TAXII 1.0 Errata

June 21, 2013

This document notes and corrects all know errors in the normative specifications associated with TAXII 1.0. Specifically, this document contains errata for:

- TAXII Services Specification 1.0
- TAXII XML Message Binding Specification 1.0
- TAXII HTTP Protocol Binding Specification 1.0

Implementers and users of TAXII 1.0 should integrate the described changes in their designs.

This is a living document and will evolve as additional errors are discovered in the identified specifications. Each release of this document is assigned a date indicating the time of the latest update. In addition, the Release Record at the end of this document indicates which errata were added in each release of this document.

To aid implementers, all errata in this document are assigned a unique ID. Each specification has its own identifier format, so errata can be tracked against each version of each spec. For the three specifications covered by this document, the errata IDs are:

Specification	Errata ID Format
TAXII Services Specification 1.0	TAXII-Serv-1.0-Err-*NN*
TAXII XML Message Binding Specification 1.0	TAXII-XML-1.0-Err-*NN*
TAXII HTTP Protocol Binding Specification 1.0	TAXII-HTTP-1.0-Err-*NN*

In all cases, *NN* is a 2-digit number.

Contents

TAXII Services Specification 1.0

No known errors at this time.

TAXII XML Message Binding Specification 1.0

TAXII-XML-1.0-Err-01: Section 3.10 - @feed_name and @subscription_id should be required

In Section 3.10 (TAXII Inbox Message) the table indicates that, within the `<Source_Subscription>` element, the `@feed_name` and `@subscription_id` attributes may each appear 0 or 1 times. However, in the TAXII Services Specification, both the Feed name and Subscription ID fields are listed as required within the Subscription Information structure. Since the XML binding does not define a meaning for this field when either of these attributes are absent, this represents a contradiction.

The TAXII XML Message Binding Specification is in error. The section of the table should read as follows:

XML Name	Data Model Name	#	Value
...	...	...	...
`<Source_Subscription>`	Subscription Information	0-1	This field contains only the indicated child fields.
`@feed_name`	Feed Name	1	An XML AnyURI containing the Feed Name for the TAXII Data Feed.
`@subscription_id`	Subscription ID	1	An XML AnyURI containing a Subscription ID value.

The above table reflects that, if an Inbox Message is being sent in fulfillment of a subscription, both the name of the feed and the identifier of that subscription are necessary to place the content in appropriate context.

NOTE: Within the same `<Source_Subscription>` element the `<Inclusive_Begin_Timestamp>` element has a count (#) of 0-1, but in the TAXII Services Specification the Inclusive Begin Timestamp Label is listed as required. This is NOT an error. The XML Message Binding Specification defines a special meaning when `<Inclusive_Begin_Timestamp>` is absent. Specifically, "If this field is absent, it indicates the response covers the earliest content within the Data Feed." As such, regardless of whether or not the `<Inclusive_Begin_Timestamp>` element is present, the Inclusive Begin Timestamp Label field has a value. Thus the XML structure is optional while the field in the data model is required.

TAXII-XML-1.0-Err-02: Section 3.8 - Incorrect Data Model Name for <Content_Binding>

In the list of fields in section 3.8 (TAXII Poll Request), the `<Content_Binding>` element is associated with a Data Model Field with the name of "Supported Content". However, in the TAXII Services Specification, the corresponding field is named "Content Binding" rather than "Supported Content".

The TAXII XML Message Binding Specification is in error. The section of the table should read as follows:

XML Name	Data Model Name	#	Value
…	…	…	…
`<Content_Binding>`	Content Binding	0-n	An XML AnyURI containing a Content Binding ID. Each instance indicates an acceptable binding for content in the Poll Response message. If there are no instances of this field, this indicates that all content bindings are acceptable.

TAXII-XML-1.0-Err-03: Sections 3.5, 3.7, and 3.9 - <Extended_Headers> is incorrectly required in some messages

The `<Extended_Headers>` element is associated with the optional Extended-Header field in the TAXII message header. Extended-Header fields are always optional according to the TAXII Services Specification. However, in the TAXII XML Message Binding Specification the TAXII Feed Information Response (Section 3.5), TAXII Manage Feed Subscription Response (Section 3.7), and the TAXII Poll Response (Section 3.9) messages all give the `<Extended_Headers>` element a count of "1". Since the child `<Extended_Header>` elements all have counts of 1-n, this would mean that these messages require at least one Extended-Header field.

The TAXII XML Message Binding Specification is in error. In all cases, the `<Extended_Headers>` element should appear as follows:

XML Name	Data Model Name	#	Value
…	…	…	…
`<Extended_Headers>`	Extended-Header	0-1	Contains one or more `<Extended_Header>` elements.
`<Extended_Header>`	Extended-Header	1-n	The body of this element supports mixed content and MAY contain any XML, as described in Section **Error! eference source not found.**.
@name	Extended-Header	1	An XML AnyURI with the name of this extended header.

Note that the XML schema associated with the TAXII XML Message Binding Specification did not contain this error and is correct as-is.

TAXII-XML-1.0-Err-04: Section 3.8 - Incorrect data type of @subscription_id in Poll Request

In the TAXII XML Message Binding, the @subscription_id attribute within a TAXII Poll Request Message is described as "An XML string". All other @subscription_id fields in other TAXII messages are "An XML AnyURI".

The description in the TAXII Poll Request Message is in error. All instances of the @subscription_id attribute in the XML message binding should use the XML AnyURI data type.

XML Name	Data Model Name	#	Value
…	…	…	…
`@subscription_id`	Subscription ID	0-1	An XML ==AnyURI== containing a Subscription ID value.

Note that the XML schema associated with the TAXII XML Message Binding Specification did not contain this error and is correct as-is.

TAXII HTTP Protocol Binding Specification 1.0

TAXII-HTTP-1.0-Err-01: Section 7 - Mismatch between recommended Discovery Service URL and example

In section 7 (Recommended Configurations), the specification provides a recommended Discovery Service URL of '"http://" + your domain + "/taxii-discovery-service/"'. However, the following line gives an example of "http://example.com/TaxiiDiscoveryService/".

The example is incorrect, the text should read as follows:

Discovery Service URL = "http://" + your domain + "/taxii-discovery-service/"

==Example: http://example.com/taxii-discovery-service/==

Release record

May 23, 2013
- TAXII-XML-1.0-Err-01: Section 3.10 - @feed_name and @subscription_id should be required
- TAXII-XML-1.0-Err-02: Section 3.8 - Incorrect Data Model Name for <Content_Binding>
- TAXII-HTTP-1.0-Err-01: Section 7 - Mismatch between recommended Discovery Service URL and example

June 18, 2013
- TAXII-XML-1.0-Err-03: Sections 3.5, 3.7, and 3.9 - <Extended_Headers> is incorrectly required in some messages

June 21, 2013
- TAXII-XML-1.0-Err-04: Section 3.8 - Incorrect data type of @subscription_id in Poll Request