentation Flag to indicate when a ULAN record is a AACR2 record	

element **TermType/Display_Name**

type	restriction of xs:string	
------	---------------------------------	--

properties	isRef 0 minOcc 0 maxOcc 1 content simple
facets	Kind Value annotation enumeration Yes enumeration No enumeration N/A enumeration Index
annotation	documentation Label for term date information

element **TermType/Display_Order**

type	xs:unsignedShort
properties	isRef 0 minOcc 0 maxOcc 1 content simple default 0
annotation	documentation Order number of the term in relation to the other terms of a subject record

element **TermType/Historic_Flag**

type	restriction of xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple default Current
facets	Kind Value annotation enumeration Both enumeration Current enumeration Historical enumeration N/A enumeration Undetermined
annotation	documentation Flag indicating the historical status of the term

element **TermType/Term_Languages**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	--

element **TermType/Term_Languages/Term_Language**

properties	isRef 0 minOcc 1 maxOcc unbounded content complex
------------	--

element **TermType/Term_Languages/Term_Language/Language**

type	xs:string		
properties	isRef	0	
	content	simple	

element **TermType/Term_Languages/Term_Language/Preferred**

type	restriction of xs:string		
properties	isRef	0	
	content	simple	
facets	Kind	Value	annotation
	enumeration	Preferred	
	enumeration	Non Preferred	
	enumeration	Undetermined	
annotation	documentation Flag indicating whether or not a term is preferred for a particular language		

element **TermType/Term_Languages/Term_Language/Qualifier**

type	xs:string		
properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	simple	
annotation	documentation Label to disambiguate homophones in AAT		

element **TermType/Term_Languages/Term_Language/Term_Type**

type	restriction of xs:string		
properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	simple	
facets	Kind	Value	annotation
	enumeration	Alternate Descriptor	
	enumeration	Used For Term	
	enumeration	Descriptor	

element **TermType/Term_Languages/Term_Language/Part_of_Speech**

type	restriction of xs:string		
properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	simple	
facets	Kind	Value	annotation
	enumeration	N/A	
	enumeration	Undetermined	
	enumeration	Plural Noun	
	enumeration	Singular Noun	
	enumeration	Singular and Plural Gerund	
	enumeration	Past Participle	

	enumeration	Verbal Noun
	enumeration	Noun
	enumeration	Adjectival

element **TermType/Term_Languages/Term_Language/Lang_Stat**

type	restriction of xs:string	
properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple
facets	Kind	Value annotation
	enumeration	Undetermined
	enumeration	N/A
	enumeration	Loan Term

element **TermType/Other_Flags**

type	restriction of xs:string	
properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple
	default	N/A
facets	Kind	Value annotation
	enumeration	N/A
	enumeration	Full term
	enumeration	Abbreviation
	enumeration	Neologism
	enumeration	Jargon Slang
	enumeration	Scientific term
	enumeration	Common term
annotation	documentation Extra field for holding any flags not already represented in the term table (not used in AAT)	

element **TermType/Term_Contributors**

properties	isRef	0
	minOcc	0
	maxOcc	1
	content	complex

element **TermType/Term_Contributors/Term_Contributor**

properties	isRef	0
	minOcc	1
	maxOcc	unbounded
	content	complex

element **TermType/Term_Contributors/Term_Contributor/Contributor_id**

type	xs:string	
properties	isRef	0
	content	simple

annotation	documentation A combination of the unique identifier and brief description separated by a forward slash ('/') for a particular contributor to the AAT
------------	---

element **TermType/Term_Contributors/Term_Contributor/Preferred**

type	xs:string
properties	isRef 0 content simple
annotation	documentation Indicates whether or not a term is preferred by a particular contributor

element **TermType/Term_Date**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	--

element **TermType/Term_Date/Display_Date**

type	xs:string
properties	isRef 0 content simple
annotation	documentation Label for term date information

element **TermType/Term_Date/Start_Date**

type	Historical Date
properties	isRef 0 content simple
annotation	documentation Historical start date of term use

element **TermType/Term_Date/End_Date**

type	Historical Date
properties	isRef 0 content simple
annotation	documentation Historical end date of term use

element **TermType/Term_ID**

type	xs:integer
properties	isRef 0 content simple
annotation	documentation Integer value identifying a unique term record

element **TermType/Term_Sources**

properties	isRef 0 minOcc 0 maxOcc 1
------------	---------------------------------

	content	complex
--	---------	---------

element **TermType/Term_Sources/Term_Source**

properties	isRef	0
	minOcc	1
	maxOcc	unbounded
	content	complex

element **TermType/Term_Sources/Term_Source/Source**

type	SourceType	
properties	isRef	0
	content	complex

element **TermType/Term_Sources/Term_Source/Page**

type	xs:string	
properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple

element **TermType/Term_Sources/Term_Source/Preferred**

type	restriction of xs:string	
properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple
facets	Kind	Value annotation
	enumeration	Preferred
	enumeration	Non Preferred
	enumeration	Unknown
	enumeration	Alternate Preferred

element **TermType/Term_Text**

type	xs:string	
properties	isRef	0
	content	simple
annotation	documentation The term	

element **TermType/Vernacular**

type	restriction of xs:string	
properties	isRef	0
	content	simple
	default	Undetermined
facets	Kind	Value annotation
	enumeration	Vernacular
	enumeration	Other
	enumeration	Undetermined

annotation	documentation Flag indicating whether or not the term is the vernacular for a certain place
------------	--

simpleType **Geog_Date**

type	restriction of xs:integer
annotation	documentation Years of geographic or geologic events

simpleType **Historic_Flag_Value**

type	restriction of xs:string		
facets	Kind	Value	annotation
	enumeration	Both	
	enumeration	Current	
	enumeration	Historical	
	enumeration	N/A	
	enumeration	Undetermined	
annotation	documentation Valid historical flag values		

simpleType **Historical_Date**

type	restriction of xs:integer
annotation	documentation Years recording historical events

simpleType **Merged_Status_Value**

type	restriction of xs:string		
facets	Kind	Value	annotation
	enumeration	Merged	
	enumeration	Not Merged	
annotation	documentation Valid merged status values		

B.4 Schema **AATGetSyncSubjectID.xsd**

schema location: <http://vocabsservices.getty.edu/Schemas/AAT/AATGetSyncSubjectID.xsd>
 attribute form default: **unqualified**
 element form default: **qualified**

Elements
[Vocabulary](#)

element **Vocabulary**
 properties content complex

element **Vocabulary/Current_Subject_ID**

type	xs:integer	
properties	isRef	0
	content	simple
annotation	documentation	
	Current unique identifier for a given subject ID - takes into account whether or not a record has been merged	

B.5 Schema **AATGetMergedSubjectID.xsd**

schema location: <http://vocabsservices.getty.edu/Schemas/AAT/AATGetMergedSubjectID.xsd>
attribute form default: **unqualified**
element form default: **qualified**

Elements	Complex types
Vocabulary	Merged_SubjectType

element **Vocabulary**

properties	content	complex
------------	---------	---------

element **Vocabulary/Merge_Count**

type	xs:integer	
properties	isRef	0
	content	simple
annotation	documentation	
	Count of the number of records merged for a given date range	

element **Vocabulary/Merged_Subjects**

properties	isRef	0
	content	complex

element **Vocabulary/Merged_Subjects/Merged_Subject**

type	Merged_SubjectType	
properties	isRef	0
	minOcc	1
	maxOcc	unbounded
	content	complex

complexType **Merged_SubjectType**

element **Merged_SubjectType/Previous_Subject_id**

type	xs:integer	
properties	isRef	0
	content	simple
annotation	documentation	
	Unique identifier of a subject record before being merged	

element **Merged_SubjectType/New_Subject_id**

type	xs:integer		
properties	isRef	0	
	content	simple	
annotation	documentation		
	Unique identifier of a subject record after being merged or the ID of the dominant record involved in a merge		

element **Merged_SubjectType/Merge_Date**

type	xs:dateTime	
properties	isRef	0
	content	simple
annotation	documentation	
	Date and time of the merge action	

B.6 Schema **AATGetParents.xsd**

schema location: [Http://vocabsservices.getty.edu/Schemas/AAT/AATGetParents.xsd](http://vocabsservices.getty.edu/Schemas/AAT/AATGetParents.xsd)
 attribute form default: **unqualified**
 element form default: **qualified**

Elements [Vocabulary](#) Complex types [ParentType](#) Simple types [Geog Date](#)

element **Vocabulary**

properties	content	complex
------------	---------	---------

element **Vocabulary/Subject**

properties	isRef	0				
	content	complex				
attributes	Name	Type	Use	Default	Fixed	annotation documentation Unique identification number of an AAT record
	Subject_ID	xs:integer	required			

attribute **Vocabulary/Subject/@Subject_ID**

type	xs:integer					
properties	isRef	0				
	use	required				
annotation	documentation					
	Unique identification number of an AAT record					

element **Vocabulary/Subject/Parent_Relationships**

properties	isRef	0				
	content	complex				

element **Vocabulary/Subject/Parent_Relationships/Preferred_Parent**

type	ParentType		
properties	isRef	0	
	content	complex	

element **Vocabulary/Subject/Parent_Relationships/Non-Preferred_Parent**

type	ParentType		
properties	isRef	0	
	minOcc	0	
	maxOcc	unbounded	
	content	complex	

complexType **ParentType**

element **ParentType/Parent_Subject_ID**

type	xs:integer		
properties	isRef	0	
	content	simple	
annotation	documentation Unique ID number of parent record		

element **ParentType/Relationship_Type**

type	restriction of xs:string		
properties	isRef	0	
	content	simple	
facets	Kind	Value	annotation
	enumeration	Parent/Child	
annotation	documentation Relationship type (only parent/child currently available)		

element **ParentType/Historic_Flag**

type	restriction of xs:string		
properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	simple	
facets	Kind	Value	annotation
	enumeration	Current	
	enumeration	Historical	
	enumeration	Both	
	enumeration	N/A	
	enumeration	Undetermined	
annotation	documentation Flag indicating the historical status of the parent/child relationship		

element **ParentType/Parent_String**

type	xs:string
properties	isRef 0 content simple
annotation	documentation Comma-delimited string of preferred terms showing the sequence of parents in the preferred subject hierarchy

element **ParentType/Parent_Date**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	--

element **ParentType/Parent_Date/Display_Date**

type	xs:string
properties	isRef 0 content simple
annotation	documentation Label for relationship date information

element **ParentType/Parent_Date/Start_Date**

type	Geog_Date
properties	isRef 0 content simple
annotation	documentation Historical start date of parent/child relationship

element **ParentType/Parent_Date/End_Date**

type	Geog_Date
properties	isRef 0 content simple
annotation	documentation Historical end date of parent/child relationship

element **ParentType/Hier_Rel_Type**

type	restriction of xs:string
properties	isRef 0 content simple
facets	Kind Value annotation enumeration Whole/Part-BTP enumeration Genus/Species-BTG enumeration Instance-BTI
annotation	documentation Hierarchical Relationship Type

simpleType **Geog_Date**

type	restriction of xs:integer
------	----------------------------------

annotation	documentation Years of geographic or geologic events
------------	---

B.7 Schema AATGetChildren.xsd

schema location: <http://vocabsservices.getty.edu/Schemas/AAT/AATGetChildren.xsd>
 attribute form default: **unqualified**
 element form default: **qualified**

Elements Complex types
[Vocabulary](#) [ChildType](#)

element Vocabulary

properties	content complex
------------	--------------------

element Vocabulary/Subject

properties	isRef 0 content complex
attributes	Name Type Use required Default Fixed annotation documentation Unique identification number of an AAT record Subject_ID

attribute Vocabulary/Subject/@Subject_ID

properties	isRef 0 use required
annotation	documentation Unique identification number of an AAT record

element Vocabulary/Subject/Child_Relationships

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	---

element Vocabulary/Subject/Child_Relationships/Preferred_Child

type	ChildType
properties	isRef 0 minOcc 0 maxOcc unbounded content complex

element Vocabulary/Subject/Child_Relationships/Non-Preferred_Child

type	ChildType
------	---------------------------

properties	isRef 0 minOcc 0 maxOcc unbounded content complex
------------	--

complexType **ChildType**

element **ChildType/Child_Subject_ID**

type	xs:integer
properties	isRef 0 content simple
annotation	documentation Unique ID number of child record

element **ChildType/Preferred_Term**

type	xs:string
properties	isRef 0 content simple
annotation	documentation Preferred term for this subject

element **ChildType/Historic_Flag**

type	restriction of xs:string
properties	isRef 0 content simple
facets	Kind enumeration Value Current annotation enumeration Historical enumeration Both enumeration N/A enumeration Undetermined
annotation	documentation Flag indicating the historical status of the parent/child relationship

element **ChildType/Display_Date**

type	xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple
annotation	documentation Label for relationship date information

element **ChildType/Hier_Rel_Type**

type	restriction of xs:string
properties	isRef 0 content simple
facets	Kind enumeration Value annotation

	enumeration Whole/Part-BTP enumeration Genus/Species-BTG enumeration Instance-BTI
annotation	documentation Hierarchical Relationship Type

B.8 Schema AATGetRevisionHistory.xsd

schema location: <http://vocabsservices.getty.edu/Schemas/AAT/AATGetRevisionHistory.xsd>
attribute form default: **unqualified**
element form default: **qualified**

Elements [Vocabulary](#)
Complex types [RevisionType](#)

element Vocabulary

properties content complex

element Vocabulary/Record_Count

properties isRef 0
annotation documentation
Count of the number of edits done for a given action and date range

element Vocabulary/Revision_History_Records

properties isRef 0
content complex

element Vocabulary/Revision_History_Records/Revision_History_Record

type [RevisionType](#)
properties isRef 0
minOcc 1
maxOcc unbounded
content complex

complexType RevisionType

element RevisionType/Subject_id

type xs:integer
properties isRef 0
content simple
annotation documentation
Unique identifier of the subject where the edit action was applied

element RevisionType/Record_Type

type restriction of xs:string
properties isRef 0
content simple

facets	enumeration	Term
	enumeration	Note
	enumeration	Subject
	documentation	
annotation	Indicates if the action was applied to the overall subject, note or term	

element **RevisionType/Action**

type	restriction of xs:string	
properties	isRef	0
	content	simple
facets	enumeration	added
	enumeration	created
	enumeration	updated
	enumeration	moved
	enumeration	deleted
annotation	documentation	
	Description of the action performed	

element **RevisionType/Date_Time**

type	xs:dateTime	
properties	isRef	0
	content	simple
annotation	documentation	
	Date and time of the action	

element **RevisionType/Public_Note**

type	xs:string	
properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple
annotation	documentation	
	Additional information related the the edit action	

Appendix C: AAT Programming Interface Examples

C.1 ULANGetSubjectTerms

Return termID and all terms based on subjectID

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /ULANService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://vocabsservices.getty.edu/ULANGetSubjectTerms"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ULANGetSubjectTerms xmlns="http://vocabsservices.getty.edu/">
      <subjectID>string</subjectID>
    </ULANGetSubjectTerms>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ULANGetSubjectTermsResponse
xmlns="http://vocabsservices.getty.edu/">
      <ULANGetSubjectTermsResult>xml</ULANGetSubjectTermsResult>
    </ULANGetSubjectTermsResponse>
  </soap:Body>
</soap:Envelope>
```

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /ULANService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
```

```

    <soap12:Body>
      <ULANGetSubjectTerms xmlns="http://vocabsservices.getty.edu/">
        <subjectID>string</subjectID>
      </ULANGetSubjectTerms>
    </soap12:Body>
  </soap12:Envelope>
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <ULANGetSubjectTermsResponse
xmlns="http://vocabsservices.getty.edu/">
      <ULANGetSubjectTermsResult>xml</ULANGetSubjectTermsResult>
    </ULANGetSubjectTermsResponse>
  </soap12:Body>
</soap12:Envelope>

```

HTTP GET

The following is a sample HTTP GET request and response. The **placeholders** shown need to be replaced with actual values.

```

GET /ULANService.asmx/ULANGetSubjectTerms?subjectID=string HTTP/1.1
Host: vocabsservices.getty.edu
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0"?>
xml

```

HTTP POST

The following is a sample HTTP POST request and response. The **placeholders** shown need to be replaced with actual values.

```

POST /ULANService.asmx/ULANGetSubjectTerms HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/x-www-form-urlencoded
Content-Length: length

subjectID=string
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0"?>
xml

```

C.2 ULANGetTermMatch

Return result count, preferred term and matching terms

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /ULANService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://vocabsservices.getty.edu/ULANGetTermMatch"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ULANGetTermMatch xmlns="http://vocabsservices.getty.edu/">
      <name>string</name>
      <roleid>string</roleid>
      <nationid>string</nationid>
    </ULANGetTermMatch>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ULANGetTermMatchResponse xmlns="http://vocabsservices.getty.edu/">
      <ULANGetTermMatchResult>xml</ULANGetTermMatchResult>
    </ULANGetTermMatchResponse>
  </soap:Body>
</soap:Envelope>
```

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /ULANService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <ULANGetTermMatch xmlns="http://vocabsservices.getty.edu/">
      <name>string</name>
      <roleid>string</roleid>
      <nationid>string</nationid>
    </ULANGetTermMatch>
  </soap12:Body>
</soap12:Envelope>
```

```

    </soap12:Body>
</soap12:Envelope>
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <ULANGetTermMatchResponse xmlns="http://vocabsservices.getty.edu/">
      <ULANGetTermMatchResult>xml</ULANGetTermMatchResult>
    </ULANGetTermMatchResponse>
  </soap12:Body>
</soap12:Envelope>

```

HTTP GET

The following is a sample HTTP GET request and response. The **placeholders** shown need to be replaced with actual values.

```

GET
/ULANService.asmx/ULANGetTermMatch?name=string&roleid=string&nationid=string HTTP/1.1
Host: vocabsservices.getty.edu
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0"?>
xml

```

HTTP POST

The following is a sample HTTP POST request and response. The **placeholders** shown need to be replaced with actual values.

```

POST /ULANService.asmx/ULANGetTermMatch HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/x-www-form-urlencoded
Content-Length: length

name=string&roleid=string&nationid=string
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0"?>
xml

```

C.3 ULANGetSubject

Return all data element associated with a VCS subject

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /ULANService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: " http://vocabsservices.getty.edu/ULANGetSubject"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ULANGetSubject xmlns="http://vocabsservices.getty.edu/">
      <subjectID>string</subjectID>
    </ULANGetSubject>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ULANGetSubjectResponse xmlns="http://vocabsservices.getty.edu/">
      <ULANGetSubjectResult>xml</ULANGetSubjectResult>
    </ULANGetSubjectResponse>
  </soap:Body>
</soap:Envelope>
```

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /ULANService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <ULANGetSubject xmlns="http://vocabsservices.getty.edu/">
      <subjectID>string</subjectID>
    </ULANGetSubject>
  </soap12:Body>
</soap12:Envelope>
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <ULANGetSubjectResponse xmlns="http://vocabsservices.getty.edu/">
      <ULANGetSubjectResult>xml</ULANGetSubjectResult>
    </ULANGetSubjectResponse>
  </soap12:Body>
</soap12:Envelope>
```

HTTP GET

The following is a sample HTTP GET request and response. The **placeholders** shown need to be replaced with actual values.

```
GET /ULANService.asmx/ULANGetSubject?subjectID=string HTTP/1.1
Host: vocabsservices.getty.edu
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0"?>
xml
```

HTTP POST

The following is a sample HTTP POST request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /ULANService.asmx/ULANGetSubject HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/x-www-form-urlencoded
Content-Length: length
```

```
subjectID=string
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0"?>
xml
```

C.4 ULANGetSyncSubjectID

Return current subject ID for a given subject ID

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /ULANService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://vocabsservices.getty.edu/"
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ULANGetSyncSubjectID xmlns="http://vocabsservices.getty.edu/">
      <subjectID>string</subjectID>
    </ULANGetSyncSubjectID>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ULANGetSyncSubjectIDResponse
xmlns="http://vocabsservices.getty.edu/">
      <ULANGetSyncSubjectIDResult>xml</ULANGetSyncSubjectIDResult>
    </ULANGetSyncSubjectIDResponse>
  </soap:Body>
</soap:Envelope>
```

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /ULANService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <ULANGetSyncSubjectID xmlns="http://vocabsservices.getty.edu/">
      <subjectID>string</subjectID>
    </ULANGetSyncSubjectID>
  </soap12:Body>
</soap12:Envelope>
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <ULANGetSyncSubjectIDResponse
xmlns="http://vocabsservices.getty.edu/">
```

```

        <ULANGetSyncSubjectIDResult>xml</ULANGetSyncSubjectIDResult>
    </ULANGetSyncSubjectIDResponse>
</soap12:Body>
</soap12:Envelope>

```

HTTP GET

The following is a sample HTTP GET request and response. The **placeholders** shown need to be replaced with actual values.

```

GET /ULANService.asmx/ULANGetSyncSubjectID?subjectID=string HTTP/1.1
Host: vocabsservices.getty.edu
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

```

```

<?xml version="1.0"?>
xml

```

HTTP POST

The following is a sample HTTP POST request and response. The **placeholders** shown need to be replaced with actual values.

```

POST /ULANService.asmx/ULANGetSyncSubjectID HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/x-www-form-urlencoded
Content-Length: length

```

```

subjectID=string
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

```

```

<?xml version="1.0"?>
xml

```

C.5 ULANGetMergedSubjectID

Return a list of records with old and new IDs that have been merged

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The **placeholders** shown need to be replaced with actual values.

```

POST /ULANService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://vocabsservices.getty.edu/ULANGetMergedSubjectID"

```

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
    <soap:Body>

```

```

        <ULANGetMergedSubjectID xmlns="http://vocabsservices.getty.edu/">
            <startDate>string</startDate>
            <endDate>string</endDate>
        </ULANGetMergedSubjectID>
    </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
    <soap:Body>
        <ULANGetMergedSubjectIDResponse
xmlns="http://vocabsservices.getty.edu/">
            <ULANGetMergedSubjectIDResult>xml</ULANGetMergedSubjectIDResult>
        </ULANGetMergedSubjectIDResponse>
    </soap:Body>
</soap:Envelope>

```

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The **placeholders** shown need to be replaced with actual values.

```

POST /ULANService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
    <soap12:Body>
        <ULANGetMergedSubjectID xmlns="http://vocabsservices.getty.edu/">
            <startDate>string</startDate>
            <endDate>string</endDate>
        </ULANGetMergedSubjectID>
    </soap12:Body>
</soap12:Envelope>
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
    <soap12:Body>
        <ULANGetMergedSubjectIDResponse
xmlns="http://vocabsservices.getty.edu/">
            <ULANGetMergedSubjectIDResult>xml</ULANGetMergedSubjectIDResult>
        </ULANGetMergedSubjectIDResponse>
    </soap12:Body>
</soap12:Envelope>

```

HTTP GET

The following is a sample HTTP GET request and response. The **placeholders** shown need to be replaced with actual values.

```
GET
/ULANService.asmx/ULANGetMergedSubjectID?startDate=string&endDate=string
HTTP/1.1
Host: vocabsservices.getty.edu
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0"?>
xml
```

HTTP POST

The following is a sample HTTP POST request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /ULANService.asmx/ULANGetMergedSubjectID HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/x-www-form-urlencoded
Content-Length: length

startDate=string&endDate=string
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0"?>
xml
```

C.6 ULANGetParents

Return parent hierarchy for a given subject record

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /ULANService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://vocabsservices.getty.edu/ULANGetParents"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ULANGetParents xmlns="http://vocabsservices.getty.edu/">
      <subjectID>string</subjectID>
    </ULANGetParents>
  </soap:Body>
</soap:Envelope>
```

```

    </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ULANGetParentsResponse xmlns="http://vocabsservices.getty.edu/">
      <ULANGetParentsResult>xml</ULANGetParentsResult>
    </ULANGetParentsResponse>
  </soap:Body>
</soap:Envelope>

```

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The **placeholders** shown need to be replaced with actual values.

```

POST /ULANService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <ULANGetParents xmlns="http://vocabsservices.getty.edu/">
      <subjectID>string</subjectID>
    </ULANGetParents>
  </soap12:Body>
</soap12:Envelope>
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <ULANGetParentsResponse xmlns="http://vocabsservices.getty.edu/">
      <ULANGetParentsResult>xml</ULANGetParentsResult>
    </ULANGetParentsResponse>
  </soap12:Body>
</soap12:Envelope>

```

HTTP GET

The following is a sample HTTP GET request and response. The **placeholders** shown need to be replaced with actual values.

```

GET /ULANService.asmx/ULANGetParents?subjectID=string HTTP/1.1
Host: vocabsservices.getty.edu

```

```
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0"?>
xml
```

HTTP POST

The following is a sample HTTP POST request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /ULANService.asmx/ULANGetParents HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/x-www-form-urlencoded
Content-Length: length
```

```
subjectID=string
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0"?>
xml
```

C.7 ULANGetChildren

Return all immediate children of a given subject record

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /ULANService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://vocabsservices.getty.edu/ULANGetChildren"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ULANGetChildren xmlns="http://vocabsservices.getty.edu/">
      <subjectID>string</subjectID>
    </ULANGetChildren>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
```



```
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ULANGetChildrenResponse xmlns="http://vocabsservices.getty.edu/">
      <ULANGetChildrenResult>xml</ULANGetChildrenResult>
    </ULANGetChildrenResponse>
  </soap:Body>
</soap:Envelope>
```

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /ULANService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <ULANGetChildren xmlns="http://vocabsservices.getty.edu/">
      <subjectID>string</subjectID>
    </ULANGetChildren>
  </soap12:Body>
</soap12:Envelope>
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <ULANGetChildrenResponse xmlns="http://vocabsservices.getty.edu/">
      <ULANGetChildrenResult>xml</ULANGetChildrenResult>
    </ULANGetChildrenResponse>
  </soap12:Body>
</soap12:Envelope>
```

HTTP GET

The following is a sample HTTP GET request and response. The **placeholders** shown need to be replaced with actual values.

```
GET /ULANService.asmx/ULANGetChildren?subjectID=string HTTP/1.1
Host: vocabsservices.getty.edu
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0"?>
xml
```

HTTP POST

The following is a sample HTTP POST request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /ULANService.asmx/ULANGetChildren HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/x-www-form-urlencoded
Content-Length: length
```

```
subjectID=string
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0"?>
xml
```

C.8 ULANGetRevisionHistory

Return info on edits made within certain data based on input parameter

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /ULANService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://vocabsservices.getty.edu/ULANGetRevisionHistory"
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ULANGetRevisionHistory xmlns="http://vocabsservices.getty.edu/">
      <startDate>string</startDate>
      <endDate>string</endDate>
      <param>string</param>
    </ULANGetRevisionHistory>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ULANGetRevisionHistoryResponse
xmlns="http://vocabsservices.getty.edu/">
```

```

        <ULANGetRevisionHistoryResult>xml</ULANGetRevisionHistoryResult>
    </ULANGetRevisionHistoryResponse>
</soap:Body>
</soap:Envelope>

```

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The **placeholders** shown need to be replaced with actual values.

```

POST /ULANService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
    <soap12:Body>
        <ULANGetRevisionHistory xmlns="http://vocabsservices.getty.edu/">
            <startDate>string</startDate>
            <endDate>string</endDate>
            <param>string</param>
        </ULANGetRevisionHistory>
    </soap12:Body>
</soap12:Envelope>
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
    <soap12:Body>
        <ULANGetRevisionHistoryResponse
xmlns="http://vocabsservices.getty.edu/">
            <ULANGetRevisionHistoryResult>xml</ULANGetRevisionHistoryResult>
        </ULANGetRevisionHistoryResponse>
    </soap12:Body>
</soap12:Envelope>

```

HTTP GET

The following is a sample HTTP GET request and response. The **placeholders** shown need to be replaced with actual values.

```

GET
/ULANService.asmx/ULANGetRevisionHistory?startDate=string&endDate=string&param=string HTTP/1.1
Host: vocabsservices.getty.edu
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0"?>
xml

```

HTTP POST

The following is a sample HTTP POST request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /ULANService.asmx/ULANGetRevisionHistory HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/x-www-form-urlencoded
Content-Length: length
```

```
startDate=string&endDate=string&param=string
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0"?>
xml
```

Appendix D: ULAN Data Element Descriptions

D.1 Schema **ULANGetSubjectTerms.xsd**

schema location: <http://vocabsservices.getty.edu/Schemas/ULAN/ULANGetSubjectTerms.xsd>
attribute form default: **unqualified**
element form default: **qualified**

Elements Complex types
[Vocabulary](#) [SourceType](#)
 [TermType](#)

element **Vocabulary**

properties	content complex
------------	--------------------

element **Vocabulary/Subject**

properties	isRef 0 minOcc 1 maxOcc unbounded content complex
attributes	Name Type Use Default Fixed annotation Subject_ID xs:integer required documentation Unique identification number of an ULAN record

attribute **Vocabulary/Subject/@Subject_ID**

type	xs:integer
properties	isRef 0 use required
annotation	documentation Unique identification number of an ULAN record

element **Vocabulary/Subject/Terms**

properties	isRef 0 content complex
annotation	documentation There can be one and only one preferred term, but zero to many non-preferred terms.

element **Vocabulary/Subject/Terms/Preferred_Term**

type	TermType
properties	isRef 0 content complex
annotation	documentation The term that is the preferred form for this subject record

element **Vocabulary/Subject/Terms/Non-Preferred_Term**

type	TermType		
properties	isRef	0	
	minOcc	0	
	maxOcc	unbounded	
	content	complex	

complexType **SourceType**

annotation	documentation Set of values to reference a bibliographic source
------------	--

element **SourceType/Source_ID**

type	xs:string		
properties	isRef	0	
	content	simple	
annotation	documentation A combination of the unique identifier and brief description separated by a forward slash ('/') for a source in the AAT		

complexType **TermType**

annotation	documentation Term block for the Terms element
------------	---

element **TermType/Term_Languages**

properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	complex	

element **TermType/Term_Languages/Term_Language**

properties	isRef	0	
	minOcc	1	
	maxOcc	unbounded	
	content	complex	

element **TermType/Term_Languages/Term_Language/Language**

type	xs:string		
properties	isRef	0	
	content	simple	

element **TermType/Term_Languages/Term_Language/Preferred**

type	restriction of xs:string		
properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	simple	
facets	Kind	Value	annotation

	enumeration Preferred
	enumeration Non Preferred
	enumeration Undetermined
annotation	documentation Flag indicating whether or not a term is preferred for a particular language

element **TermType/Term_Languages/Term_Language/Qualifier**

type	xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple
annotation	documentation Label to disambiguate homophones in AAT

element **TermType/Term_Languages/Term_Language/Term_Type**

type	restriction of xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple
facets	Kind Value annotation enumeration N/A

element **TermType/Term_Languages/Term_Language/Part_of_Speech**

type	restriction of xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple
facets	Kind Value annotation enumeration N/A enumeration Undetermined

element **TermType/Term_Languages/Term_Language/Lang_Stat**

type	restriction of xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple
facets	Kind Value annotation enumeration Undetermined enumeration N/A enumeration Loan Term

element **TermType/Term_Contributors**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	--

element **TermType/Term_Contributors/Term_Contributor**

properties	isRef 0 minOcc 1 maxOcc unbounded content complex
------------	--

element **TermType/Term_Contributors/Term_Contributor/Contributor_id**

type	xs:string
properties	isRef 0 content simple
annotation	documentation A combination of the unique identifier and brief description separated by a forward slash (/) for a particular contributor to the ULAN

element **TermType/Term_Contributors/Term_Contributor/Preferred**

type	xs:string
properties	isRef 0 content simple
annotation	documentation Indicates whether or not a term is preferred by a particular contributor

element **TermType/Term_ID**

type	xs:integer
properties	isRef 0 content simple
annotation	documentation Integer value identifying a unique term record

element **TermType/Term_Sources**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	--

element **TermType/Term_Sources/Term_Source**

properties	isRef 0 minOcc 1 maxOcc unbounded content complex
------------	--

element **TermType/Term_Sources/Term_Source/Source**

type	SourceType
properties	isRef 0 content complex

element **TermType/Term_Sources/Term_Source/Page**

type	xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple
annotation	documentation Free text entry field for information relating to term-to-source relationship

element **TermType/Term_Sources/Term_Source/Preferred**

type	restriction of xs:string		
properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	simple	
facets	Kind	Value	annotation
	enumeration	Preferred	
	enumeration	Non Preferred	
	enumeration	Unknown	
	enumeration	Alternate Preferred	
annotation	documentation Flag indicating whether or not a term is preferred for a particular source		

element **TermType/Term_Text**

type	xs:string
properties	isRef 0 content simple
annotation	documentation The term

D.2 Schema **ULANGetTermMatch.xsd**

schema location: <http://vocabsservices.getty.edu/Schemas/ULAN/ULANGetTermMatch.xsd>
attribute form default: **unqualified**
element form default: **qualified**

Elements
[Vocabulary](#)

element **Vocabulary**

properties content complex

element **Vocabulary/Count**

type **xs:integer**
properties isRef 0
 content simple
annotation documentation
 The count of the number of subjects matching the search criteria

element **Vocabulary/Subject**

properties	isRef	0
	minOcc	1
	maxOcc	unbounded
	content	complex

element **Vocabulary/Subject/Preferred_Term**

type	xs:string	
properties	isRef	0
	content	simple
annotation	documentation The preferred term of the overall subject	

element **Vocabulary/Subject/Preferred_Parent**

type	xs:string	
properties	isRef	0
	content	simple
annotation	documentation Comma-delimited string of preferred terms showing the sequence of parents in the preferred subject hierarchy	

element **Vocabulary/Subject/Subject_ID**

type	xs:integer	
properties	isRef	0
	content	simple
annotation	documentation Unique identifier for a subject record	

element **Vocabulary/Subject/Term**

type	xs:string	
properties	isRef	0
	minOcc	0
	maxOcc	unbounded
	content	simple
annotation	documentation Term other than the preferred term matching the search criteria	

D.3 Schema **ULANGetSubject.xsd**

schema location: <http://vocabsservices.getty.edu/Schemas/ULAN/ULANGetSubject.xsd>
attribute form default: **unqualified**
element form default: **qualified**

Elements	Complex types	Simple types
Vocabulary	BiographyType	Geog_Date
	EventType	Historic_Flag_Value
	NationalityType	Historical_Date
	ParentType	Merged_Status_Value
	RoleType	
	SourceType	
	TermType	

element **Vocabulary**

properties	content complex
------------	-----------------

element **Vocabulary/Subject**

properties	isRef 0 minOcc 1 maxOcc unbounded content complex
attributes	Name Type Use Default Fixed annotation Subject ID xs:integer required documentation Unique identification number of an ULAN record

attribute **Vocabulary/Subject/@Subject_ID**

type	xs:integer
properties	isRef 0 use required
annotation	documentation Unique identification number of an ULAN record

element **Vocabulary/Subject/Associative_Relationships**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	--

element **Vocabulary/Subject/Associative_Relationships/Associative_Relationship**

properties	isRef 0 minOcc 0 maxOcc unbounded content complex
------------	--

element **Vocabulary/Subject/Associative_Relationships/Associative_Relationship/AR_Date**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	--

element

Vocabulary/Subject/Associative_Relationships/Associative_Relationship/AR_Date/Display_Date

type	xs:string
properties	isRef 0 content simple
annotation	documentation Label for relationship date information

element

Vocabulary/Subject/Associative_Relationships/Associative_Relationship/AR_Date/Start_Date

type	Geog_Date
properties	isRef 0 content simple
annotation	documentation Historical start date of relationship

element

Vocabulary/Subject/Associative_Relationships/Associative_Relationship/AR_Date/End_Date

type	Geog_Date
properties	isRef 0 content simple
annotation	documentation Historical end date of relationship

element

Vocabulary/Subject/Associative_Relationships/Associative_Relationship/Description

type	xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple
annotation	documentation Additional relationship information

element

Vocabulary/Subject/Associative_Relationships/Associative_Relationship/Historic_Flag

type	Historic_Flag_Value
properties	isRef 0 minOcc 0 maxOcc 1 content simple default Current
facets	Kind Value annotation enumeration Both enumeration Current enumeration Historical enumeration N/A enumeration Undetermined
annotation	documentation Flag indicating the historical status of the relationship

element

Vocabulary/Subject/Associative_Relationships/Associative_Relationship/Relationship_Type

type	xs:string
properties	isRef 0 content simple
annotation	documentation Relationship type description

element

Vocabulary/Subject/Associative_Relationships/Associative_Relationship/Related_Subject_ID

properties	isRef 0 content complex
------------	----------------------------

element

Vocabulary/Subject/Associative_Relationships/Associative_Relationship/Related_Subject_ID/VP_Subject_ID

type	xs:integer
properties	isRef 0 content simple
annotation	documentation The Getty Vocabulary ID number of related subject in the associative relationship

element

Vocabulary/Subject/Associative_Relationships/Associative_Relationship/Related_Subject_ID/Contrib_Subject_ID

type	xs:string
properties	isRef 0 content simple
annotation	documentation Contributor system ID number of related subject in the associative relationship

element **Vocabulary/Subject/Descriptive_Notes**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	--

element **Vocabulary/Subject/Descriptive_Notes/Descriptive_Note**

properties	isRef 0 minOcc 0 maxOcc unbounded content complex
------------	--

element **Vocabulary/Subject/Descriptive_Notes/Descriptive_Note/Note_Text**

type	xs:string
properties	isRef 0 content simple

annotation	documentation Subject descriptive note
------------	---

element **Vocabulary/Subject/Descriptive_Notes/Descriptive_Note/Note_Language**

type	xs:string
properties	isRef 0 content simple

element **Vocabulary/Subject/Descriptive_Notes/Descriptive_Note/Note_Contributors**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	--

element
Vocabulary/Subject/Descriptive_Notes/Descriptive_Note/Note_Contributors/Note_Contributor

properties	isRef 0 minOcc 0 maxOcc unbounded content complex
------------	--

element
Vocabulary/Subject/Descriptive_Notes/Descriptive_Note/Note_Contributors/Note_Contributor/Contributor_id

type	xs:string
properties	isRef 0 content simple
annotation	documentation A combination of the unique identifier and brief description separated by a forward slash ('/') for a particular contributor to the ULAN

element **Vocabulary/Subject/Descriptive_Notes/Descriptive_Note/Note_Sources**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	--

element
Vocabulary/Subject/Descriptive_Notes/Descriptive_Note/Note_Sources/Note_Source

properties	isRef 0 minOcc 0 maxOcc unbounded content complex
------------	--

element
Vocabulary/Subject/Descriptive_Notes/Descriptive_Note/Note_Sources/Note_Source/Source

type	<u>SourceType</u>
------	-----------------------------------

properties	isRef 0 content complex
------------	----------------------------

element

Vocabulary/Subject/Descriptive_Notes/Descriptive_Note/Note_Sources/Note_Source/Page

type	xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple
annotation	documentation Free text entry field for information relating to Source-to-note relationship

element **Vocabulary/Subject/Facet_Code**

type	xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple
annotation	documentation Facet code

element **Vocabulary/Subject/Merged_Status**

type	Merged_Status_Value
properties	isRef 0 content simple
facets	Kind Value annotation enumeration Merged enumeration Not Merged
annotation	documentation Indicates whether or not the subject contains merged subject IDs

element **Vocabulary/Subject/Parent_Relationships**

properties	isRef 0 content complex
------------	----------------------------

element **Vocabulary/Subject/Parent_Relationships/Preferred_Parent**

type	ParentType
properties	isRef 0 content complex

element **Vocabulary/Subject/Parent_Relationships/Non-Preferred_Parent**

type	ParentType
properties	isRef 0 minOcc 0 maxOcc unbounded content complex

element **Vocabulary/Subject/Record_Type**

type	restriction of xs:string		
properties	isRef	0	
	content	simple	
facets	Kind	Value	annotation
	enumeration	Person	
	enumeration	Corporate Body	
	enumeration	Facet	
	enumeration	Guide Term	
annotation	documentation Subject record type		

element **Vocabulary/Subject/Subject_Contributors**

properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	complex	

element **Vocabulary/Subject/Subject_Contributors/Subject_Contributor**

properties	isRef	0	
	minOcc	1	
	maxOcc	unbounded	
	content	complex	

element **Vocabulary/Subject/Subject_Contributors/Subject_Contributor/Contributor_id**

type	xs:string		
properties	isRef	0	
	content	simple	
annotation	documentation A combination of the unique identifier and brief description separated by a forward slash ('/') for a particular contributor to the ULAN		

element **Vocabulary/Subject/Subject_Sources**

properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	complex	

element **Vocabulary/Subject/Subject_Sources/Subject_Source**

properties	isRef	0	
	minOcc	1	
	maxOcc	unbounded	
	content	complex	

element **Vocabulary/Subject/Subject_Sources/Subject_Source/Source**

type	<u>SourceType</u>		
properties	isRef	0	
	content	complex	

element **Vocabulary/Subject/Subject_Sources/Subject_Source/Page**

type	xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple
annotation	documentation Free text entry field for information relating to subject-to-source relationship

element **Vocabulary/Subject/Terms**

properties	isRef 0 content complex
annotation	documentation There can be one and only one preferred term, but zero to many non-preferred terms.

element **Vocabulary/Subject/Terms/Preferred_Term**

type	TermType
properties	isRef 0 content complex

element **Vocabulary/Subject/Terms/Non-Preferred_Term**

type	TermType
properties	isRef 0 minOcc 0 maxOcc unbounded content complex

element **Vocabulary/Subject/Biographies**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	--

element **Vocabulary/Subject/Biographies/Preferred_Biography**

type	BiographyType
properties	isRef 0 content complex

element **Vocabulary/Subject/Biographies/Non-Preferred_Biography**

type	BiographyType
properties	isRef 0 minOcc 0 maxOcc unbounded content complex

element **Vocabulary/Subject/Roles**

properties	isRef 0 content complex
------------	----------------------------

element **Vocabulary/Subject/Roles/Preferred_Role**

type	RoleType		
properties	isRef	0	
	content	complex	

element **Vocabulary/Subject/Roles/Non-Preferred_Role**

type	RoleType		
properties	isRef	0	
	minOcc	0	
	maxOcc	unbounded	
	content	complex	

element **Vocabulary/Subject/Nationalities**

properties	isRef	0	
	content	complex	

element **Vocabulary/Subject/Nationalities/Preferred_Nationality**

type	NationalityType		
properties	isRef	0	
	content	complex	

element **Vocabulary/Subject/Nationalities/Non-Preferred_Nationality**

type	NationalityType		
properties	isRef	0	
	minOcc	0	
	maxOcc	unbounded	
	content	complex	

element **Vocabulary/Subject/Events**

properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	complex	

element **Vocabulary/Subject/Events/Preferred_Event**

type	EventType		
properties	isRef	0	
	content	complex	

element **Vocabulary/Subject/Events/Non-Preferred_Event**

type	EventType		
properties	isRef	0	
	minOcc	0	
	maxOcc	unbounded	
	content	complex	

complexType BiographyType

annotation	documentation Biography type for the Biographies element
------------	---

element BiographyType/Biography_ID

type	xs:long
properties	isRef 0 content simple
annotation	documentation Unique ID for biography record

element BiographyType/Biography_Text

type	xs:string
properties	isRef 0 content simple
annotation	documentation Textual description of artist biography

element BiographyType/Birth_Place

type	xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple
annotation	documentation Textual description including place type of artist birth place

element BiographyType/Birth_Date

type	xs:integer
properties	isRef 0 minOcc 0 maxOcc 1 content simple
annotation	documentation Year artist was born

element BiographyType/Death_Place

type	xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple
annotation	documentation Textual description including place type of artist death place

element BiographyType/Death_Date

type	xs:integer
------	------------

properties	isRef 0 minOcc 0 maxOcc 1 content simple
annotation	documentation Year of artist death

element **BiographyType/Sex**

type	restriction of xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple
facets	Kind Value annotation enumeration Male enumeration Female enumeration Other enumeration Unknown enumeration N/A
annotation	documentation Arist gender identification

complexType **EventType**

annotation	documentation Event type for the Events element
------------	--

element **EventType/Event_ID**

type	xs:string
properties	isRef 0 content simple default -1
annotation	documentation Combination of unique event identifier and textual description separated by a forward slash ('/')

element **EventType/Display_Order**

type	xs:unsignedShort
properties	isRef 0 content simple
annotation	documentation Numerical order number for events

element **EventType/Place**

type	xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple
annotation	documentation Textual description including place type of event place

element **EventType/Event_Date**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	--

element **EventType/Event_Date/Display_Date**

type	xs:string
properties	isRef 0 content simple
annotation	documentation Label for event date information

element **EventType/Event_Date/Start_Date**

type	Historical Date
properties	isRef 0 content simple
annotation	documentation Historical start date of event

element **EventType/Event_Date/End_Date**

type	Historical Date
properties	isRef 0 content simple
annotation	documentation Historical end date of event

complexType **NationalityType**

annotation	documentation Nationality type for the Nationality element
------------	---

element **NationalityType/Nationality_Code**

type	xs:string
properties	isRef 0 content simple
annotation	documentation Combination of unique nationality ID and textual description separated by a forward slash (/)

element **NationalityType/Display_Order**

type	xs:unsignedShort
properties	isRef 0 content simple
annotation	documentation Numerical nationality order

complexType **ParentType**

element **ParentType/Parent_Subject_ID**

type	xs:integer
properties	isRef 0 content simple
annotation	documentation Unique ID number of parent record

element **ParentType/Relationship_Type**

type	restriction of xs:string
properties	isRef 0 content simple
facets	Kind Value annotation enumeration Parent/Child
annotation	documentation Relationship type (only parent/child currently available)

element **ParentType/Historic_Flag**

type	restriction of xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple
facets	Kind Value annotation enumeration Current enumeration Historical enumeration Both enumeration N/A enumeration Undetermined
annotation	documentation Flag indicating the historical status of the parent/child relationship

element **ParentType/Parent_String**

type	xs:string
properties	isRef 0 content simple
annotation	documentation Comma-delimited string of preferred terms showing the sequence of parents in the preferred subject hierarchy

element **ParentType/Parent_Date**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	--

element **ParentType/Parent_Date/Display_Date**

type	xs:string
properties	isRef 0 content simple

annotation	documentation Label for relationship date information
------------	--

element **ParentType/Parent_Date/Start_Date**

type	Geog_Date
properties	isRef 0 content simple
annotation	documentation Historical start date of parent/child relationship

element **ParentType/Parent_Date/End_Date**

type	Geog_Date
properties	isRef 0 content simple
annotation	documentation Historical end date of parent/child relationship

element **ParentType/Hier_Rel_Type**

type	restriction of xs:string
properties	isRef 0 content simple
facets	Kind Value annotation enumeration Whole/Part-BTP enumeration Genus/Species-BTG enumeration Instance-BTI
annotation	documentation Hierarchical Relationship Type

complexType **RoleType**

annotation	documentation Role type for the Roles element
------------	--

element **RoleType/Role_ID**

type	xs:string
properties	isRef 0 content simple default -1
annotation	documentation Combination numerical ID and role description separated by a forward slash ("/")

element **RoleType/Historic_Flag**

type	restriction of xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple
facets	Kind Value annotation enumeration Both enumeration Current

	enumeration Historical enumeration N/A enumeration Undetermined
annotation	documentation Flag indicating the historical status of the role

element **RoleType/Role_Date**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	--

element **RoleType/Role_Date/Display_Date**

type	xs:string
properties	isRef 0 content simple
annotation	documentation Label for role date information

element **RoleType/Role_Date/Start_Date**

type	Geog_Date
properties	isRef 0 content simple
annotation	documentation Historical start date of artist role

element **RoleType/Role_Date/End_Date**

type	Geog_Date
properties	isRef 0 content simple
annotation	documentation Historical end date of artist role

complexType **SourceType**

annotation	documentation Set of values to reference a bibliographic source
------------	--

element **SourceType/Source_ID**

type	xs:string
properties	isRef 0 content simple
annotation	documentation A combination of the unique identifier and brief description separated by a forward slash ('/') for a source in the ULAN

complexType **TermType**

annotation	documentation Term block for the Terms element
------------	---

element **TermType/AACR2_Flag**

type	restriction of xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple default N/A
facets	Kind Value annotation enumeration N/A
annotation	documentation Flag to indicate when a ULAN record is a AACR2 record

element **TermType/Display_Name**

type	restriction of xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple
facets	Kind Value annotation enumeration Yes enumeration No enumeration N/A enumeration Index
annotation	documentation Label for term date information

element **TermType/Display_Order**

type	xs:unsignedShort
properties	isRef 0 minOcc 0 maxOcc 1 content simple default 0
annotation	documentation Order number of the term in relation to the other terms of a subject record

element **TermType/Historic_Flag**

type	restriction of xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple default Current
facets	Kind Value annotation enumeration Both enumeration Current enumeration Historical enumeration N/A
annotation	documentation Flag indicating the historical status of the term

element **TermType/Term_Languages**

properties	isRef	0
	minOcc	0
	maxOcc	1
	content	complex

element **TermType/Term_Languages/Term_Language**

properties	isRef	0
	minOcc	1
	maxOcc	unbounded
	content	complex

element **TermType/Term_Languages/Term_Language/Language**

type	xs:string	
properties	isRef	0
	content	simple

element **TermType/Term_Languages/Term_Language/Preferred**

type	restriction of xs:string	
properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple
facets	Kind	Value annotation
	enumeration	Preferred
	enumeration	Non Preferred
	enumeration	Undetermined
annotation	documentation Flag indicating whether or not a term is preferred for a particular language	

element **TermType/Term_Languages/Term_Language/Qualifier**

type	xs:string	
properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple
annotation	documentation Label to disambiguate homophones in TGN	

element **TermType/Term_Languages/Term_Language/Term_Type**

type	restriction of xs:string	
properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple
facets	Kind	Value annotation
	enumeration	N/A

element **TermType/Term_Languages/Term_Language/Part_of_Speech**

type	restriction of xs:string		
properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	simple	
facets	Kind	Value	annotation
	enumeration	N/A	
	enumeration	Undetermined	

element **TermType/Term_Languages/Term_Language/Lang_Stat**

type	restriction of xs:string		
properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	simple	
facets	Kind	Value	annotation
	enumeration	Undetermined	
	enumeration	N/A	
	enumeration	Loan Term	

element **TermType/Other_Flags**

type	restriction of xs:string		
properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	simple	
	default	N/A	
facets	Kind	Value	annotation
	enumeration	N/A	
annotation	documentation Extra field for holding any flags not already represented in the term table (not used in ULAN)		

element **TermType/Term_Contributors**

properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	complex	

element **TermType/Term_Contributors/Term_Contributor**

properties	isRef	0	
	minOcc	1	
	maxOcc	unbounded	
	content	complex	

element **TermType/Term_Contributors/Term_Contributor/Contributor_id**

element	term	type	term	Contributors	term	Contributors	Contributors	id
	type	xs:string						
properties		isRef	0					
	content	simple						
annotation		documentation	A combination of the unique identifier and brief description separated by a forward slash ('/') for a					

	particular contributor to the ULAN
--	------------------------------------

element **TermType/Term_Contributors/Term_Contributor/Preferred**

type	xs:string
properties	isRef 0 content simple
annotation	documentation Indicates whether or not a term is preferred by a particular contributor

element **TermType/Term_Date**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	--

element **TermType/Term_Date/Display_Date**

type	xs:string
properties	isRef 0 content simple
annotation	documentation Label for term date information

element **TermType/Term_Date/Start_Date**

type	Historical Date
properties	isRef 0 content simple
annotation	documentation Historical start date of term use

element **TermType/Term_Date/End_Date**

type	Historical Date
properties	isRef 0 content simple
annotation	documentation Historical end date of term use

element **TermType/Term_ID**

type	xs:integer
properties	isRef 0 content simple
annotation	documentation Integer value identifying a unique term record

element **TermType/Term_Sources**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	--

element **TermType/Term_Sources/Term_Source**

properties	isRef 0 minOcc 1 maxOcc unbounded content complex
------------	--

element **TermType/Term_Sources/Term_Source/Source**

type	SourceType
properties	isRef 0 content complex

element **TermType/Term_Sources/Term_Source/Page**

type	xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple

element **TermType/Term_Sources/Term_Source/Preferred**

type	restriction of xs:string		
properties	isRef 0 minOcc 0 maxOcc 1 content simple		
facets	Kind Value annotation enumeration Preferred enumeration Non Preferred enumeration Unknown enumeration Alternate Preferred		

element **TermType/Term_Text**

type	xs:string		
properties	isRef 0 content simple		
annotation	documentation The term		

element **TermType/Vernacular**

type	restriction of xs:string		
properties	isRef 0 content simple default Undetermined		
facets	Kind Value annotation enumeration Vernacular enumeration Other enumeration Undetermined		

annotation	documentation Flag indicating whether or not the term is the vernacular for a certain place
------------	--

simpleType **Geog_Date**

type	restriction of xs:integer
annotation	documentation Years of geographic or geologic events

simpleType **Historic_Flag_Value**

type	restriction of xs:string		
facets	Kind	Value	annotation
	enumeration	Both	
	enumeration	Current	
	enumeration	Historical	
	enumeration	N/A	
	enumeration	Undetermined	
annotation	documentation		
	Valid historical flag values		

simpleType **Historical_Date**

type	restriction of xs:integer
annotation	documentation Years recording historical events

simpleType **Merged_Status_Value**

type	restriction of xs:string		
facets	Kind	Value	annotation
	enumeration	Merged	
	enumeration	Not Merged	
annotation	documentation Valid merged status values		

D.4 Schema **ULANGetSyncSubjectID.xsd**

schema location: <http://vocabsservices.getty.edu/Schemas/ULAN/ULANGetSyncSubjectID.xsd>
 attribute form default: **unqualified**
 element form default: **qualified**

Elements
[Vocabulary](#)

element **Vocabulary**

properties content complex

element **Vocabulary/Current_Subject_ID**

type	xs:integer	
properties	isRef	0
	content	simple
annotation	documentation	
	Current unique identifier for a given subject ID - takes into account whether or not a record has been merged	

D.5 Schema **ULANGetMergedSubjectID.xsd**

schema location: <http://vocabsservices.getty.edu/Schemas/ULAN/ULANGetMergedSubjectID.xsd>
attribute form default: **unqualified**
element form default: **qualified**

Elements	Complex types
Vocabulary	Merged_SubjectType

element **Vocabulary**

properties	content	complex
------------	---------	---------

element **Vocabulary/Merge_Count**

type	xs:integer	
properties	isRef	0
	content	simple
annotation	documentation	
	Count of the number of records merged for a given date range	

element **Vocabulary/Merged_Subjects**

properties	isRef	0
	content	complex

element **Vocabulary/Merged_Subjects/Merged_Subject**

type	Merged_SubjectType	
properties	isRef	0
	minOcc	1
	maxOcc	unbounded
	content	complex

complexType **Merged_SubjectType**

element **Merged_SubjectType/Previous_Subject_id**

type	xs:integer	
properties	isRef	0
	content	simple
annotation	documentation	
	Unique identifier of a subject record before being merged	

element **Merged_SubjectType/New_Subject_id**

type	xs:integer
------	-------------------

properties	isRef	0
	content	simple
annotation	documentation	
		Unique identifier of a subject record after being merged or the ID of the dominant record involved in a merge

element **Merged_SubjectType/Merge_Date**

type	xs:dateTime
properties	isRef 0 content simple
annotation	documentation Date and time of the merge action

D.6 Schema **ULANGetParents.xsd**

schema location: <http://vocabsservices.getty.edu/Schemas/ULAN/ULANGetParents.xsd>
attribute form default: **unqualified**
element form default: **qualified**

Elements Complex types Simple types
[Vocabulary](#) [ParentType](#) [Geog_Date](#)

element **Vocabulary**

properties	content complex
------------	--------------------

element **Vocabulary/Subject**

properties	isRef 0 content complex					
attributes	Name Subject_ID	Type xs:integer	Use required	Default	Fixed	annotation documentation Unique identification number of an AAT record

attribute **Vocabulary/Subject/@Subject_ID**

type	xs:integer
properties	isRef 0 use required
annotation	documentation Unique identification number of an AAT record

element **Vocabulary/Subject/Parent_Relationships**

properties	isRef 0 content complex
------------	----------------------------

element **Vocabulary/Subject/Parent_Relationships/Preferred_Parent**

type	ParentType
------	----------------------------

properties	isRef 0 content complex
------------	----------------------------

element **Vocabulary/Subject/Parent_Relationships/Non-Preferred_Parent**

type	ParentType
properties	isRef 0 minOcc 0 maxOcc unbounded content complex

complexType **ParentType**

element **ParentType/Parent_Subject_ID**

type	xs:integer
properties	isRef 0 content simple
annotation	documentation Unique ID number of parent record

element **ParentType/Relationship_Type**

type	restriction of xs:string
properties	isRef 0 content simple
facets	Kind Value annotation enumeration Parent/Child
annotation	documentation Relationship type (only parent/child currently available)

element **ParentType/Historic_Flag**

type	restriction of xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple
facets	Kind Value annotation enumeration Current enumeration Historical enumeration Both enumeration N/A enumeration Undetermined
annotation	documentation Flag indicating the historical status of the parent/child relationship

element **ParentType/Parent_String**

type	xs:string
properties	isRef 0 content simple

annotation	documentation Comma-delimited string of preferred terms showing the sequence of parents in the preferred subject hierarchy
------------	---

element **ParentType/Parent_Date**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	--

element **ParentType/Parent_Date/Display_Date**

type	xs:string
properties	isRef 0 content simple
annotation	documentation Label for relationship date information

element **ParentType/Parent_Date/Start_Date**

type	Geog_Date
properties	isRef 0 content simple
annotation	documentation Historical start date of parent/child relationship

element **ParentType/Parent_Date/End_Date**

type	Geog_Date
properties	isRef 0 content simple
annotation	documentation Historical end date of parent/child relationship

element **ParentType/Hier_Rel_Type**

type	restriction of xs:string		
properties	isRef	0	
	content	simple	
facets	Kind	Value	annotation
	enumeration	Whole/Part-BTP	
	enumeration	Genus/Species-BTG	
	enumeration	Instance-BTI	
annotation	documentation Hierarchical Relationship Type		

simpleType **Geog_Date**

type	restriction of xs:integer
annotation	documentation Years of geographic or geologic events

D.7 Schema **ULANGetChildren.xsd**

schema location: <http://vocabsservices.getty.edu/Schemas/ULAN/ULANGetChildren.xsd>
 attribute form default: **unqualified**
 element form default: **qualified**

Elements Complex types
[Vocabulary](#) [ChildType](#)

element **Vocabulary**

properties	content	complex
------------	---------	---------

element **Vocabulary/Subject**

properties	isRef	0				
	content	complex				
attributes	Name	Type	Use	Default	Fixed	annotation
	Subject_ID		required			documentation Unique identification number of an AAT record

attribute **Vocabulary/Subject/@Subject_ID**

properties	isRef	0
	use	required
annotation	documentation Unique identification number of an AAT record	

element **Vocabulary/Subject/Child_Relationships**

properties	isRef	0
	minOcc	0
	maxOcc	1
	content	complex

element **Vocabulary/Subject/Child_Relationships/Preferred_Child**

type	ChildType	
properties	isRef	0
	minOcc	0
	maxOcc	unbounded
	content	complex

element **Vocabulary/Subject/Child_Relationships/Non-Preferred_Child**

type	ChildType	
properties	isRef	0
	minOcc	0
	maxOcc	unbounded
	content	complex

complexType **ChildType**

element **ChildType/Child_Subject_ID**

type	xs:integer
properties	isRef 0 content simple
annotation	documentation Unique ID number of child record

element **ChildType/Preferred_Term**

type	xs:string
properties	isRef 0 content simple
annotation	documentation Preferred term for this subject

element **ChildType/Historic_Flag**

type	restriction of xs:string
properties	isRef 0 content simple
facets	Kind Value annotation enumeration Current enumeration Historical enumeration Both enumeration N/A enumeration Undetermined
annotation	documentation Flag indicating the historical status of the parent/child relationship

element **ChildType/Display_Date**

type	xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple
annotation	documentation Label for relationship date information

element **ChildType/Hier_Rel_Type**

type	restriction of xs:string
properties	isRef 0 content simple
facets	Kind Value annotation enumeration Whole/Part-BTP enumeration Genus/Species-BTG enumeration Instance-BTI
annotation	documentation Hierarchical Relationship Type

D.8 Schema **ULANGetRevisionHistory.xsd**

schema location: <http://vocabsservices.getty.edu/Schemas/ULAN/ULANGetRevisionHistory.xsd>
attribute form default: **unqualified**
element form default: **qualified**

Elements Complex types
[Vocabulary](#) [RevisionType](#)

element **Vocabulary**

properties content complex

element **Vocabulary/Record_Count**

properties isRef 0
annotation documentation
Count of the number of edits done for a given action and date range

element **Vocabulary/Revision_History_Records**

properties isRef 0
content complex

element **Vocabulary/Revision_History_Records/Revision_History_Record**

type [RevisionType](#)
properties isRef 0
minOcc 1
maxOcc unbounded
content complex

complexType **RevisionType**

element **RevisionType/Subject_id**

type **xs:integer**
properties isRef 0
content simple
annotation documentation
Uniiue identifier of the subject where the edit action was applied

element **RevisionType/Record_Type**

type restriction of **xs:string**
properties isRef 0
content simple
facets enumeration Term
enumeration Note
enumeration Subject
annotation documentation
Indicates if the action was applied to the overall subject, note or term

element **RevisionType/Action**

type	restriction of xs:string	
properties	isRef	0
	content	simple
facets	enumeration	added
	enumeration	created
	enumeration	updated
	enumeration	moved
	enumeration	deleted
annotation	documentation	
	Description of the action performed	

element **RevisionType/Date_Time**

type	xs:dateTime	
properties	isRef	0
	content	simple
annotation	documentation	
	Date and time of the action	

element **RevisionType/Public_Note**

type	xs:string	
properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple
annotation	documentation	
	Additional information related the the edit action	

Appendix E: TGN Programming Interface Examples

E.1 TGNGetSubjectTerms

Return termID and all terms based on subjectID

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /TGNService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://vocabsservices.getty.edu/TGNGetSubjectTerms"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <TGNGetSubjectTerms xmlns="http://vocabsservices.getty.edu/">
      <subjectID>string</subjectID>
    </TGNGetSubjectTerms>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <TGNGetSubjectTermsResponse
xmlns="http://vocabsservices.getty.edu/">
      <TGNGetSubjectTermsResult>xml</TGNGetSubjectTermsResult>
    </TGNGetSubjectTermsResponse>
  </soap:Body>
</soap:Envelope>
```

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /TGNService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
```

```

    <soap12:Body>
      <TGNGetSubjectTerms xmlns="http://vocabsservices.getty.edu/">
        <subjectID>string</subjectID>
      </TGNGetSubjectTerms>
    </soap12:Body>
  </soap12:Envelope>
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <TGNGetSubjectTermsResponse
xmlns="http://vocabsservices.getty.edu/">
      <TGNGetSubjectTermsResult>xml</TGNGetSubjectTermsResult>
    </TGNGetSubjectTermsResponse>
  </soap12:Body>
</soap12:Envelope>

```

HTTP GET

The following is a sample HTTP GET request and response. The **placeholders** shown need to be replaced with actual values.

```

GET /TGNService.asmx/TGNGetSubjectTerms?subjectID=string HTTP/1.1
Host: vocabsservices.getty.edu
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0"?>
xml

```

HTTP POST

The following is a sample HTTP POST request and response. The **placeholders** shown need to be replaced with actual values.

```

POST /TGNService.asmx/TGNGetSubjectTerms HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/x-www-form-urlencoded
Content-Length: length

subjectID=string
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0"?>
xml

```

E.2 TGNGetTermMatch

Return result count, preferred term and matching terms

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /TGNService.asmx HTTP/1.1
Host: vocabsservices-stage.getty.edu
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://vocabsservices.getty.edu/TGNGetTermMatch"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <TGNGetTermMatch xmlns="http://vocabsservices.getty.edu/">
      <name>string</name>
      <placetypeid>string</placetypeid>
      <nationid>string</nationid>
    </TGNGetTermMatch>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <TGNGetTermMatchResponse xmlns="http://vocabsservices.getty.edu/">
      <TGNGetTermMatchResult>xml</TGNGetTermMatchResult>
    </TGNGetTermMatchResponse>
  </soap:Body>
</soap:Envelope>
```

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /TGNService.asmx HTTP/1.1
Host: vocabsservices-stage.getty.edu
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <TGNGetTermMatch xmlns="http://vocabsservices.getty.edu/">
      <name>string</name>
      <placetypeid>string</placetypeid>
      <nationid>string</nationid>
    </TGNGetTermMatch>
  </soap12:Body>
</soap12:Envelope>
```

```

    </soap12:Body>
</soap12:Envelope>
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <TGNGetTermMatchResponse xmlns="http://vocabsservices.getty.edu/">
      <TGNGetTermMatchResult>xml</TGNGetTermMatchResult>
    </TGNGetTermMatchResponse>
  </soap12:Body>
</soap12:Envelope>

```

HTTP GET

The following is a sample HTTP GET request and response. The **placeholders** shown need to be replaced with actual values.

```

GET
/TGNService.asmx/TGNGetTermMatch?name=string&placetypeid=string&nationi
d=string HTTP/1.1
Host: vocabsservices-stage.getty.edu
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0"?>
xml

```

HTTP POST

The following is a sample HTTP POST request and response. The **placeholders** shown need to be replaced with actual values.

```

POST /TGNService.asmx/TGNGetTermMatch HTTP/1.1
Host: vocabsservices-stage.getty.edu
Content-Type: application/x-www-form-urlencoded
Content-Length: length

name=string&placetypeid=string&nationid=string
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0"?>
xml

```

E.3 TGNGetSubject

Return all data element associated with a VCS subject

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /TGNService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://vocabsservices.getty.edu/TGNGetSubject"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <TGNGetSubject xmlns="http://vocabsservices.getty.edu/">
      <subjectID>string</subjectID>
    </TGNGetSubject>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <TGNGetSubjectResponse xmlns="http://vocabsservices.getty.edu/">
      <TGNGetSubjectResult>xml</TGNGetSubjectResult>
    </TGNGetSubjectResponse>
  </soap:Body>
</soap:Envelope>
```

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /TGNService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <TGNGetSubject xmlns="http://vocabsservices.getty.edu/">
      <subjectID>string</subjectID>
    </TGNGetSubject>
  </soap12:Body>
</soap12:Envelope>
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <TGNGetSubjectResponse xmlns="http://vocabsservices.getty.edu/">
      <TGNGetSubjectResult>xml</TGNGetSubjectResult>
    </TGNGetSubjectResponse>
  </soap12:Body>
</soap12:Envelope>
```

HTTP GET

The following is a sample HTTP GET request and response. The **placeholders** shown need to be replaced with actual values.

```
GET /TGNService.asmx/TGNGetSubject?subjectID=string HTTP/1.1
Host: vocabsservices.getty.edu
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0"?>
xml
```

HTTP POST

The following is a sample HTTP POST request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /TGNService.asmx/TGNGetSubject HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/x-www-form-urlencoded
Content-Length: length
```

```
subjectID=string
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0"?>
xml
```

E.4 TGNGetSyncSubjectID

Return current subject ID for a given subject ID

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /TGNService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://vocabsservices.getty.edu/TGNGetSyncSubjectID"
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <TGNGetSyncSubjectID xmlns="http://vocabsservices.getty.edu/">
      <subjectID>string</subjectID>
    </TGNGetSyncSubjectID>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <TGNGetSyncSubjectIDResponse
xmlns="http://vocabsservices.getty.edu/">
      <TGNGetSyncSubjectIDResult>xml</TGNGetSyncSubjectIDResult>
    </TGNGetSyncSubjectIDResponse>
  </soap:Body>
</soap:Envelope>
```

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /TGNService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <TGNGetSyncSubjectID xmlns="http://vocabsservices.getty.edu/">
      <subjectID>string</subjectID>
    </TGNGetSyncSubjectID>
  </soap12:Body>
</soap12:Envelope>
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <TGNGetSyncSubjectIDResponse
xmlns="http://vocabsservices.getty.edu/">
```

```

    <TGNGetSyncSubjectIDResult>xml</TGNGetSyncSubjectIDResult>
  </TGNGetSyncSubjectIDResponse>
</soap12:Body>
</soap12:Envelope>

```

HTTP GET

The following is a sample HTTP GET request and response. The **placeholders** shown need to be replaced with actual values.

```

GET /TGNService.asmx/TGNGetSyncSubjectID?subjectID=string HTTP/1.1
Host: vocabsservices.getty.edu
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

```

```

<?xml version="1.0"?>
xml

```

HTTP POST

The following is a sample HTTP POST request and response. The **placeholders** shown need to be replaced with actual values.

```

POST /TGNService.asmx/TGNGetSyncSubjectID HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/x-www-form-urlencoded
Content-Length: length

```

```

subjectID=string
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

```

```

<?xml version="1.0"?>
xml

```

E.5 TGNGetMergedSubjectID

Return a list of records with old and new IDs that have been merged

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The **placeholders** shown need to be replaced with actual values.

```

POST /TGNService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://vocabsservices.getty.edu/TGNGetMergedSubjectID"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <TGNGetMergedSubjectID xmlns="http://vocabsservices.getty.edu/">

```

```

        <startDate>string</startDate>
        <endDate>string</endDate>
    </TGNGetMergedSubjectID>
</soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
    <soap:Body>
        <TGNGetMergedSubjectIDResponse
xmlns="http://vocabsservices.getty.edu/">
            <TGNGetMergedSubjectIDResult>xml</TGNGetMergedSubjectIDResult>
        </TGNGetMergedSubjectIDResponse>
    </soap:Body>
</soap:Envelope>

```

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The **placeholders** shown need to be replaced with actual values.

```

POST /TGNService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
    <soap12:Body>
        <TGNGetMergedSubjectID xmlns="http://vocabsservices.getty.edu/">
            <startDate>string</startDate>
            <endDate>string</endDate>
        </TGNGetMergedSubjectID>
    </soap12:Body>
</soap12:Envelope>
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
    <soap12:Body>
        <TGNGetMergedSubjectIDResponse
xmlns="http://vocabsservices.getty.edu/">
            <TGNGetMergedSubjectIDResult>xml</TGNGetMergedSubjectIDResult>
        </TGNGetMergedSubjectIDResponse>
    </soap12:Body>
</soap12:Envelope>

```

HTTP GET

The following is a sample HTTP GET request and response. The **placeholders** shown need to be replaced with actual values.

```
GET
/TGNService.asmx/TGNGetMergedSubjectID?startDate=string&endDate=string
HTTP/1.1
Host: vocabsservices.getty.edu
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0"?>
xml
```

HTTP POST

The following is a sample HTTP POST request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /TGNService.asmx/TGNGetMergedSubjectID HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/x-www-form-urlencoded
Content-Length: length

startDate=string&endDate=string
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0"?>
xml
```

E.6 TGNGetParents

Return parent hierarchy for a given subject record

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /TGNService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://vocabsservices.getty.edu/TGNGetParents"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <TGNGetParents xmlns="http://vocabsservices.getty.edu/">
      <subjectID>string</subjectID>
    </TGNGetParents>
  </soap:Body>
```



```

</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <TGNGetParentsResponse xmlns="http://vocabsservices.getty.edu/">
      <TGNGetParentsResult>xml</TGNGetParentsResult>
    </TGNGetParentsResponse>
  </soap:Body>
</soap:Envelope>

```

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The **placeholders** shown need to be replaced with actual values.

```

POST /TGNService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <TGNGetParents xmlns="http://vocabsservices.getty.edu/">
      <subjectID>string</subjectID>
    </TGNGetParents>
  </soap12:Body>
</soap12:Envelope>
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

```

```

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <TGNGetParentsResponse xmlns="http://vocabsservices.getty.edu/">
      <TGNGetParentsResult>xml</TGNGetParentsResult>
    </TGNGetParentsResponse>
  </soap12:Body>
</soap12:Envelope>

```

HTTP GET

The following is a sample HTTP GET request and response. The **placeholders** shown need to be replaced with actual values.

```

GET /TGNService.asmx/TGNGetParents?subjectID=string HTTP/1.1
Host: vocabsservices.getty.edu
HTTP/1.1 200 OK

```

```
Content-Type: text/xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0"?>
xml
```

HTTP POST

The following is a sample HTTP POST request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /TGNService.asmx/TGNGetParents HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/x-www-form-urlencoded
Content-Length: length
```

```
subjectID=string
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0"?>
xml
```

E.7 TGNGetChildren

Return all immediate children of a given subject record

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /TGNService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://vocabsservices.getty.edu/TGNGetChildren"
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <TGNGetChildren xmlns="http://vocabsservices.getty.edu/">
      <subjectID>string</subjectID>
    </TGNGetChildren>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
```

```

    <soap:Body>
      <TGNGetChildrenResponse xmlns="http://vocabsservices.getty.edu/">
        <TGNGetChildrenResult>xml</TGNGetChildrenResult>
      </TGNGetChildrenResponse>
    </soap:Body>
  </soap:Envelope>

```

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The **placeholders** shown need to be replaced with actual values.

```

POST /TGNService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

```

```

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <TGNGetChildren xmlns="http://vocabsservices.getty.edu/">
      <subjectID>string</subjectID>
    </TGNGetChildren>
  </soap12:Body>
</soap12:Envelope>
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

```

```

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <TGNGetChildrenResponse xmlns="http://vocabsservices.getty.edu/">
      <TGNGetChildrenResult>xml</TGNGetChildrenResult>
    </TGNGetChildrenResponse>
  </soap12:Body>
</soap12:Envelope>

```

HTTP GET

The following is a sample HTTP GET request and response. The **placeholders** shown need to be replaced with actual values.

```

GET /TGNService.asmx/TGNGetChildren?subjectID=string HTTP/1.1
Host: vocabsservices.getty.edu
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

```

```

<?xml version="1.0"?>
xml

```

HTTP POST

The following is a sample HTTP POST request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /TGNService.asmx/TGNGetChildren HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/x-www-form-urlencoded
Content-Length: length
```

```
subjectID=string
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0"?>
xml
```

E.8 TGNGetRevisionHistory

Return info on edits made within certain data based on input parameter

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /TGNService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://vocabsservices.getty.edu/TGNGetRevisionHistory"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <TGNGetRevisionHistory xmlns="http://vocabsservices.getty.edu/">
      <startDate>string</startDate>
      <endDate>string</endDate>
      <param>string</param>
    </TGNGetRevisionHistory>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <TGNGetRevisionHistoryResponse
xmlns="http://vocabsservices.getty.edu/">
      <TGNGetRevisionHistoryResult>xml</TGNGetRevisionHistoryResult>
    </TGNGetRevisionHistoryResponse>
  </soap:Body>
</soap:Envelope>
```

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /TGNService.asmx HTTP/1.1
Host: vocabsservices.getty.edu
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <TGNGetRevisionHistory xmlns="http://vocabsservices.getty.edu/">
      <startDate>string</startDate>
      <endDate>string</endDate>
      <param>string</param>
    </TGNGetRevisionHistory>
  </soap12:Body>
</soap12:Envelope>
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <TGNGetRevisionHistoryResponse
xmlns="http://vocabsservices.getty.edu/">
      <TGNGetRevisionHistoryResult>xml</TGNGetRevisionHistoryResult>
    </TGNGetRevisionHistoryResponse>
  </soap12:Body>
</soap12:Envelope>
```

HTTP GET

The following is a sample HTTP GET request and response. The **placeholders** shown need to be replaced with actual values.

```
GET
/TGNService.asmx/TGNGetRevisionHistory?startDate=string&endDate=string&
param=string HTTP/1.1
Host: vocabsservices.getty.edu
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0"?>
xml
```

HTTP POST

The following is a sample HTTP POST request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /TGNService.asmx/TGNGetRevisionHistory HTTP/1.1
Host: vocabsservices.getty.edu
```

Content-Type: application/x-www-form-urlencoded
Content-Length: **length**

startDate=string&endDate=string¶m=string
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: **length**

<?xml version="1.0"?>
xml

Appendix F: TGN Data Element Descriptions

F.1 Schema TGNGetSubjectTerms.xsd

schema location: <http://vocabsservices.getty.edu/Schemas/TGN/TGNGetSubjectTerms.xsd>
attribute form default: **unqualified**
element form default: **qualified**

Elements Complex types
[Vocabulary](#) [SourceType](#)
 [TermType](#)

element Vocabulary

properties	content complex
------------	--------------------

element Vocabulary/Subject

properties	isRef 0 minOcc 1 maxOcc unbounded content complex
attributes	Name Type Use Default Fixed annotation Subject_ID xs:integer required documentation Unique identification number of an TGN record

attribute Vocabulary/Subject/@Subject_ID

type	xs:integer
properties	isRef 0 use required
annotation	documentation Unique identification number of an TGN record

element Vocabulary/Subject/Terms

properties	isRef 0 content complex
annotation	documentation There can be one and only one preferred term, but zero to many non-preferred terms.

element Vocabulary/Subject/Terms/Preferred_Term

type	TermType
properties	isRef 0 content complex
annotation	documentation The term that is the preferred form for this subject record

element **Vocabulary/Subject/Terms/Non-Preferred_Term**

type	TermType
properties	isRef 0 minOcc 0 maxOcc unbounded content complex

complexType **SourceType**

annotation	documentation Set of values to reference a bibliographic source
------------	--

element **SourceType/Source_ID**

type	xs:string
properties	isRef 0 content simple
annotation	documentation A combination of the unique identifier and brief description separated by a forward slash ('/') for a source in the TGN

complexType **TermType**

annotation	documentation Term block for the Terms element
------------	---

element **TermType/Term_Languages**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	--

element **TermType/Term_Languages/Term_Language**

properties	isRef 0 minOcc 1 maxOcc unbounded content complex
------------	--

element **TermType/Term_Languages/Term_Language/Language**

type	xs:string
properties	isRef 0 content simple

element **TermType/Term_Languages/Term_Language/Preferred**

type	restriction of xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple
facets	Kind enumeration Value Preferred annotation

	enumeration Non Preferred enumeration Undetermined
annotation	documentation Flag indicating whether or not a term is preferred for a particular language

element **TermType/Term_Languages/Term_Language/Qualifier**

type	xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple
annotation	documentation Label to disambiguate homophones in TGN

element **TermType/Term_Languages/Term_Language/Term_Type**

type	restriction of xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple
facets	Kind Value annotation enumeration N/A

element **TermType/Term_Languages/Term_Language/Part_of_Speech**

type	restriction of xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple
facets	Kind Value annotation enumeration N/A enumeration Undetermined enumeration Noun enumeration Adjectival enumeration Both

element **TermType/Term_Languages/Term_Language/Lang_Stat**

type	restriction of xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple
facets	Kind Value annotation enumeration Undetermined enumeration N/A enumeration Loan Term

element **TermType/Term_Contributors**

properties	isRef	0
	minOcc	0
	maxOcc	1
	content	complex

element **TermType/Term_Contributors/Term_Contributor**

properties	isRef	0
	minOcc	1
	maxOcc	unbounded
	content	complex

element **TermType/Term_Contributors/Term_Contributor/Contributor_id**

type	xs:string	
properties	isRef	0
	content	simple
annotation	documentation A combination of the unique identifier and brief description separated by a forward slash (/) for a particular contributor to the ULAN	

element **TermType/Term_Contributors/Term_Contributor/Preferred**

type	xs:string	
properties	isRef	0
	content	simple
annotation	documentation Indicates whether or not a term is preferred by a particular contributor	

element **TermType/Term_ID**

type	xs:integer	
properties	isRef	0
	content	simple
annotation	documentation Integer value identifying a unique term record	

element **TermType/Term_Sources**

properties	isRef	0
	minOcc	0
	maxOcc	1
	content	complex

element **TermType/Term_Sources/Term_Source**

properties	isRef	0
	minOcc	1
	maxOcc	unbounded
	content	complex

element **TermType/Term_Sources/Term_Source/Source**

type	SourceType	
properties	isRef	0

	content	complex
--	---------	---------

element **TermType/Term_Sources/Term_Source/Page**

type	xs:string	
properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple
annotation	documentation Free text entry field for information relating to term-to-source relationship	

element **TermType/Term_Sources/Term_Source/Preferred**

type	restriction of xs:string	
properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple
facets	Kind	Value
	enumeration	Preferred
	enumeration	Non Preferred
	enumeration	Unknown
	enumeration	Alternate Preferred
annotation	documentation Flag indicating whether or not a term is preferred for a particular source	

element **TermType/Term_Text**

type	xs:string	
properties	isRef	0
	content	simple
annotation	documentation The term	

F.2 Schema **TGNGetTermMatch.xsd**

schema location: <http://vocabsservices.getty.edu/Schemas/TGN/TGNGetTermMatch.xsd>
attribute form default: **unqualified**
element form default: **qualified**

Elements
[Vocabulary](#)

element **Vocabulary**

properties content complex

element **Vocabulary/Count**

type **xs:integer**

properties	isRef	0
	content	simple
annotation	documentation	
		The count of the number of subjects matching the search criteria

element **Vocabulary/Subject**

properties	isRef	0
	minOcc	1
	maxOcc	unbounded
	content	complex

element **Vocabulary/Subject/Preferred_Term**

type	xs:string
properties	isRef 0
	content simple
annotation	documentation
	The preferred term of the overall subject

element **Vocabulary/Subject/Preferred_Parent**

type	xs:string
properties	isRef 0
	content simple
annotation	documentation
	Comma-delimited string of preferred terms showing the sequence of parents in the preferred subject hierarchy

element **Vocabulary/Subject/Subject_ID**

type	xs:integer
properties	isRef 0
	content simple
annotation	documentation
	Unique identifier for a subject record

element **Vocabulary/Subject/Term**

type	xs:string
properties	isRef 0
	minOcc 0
	maxOcc unbounded
	content simple
annotation	documentation
	Term other than the preferred term matching the search criteria

F.3 Schema **TGNGetSubject.xsd**

schema location: <http://vocabsservices.getty.edu/Schemas/TGN/TGNGetSubject.xsd>
 attribute form default: **unqualified**
 element form default: **qualified**

Elements	Complex types	Simple types
Vocabulary	Latitude ReferenceType	Geog Date
	Longitude ReferenceType	Historic Flag Value
	ParentType	Historical Date

[Place_TypeType](#)

[Merged_Status_Value](#)

[SourceType](#)

[TermType](#)

element **Vocabulary**

properties	content	complex
------------	---------	---------

element **Vocabulary/Subject**

properties	isRef	0				
	minOcc	1				
	maxOcc	unbounded				
	content	complex				
attributes	Name	Type	Use	Default	Fixed	annotation
	Subject_ID	xs:integer	required			documentation Unique identification number of an TGN record

attribute **Vocabulary/Subject/@Subject_ID**

type	xs:integer
properties	isRef 0 use required
annotation	documentation Unique identification number of an TGN record

element **Vocabulary/Subject/Associative_Relationships**

properties	isRef	0
	minOcc	0
	maxOcc	1
	content	complex

element **Vocabulary/Subject/Associative_Relationships/Associative_Relationship**

properties	isRef	0
	minOcc	0
	maxOcc	unbounded
	content	complex

element **Vocabulary/Subject/Associative_Relationships/Associative_Relationship/AR_Date**

properties	isRef	0
	minOcc	0
	maxOcc	1
	content	complex

element

Vocabulary/Subject/Associative_Relationships/Associative_Relationship/AR_Date/Display_Date

type	xs:string
properties	isRef 0 content simple
annotation	documentation Label for relationship date information

element

Vocabulary/Subject/Associative_Relationships/Associative_Relationship/AR_Date/Start_Date

type	Geog_Date
properties	isRef 0 content simple
annotation	documentation Historical start date of relationship

element

Vocabulary/Subject/Associative_Relationships/Associative_Relationship/AR_Date/End_Date

type	Geog_Date
properties	isRef 0 content simple
annotation	documentation Historical end date of relationship

element

Vocabulary/Subject/Associative_Relationships/Associative_Relationship/Description

type	xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple
annotation	documentation Additional relationship information

element

Vocabulary/Subject/Associative_Relationships/Associative_Relationship/Historic_Flag

type	Historic_Flag_Value
properties	isRef 0 minOcc 0 maxOcc 1 content simple default Current
facets	Kind Value annotation enumeration Both enumeration Current enumeration Historical enumeration N/A enumeration Undetermined

annotation	documentation Flag indicating the historical status of the relationship
------------	--

element

Vocabulary/Subject/Associative_Relationships/Associative_Relationship/Relationship_Type

type	xs:string
properties	isRef 0 content simple
annotation	documentation Relationship type description

element

Vocabulary/Subject/Associative_Relationships/Associative_Relationship/Related_Subject_ID

properties	isRef 0 content complex
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element

Vocabulary/Subject/Associative_Relationships/Associative_Relationship/Related_Subject_ID/VP_Subject_ID

type	xs:integer
properties	isRef 0 content simple
annotation	documentation The Getty Vocabulary ID number of related subject in the associative relationship

element

Vocabulary/Subject/Associative_Relationships/Associative_Relationship/Related_Subject_ID/Contrib_Subject_ID

type	xs:string
properties	isRef 0 content simple
annotation	documentation Contributor system ID number of related subject in the associative relationship

element **Vocabulary/Subject/Descriptive_Notes**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	--

element **Vocabulary/Subject/Descriptive_Notes/Descriptive_Note**

properties	isRef 0 minOcc 0 maxOcc unbounded content complex
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element **Vocabulary/Subject/Descriptive_Notes/Descriptive_Note/Note_Text**

type	xs:string
properties	isRef 0 content simple
annotation	documentation Subject descriptive note

element **Vocabulary/Subject/Descriptive_Notes/Descriptive_Note/Note_Language**

type	xs:string
properties	isRef 0 content simple

element **Vocabulary/Subject/Descriptive_Notes/Descriptive_Note/Note_Contributors**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	--

element
Vocabulary/Subject/Descriptive_Notes/Descriptive_Note/Note_Contributors/Note_Contributor

properties	isRef 0 minOcc 0 maxOcc unbounded content complex
------------	--

element
Vocabulary/Subject/Descriptive_Notes/Descriptive_Note/Note_Contributors/Note_Contributor/Contributor_id

type	xs:string
properties	isRef 0 content simple
annotation	documentation A combination of the unique identifier and brief description separated by a forward slash ('/') for a particular contributor to the TGN

element **Vocabulary/Subject/Descriptive_Notes/Descriptive_Note/Note_Sources**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
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element
Vocabulary/Subject/Descriptive_Notes/Descriptive_Note/Note_Sources/Note_Source

properties	isRef 0 minOcc 0 maxOcc unbounded content complex
------------	--

element

Vocabulary/Subject/Descriptive_Notes/Descriptive_Note/Note_Sources/Note_Source/Source

type	SourceType		
properties	isRef	0	
	content	complex	

element

Vocabulary/Subject/Descriptive_Notes/Descriptive_Note/Note_Sources/Note_Source/Page

type	xs:string		
properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	simple	
annotation	documentation Free text entry field for information relating to Source-to-note relationship		

element Vocabulary/Subject/Coordinates

properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	complex	
annotation	documentation TGN only		

element Vocabulary/Subject/Coordinates/Standard

properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	complex	

element Vocabulary/Subject/Coordinates/Standard/Latitude

type	Latitude ReferenceType		
properties	isRef	0	
	content	complex	

element Vocabulary/Subject/Coordinates/Standard/Longitude

type	Longitude ReferenceType		
properties	isRef	0	
	content	complex	

element Vocabulary/Subject/Coordinates/Bounding

properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	complex	

element **Vocabulary/Subject/Coordinates/Bounding/Latitude_Least**

type	Latitude ReferenceType		
properties	isRef	0	
	content	complex	

element **Vocabulary/Subject/Coordinates/Bounding/Latitude_Most**

type	Latitude ReferenceType		
properties	isRef	0	
	content	complex	

element **Vocabulary/Subject/Coordinates/Bounding/Longitude_Least**

type	Longitude ReferenceType		
properties	isRef	0	
	content	complex	

element **Vocabulary/Subject/Coordinates/Bounding/Longitude_Most**

type	Longitude ReferenceType		
properties	isRef	0	
	content	complex	

element **Vocabulary/Subject/Coordinates/Elevation_Feet**

type	xs:decimal		
properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	simple	

element **Vocabulary/Subject/Coordinates/Elevation_Meters**

type	xs:decimal		
properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	simple	

element **Vocabulary/Subject/Facet_Code**

type	xs:string		
properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	simple	
annotation	documentation Facet code		

element **Vocabulary/Subject/Merged_Status**

type	Merged Status Value		
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properties	isRef 0 content simple
facets	Kind Value annotation enumeration Merged enumeration Not Merged
annotation	documentation Indicates whether or not the subject contains merged subject IDs

element **Vocabulary/Subject/Parent_Relationships**

properties	isRef 0 content complex
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element **Vocabulary/Subject/Parent_Relationships/Preferred_Parent**

type	ParentType
properties	isRef 0 content complex

element **Vocabulary/Subject/Parent_Relationships/Non-Preferred_Parent**

type	ParentType
properties	isRef 0 minOcc 0 maxOcc unbounded content complex

element **Vocabulary/Subject/Record_Type**

type	restriction of xs:string
properties	isRef 0 content simple
facets	Kind Value annotation enumeration Administrative enumeration Physical enumeration Both enumeration Facet enumeration Guide Term
annotation	documentation Subject record type

element **Vocabulary/Subject/Subject_Contributors**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
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element **Vocabulary/Subject/Subject_Contributors/Subject_Contributor**

properties	isRef 0 minOcc 1 maxOcc unbounded content complex
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element **Vocabulary/Subject/Subject_Contributors/Subject_Contributor/Contributor_id**

type	xs:string	
properties	isRef	0
	content	simple
annotation	documentation A combination of the unique identifier and brief description separated by a forward slash ('/') for a particular contributor to the TGN	

element **Vocabulary/Subject/Subject_Sources**

properties	isRef	0
	minOcc	0
	maxOcc	1
	content	complex

element **Vocabulary/Subject/Subject_Sources/Subject_Source**

properties	isRef	0
	minOcc	1
	maxOcc	unbounded
	content	complex

element **Vocabulary/Subject/Subject_Sources/Subject_Source/Source**

type	SourceType	
properties	isRef	0
	content	complex

element **Vocabulary/Subject/Subject_Sources/Subject_Source/Page**

type	xs:string	
properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple
annotation	documentation Free text entry field for information relating to subject-to-source relationship	

element **Vocabulary/Subject/Terms**

properties	isRef	0
	content	complex
annotation	documentation There can be one and only one preferred term, but zero to many non-preferred terms.	

element **Vocabulary/Subject/Terms/Preferred_Term**

type	TermType	
properties	isRef	0
	content	complex

element **Vocabulary/Subject/Terms/Non-Preferred_Term**

type	TermType	
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properties	isRef 0 minOcc 0 maxOcc unbounded content complex
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element **Vocabulary/Subject/Place_Types**

properties	isRef 0 content complex
annotation	documentation TGN only. There can be one and only one preferred Place_Types branch, but zero to many non-preferred Place_Types branches

element **Vocabulary/Subject/Place_Types/Preferred_Place_Type**

type	Place_TypeType
properties	isRef 0 content complex

element **Vocabulary/Subject/Place_Types/Non-Preferred_Place_Type**

type	Place_TypeType
properties	isRef 0 minOcc 0 maxOcc unbounded content complex

complexType **Latitude_ReferenceType**

annotation	documentation Set of values to define a single latitude coordinate (TGN only)
------------	--

element **Latitude_ReferenceType/Degrees**

type	restriction of xs:integer
properties	isRef 0 content simple

element **Latitude_ReferenceType/Minutes**

type	restriction of xs:integer
properties	isRef 0 content simple

element **Latitude_ReferenceType/Seconds**

type	restriction of xs:integer
properties	isRef 0 content simple

element **Latitude_ReferenceType/Direction**

type	restriction of xs:string
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properties	isRef 0 content simple
facets	Kind Value annotation enumeration North enumeration South

element **Latitude_ ReferenceType/Decimal**

type	restriction of xs:decimal
properties	isRef 0 content simple

complexType **Longitude_ ReferenceType**

annotation	documentation Set of values to define a single longitudecoordinate (TGN only)
------------	--

element **Longitude_ ReferenceType/Degrees**

type	restriction of xs:integer
properties	isRef 0 content simple

element **Longitude_ ReferenceType/Minutes**

type	restriction of xs:integer
properties	isRef 0 content simple

element **Longitude_ ReferenceType/Seconds**

type	restriction of xs:integer
properties	isRef 0 content simple

element **Longitude_ ReferenceType/Direction**

type	restriction of xs:string
properties	isRef 0 content simple
facets	Kind Value annotation enumeration East enumeration West

element **Longitude_ ReferenceType/Decimal**

type	restriction of xs:decimal
properties	isRef 0 content simple

complexType **ParentType**

element **ParentType/Parent_Subject_ID**

type	xs:integer
properties	isRef 0 content simple
annotation	documentation Unique ID number of parent record

element **ParentType/Relationship_Type**

type	restriction of xs:string
properties	isRef 0 content simple
facets	Kind Value annotation enumeration Parent/Child
annotation	documentation Relationship type (only parent/child currently available)

element **ParentType/Historic_Flag**

type	restriction of xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple
facets	Kind Value annotation enumeration Current enumeration Historical enumeration Both enumeration N/A enumeration Undetermined
annotation	documentation Flag indicating the historical status of the parent/child relationship

element **ParentType/Parent_String**

type	xs:string
properties	isRef 0 content simple
annotation	documentation Comma-delimited string of preferred terms showing the sequence of parents in the preferred subject hierarchy

element **ParentType/Parent_Date**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
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element **ParentType/Parent_Date/Display_Date**

type	xs:string
properties	isRef 0 content simple
annotation	documentation Label for relationship date information

element **ParentType/Parent_Date/Start_Date**

type	Geog_Date
properties	isRef 0 content simple
annotation	documentation Historical start date of parent/child relationship

element **ParentType/Parent_Date/End_Date**

type	Geog_Date
properties	isRef 0 content simple
annotation	documentation Historical end date of parent/child relationship

element **ParentType/Hier_Rel_Type**

type	restriction of xs:string
properties	isRef 0 content simple
facets	Kind Value annotation enumeration Whole/Part-BTP enumeration Genus/Species-BTG enumeration Instance-BTI
annotation	documentation Hierarchical Relationship Type

complexType **Place_TypeType**

annotation	documentation Place_Type type for the Place type element
------------	---

element **Place_TypeType/Place_Type_ID**

type	xs:string
properties	isRef 0 content simple
annotation	documentation Combination numerical ID and place type description separated by a forward slash ('/')

element **Place_TypeType/Historic_Flag**

type	Historic_Flag_Value
properties	isRef 0 minOcc 0 maxOcc 1

	content	simple
facets	Kind	Value annotation
	enumeration	Both
	enumeration	Current
	enumeration	Historical
	enumeration	N/A
	enumeration	Undetermined
annotation	documentation	Flag indicating the historical status of the place type

element **Place_TypeType/PT_Date**

properties	isRef	0
	minOcc	0
	maxOcc	1
	content	complex

element **Place_TypeType/PT_Date/Display_Date**

type	xs:string	
properties	isRef	0
	content	simple
annotation	documentation	Label for place type date information

element **Place_TypeType/PT_Date/Start_Date**

type	Geog_Date	
properties	isRef	0
	content	simple
annotation	documentation	Historical start date of the place type

element **Place_TypeType/PT_Date/End_Date**

type	Geog_Date	
properties	isRef	0
	content	simple
annotation	documentation	Historical end date of the place type

complexType **SourceType**

annotation	documentation	Set of values to reference a bibliographic source
------------	---------------	---

element **SourceType/Source_ID**

type	xs:string	
properties	isRef	0
	content	simple
annotation	documentation	A combination of the unique identifier and brief description separated by a forward slash ('/') for a source in the TGN

complexType **TermType**

annotation	documentation Term block for the Terms element
------------	---

element **TermType/AACR2_Flag**

type	restriction of xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple default N/A
facets	Kind Value annotation enumeration N/A
annotation	documentation Flag to indicate when a TGN record is a AACR2 record

element **TermType/Display_Name**

type	restriction of xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple
facets	Kind Value annotation enumeration Yes enumeration No enumeration N/A enumeration Index
annotation	documentation Label for term date information

element **TermType/Display_Order**

type	xs:unsignedShort
properties	isRef 0 minOcc 0 maxOcc 1 content simple default 0
annotation	documentation Order number of the term in relation to the other terms of a subject record

element **TermType/Historic_Flag**

type	restriction of xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple default Current
facets	Kind Value annotation enumeration Both enumeration Current enumeration Historical

	enumeration N/A
annotation	documentation Flag indicating the historical status of the term

element **TermType/Term_Languages**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	--

element **TermType/Term_Languages/Term_Language**

properties	isRef 0 minOcc 1 maxOcc unbounded content complex
------------	--

element **TermType/Term_Languages/Term_Language/Language**

type	xs:string
properties	isRef 0 content simple

element **TermType/Term_Languages/Term_Language/Preferred**

type	restriction of xs:string		
properties	isRef 0 minOcc 0 maxOcc 1 content simple		
facets	Kind enumeration enumeration Preferred enumeration Non Preferred enumeration Undetermined	Value	annotation
annotation	documentation Flag indicating whether or not a term is preferred for a particular language		

element **TermType/Term_Languages/Term_Language/Qualifier**

type	xs:string		
properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	simple	
annotation	documentation Label to disambiguate homophones in TGN		

element **TermType/Term_Languages/Term_Language/Term_Type**

type	restriction of xs:string		
properties	isRef 0 minOcc 0 maxOcc 1 content simple		

facets	Kind enumeration	Value N/A	annotation
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element **TermType/Term_Languages/Term_Language/Part_of_Speech**

type	restriction of xs:string		
properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	simple	
facets	Kind enumeration	Value N/A	annotation
	enumeration	Undetermined	
	enumeration	Noun	
	enumeration	Adjectival	
	enumeration	Both	

element **TermType/Term_Languages/Term_Language/Lang_Stat**

type	restriction of xs:string		
properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	simple	
facets	Kind enumeration	Value Undetermined	annotation
	enumeration	N/A	
	enumeration	Loan Term	

element **TermType/Other_Flags**

type	restriction of xs:string		
properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	simple	
	default	N/A	
facets	Kind enumeration	Value N/A	annotation
annotation	documentation Extra field for holding any flags not already represented in the term table (not used in TGN)		

element **TermType/Term_Contributors**

properties	isRef	0	
	minOcc	0	
	maxOcc	1	
	content	complex	

element **TermType/Term_Contributors/Term_Contributor**

properties	isRef	0	
	minOcc	1	
	maxOcc	unbounded	
	content	complex	

element **TermType/Term_Contributors/Term_Contributor/Contributor_id**

type	xs:string
properties	isRef 0 content simple
annotation	documentation A combination of the unique identifier and brief description separated by a forward slash ('/') for a particular contributor to the TGN

element **TermType/Term_Contributors/Term_Contributor/Preferred**

type	xs:string
properties	isRef 0 content simple
annotation	documentation Indicates whether or not a term is preferred by a particular contributor

element **TermType/Term_Date**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	--

element **TermType/Term_Date/Display_Date**

type	xs:string
properties	isRef 0 content simple
annotation	documentation Label for term date information

element **TermType/Term_Date/Start_Date**

type	Historical Date
properties	isRef 0 content simple
annotation	documentation Historical start date of term use

element **TermType/Term_Date/End_Date**

type	Historical Date
properties	isRef 0 content simple
annotation	documentation Historical end date of term use

element **TermType/Term_ID**

type	xs:integer
properties	isRef 0 content simple

annotation	documentation Integer value identifying a unique term record
------------	---

element **TermType/Term_Sources**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	--

element **TermType/Term_Sources/Term_Source**

properties	isRef 0 minOcc 1 maxOcc unbounded content complex
------------	--

element **TermType/Term_Sources/Term_Source/Source**

type	SourceType
properties	isRef 0 content complex

element **TermType/Term_Sources/Term_Source/Page**

type	xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple

element **TermType/Term_Sources/Term_Source/Preferred**

type	restriction of xs:string		
properties	isRef 0 minOcc 0 maxOcc 1 content simple		
facets	Kind enumeration enumeration Preferred enumeration Non Preferred enumeration Unknown enumeration Alternate Preferred	Value	annotation

element **TermType/Term_Text**

type	xs:string
properties	isRef 0 content simple
annotation	documentation The term

element **TermType/Vernacular**

type	restriction of xs:string		
properties	isRef	0	
	content	simple	
	default	Undetermined	
facets	Kind	Value	annotation
	enumeration	Vernacular	
	enumeration	Other	
	enumeration	Undetermined	
annotation	documentation Flag indicating whether or not the term is the vernacular for a certain place		

simpleType **Geog_Date**

type	restriction of xs:integer		
annotation	documentation Years of geographic or geologic events		

simpleType **Historic_Flag_Value**

type	restriction of xs:string		
facets	Kind	Value	annotation
	enumeration	Both	
	enumeration	Current	
	enumeration	Historical	
	enumeration	N/A	
	enumeration	Undetermined	
annotation	documentation Valid historical flag values		

simpleType **Historical_Date**

type	restriction of xs:integer		
annotation	documentation Years recording historical events		

simpleType **Merged_Status_Value**

type	restriction of xs:string		
facets	Kind	Value	annotation
	enumeration	Merged	
	enumeration	Not Merged	
annotation	documentation Valid merged status values		

F.4 Schema **TGNGetSyncSubjectID.xsd**

schema location: <http://vocabsservices.getty.edu/Schemas/TGN/TGNGetSyncSubjectID.xsd>
 attribute form default: **unqualified**
 element form default: **qualified**

Elements
[Vocabulary](#)

element **Vocabulary**

properties content complex

element **Vocabulary/Current_Subject_ID**

type **xs:integer**

properties isRef 0
 content simple

annotation documentation
 Current unique identifier for a given subject ID - takes into account whether or not a record has been merged

F.5 Schema **TGNGetMergedSubjectID.xsd**

schema location: [Http://vocabsservices.getty.edu/Schemas/TGN/TGNGetMergedSubjectID.xsd](http://vocabsservices.getty.edu/Schemas/TGN/TGNGetMergedSubjectID.xsd)
attribute form default: **unqualified**
element form default: **qualified**

Elements Complex types
[Vocabulary](#) [Merged_SubjectType](#)

element **Vocabulary**

properties content complex

element **Vocabulary/Merge_Count**

type **xs:integer**

properties isRef 0
 content simple

annotation documentation
 Count of the number of records merged for a given date range

element **Vocabulary/Merged_Subjects**

properties isRef 0
 content complex

element **Vocabulary/Merged_Subjects/Merged_Subject**

type [Merged_SubjectType](#)

properties isRef 0
 minOcc 1
 maxOcc unbounded
 content complex

complexType **Merged_SubjectType**

element **Merged_SubjectType/Previous_Subject_id**

type	xs:integer	
properties	isRef	0
	content	simple
annotation	documentation	
	Unique identifier of a subject record before being merged	

element **Merged_SubjectType/New_Subject_id**

type	xs:integer	
properties	isRef	0
	content	simple
annotation	documentation	
	Unique identifier of a subject record after being merged or the ID of the dominant record involved in a merge	

element **Merged_SubjectType/Merge_Date**

type	xs:dateTime	
properties	isRef	0
	content	simple
annotation	documentation	
	Date and time of the merge action	

F.6 Schema **TGNGetParents.xsd**

schema location: <http://vocabsservices.getty.edu/Schemas/TGN/TGNGetParents.xsd>
attribute form default: **unqualified**
element form default: **qualified**

Elements Complex types Simple types
[Vocabulary](#) [ParentType](#) [Geog_Date](#)

element **Vocabulary**

properties	content	complex
------------	---------	---------

element **Vocabulary/Subject**

properties	isRef	0				
	content	complex				
attributes	Name	Type	Use	Default	Fixed	annotation
	Subject_ID	xs:integer	required			documentation Unique identification number of an AAT record

attribute **Vocabulary/Subject/@Subject_ID**

type	xs:integer
properties	isRef 0 use required
annotation	documentation Unique identification number of an AAT record

element **Vocabulary/Subject/Parent_Relationships**

properties	isRef 0 content complex
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element **Vocabulary/Subject/Parent_Relationships/Preferred_Parent**

type	ParentType
properties	isRef 0 content complex

element **Vocabulary/Subject/Parent_Relationships/Non-Preferred_Parent**

type	ParentType
properties	isRef 0 minOcc 0 maxOcc unbounded content complex

complexType **ParentType**

element **ParentType/Parent_Subject_ID**

type	xs:integer
properties	isRef 0 content simple
annotation	documentation Unique ID number of parent record

element **ParentType/Relationship_Type**

type	restriction of xs:string
properties	isRef 0 content simple
facets	Kind Value annotation enumeration Parent/Child
annotation	documentation Relationship type (only parent/child currently available)

element **ParentType/Historic_Flag**

type	restriction of xs:string
properties	isRef 0 minOcc 0 maxOcc 1 content simple

facets	Kind enumeration	Value Current	annotation
	enumeration	Historical	
	enumeration	Both	
	enumeration	N/A	
	enumeration	Undetermined	
annotation	documentation Flag indicating the historical status of the parent/child relationship		

element **ParentType/Parent_String**

type	xs:string		
properties	isRef 0	content simple	
annotation	documentation Comma-delimited string of preferred terms showing the sequence of parents in the preferred subject hierarchy		

element **ParentType/Parent_Date**

properties	isRef 0 minOcc 0 maxOcc 1 content complex		
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element **ParentType/Parent_Date/Display_Date**

type	xs:string		
properties	isRef 0	content simple	
annotation	documentation Label for relationship date information		

element **ParentType/Parent_Date/Start_Date**

type	Geog_Date		
properties	isRef 0 content simple		
annotation	documentation Historical start date of parent/child relationship		

element **ParentType/Parent_Date/End_Date**

element parent_type isRef isDate isEnd isDate	
type	<u>Geog_Date</u>
properties	isRef 0 content simple
annotation	documentation Historical end date of parent/child relationship

element **ParentType/Hier_Rel_Type**

type	restriction of xs:string		
properties	isRef 0 content simple		

facets	Kind	Value	annotation
	enumeration	Whole/Part-BTP	
	enumeration	Genus/Species-BTG	
	enumeration	Instance-BTI	
annotation	documentation Hierarchical Relationship Type		

simpleType **Geog_Date**

type	restriction of xs:integer
annotation	documentation Years of geographic or geologic events

F.7 Schema **TGNGetChildren.xsd**

schema location: <http://vocabsservices.getty.edu/Schemas/TGN/TGNGetChildren.xsd>
 attribute form default: **unqualified**
 element form default: **qualified**

Elements [Vocabulary](#) Complex types [ChildType](#)

element **Vocabulary**

properties	content complex
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element **Vocabulary/Subject**

properties	isRef 0 content complex					
attributes	Name	Type	Use	Default	Fixed	annotation
	Subject_ID		required			documentation Unique identification number of an AAT record

attribute **Vocabulary/Subject/@Subject_ID**

properties	isRef 0 use required
annotation	documentation Unique identification number of an AAT record

element **Vocabulary/Subject/Child_Relationships**

properties	isRef 0 minOcc 0 maxOcc 1 content complex
------------	--

element **Vocabulary/Subject/Child_Relationships/Preferred_Child**

type	ChildType
properties	isRef 0 minOcc 0 maxOcc unbounded content complex

element **Vocabulary/Subject/Child_Relationships/Non-Preferred_Child**

type	ChildType
properties	isRef 0 minOcc 0 maxOcc unbounded content complex

complexType **ChildType**

element **ChildType/Child_Subject_ID**

type	xs:integer
properties	isRef 0 content simple
annotation	documentation Unique ID number of child record

element **ChildType/Preferred_Term**

type	xs:string
properties	isRef 0 content simple
annotation	documentation Preferred term for this subject

element **ChildType/Historic_Flag**

type	restriction of xs:string
properties	isRef 0 content simple
facets	Kind Value annotation enumeration Current enumeration Historical enumeration Both enumeration N/A enumeration Undetermined
annotation	documentation Flag indicating the historical status of the parent/child relationship

element **ChildType/Display_Date**

type	xs:string
properties	isRef 0 minOcc 0 maxOcc 1

	content simple
annotation	documentation Label for relationship date information

element **ChildType/Hier_Rel_Type**

type	restriction of xs:string
properties	isRef 0 content simple
facets	Kind Value annotation enumeration Whole/Part-BTP enumeration Genus/Species-BTG enumeration Instance-BTI
annotation	documentation Hierarchical Relationship Type

F.8 Schema **TGNGetRevisionHistory.xsd**

schema location: <http://vocabsservices.getty.edu/Schemas/TGN/TGNGetRevisionHistory.xsd>
 attribute form default: **unqualified**
 element form default: **qualified**

Elements [Vocabulary](#)
 Complex types [RevisionType](#)

element **Vocabulary**

properties content complex

element **Vocabulary/Record_Count**

properties isRef 0
 annotation documentation
 Count of the number of edits done for a given action and date range

element **Vocabulary/Revision_History_Records**

properties isRef 0
 content complex

element **Vocabulary/Revision_History_Records/Revision_History_Record**

type [RevisionType](#)
 properties isRef 0
 minOcc 1
 maxOcc unbounded
 content complex

complexType **RevisionType**

element **RevisionType/Subject_id**

type **xs:integer**

properties	isRef	0
	content	simple
annotation	documentation	
	Unique identifier of the subject where the edit action was applied	

element **RevisionType/Record_Type**

type	restriction of xs:string	
properties	isRef	0
	content	simple
facets	enumeration	Term
	enumeration	Note
	enumeration	Subject
annotation	documentation	
	Indicates if the action was applied to the overall subject, note or term	

element **RevisionType/Action**

type	restriction of xs:string	
properties	isRef	0
	content	simple
facets	enumeration	added
	enumeration	created
	enumeration	updated
	enumeration	moved
	enumeration	deleted
annotation	documentation	
	Description of the action performed	

element **RevisionType/Date_Time**

type	xs:dateTime	
properties	isRef	0
	content	simple
annotation	documentation	
	Date and time of the action	

element **RevisionType/Public_Note**

type	xs:string	
properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple
annotation	documentation	
	Additional information related the the edit action	