

The J. Paul Getty Trust

# Getty Vocabularies Web Services

Beta Version 3.0 User Instructions

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# Getty Vocabularies Web Services User Instructions

## For Version Beta 3.0

**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/](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](http://www.getty.edu/research/conducting_research/vocabularies/download.html)) which is updated yearly.

**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](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/](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](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/](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_role.xsd)

[http://vocabsservices.getty.edu/Schemas/ULAN/ulan\\_nationality.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](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/](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_place_type.xsd)

[http://vocabsservices.getty.edu/Schemas/TGN/tgn\\_nationality.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](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>
```

## 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&param=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
	<a href="#">Subject_ID</a>	<b>xs:integer</b>	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	<b>xs:string</b>	
properties	isRef	0
	content	simple
	documentation	
annotation		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/Languages**

properties	isRef	0
	minOcc	0
	maxOcc	1
	content	complex

### element **TermType/Languages/Preferred\_Language**

type	<b>xs:string</b>	
properties	isRef	0
	minOcc	0
	maxOcc	unbounded
	content	simple
annotation	documentation	Indicates the preferred term for a particular language

### element **TermType/Languages/Non-Preferred\_Language**

type	<b>xs:string</b>	
properties	isRef	0
	minOcc	0
	maxOcc	unbounded
	content	simple
annotation	documentation	Indicates when a term is used by a particular language

### element **TermType/Qualifier**

type	<b>xs:string</b>	
properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple
annotation	documentation	Label to disambiguate homophones 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	<b>xs:string</b>	
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	<b>xs:string</b>	
properties	isRef	0
	content	simple
annotation	documentation	Indicates whether or not a term is preferred by a particular contributor

**element TermType/Term\_ID**

type	<b>xs:integer</b>	
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	<a href="#"><u>SourceType</u></a>	
properties	isRef	0
	content	complex

### element **TermType/Term\_Sources/Term\_Source/Page**

type	<b>xs:string</b>
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 <b>xs:string</b>
properties	isRef 0 minOcc 0 maxOcc 1 content simple
facets	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	<b>xs:string</b>
properties	isRef 0 content simple
annotation	documentation The term

## B.2 Schema **AATGetTermMatch.xsd**

schema location: [Http://vocabsservices.getty.edu/Schemas/AAT/AATGetTermMatch.xsd](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	<b>xs:integer</b>
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	<b>xs:string</b>	
properties	isRef	0
	content	simple
annotation	documentation	The preferred term of the overall subject

### element **Vocabulary/Subject/Preferred\_Parent**

type	<b>xs:string</b>	
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	<b>xs:integer</b>	
properties	isRef	0
	content	simple
annotation	documentation	Unique identifier for a subject record

### element **Vocabulary/Subject/Term**

type	<b>xs:string</b>	
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](http://vocabsservices.getty.edu/Schemas/AAT/AATGetSubject.xsd)  
attribute form default: **unqualified**  
element form default: **qualified**

Elements	Complex types	Simple types
<a href="#">Vocabulary</a>	<a href="#">ParentType</a>	<a href="#">Geog_Date</a>
	<a href="#">RevisionType</a>	<a href="#">Historic_Flag_Value</a>
	<a href="#">SourceType</a>	<a href="#">Historical_Date</a>
	<a href="#">TermType</a>	<a href="#">Merged_Status_Value</a>

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  
documentation  
annotation Historical start date of relationship

element

**Vocabulary/Subject/Associative\_Relationships/Associative\_Relationship/AR\_Date/End\_Date**

type [Geog\\_Date](#)  
properties isRef 0  
content simple  
documentation  
annotation 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  
documentation  
annotation 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 enumeration Both  
enumeration Current  
enumeration Historical  
enumeration N/A  
enumeration Undetermined  
documentation  
annotation 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  
documentation  
annotation 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\_Note**

properties isRef 0  
minOcc 0  
maxOcc 1  
content complex

element **Vocabulary/Subject/Descriptive\_Note/Note\_Text**

type **xs:string**

properties isRef 0  
content simple

annotation documentation  
Subject descriptive note

element **Vocabulary/Subject/Descriptive\_Note/Note\_Contributors**

properties isRef 0  
minOcc 0  
maxOcc 1  
content complex

element **Vocabulary/Subject/Descriptive\_Note/Note\_Contributors/Note\_Contributor**

properties isRef 0  
minOcc 0  
maxOcc unbounded  
content complex

element

**Vocabulary/Subject/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\_Note/Note\_Sources**

properties	isRef	0
	minOcc	0
	maxOcc	1
	content	complex

element **Vocabulary/Subject/Descriptive\_Note/Note\_Sources/Note\_Source**

properties	isRef	0
	minOcc	0
	maxOcc	unbounded
	content	complex

element **Vocabulary/Subject/Descriptive\_Note/Note\_Sources/Note\_Source/Source**

type	<a href="#">SourceType</a>	
properties	isRef	0
	content	complex

element **Vocabulary/Subject/Descriptive\_Note/Note\_Sources/Note\_Source/Page**

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

element **Vocabulary/Subject/Merged\_Status**

type	<a href="#">Merged_Status_Value</a>	
properties	isRef	0
	content	simple
facets	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	<a href="#">ParentType</a>
------	----------------------------

properties	isRef	0
	content	complex

element **Vocabulary/Subject/Parent\_Relationships/Non-Preferred\_Parent**

type	<a href="#">ParentType</a>	
properties	isRef	0
	minOcc	0
	maxOcc	unbounded
	content	complex

element **Vocabulary/Subject/Record\_Type**

type	restriction of <b>xs:string</b>	
properties	isRef	0
	content	simple
	default	Concept
facets	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	<b>xs:string</b>	
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  
documentation  
annotation Free text entry field for information relating to subject-to-source relationship

element **Vocabulary/Subject/Terms**

properties isRef 0  
content complex  
documentation  
annotation 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  
documentation  
annotation Unique ID number of parent record

element **ParentType/Relationship\_Type**

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

### element **ParentType/Historic\_Flag**

type	restriction of <b>xs:string</b>
properties	isRef 0 minOcc 0 maxOcc 1 content simple
facets	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	<b>xs:string</b>
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	<b>xs:string</b>
properties	isRef 0 content simple
annotation	documentation Label for relationship date information

### element **ParentType/Parent\_Date/Start\_Date**

type	<a href="#">Geog_Date</a>
properties	isRef 0 content simple
annotation	documentation Historical start date of parent/child relationship

### element **ParentType/Parent\_Date/End\_Date**

type	<a href="#">Geog_Date</a>
properties	isRef 0 content simple
annotation	documentation Historical end date of parent/child relationship

### complexType **RevisionType**

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

element **RevisionType/Revision\_ID**

type	<b>xs:unsignedLong</b>
properties	isRef 0 content simple

element **RevisionType/Aspect**

type	restriction of <b>xs:string</b>
properties	isRef 0 content simple
facets	enumeration subject enumeration scope note enumeration Term enumeration Associative Relationships

element **RevisionType/Action**

type	<b>xs:string</b>
properties	isRef 0 content simple

element **RevisionType/User\_Name**

type	<b>xs:string</b>
properties	isRef 0 minOcc 0 maxOcc 1 content simple

element **RevisionType/Date**

type	<b>xs:string</b>
properties	isRef 0 content simple

element **RevisionType/Note**

type	<b>xs:string</b>
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	<b>xs:string</b>
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 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 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 enumeration Both  
enumeration Current  
enumeration Historical  
enumeration N/A

annotation documentation  
Flag indicating the historical status of the term

### element **TermType/Languages**

properties isRef 0

minOcc 0  
maxOcc 1  
content complex

#### element **TermType/Languages/Preferred\_Language**

type **xs:string**  
properties isRef 0  
minOcc 0  
maxOcc unbounded  
content simple  
annotation documentation  
Indicates the preferred term for a particular language

#### element **TermType/Languages/Non-Preferred\_Language**

type **xs:string**  
properties isRef 0  
minOcc 0  
maxOcc unbounded  
content simple  
annotation documentation  
Indicates when a term is used by a particular language

#### element **TermType/Other\_Flags**

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

#### element **TermType/Qualifier**

type **xs:string**  
properties isRef 0  
minOcc 0  
maxOcc 1  
content simple  
annotation documentation  
Label to disambiguate homophones 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	<a href="#">SourceType</a>	
properties	isRef	0
	content	complex

element **TermType/Term\_Sources/Term\_Source/Page**

type	<b>xs:string</b>	
properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple

element **TermType/Term\_Sources/Term\_Source/Preferred**

type	restriction of <b>xs:string</b>	
properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple
facets	enumeration	Preferred
	enumeration	Non Preferred
	enumeration	Unknown
	enumeration	Alternate Preferred

element **TermType/Term\_Text**

type	<b>xs:string</b>	
properties	isRef	0
	content	simple
annotation	documentation	The term

element **TermType/Term\_Type**

type	restriction of <b>xs:string</b>	
properties	isRef	0
	content	simple
facets	enumeration	Descriptor
	enumeration	Alternate Descriptor
	enumeration	Used For Term
annotation	documentation	Term type

### element **TermType/Vernacular**

type	restriction of <b>xs:string</b>
properties	isRef 0
	content simple
	default Undetermined
facets	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 <b>xs:integer</b>
annotation	documentation Years of geographic or geologic events

### simpleType **Historic\_Flag\_Value**

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

### simpleType **Historical\_Date**

type	restriction of <b>xs:integer</b>
annotation	documentation Years recording historical events

### simpleType **Merged\_Status\_Value**

type	restriction of <b>xs:string</b>
facets	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](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  
documentation  
annotation 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](http://vocabsservices.getty.edu/Schemas/AAT/AATGetMergedSubjectID.xsd)  
attribute form default: **unqualified**  
element form default: **qualified**

Elements [Vocabulary](#) Complex types [Merged\\_SubjectType](#)

element **Vocabulary**  
properties content complex

### element **Vocabulary/Merge\_Count**

type **xs:integer**  
properties isRef 0  
content simple  
documentation  
annotation 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  
documentation  
annotation 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	Complex types	Simple types
<a href="#">Vocabulary</a>	<a href="#">ParentType</a>	<a href="#">Geog_Date</a>

### element **Vocabulary**

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

### element **Vocabulary/Subject**

properties	isRef	0				
	content	complex				
attributes	Name	Type	Use	Default	Fixed	annotation
	<a href="#">Subject_ID</a>	<b>xs:integer</b>	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

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  
documentation  
annotation Unique ID number of parent record

element **ParentType/Relationship\_Type**

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

element **ParentType/Parent\_String**

type **xs:string**  
properties isRef 0  
content simple  
documentation  
annotation 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	<b>xs:string</b>	
properties	isRef	0
	content	simple
annotation	documentation	Label for relationship date information

element **ParentType/Parent\_Date/Start\_Date**

type	<a href="#">Geog_Date</a>	
properties	isRef	0
	content	simple
annotation	documentation	Historical start date of parent/child relationship

element **ParentType/Parent\_Date/End\_Date**

type	<a href="#">Geog_Date</a>	
properties	isRef	0
	content	simple
annotation	documentation	Historical end date of parent/child relationship

simpleType **Geog\_Date**

type	restriction of <b>xs:integer</b>
annotation	documentation Years of geographic or geologic events

## B.7 Schema **AATGetChildren.xsd**

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

Elements	Complex types
<a href="#">Vocabulary</a>	<a href="#">ChildType</a>

element **Vocabulary**

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

element **Vocabulary/Subject**

properties	isRef	0
	content	complex

attributes	Name	Type	Use	Default	Fixed	annotation
	<a href="#">Subject_ID</a>		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	<a href="#">ChildType</a>							
properties	isRef	0	minOcc	0	maxOcc	unbounded	content	complex

element **Vocabulary/Subject/Child\_Relationships/Non-Preferred\_Child**

type	<a href="#">ChildType</a>							
properties	isRef	0	minOcc	0	maxOcc	unbounded	content	complex

complexType **ChildType**

element **ChildType/Child\_Subject\_ID**

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

element **ChildType/Preferred\_Term**

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

element **ChildType/Historic\_Flag**

type	restriction of <b>xs:string</b>							
properties	isRef	0	content	simple				
facets	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	<b>xs:string</b>	
properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple
annotation	documentation	Label for relationship date information

## B.8 Schema **AATGetRevisionHistory.xsd**

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

Elements	Complex types
<a href="#">Vocabulary</a>	<a href="#">RevisionType</a>

### 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	<a href="#">RevisionType</a>	
properties	isRef	0
	minOcc	1
	maxOcc	unbounded
	content	complex

### complexType **RevisionType**

#### element **RevisionType/Subject\_id**

type	<b>xs:integer</b>	
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

## 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 [Vocabulary](#)  
 Complex types [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	<b>xs:string</b>	
properties	isRef	0
	content	simple
	documentation	
annotation		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/Languages**

properties	isRef	0
	minOcc	0
	maxOcc	1
	content	complex

### element **TermType/Languages/Preferred\_Language**

type	<b>xs:string</b>	
properties	isRef	0
	minOcc	0
	maxOcc	unbounded
	content	simple
annotation	documentation	Indicates the preferred term for a particular language

### element **TermType/Languages/Non-Preferred\_Language**

type	<b>xs:string</b>	
properties	isRef	0
	minOcc	0
	maxOcc	unbounded
	content	simple
annotation	documentation	Indicates when a term is used by a particular language

### element **TermType/Qualifier**

type	<b>xs:string</b>	
properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple
annotation	documentation	Label to disambiguate homophones 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**

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

**element TermType/Term\_ID**

type	<b>xs:integer</b>	
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	<a href="#"><u>SourceType</u></a>	
properties	isRef	0
	content	complex

### element **TermType/Term\_Sources/Term\_Source/Page**

type	<b>xs:string</b>
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 <b>xs:string</b>
properties	isRef 0 minOcc 0 maxOcc 1 content simple
facets	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	<b>xs:string</b>
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	<b>xs:integer</b>
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	<b>xs:string</b>	
properties	isRef	0
	content	simple
annotation	documentation	The preferred term of the overall subject

#### element **Vocabulary/Subject/Preferred\_Parent**

type	<b>xs:string</b>	
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	<b>xs:integer</b>	
properties	isRef	0
	content	simple
annotation	documentation	Unique identifier for a subject record

#### element **Vocabulary/Subject/Term**

type	<b>xs:string</b>	
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
<a href="#">Vocabulary</a>	<a href="#">BiographyType</a>	<a href="#">Geog_Date</a>
	<a href="#">EventType</a>	<a href="#">Historic_Flag_Value</a>
	<a href="#">NationalityType</a>	<a href="#">Historical_Date</a>
	<a href="#">ParentType</a>	<a href="#">Merged_Status_Value</a>
	<a href="#">RoleType</a>	
	<a href="#">SourceType</a>	
	<a href="#">TermType</a>	

element **Vocabulary**  
 properties content complex

element **Vocabulary/Subject**

properties	isRef	0					
	minOcc	1					
	maxOcc	unbounded					
	content	complex					
attributes	Name	Type	Use	Default	Fixed	annotation	
	<a href="#">Subject_ID</a>	<b>xs:integer</b>	required			documentation	
						Unique	
						identification	
						number of an	
						ULAN record	

attribute **Vocabulary/Subject/@Subject\_ID**

type	<b>xs:integer</b>
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	<b>xs:string</b>
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  
documentation  
annotation Historical start date of relationship

element

**Vocabulary/Subject/Associative\_Relationships/Associative\_Relationship/AR\_Date/End\_Date**

type [Geog\\_Date](#)  
properties isRef 0  
content simple  
documentation  
annotation 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  
documentation  
annotation 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 enumeration Both  
enumeration Current  
enumeration Historical  
enumeration N/A  
enumeration Undetermined  
documentation  
annotation 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  
documentation  
annotation 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	<b>xs:integer</b>	
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	<b>xs:string</b>	
properties	isRef	0
	content	simple
annotation	documentation	Contributor system ID number of related subject in the associative relationship

element **Vocabulary/Subject/Descriptive\_Note**

properties	isRef	0
	minOcc	0
	maxOcc	1
	content	complex

element **Vocabulary/Subject/Descriptive\_Note/Note\_Text**

type	<b>xs:string</b>	
properties	isRef	0
	content	simple
annotation	documentation	Subject descriptive note

element **Vocabulary/Subject/Descriptive\_Note/Note\_Contributors**

properties	isRef	0
	minOcc	0
	maxOcc	1
	content	complex

element **Vocabulary/Subject/Descriptive\_Note/Note\_Contributors/Note\_Contributor**

properties	isRef	0
	minOcc	0
	maxOcc	unbounded
	content	complex

element

**Vocabulary/Subject/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\_Note/Note\_Sources**

properties isRef 0  
minOcc 0  
maxOcc 1  
content complex

element **Vocabulary/Subject/Descriptive\_Note/Note\_Sources/Note\_Source**

properties isRef 0  
minOcc 0  
maxOcc unbounded  
content complex

element **Vocabulary/Subject/Descriptive\_Note/Note\_Sources/Note\_Source/Source**

type [SourceType](#)

properties isRef 0  
content complex

element **Vocabulary/Subject/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 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	<a href="#">ParentType</a>	
properties	isRef	0
	content	complex

element **Vocabulary/Subject/Parent\_Relationships/Non-Preferred\_Parent**

type	<a href="#">ParentType</a>	
properties	isRef	0
	minOcc	0
	maxOcc	unbounded
	content	complex

element **Vocabulary/Subject/Record\_Type**

type	restriction of <b>xs:string</b>	
properties	isRef	0
	content	simple
facets	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	<b>xs:string</b>	
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	<a href="#">SourceType</a>	
properties	isRef	0
	content	complex

element **Vocabulary/Subject/Subject\_Sources/Subject\_Source/Page**

type	<b>xs:string</b>	
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	<a href="#">TermType</a>	
properties	isRef	0
	content	complex

element **Vocabulary/Subject/Terms/Non-Preferred\_Term**

type	<a href="#">TermType</a>	
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	<a href="#">BiographyType</a>	
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 enumeration Male  
enumeration Female  
enumeration Other  
enumeration Unknown  
enumeration N/A  
annotation documentation  
Artist 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	<b>xs:string</b>	
properties	isRef	0
	content	simple
annotation	documentation	Label for event date information

element **EventType/Event\_Date/Start\_Date**

type	<a href="#">Historical Date</a>	
properties	isRef	0
	content	simple
annotation	documentation	Historical start date of event

element **EventType/Event\_Date/End\_Date**

type	<a href="#">Historical Date</a>	
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	<b>xs:string</b>	
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	<b>xs:unsignedShort</b>	
properties	isRef	0
	content	simple
annotation	documentation	Numerical nationality order

complexType **ParentType**

element **ParentType/Parent\_Subject\_ID**

type	<b>xs:integer</b>	
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 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 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	<a href="#">Geog_Date</a>
properties	isRef 0 content simple
annotation	documentation Historical end date of parent/child relationship

### complexType **RoleType**

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

### element **RoleType/Role\_ID**

type	<b>xs:string</b>
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 <b>xs:string</b>
properties	isRef 0 minOcc 0 maxOcc 1 content simple
facets	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	<b>xs:string</b>
properties	isRef 0 content simple
annotation	documentation Label for role date information

### element **RoleType/Role\_Date/Start\_Date**

type	<a href="#">Geog_Date</a>
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  
documentation  
annotation 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  
documentation  
annotation 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 enumeration N/A  
documentation  
annotation 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 enumeration Yes  
enumeration No  
enumeration N/A  
enumeration Index  
documentation  
annotation 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 <b>xs:string</b>	
properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple
facets	default	Current
	enumeration	Both
	enumeration	Current
	enumeration	Historical
annotation	documentation	Flag indicating the historical status of the term

### element **TermType/Languages**

properties	isRef	0
	minOcc	0
	maxOcc	1
	content	complex

### element **TermType/Languages/Preferred\_Language**

type	<b>xs:string</b>	
properties	isRef	0
	minOcc	0
	maxOcc	unbounded
	content	simple
annotation	documentation	Indicates the preferred term for a particular language

### element **TermType/Languages/Non-Preferred\_Language**

type	<b>xs:string</b>	
properties	isRef	0
	minOcc	0
	maxOcc	unbounded
	content	simple
annotation	documentation	Indicates when a term is used by a particular language

### element **TermType/Other\_Flags**

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

### element **TermType/Qualifier**

type	<b>xs:string</b>
------	------------------

properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple
annotation	documentation	
		Label to disambiguate homophones 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**

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

#### element **TermType/Term\_Date/Start\_Date**

type	<a href="#"><b>Historical Date</b></a>	
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  
documentation  
annotation Historical end date of term use

**element TermType/Term\_ID**

type **xs:integer**  
properties isRef 0  
content simple  
documentation  
annotation 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 enumeration Preferred  
enumeration Non Preferred  
enumeration Unknown  
enumeration Alternate Preferred

### element **TermType/Term\_Text**

type	<b>xs:string</b>	
properties	isRef	0
	content	simple
annotation	documentation	
	The term	

### element **TermType/Term\_Type**

type	restriction of <b>xs:string</b>	
properties	isRef	0
	content	simple
facets	enumeration	N/A
annotation	documentation	
	Term type	

### element **TermType/Vernacular**

type	restriction of <b>xs:string</b>	
properties	isRef	0
	content	simple
	default	Undetermined
facets	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 <b>xs:integer</b>	
annotation	documentation	
	Years of geographic or geologic events	

### simpleType **Historic\_Flag\_Value**

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

### simpleType **Historical\_Date**

type	restriction of <b>xs:integer</b>	
annotation	documentation	
	Years recording historical events	

### simpleType **Merged\_Status\_Value**

type	restriction of <b>xs:string</b>	
facets	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  
documentation  
annotation      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  
documentation  
annotation      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  
documentation  
annotation Unique identifier of a subject record before being merged

element **Merged\_SubjectType/New\_Subject\_id**

type **xs:integer**  
properties isRef 0  
content simple  
documentation  
annotation 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  
documentation  
annotation 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 [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 Name Default Fixed annotation  
[Subject\\_ID](#) **xs:integer** required documentation  
Unique  
identification  
number of an

**attribute Vocabulary/Subject/@Subject\_ID**

type	<b>xs:integer</b>	
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	<a href="#">ParentType</a>	
properties	isRef	0
	content	complex

**element Vocabulary/Subject/Parent\_Relationships/Non-Preferred\_Parent**

type	<a href="#">ParentType</a>	
properties	isRef	0
	minOcc	0
	maxOcc	unbounded
	content	complex

**complexType ParentType****element ParentType/Parent\_Subject\_ID**

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

**element ParentType/Relationship\_Type**

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

**element ParentType/Historic\_Flag**

type	restriction of <b>xs:string</b>	
properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple
facets	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

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

### element **Vocabulary**

properties content complex

### element **Vocabulary/Subject**

properties	isRef	0					
	content	complex					
attributes	Name	Type	Use	Default	Fixed		annotation
	<a href="#">Subject_ID</a>		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	<a href="#">ChildType</a>	
properties	isRef	0
	minOcc	0
	maxOcc	unbounded
	content	complex

### element **Vocabulary/Subject/Child\_Relationships/Non-Preferred\_Child**

type	<a href="#">ChildType</a>	
properties	isRef	0
	minOcc	0
	maxOcc	unbounded
	content	complex

### complexType **ChildType**

#### element **ChildType/Child\_Subject\_ID**

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

#### element **ChildType/Preferred\_Term**

type	<b>xs:string</b>	
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 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

## D.8 Schema **ULANGetRevisionHistory.xsd**

schema location: <http://vocabsservices.getty.edu/Schemas/ULAN/ULANGetRevisionHistory.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  
documentation  
annotation 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  
documentation  
annotation Description of the action performed

element **RevisionType/Date\_Time**

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

element **RevisionType/Public\_Note**

type **xs:string**  
properties isRef 0  
minOcc 0  
maxOcc 1  
content simple  
documentation  
annotation 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&nationid=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&param=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 [Vocabulary](#)  
 Complex types [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
	<a href="#">Subject_ID</a>	<b>xs:integer</b>	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/Languages**

properties isRef 0  
minOcc 0  
maxOcc 1  
content complex

### element **TermType/Languages/Preferred\_Language**

type **xs:string**  
properties isRef 0  
minOcc 0  
maxOcc unbounded  
content simple  
annotation documentation  
Indicates the preferred term for a particular language

### element **TermType/Languages/Non-Preferred\_Language**

type **xs:string**  
properties isRef 0  
minOcc 0  
maxOcc unbounded  
content simple  
annotation documentation  
Indicates when a term is used by a particular language

### element **TermType/Qualifier**

type **xs:string**  
properties isRef 0  
minOcc 0  
maxOcc 1  
content simple  
annotation documentation  
Label to disambiguate homophones 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	<b>xs:string</b>	
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	<b>xs:string</b>	
properties	isRef	0
	content	simple
annotation	documentation	Indicates whether or not a term is preferred by a particular contributor

**element TermType/Term\_ID**

type	<b>xs:integer</b>	
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	<a href="#"><u>SourceType</u></a>	
properties	isRef	0
	content	complex

### element **TermType/Term\_Sources/Term\_Source/Page**

type	<b>xs:string</b>	
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 <b>xs:string</b>	
properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple
facets	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	<b>xs:string</b>	
properties	isRef	0
	content	simple
annotation	documentation	The term

## F.2 Schema **TGNGetTermMatch.xsd**

schema location: [Http://vocabsservices.getty.edu/Schemas/TGN/TGNGetTermMatch.xsd](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	<b>xs:integer</b>	
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	<b>xs:string</b>	
properties	isRef	0
	content	simple
annotation	documentation	The preferred term of the overall subject

### element **Vocabulary/Subject/Preferred\_Parent**

type	<b>xs:string</b>	
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	<b>xs:integer</b>	
properties	isRef	0
	content	simple
annotation	documentation	Unique identifier for a subject record

### element **Vocabulary/Subject/Term**

type	<b>xs:string</b>	
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](http://vocabsservices.getty.edu/Schemas/TGN/TGNGetSubject.xsd)  
attribute form default: **unqualified**  
element form default: **qualified**

Elements  
[Vocabulary](#)

Complex types  
[Latitude\\_ReferenceType](#)  
[Longitude\\_ReferenceType](#)  
[ParentType](#)  
[Place\\_TypeType](#)  
[SourceType](#)  
[TermType](#)

Simple types  
[Geog\\_Date](#)  
[Historic\\_Flag\\_Value](#)  
[Historical\\_Date](#)  
[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
	<a href="#">Subject_ID</a>	<b>xs:integer</b>	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  
documentation  
annotation Historical start date of relationship

element

**Vocabulary/Subject/Associative\_Relationships/Associative\_Relationship/AR\_Date/End\_Date**

type [Geog\\_Date](#)  
properties isRef 0  
content simple  
documentation  
annotation 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  
documentation  
annotation 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 enumeration Both  
enumeration Current  
enumeration Historical  
enumeration N/A  
enumeration Undetermined  
documentation  
annotation 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  
documentation  
annotation 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	<b>xs:integer</b>	
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	<b>xs:string</b>	
properties	isRef	0
	content	simple
annotation	documentation	Contributor system ID number of related subject in the associative relationship

element **Vocabulary/Subject/Descriptive\_Note**

properties	isRef	0
	minOcc	0
	maxOcc	1
	content	complex

element **Vocabulary/Subject/Descriptive\_Note/Note\_Text**

type	<b>xs:string</b>	
properties	isRef	0
	content	simple
annotation	documentation	Subject descriptive note

element **Vocabulary/Subject/Descriptive\_Note/Note\_Contributors**

properties	isRef	0
	minOcc	0
	maxOcc	1
	content	complex

element **Vocabulary/Subject/Descriptive\_Note/Note\_Contributors/Note\_Contributor**

properties	isRef	0
	minOcc	0
	maxOcc	unbounded
	content	complex

element

**Vocabulary/Subject/Descriptive\_Note/Note\_Contributors/Note\_Contributor/Contributor\_id**

type	<b>xs:string</b>
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\_Note/Note\_Sources**

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

**element Vocabulary/Subject/Descriptive\_Note/Note\_Sources/Note\_Source**

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

**element Vocabulary/Subject/Descriptive\_Note/Note\_Sources/Note\_Source/Source**

type	<a href="#">SourceType</a>
properties	isRef 0 content complex

**element Vocabulary/Subject/Descriptive\_Note/Note\_Sources/Note\_Source/Page**

type	<b>xs:string</b>
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
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**element Vocabulary/Subject/Coordinates/Standard/Latitude**

type	<a href="#">Latitude_ReferenceType</a>
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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	<b>xs:string</b>
properties	isRef 0 minOcc 0 maxOcc 1 content simple
annotation	documentation Facet code

### element **Vocabulary/Subject/Merged\_Status**

type	<a href="#">Merged_Status_Value</a>
properties	isRef 0 content simple
facets	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	<a href="#">ParentType</a>
properties	isRef 0 content complex

### element **Vocabulary/Subject/Parent\_Relationships/Non-Preferred\_Parent**

type	<a href="#">ParentType</a>
properties	isRef 0 minOcc 0 maxOcc unbounded content complex

### element **Vocabulary/Subject/Record\_Type**

type	restriction of <b>xs:string</b>
properties	isRef 0 content simple
facets	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

element **Vocabulary/Subject/Subject\_Contributors/Subject\_Contributor/Contributor\_id**

type	<b>xs:string</b>	
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	<a href="#">SourceType</a>	
properties	isRef	0
	content	complex

element **Vocabulary/Subject/Subject\_Sources/Subject\_Source/Page**

type	<b>xs:string</b>	
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	<a href="#">TermType</a>	
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/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**

properties	isRef	0
	content	simple
facets	enumeration	North
	enumeration	South

**element Latitude\_ReferenceType/Decimal**

type	restriction of <b>xs:decimal</b>	
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 <b>xs:integer</b>	
properties	isRef	0
	content	simple

**element Longitude\_ReferenceType/Minutes**

type	restriction of <b>xs:integer</b>	
properties	isRef	0
	content	simple

**element Longitude\_ReferenceType/Seconds**

type	restriction of <b>xs:integer</b>	
properties	isRef	0
	content	simple

**element Longitude\_ReferenceType/Direction**

type	restriction of <b>xs:string</b>	
properties	isRef	0
	content	simple
facets	enumeration	East
	enumeration	West

**element Longitude\_ReferenceType/Decimal**

type	restriction of <b>xs:decimal</b>	
properties	isRef	0
	content	simple

**complexType ParentType**

**element ParentType/Parent\_Subject\_ID**

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

### element **ParentType/Relationship\_Type**

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

### element **ParentType/Historic\_Flag**

type	restriction of <b>xs:string</b>
properties	isRef 0 minOcc 0 maxOcc 1 content simple
facets	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	<b>xs:string</b>
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	<b>xs:string</b>
properties	isRef 0 content simple
annotation	documentation Label for relationship date information

### element **ParentType/Parent\_Date/Start\_Date**

type	<a href="#">Geog_Date</a>
properties	isRef 0 content simple
annotation	documentation Historical start date of parent/child relationship

### element **ParentType/Parent\_Date/End\_Date**

type	<a href="#">Geog_Date</a>
------	---------------------------

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

### complexType **Place\_TypeType**

annotation	documentation	Place_Type type for the Place type element
------------	---------------	--

### element **Place\_TypeType/Place\_Type\_ID**

type	<b>xs:string</b>	
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	<a href="#">Historic_Flag_Value</a>	
properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple
facets	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	<b>xs:string</b>	
properties	isRef	0
	content	simple
annotation	documentation	Label for place type date information

### element **Place\_TypeType/PT\_Date/Start\_Date**

type	<a href="#">Geog_Date</a>	
properties	isRef	0
	content	simple
annotation	documentation	Historical start date of the place type

### element **Place\_TypeType/PT\_Date/End\_Date**

type	<a href="#">Geog_Date</a>	
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 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 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 <b>xs:string</b>	
properties	isRef	0
	minOcc	0
	maxOcc	1
	content	simple
facets	default	Current
	enumeration	Both
	enumeration	Current
	enumeration	Historical
annotation	documentation	N/A
	Flag indicating the historical status of the term	

### element **TermType/Languages**

properties	isRef	0
	minOcc	0
	maxOcc	1
	content	complex

### element **TermType/Languages/Preferred\_Language**

type	<b>xs:string</b>	
properties	isRef	0
	minOcc	0
	maxOcc	unbounded
	content	simple
annotation	documentation	Indicates the preferred term for a particular language

### element **TermType/Languages/Non-Preferred\_Language**

type	<b>xs:string</b>	
properties	isRef	0
	minOcc	0
	maxOcc	unbounded
	content	simple
annotation	documentation	Indicates when a term is used by a particular language

### element **TermType/Other\_Flags**

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

### element **TermType/Qualifier**

type	<b>xs:string</b>	
properties	isRef	0
	minOcc	0
	maxOcc	1

annotation      content    simple  
documentation  
Label to disambiguate homophones 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	<a href="#">Historical Date</a>
properties	isRef 0 content simple
annotation	documentation Historical end date of term use

element **TermType/Term\_ID**

type	<b>xs:integer</b>
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	<a href="#">SourceType</a>
properties	isRef 0 content complex

element **TermType/Term\_Sources/Term\_Source/Page**

type	<b>xs:string</b>
properties	isRef 0 minOcc 0 maxOcc 1 content simple

element **TermType/Term\_Sources/Term\_Source/Preferred**

type	restriction of <b>xs:string</b>
properties	isRef 0 minOcc 0 maxOcc 1 content simple
facets	enumeration Preferred enumeration Non Preferred enumeration Unknown enumeration Alternate Preferred

### element **TermType/Term\_Text**

type	<b>xs:string</b>	
properties	isRef	0
	content	simple
annotation	documentation	
	The term	

### element **TermType/Term\_Type**

type	restriction of <b>xs:string</b>	
properties	isRef	0
	content	simple
facets	enumeration	Adjectival
	enumeration	Noun
	enumeration	Both
annotation	documentation	
	Term type	

### element **TermType/Vernacular**

type	restriction of <b>xs:string</b>	
properties	isRef	0
	content	simple
	default	Undetermined
facets	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 <b>xs:integer</b>	
annotation	documentation	
	Years of geographic or geologic events	

### simpleType **Historic\_Flag\_Value**

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

### simpleType **Historical\_Date**

type	restriction of <b>xs:integer</b>	
annotation	documentation	
	Years recording historical events	

### simpleType **Merged\_Status\_Value**

type	restriction of <b>xs:string</b>	
------	---------------------------------	--

facets	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](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  
documentation  
annotation Unique identifier of a subject record before being merged

element **Merged\_SubjectType/New\_Subject\_id**

type **xs:integer**  
properties isRef 0  
content simple  
documentation  
annotation 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  
documentation  
annotation 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 [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 Name Default Fixed annotation documentation Unique identification  
[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 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 enumeration Current  
enumeration Historical  
enumeration Both  
enumeration N/A

enumeration Undetermined  
documentation  
annotation Flag indicating the historical status of the parent/child relationship

### element **ParentType/Parent\_String**

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

### element **ParentType/Parent\_Date/Start\_Date**

type [Geog\\_Date](#)  
properties isRef 0  
content simple  
documentation  
annotation Historical start date of parent/child relationship

### element **ParentType/Parent\_Date/End\_Date**

type [Geog\\_Date](#)  
properties isRef 0  
content simple  
documentation  
annotation Historical end date of parent/child relationship

### simpleType **Geog\_Date**

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

## F.7 Schema **TGNGetChildren.xsd**

schema location: [Http://vocabsservices.getty.edu/Schemas/TGN/TGNGetChildren.xsd](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

### element **Vocabulary/Subject**

properties	isRef	0					
	content	complex					
attributes	Name	Type	Use	Default	Fixed		annotation
	<a href="#">Subject_ID</a>		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	<a href="#">ChildType</a>		
properties	isRef	0	
	minOcc	0	
	maxOcc	unbounded	
	content	complex	

### element **Vocabulary/Subject/Child\_Relationships/Non-Preferred\_Child**

type	<a href="#">ChildType</a>		
properties	isRef	0	
	minOcc	0	
	maxOcc	unbounded	
	content	complex	

### complexType **ChildType**

#### element **ChildType/Child\_Subject\_ID**

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

#### element **ChildType/Preferred\_Term**

type	<b>xs:string</b>		
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 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

## F.8 Schema **TGNGetRevisionHistory.xsd**

schema location: [Http://vocabsservices.getty.edu/Schemas/TGN/TGNGetRevisionHistory.xsd](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