



RIXML Interactions Standard v2.0 DRAFT revision document

RIXML Interactions Standard Version 2.0

as of March 27, 2019

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Introduction

This document provides the tags that are proposed for version 2.0 of the RIXML Interactions Standard.

Version 2.0 of the Interactions Standard will be a major update, incorporating feedback that we received after release of v1.0 of the standard.

One of the key changes is that the Interactions Standard will utilize tags and tag sets (simple and complex elements, attributes, and complex types) from the common schema currently utilized by the other RIXML standards, mainly the RIXML Research Standard. Initially, the Interactions Working Group felt that there was not significant overlap between the tags needed for interactions records and research content; however, the enhancement, change, and clarification requests that were received after the release of 1.0 revealed that there was more overlap than originally thought.

Making this major change will break backward compatibility, and while we do not take this lightly, we feel that the benefits outweigh the risks, and that making these changes now will be better than needing to potentially make them in the future.

About the Common Schema

[This section has been developed for the Data Dictionary; however, there are some related questions for Technical team. Questions are highlighted below:](#)

The RIXML Research Standard contains significantly more tags than the current Interactions standard. In order to keep all of the content organized, and to make it easier for firms to implement, it is broken down into three separate schema files:

- the “main” schema file contains the overall structure of the schema, as well as any tags needed uniquely for tagging research content.
- the “common” schema file contains tags that can be used in more than one RIXML standard, or ones that are perceived as potentially useful now or in the future to different types of content. Because the common schema contains a superset of tags needed across our various standards, not all tags in the common schema apply or are used by any one RIXML standard.

[QUESTION: will the changes to the Common schema need to appear as a v2.6 Research Standard release that occurs at the same time as the Interactions v2.0 release? If so, will that need to be part of the 30-day comment period?](#)

- the “data types” schema file contains all of the enumeration lists – the values allowed in the restricted list tags.

[QUESTION: will there be one RIXML data type file for the enumeration lists for all standards, or one per standard?](#)

Currently, the Research, Roster Updates, and Coverage Updates standards all use the “common” schema for most of their tags, and the “data types” schema holds all enumeration lists.

Thus, many of the changes in v2.0 will simply involve updating the Interactions schema to refer to the appropriate tags/tag sets in the common schema, and adding the enumeration lists to the “data types” schema file. The *Interactions Data Dictionary* and documentation within the main Interactions XSD will provide clarification on which tags are relevant for that standard and which should be used.

Section 1: About this working document

This document is intended to provide the Technical Team with the information gathered in the v2.0 development process. It includes some questions/comments/observations about certain decisions that would be best handled by those with the technical expertise. In addition, although the terms *tags*, *elements*, *attributes*, *complex elements*, *complex types*, etc. are used throughout the document, they are used fairly interchangeably and tentatively; the Technical Team should implement each tag as whatever suits it best (or, in the case of existing tags, as whatever type of tag it already is).

This working document contains the tentative set of tags for inclusion in the RIXML Interactions v2.0 standard, including tags from the existing standard, tags from the RIXML common schema, and new tags. Section 3 of this document provides the tentative full set of tags for inclusion in Interactions Standard 2.0. The technical team creating the schema may also need to make minor adjustments, and there are some notes to the technical team about specific issues/questions included where relevant. One specific issue the technical team will need to determine is whether any of the tags that the Interactions standard will be referencing from the Common schema are required in the common schema, but designated as optional for Interactions.

[NOTE TO THE TECHNICAL TEAM: the *Clarifications* section below will be included in the Data Dictionary, but is included here as background information about methodology:](#)

Clarifications

What are elements, attributes, complex elements, and complex types?

Simple elements, attributes, complex elements, and complex types are the building blocks of an XML schema. They are sometimes referred to generically in this document as *tags* and *tag sets*. The tags are organized in a tree structure. At a high level:

- a simple element is a tag that does not have any further granularity – no other tags appear under it in the tree structure
- an attribute is a way of providing additional information about the content contained in an element. This can also be accomplished by use of an element nested within another element, see below.
- a complex element is an element that has one or more attributes or other elements nested within it
- in this document, the term complex type refers specifically to a complex element that has been given a name to enable it to be used more than once – either multiple times in the Interactions standard, or in more than one RIXML standards.

Elements vs. attributes

This document does not make a distinction between elements and attributes. The technical team will make the determination of whether each tag should be defined as an element or an attribute. This determination should be made with the intent of keeping the rationale used across all RIXML standards consistent. For the purpose of this discussion document, simple elements and attributes are both referred to as simple elements (or simply as elements). The final documentation will refer to elements and attributes using the same convention used in the Research Data Dictionary (Elements begin with upper case; attributes begin with lower case).

Complex elements vs. complex types

Likewise, the determination of whether a complex element should become a named complex type will be left to the discretion of the technical team. In this discussion document, these are referred to as both complex elements and container elements. The final documentation will refer to each tag/tag set utilizing the correct terminology.

Required tags

In all RIXML standards, the number of required tags is kept to a minimum, as a record missing a required tag will be rejected, so too many required tags can make it difficult to implement a standard. Many of the tags are listed as Required, but are only required IF the tag set that the tag is a part of is used. For example, the RelatedProduct tag set is optional; however, if a record uses it, the relatedProductID is required. The relatedProductID is not required in any record that does not use the RelatedProduct tag set.

Common schema vs. Interactions main schema

The main Interactions schema will contain the overall structure of the standard, and will contain references to the common schema and data types file. The common schema will be used for as many tags and tag sets as possible, to facilitate re-use of these tags within the Interactions standard and in any other RIXML standards that might benefit from them.

Definitions

Tag definitions and definitions for enumeration list items that are in the existing Common schema may have definitions that are research-specific. These definitions will be updated before the Interactions v2.0 release to refer to Interactions content in the appropriate manner.

Inconsistencies between Research & Interactions and other outstanding issues

There are a few issues remaining from the change request spreadsheet that may be best decided by the Technical team, as follows:

Change request #13

The Research standard uses the term *PublisherDefined* in enumeration lists that allow for an off-list term to be used, whereas the Interactions Standard uses the term *Other* – we will need to discuss whether *PublisherDefined* could be used as the term across all RIXML Interactions.

Bear in mind that an end user will never see the term *PublisherDefined* – it will be used behind-the-scenes. Any user-facing interface or report will provide a user-friendly way of capturing and/or revealing content that uses *PublisherDefined* and/or *Other*.

Change request #14

Any enumeration list that allows for use of the term *Other* must provide a mechanism for defining what the other term actually is: in the common schema, any enumeration list-constrained tag that allows for *PublisherDefined* also includes an element/attribute called *PublisherDefinedValue*, where this information is stored.

Change request #23

There are several different date and date/time tag types used, some XML standards, some defined in the common schema, and some in the Interactions standard. The technical team should review all date and date/time tags and ensure that RIXML has an overall strategy and rationale of what tag types to use in different situations.

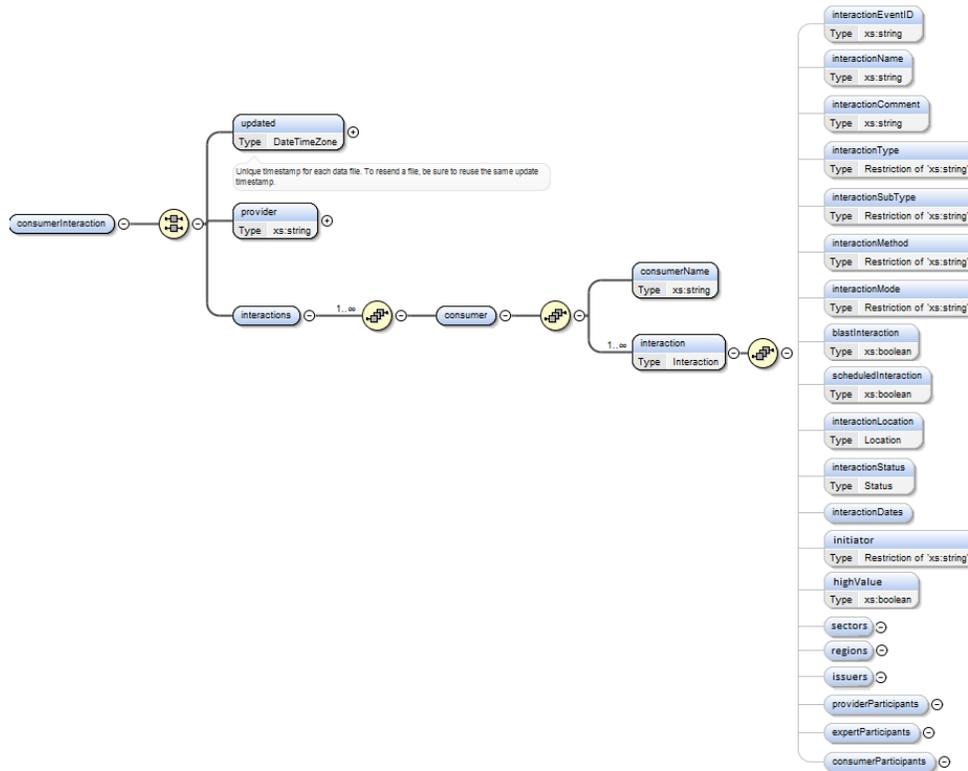
Unnumbered request

The Research Standard has defined a datatype called *YesNoEnum* used in several places where a yes/no flag is required; in the Interactions Standard, the XML standard *Boolean* type is used instead.

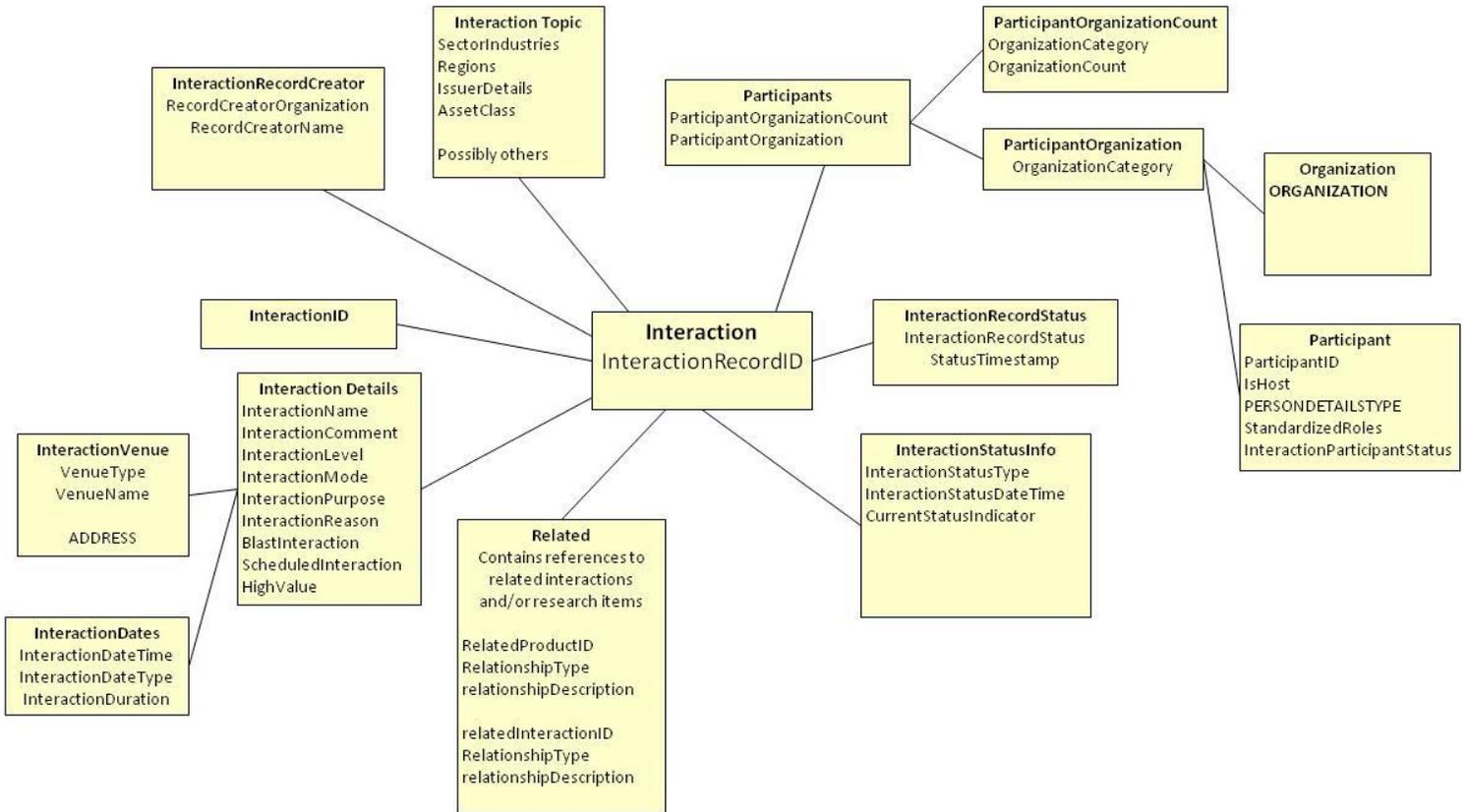
Section 2: Comparison of high-level structures: current Interactions, proposed Interactions, and current Research Standard

For reference, below are the high-level structures:

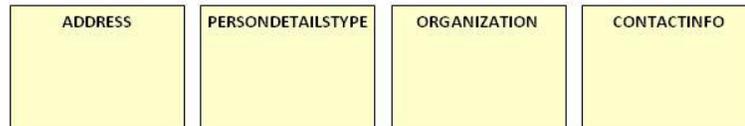
CURRENT high-level Interactions Standard map:



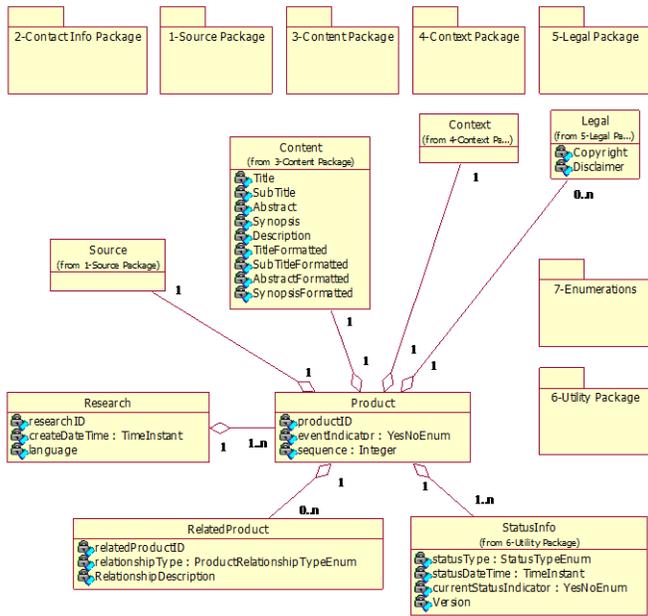
PROPOSED high-level Interactions Standard map:



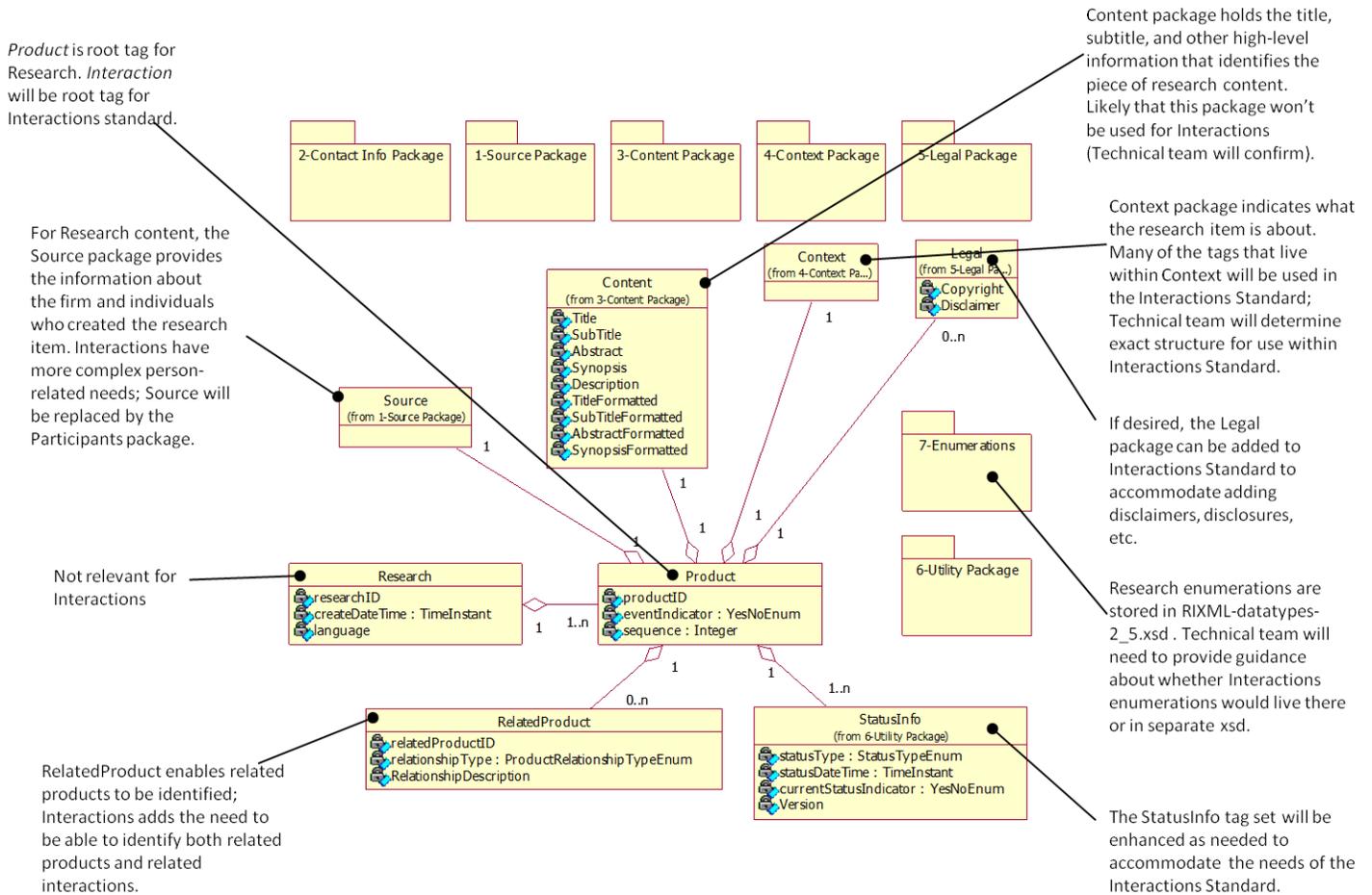
FROM COMMON SCHEMA:



CURRENT high-level Research Standard map:



Relationship between high-level structure of Research and NEW Interactions Standards:



Section 3: Proposed Interaction Elements

This section provides the list of all simple and complex elements in the RIXML Interactions Standard.

Interaction

modified from current Interactions standard

This is the root tag for an interaction record. An interaction is an electronic or in-person communication between two or more participant firms (referred to as *organizations* in this standard). These include, but are not limited to, interactions that must be reported to comply with MiFID II regulations.

Simple Elements and Attributes:

interactionRecordID (Required, String)

new tag

Unique identifier used to identify the interaction record. In cases where an event included multiple interaction consumers, there will be separate interaction record sent to each consumer firm that contains only the attendee information for attendees from that firm. This InteractionRecordID tag is the unique identifier for the record itself, and will be required. In interactions where more than one consumer firm has participated (a blast email, a breakout session at a conference, etc.), the InteractionID and all other information contained in the record will be the identical, except for the consumer participant information and the unique identifier contained in this InteractionRecordID tag. Thus, this is the unique identifier for this specific interaction + the participant information contained in this record. Any status changes, etc. provided to the consumer firm about this interaction should maintain the same InteractionRecordID, using multiple timestamped Status entries (see below) to track the changes. Use of a Universal Unique Identifier (UUID), as described on page 21 of the RIXML Research Data Dictionary, is recommended.

Question for Technical Team: would it be beneficial for interactionRecordID and interactionID to be related in the same way as Research is to Product in Research standard? (where interactionRecordID = Product and interactionID = Research? There are similarities/differences that we may wish to discuss.

interactionID (Highly Recommended, String)

modified from current Interactions standard

The identifier that uniquely identifies the interaction being described in the interaction record. In cases where there is only one record, the same unique identifier can be used for interactionID and interactionRecordID; when there are multiple, then interactionID will be the same for each record, and the interactionRecordID will be a unique identifier for the record itself. Note that:

1. the RelatedInteractionID tag references the interactionID tag. Although the interactionID tag is not required, it is necessary for the tag to be populated in any record for which the RelatedInteractionID would like to make a connection.
2. In cases where an interaction is a sub-event of a larger event, there will be an interaction record for each. In the sub-event record, the interactionID tag is used for the sub-event, and the *Related* container element (see below) provides the information for the parent event. Similarly, the parent event will have an interaction record, with references to the sub-event(s) indicated in the *Related* container element. Other events that are considered related can also be indicated, if desired.

~~**Initiator** (Highly recommended, [initiatorEnum](#))~~

~~*modified from current Interactions standard*~~

~~Identifies whether the interaction was initiated by the interaction provider, consumer, or a third-party corporate participant. Not required, but highly recommended to include this element for the initiator of the interaction; can be omitted or set to False for other participants. [NOTE: removing this from here, adding flag to participant complex element.]~~

Complex Elements:

InteractionRecordCreator (Required, [InteractionRecordCreator](#) complex element)

InteractionDetails (Required, [InteractionDetails](#) complex element)

Participants (Required, [Participants](#) complex element, multiples allowed)

InteractionStatusInfo (Required, [InteractionStatusInfo](#) complex element, multiples allowed)

InteractionTopic (Optional, [InteractionTopic](#) complex element, multiples allowed)

Related (Optional, [RelatedType](#) complex element, multiples allowed)

[TIMESTAMP – need technical team to determine implementation, ensuring implementation similar to that used in Research standard]

[Legal (Optional, Legal complex type) – possible addition for future release]

[Feedback (Optional, Feedback complex type) – possible addition for future release]

interactionRecordCreator

new tag

Indicates the name of the person who created the Interaction record. Appears here rather than in the *Participant* container element because the record creator may have no other role in the interaction (e.g., an administrative assistant to the interaction host). In cases where the record creator is also a participant, the person would appear in both locations. It will use the *Person* complex element from the Common XSD.

Complex elements:

RecordCreatorOrganization (Required, [OrganizationType](#) complex type)

new tag

Firm name for the person who created the record. Uses [OrganizationType](#) complex type from common schema, which only requires firm name. Additional elements and attributes can be used, if desired, but are not required.

RecordCreatorName (Required, [PersonDetailsType](#) complex type)

The name of the person who created the record.

InteractionDetails complex element

This will be the container element containing information about the interaction itself.

Simple Elements and Attributes:

InteractionName (Required, String) tag exists in current Interactions standard

The “title” of the interaction, a name or short description that all participants would recognize to identify or describe the event. Does not need to be unique.

InteractionComment (Optional, String) tag exists in current Interactions standard

Free text comment field.

InteractionPurpose (Optional, [InteractionPurposeEnum](#)) renamed from InteractionType

The type of meeting interaction from the standpoint of assigning value to the meeting. interaction – analyst marketing, model, deal roadshow, etc.

InteractionLevel (Optional, [InteractionLevelEnum](#)) tag exists in current Interactions standard

Indicates whether the interaction was interactive, one-directional, or was a delivered (electronic or physical) product.

~~**InteractionMethod** (Optional, [InteractionMethodEnum](#)) tag exists in current Interactions standard~~

~~Indicates whether the method of the interaction was transfer of research, delivery of electronic data, or an interaction between individuals. **REPLACED BY InteractionLevel**~~

InteractionMode (Optional, [InteractionModeEnum](#)) tag exists in current Interactions standard

Enumeration list field that indicates the manner in which an interaction occurred (in person, email, data feed, etc.).

InteractionReason (Optional, [InteractionReasonEnum](#)) tag exists in current Interactions standard

[Potential alternative name: InteractionOrigin] Indicates whether the interaction was initiated by the consumer, was initiated by the provider with a specific consumer in mind, or was initiated by the provider for a more general audience.

BlastInteraction (Optional, Boolean) tag exists in current Interactions standard

Flag to indicate whether the interaction is considered a blast interaction by the interaction provider. ~~Used in conjunction with InteractionMode, but only used if mode~~ Applies only to InteractionModes of VoiceMail or Email, and only if the voicemail or email was distributed to multiple firms (or was not customized for an individual person/firm). For all other InteractionModes, this tag should be omitted entirely rather than being set to No.

ScheduledInteraction (Optional, Boolean) tag exists in current Interactions standard

Flag to identify whether an interaction is delivered on a regular basis (data feed, etc).

HighValue (Optional, Boolean) tag exists in current Interactions standard

Flag to indicate whether the interaction provider predicts the interaction to be perceived as high value by the interaction consumer, or has been told by the interaction consumer that it should be tagged as such.

Complex Elements:

InteractionDates (Required, InteractionDates complex element, multiples allowed)

InteractionVenue (Optional, InteractionVenue complex type) modified from current Interactions standard

InteractionDates

tag exists in current Interactions standard

Container element containing details of the dates(s) associated with the interaction. These are the dates related to the interaction itself (start date/time, end date/time, etc.), not timestamps related to the interaction record. Each interaction record requires at least one date.

Complex elements:

InteractionDate (Required, Multiples allowed, [InteractionDateDetails](#) complex type) tag exists as "Date" complex type in current Interactions standard

InteractionDateDetails

complex type defined in current Interactions standard

Complex type containing the information pertaining to each instance of an interactionDate tag used in an interaction record. All elements are optional; however, there should be one instance of either InteractionDateTime OR InteractionDuration each time this complex type is used. Note that there is no mechanism in the standard to ensure consistency between an interaction's start/end time and the duration indicated in the InteractionDuration element; this consistency must be built into systems using this standard. [NOTE: There is a standard XML type called "date" so this complex type has been renamed to interactionDateDetails]

Simple Elements and Attributes:

InteractionDateTime (Optional, dateTime XML type)

Timestamp representing the date/time type indicated in the interactionDateType.

InteractionDateType (Optional, [interactionDateTypeEnum](#))

Type of interaction date/time represented by the interactionDateTime timestamp.

InteractionDuration (Optional, integer)

Duration of interaction, expressed in minutes.

InteractionVenue

tag exists in current Interactions standard

Container element containing details of the location associated with the interaction (when relevant). For interactions that do not occur in person (phone calls, voicemail, data feed, etc.) , this tag should be omitted rather than left blank. Container element for the venue information for the interaction.

Complex Elements:

Venue (Required, Venue Complex Type)

tag exists in current Interactions standard

Venue

tag exists in current Interactions standard

Complex type containing details of a venue.

Simple Elements and Attributes:

VenueType (Required, [venueTypeEnum](#))

tag exists in current Interactions standard

This is used to indicate the type of venue for the interaction.

VenueName (Required, String)

tag exists in current Interactions standard

Name of venue for the interaction.

Complex Elements:

Address (Required, [Address](#) Complex Element)

tag exists in current common schema

Participants complex element

This will be the container element containing information about the participants. A *participant organization* can be a participant with or without individuals being named separately; however, all individuals will be affiliated with a participant organization. For single-person entities (e.g., third party experts), the name of the individual can be used as the participant organization name, but the individual should also be referred to as an individual participant under the participant organization umbrella.

The Source package that exists in the common schema allows for (but does not require) a great deal of information about the individuals and firms participating in an interaction, including the areas of expertise for third-party experts – thus addressing several of the change requests we have received.

NOTE FOR TECHNICAL TEAM: several of these tags have been renamed replacing the term "firm" with "organization" based on feedback we received noting an inconsistency between the use of the term "organization" in the Research & common schema vs. the use of "firm" in the Interactions schema. Some of these tag names are now quite long – is that a problem?

Complex Elements:

ParticipantOrganizationCount (Required, [ParticipantOrganizationCount](#) complex element, multiples allowed)

ParticipantOrganization (Required, [ParticipantOrganization](#) complex element, multiples allowed)

ParticipantOrganizationCount

new tag

Complex element used to record the number of firms participating in an interaction.

COMMENT FOR TECHNICAL TEAM: this set of tags has been modified slightly from prior versions of the v2.0 document in order to leverage the OrganizationCategoryEnum list, rather than creating a separate tag for each of the organization categories. This way, if we ever add a new value to the OrganizationCategoryEnum list, we won't need to add a new tag here.

Simple Elements and Attributes:

OrganizationCategory (Required, OrganizationCategoryEnum)

new tag

Indicates the type of organization being described. Each type of organization that occurs in the ParticipantOrganization complex element (below) should be captured.

OrganizationCount (Required, integer)

new tag

Integer indicating the number of organizations (firms, not individuals) of that type involved in the interaction.

- The number of Provider, Corporate, and Expert organizations should match the number of firms represented in the ParticipantOrganization tags below; however, the number of Consumer firms may not, since each consumer firm will only receive the consumer firm-related data for their own firm.
- There will generally be one interaction provider firm.
- The number of Interaction Consumer participants may not match the number of firms represented in the record provided to any individual consumer firm, as the consumer firm will only receive the consumer participant details for their own firm.
- There may or may not be corporate or expert participant firms.

ParticipantOrganization

tag exists in current Interactions standard

Complex element containing details of a **firm** participating in an interaction. Each firm will have one record with zero, one, or more than one people affiliated.

Simple Elements and Attributes:

OrganizationCategory (Required, [OrganizationCategoryEnum](#))

new tag

Organization types will include: provider, consumer, corporate, expert. Others can be added if needed.

Complex Elements:

Organization (Required, [OrganizationType](#) complex type, multiples allowed)

Participant (Optional, [Participant](#) complex type, multiples allowed)

Participant

modified from current Interactions standard

Container element for the information about each individual participating in the interaction.

Simple Elements and Attributes:

participantID (optional, String)

tag exists in current Interactions standard

A unique identifier used to identify each participant in the interaction. For accurate identification it is required that the personID be unique for a given publisher, but the implementation of the ID is left to the publishers to implement as they deem fit. Examples: email address, combination of LastName and FirstName, combination of internal employee ID and RIXML publisher ID. For interaction records that are submitted to or through third-party aggregator(s), the PersonLabel complex element (within the Person element) can be used to provide the person identifier required for each aggregator.

isHost (optional, Boolean)

tag exists in current Interactions standard

Optional flag to indicate whether an individual served as the host of the interaction. Should be omitted if the participant was not the host.

Complex Elements:

PersonDetails (Required, Multiples allowed, [PersonDetailsType](#) complex type)

Interactions standard

tag exists in current

StandardizedRoles (Required, Multiples allowed, StandardizedRole complex type)

current Interactions standard

name change from

InteractionParticipantStatus (Highly recommended, [InteractionParticipantStatusEnum](#))

from current

name change

Organization

in common schema; only relevant tags from common schema are listed

Describes an organization related to the interaction record. Multiple organizations are generally related to one interaction record – interaction provider and interaction consumer at a minimum.

Simple Elements and Attributes:

Description (Optional, String)

Optional description of the organization. Used to include any additional information about the organization.

LogoURL (Optional, UriReference)

Indicates the URL location of the logo of the organization.

sequence (Optional, Integer)

If there are multiple Organizations, and they should appear in a certain order when the content is published, indicate the desired order by associating the appropriate sequence number to each Organization.

primaryIndicator (Required, YesNoEnum)

modified from current Interactions standard

Indicates the primary organization relative to others that may be specified. When multiple organizations (subsidiaries of the same organization or different organizations) come together on a product, one must be listed as primary (generally the parent organization or the name of the joint venture).

QUESTION FOR TECHNICAL TEAM: This tag is required in the common schema, but isn't relevant for Interactions records. Is there a way to make this required for Research but not for Interactions?

type (Required, [OrganizationTypeEnum](#))

The type of the organization.

PublisherDefinedValue (Optional, String)

For the cases in which the type attribute has the value PublisherDefined, the PublisherDefinedValue element is used to hold the organization's own description of the type.

Complex Elements:

ContactInfo (Optional, [ContactInfoType](#) complex element, Multiples Allowed)

OrganizationID (Optional, [OrganizationID](#) complex element, Multiples Allowed)

OrganizationName (Required, [OrganizationName](#) complex element, Multiples Allowed)

~~**PersonGroup** (Optional, Multiples Allowed)~~ **[TECHNICAL TEAM: PLEASE CONFIRM OK TO DELETE]**

QUESTION FOR TECHNICAL TEAM: is it OK to omit PersonGroup for Interactions, as we are placing Person information in a different place?

Expertise (Optional, [Expertise](#) complex element)

OrganizationID

An identifier used to identify the organization -- multiple are possible. For example, for a product distributed via multiple vendors, each vendor may require a different OrganizationID, with the idType for each OrganizationID identifying the name of the vendor in the manner specified by the vendor. The actual ID is stored as free text in the content of the OrganizationID node.

A UUID can also be used as one of the IDs. This is to facilitate the unique identification of a particular organization. To ensure uniqueness it is recommended that a Universal Unique Identifier (UUID) be used as the productID. UUIDs can be generated on any computer, regardless of platform or operating system. A UUID is a 128-bit (16-byte) integer that is virtually guaranteed to be unique in the world across space and time. The Open Software Foundation (OSF) created UUIDs, as part of their Distributed Computing Environment (DCE).

Elements and Attributes:

idType (Required, String)

Indicates the type of ID used. Examples: CUSIP, VendorCode.

OrganizationName

The name of the organization. An organization can have multiple names as enumerated in the Name Types. At least one name is required for the content to be valid. Display name is the preferred name if only one name is provided.

Elements and Attributes:

nameType (Required, [OrganizationNameTypeEnum](#))

The name can be one of the following types - legal, local, display, or parent. Use Display if using only one nameType, unless one of the other nameTypes is preferred.

language (Optional, String)

Indicates the language of the name value given, described using the ISO 639-2/T Code. Overrides the language attribute on the Research element.

Expertise

The purpose of the Expertise element within the Organization element is to identify one or more areas of expertise offered by the **research-publishing organization [NOTE: text will be changed for final documentation]**. It would not serve to describe the content payload, but rather the expertise areas of the publisher. [CONFIRM whether the Expertise element from the common schema should be added; helps address enhancements requested in #40]

Aggregations:

PublishingLanguages (Optional)

Specialties (Optional)

AssetClasses (Optional)

AssetTypes (Optional)

SecurityTypes (Optional)

Regions (Optional)

Countries (Optional)

SectorIndustries (Optional)

Disciplines (Optional)

PersonDetailsType

tag exists in current common schema

Complex type collecting the information about each person participating in the interaction (including record creator).

Simple Elements and Attributes:

personID (Required, String)

tag exists in current common schema

An identifier used to identify the person. For accurate identification it is required that the personID be unique for a given publisher, but the implementation of the ID is left to the publishers to implement as they deem fit. Examples: combination of FamilyName and GivenName, combination of internal employee ID and RIXML publisher ID.

FamilyName (Required, String)

tag exists in current common schema

Indicates the family name of the person.

MiddleName (Optional, String)

tag exists in current common schema

Indicates the middle name of the person.

GivenName (Optional, String)

tag exists in current common schema

Indicates the given name of the person.

DisplayName (Optional, String)

tag exists in current common schema

Strongly Recommended. Indicates how the publisher or person wants the name to be presented, for example: Dr. John Doe Sr. CPA, CFA.

JobTitle (Optional, String)

tag exists in current common schema

Indicates the official title of the person within an organization -- e.g. Managing Director, Vice President, etc.

Division (Optional, String)

tag exists in current common schema

Indicates the division that the person officially works for within an organization.

JobRole (Optional, String)

tag exists in current common schema

Indicates the functional role played by the person relative to his/her job in the organization, for example, analyst, strategist, economist, etc.

QUESTION FOR TECHNICAL TEAM: should this be omitted in documentation/authorized tag set for Interactions, as it contains similar information as the StandardizedRole complex element that was developed for Interactions?

Biography (Optional, String)

tag exists in current common schema

Biographical information about the person. No markup permitted.

BiographyFormatted (Optional, String)

tag exists in current common schema

Biographical information about the person. Limited markup permitted - HTML code for paragraph, ordered lists and unordered lists with list items, bold, underline, and italics.

FamilyNameSuffix (Optional, String)

tag exists in current common schema

An accommodation for family name modifiers traditionally appearing after the person's name -- e.g. Jr., Sr., III.

Credentials (Optional, String)

tag exists in current common schema

An accommodation for credentials traditionally appearing after the person's name -- e.g. C.F.A., Ph.D., Esq.

PhotoResourceIDRef (Optional, String)

tag exists in current common schema

An XML Schema keyref that will link to a Resource element representing a small photograph image of the person. Value must match a Resource.resourceID in this Product.

Complex Elements:**ContactInfo** (Optional, ContactInfoType, Multiples Allowed)

tag exists in current common schema

PersonLabel (Optional, Multiples Allowed)

tag exists in current common schema

PersonDetailsAlternativeLanguages (Optional)

tag exists in current common schema

QUESTION FOR TECHNICAL TEAM: is it OK to omit PersonDetailsAlternativeLanguages for Interactions?

PersonLabel

This element can be used to include a label by which this person is known in the context named in the personLabelContext attribute. Useful for supplying author codes that have meaning on specific vendor platforms.

Elements and Attributes:**personLabelContext** (Optional, String)

This attribute must be used to indicate the specific context for the person label. This would typically be a mnemonic for an individual vendor platform in which the labeled person has a presence. For example, it may be useful for identifying authors of research contributed to a particular vendor platform. Here, a vendor is defined as an organization outside the buy-side and sell-side community of financial services firms which provides platforms or tools used by participants in the investment research economy.

InteractionParticipantStatus

name change from current

Indicates the status of the individual in the context of the interaction. (NOTE: not to be confused with the Status complex type, which contains information surrounding the status of the interaction itself. Participant Status should be updated (with timestamp) once meeting has occurred to ensure accurate recording of actual attendance. Any participant with status of *Accepted* should be updated once the interaction has occurred. A workflow could either include manually updating every individual participant to the appropriate post-interaction status (*no show, attended, etc.*), or that those who did NOT attend would be manually updated, and an automatic sweep would update everyone else to *Attended*.

Elements and Attributes:**StatusTimeStamp** (Required, TimelInstant)

new tag

Indicates the timestamp for the related status.

StandardizedRoles

tag exists in current Interactions standard

Element to capture the role associated with a participant, as expressed in a standardized list of options. Indicates the person's role within their firm, not role in the context of the interaction. (See free-text *JobTitle* tag for the person's company-defined title.)

Complex Elements:

StandardizedRole (Required, [StandardizedRoleEnum](#)) tag exists in current Interactions standard
Enumeration list-limited tag defining the person's role within his/her firm. May or may not match person's title. The RoleEnum list contains guidance regarding which roles are valid for each participant type (consumer, corporate, third party, or provider).

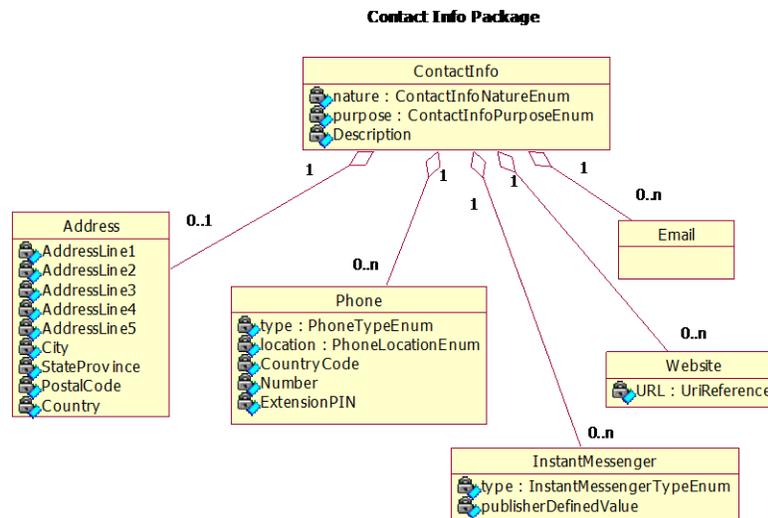
NOTE: tags have been renamed "standardizedRoles" and "StandardizedRole" for clarity and to avoid duplication of existing tag name in common schema.(RoleEnum is also used in Research Standard; however, it applies to the person's role in the context of the research item (author, etc.). Also, some roles are relevant to that standard's "event" concept (host, attendee, etc.). We will need to determine how to handle.

Contact Info Complex Type

tag set exists in current common schema

The ContactInfo section contains the contact information for an organization or person involved in an interaction or in creating a research product as defined in Source Details of a record. Can describe address, phone, email, IM and/or website contact information, at least one of which is required.

Class Diagram: Contact Info Details



ContactInfo

tag set exists in current common schema

The top-level element of the ContactInfo section.

Simple Elements and Attributes:

nature (Required, [ContactInfoNatureEnum](#))

Used to indicate the nature of the contact information - business or personal.

purpose (Optional, [ContactInfoPurposeEnum](#))

Describes the intended purpose of the contact information. Gives the reader an idea of what to expect on the far side.

Description (Optional, String)

A brief description of the contact information can be included here, if desired. This element is intended to pick up where the purpose attribute leaves off. It offers the ability to provide more detail.

Complex elements:

Address (Optional)

Email (Optional, Multiples Allowed)

Phone (Optional, Multiples Allowed)

Website (Optional, Multiples Allowed)

InstantMessenger (Optional, Multiples Allowed)

Address

tag exists in current common schema

Strongly Recommended. Describes the street address.

Elements and Attributes:

AddressLine1 (Required, String)

Indicates the first line of the street address.

AddressLine2 (Optional, String)

Indicates the second line of the street address.

AddressLine3 (Optional, String)

Indicates the third line of the street address.

AddressLine4 (Optional, String)

AddressLine5 (Optional, String)

City (Optional, String)

Indicates the city where the street address is located.

StateProvince (Optional, String)

Indicates the State/Province/Canton/County information of the address.

PostalCode (Optional, String)

Indicates the Postal code, quadrant, zone or Zip code.

Country (Required, String)

This field indicates the country, as it should be displayed.

Email

tag exists in current common schema

Strongly Recommended. Indicates the email address.

InstantMessenger

tag exists in current common schema

Describes an Instant Messenger address.

Simple Elements and Attributes:

type (Required, [InstantMessengerTypeEnum](#))

Indicates the Instant Messenger protocol type -- i.e. AIM, ICQ, MSN, SMS, Yahoo, etc.

publisherDefinedValue (Optional, String)

For specifying other IM systems.

Phone

tag exists in current common schema

Strongly Recommended. Describes the telephone, fax or pager numbers.

Elements and Attributes:

type (Required, [PhoneTypeEnum](#))

Phone numbers can be one of the following types - voice, fax, or pager.

location (Optional, [PhoneLocationEnum](#))

Describes the location of the phone at this number -- i.e. office, home, mobile.

CountryCode (Required, String)

Telephone country code for the phone number.

Number (Required, String)

Phone number including area code.

ExtensionPIN (Optional, String)

Used for extension number for a phone or a PIN. PINs are sometimes associated with pagers.

Website

tag exists in current common schema

Strongly Recommended. Provides a URI reference for a web site.

Elements and Attributes:

URL (Required, UriReference)

Web address associated with the person or organization.

InteractionTopic complex element

This will be the container element containing information about the topic of the interaction, including identifying the companies, regions, sectors, industries, etc. that are the topic of the interaction. Note that all of this information is optional; firms can include or omit this as desired to provide additional details about the interaction's purpose. Although this information could be contained in the InteractionName and/or InteractionComment fields, the InteractionTopic complex element will enable presenting this information in a structured format.

The Research standard defines an extremely robust structure for identifying the context (subject) of a research item, and most of the tags reside in the Common schema. However, using the entire *Context* package may not be the best fit for incorporating information about the topic of an interaction into the Interactions standard.

At a minimum, the Interactions standard should incorporate the following tag sets from the common schema, replacing the similar tags/tag sets in v1.0 of the Interactions Standard:

- AssetClass (description on page 56; enumeration list on page 70)
- Regions (See page 62 of the Research Standard Data Dictionary for tags included in the Region complex element.)
- SectorIndustries (See page 63 of the Research Standard Data Dictionary for tags included in the SectorIndustry complex element.)
- IssuerDetails (incorporates issuer IDs) See pages 46 and 48 of the Research Standard Data Dictionary for tags included in the IssuerDetails and Issuer complex elements. Not all tags will be relevant for the Interactions Standard.

The following additional tag sets should also be considered for inclusion:

- Discipline (description on page 47 of Research Standard v2.5 Data Dictionary; enumeration list on page 81)
- Subject (description on page 51; enumeration list on page 125)
- Index (description on page 48; enumeration list on page 84)
- Country (description on page 60; uses ISO 3166-1)
- AssetType (description on page 56; enumeration list on page 71)
- SecurityType (description on page 60; enumeration list on page 106)
- Currency (description on page 47; uses ISO 4217)
- Specialty (description on page 32; enumeration list on page 123)

The technical team implementing the v2.0 changes will decide how best to structure these tags.

RelatedType Complex Type

This will be the container element containing information about related interactions and/or research content.

Related interactions would include:

- the conference that a particular interaction is part of
- a prior interaction that this interaction is a follow up interaction to

Related research content would include:

- a data feed file
- a research report

In the common schema, *RelatedProduct* is a container element that holds the tags needed to identify a piece of research content that is related to the current research item. Technical Committee: please investigate whether we should place *RelatedProduct* within a higher-level container element, tentatively called *Related*, which would house both the existing *RelatedProduct* set of tags AND a new *RelatedInteraction* set of tags. Alternatively, the *RelatedProduct* container element could remain as-is, and a similar container element would be created for the *RelatedInteraction* tags. (This may be necessary at the current time, as there is not a Research Standard update currently scheduled.)

Complex Elements:

RelatedProduct (Optional, [RelatedProduct](#) complex element) tag exists in current common schema

RelatedInteraction (Optional, [RelatedInteraction](#) complex element) new tag

RelatedProduct

tag exists in current common schema

Describes how content contained in this product or interaction is associated with other products, or how content in other products is associated with this product or interaction. Can have none or any number of relationships to other products or interactions.

Elements and Attributes:

relatedProductID (Required, String) tag exists in current common schema

The unique productID of the product to which this product is related (as stored in Product.productID of the related document)

relationshipType (Required, [ProductRelationshipTypeEnum](#)) tag exists in current common schema

Indicates the type of relationship between this product and another product.

RelationshipDescription (Optional, String) tag exists in current common schema

The description of the relationship between the current product and the other product to which it is related.

RelatedInteraction

new tag

Describes how content contained in this interaction is associated with other interactions, or how content in other interactions is associated with this one. Can have none or any number of relationships to other interactions.

Elements and Attributes:

relatedInteractionID (Required, String)

new tag

The unique interactionID of the interaction to which this interaction is related (as stored in InteractionID of the related document).

relationshipType (Required, [InteractionRelationshipTypeEnum](#))

new tag

Indicates the type of relationship between this product or interaction and a related interaction.

RelationshipDescription (Optional, String)

new tag

The description of the relationship between the current interaction and the other interaction to which it is related.

Utility package (container element)

The Utility package from the Common.xsd schema contains the status information, along with other information that does not apply to interactions records (length of a document, etc.).

The Research Standard contains a tag set called StatusInfo that contains the status information relevant to a research item: the **status** + the **document version** (when needed) + a **timestamp** + a yes/no flag to indicate which status is the **current status**. These allow for creating a record trail as the status of a research item changes.

For Interactions, the “document version” concept does not apply. Additionally, the status options that apply to a research are very different than those of an interaction:

<u>Interaction status options:</u>	<u>Research status options:</u>
Accepted	Pending
Confirmed	Revised
Delivered	Recalled
New	Deleted
Offered	Published
Postponed	Rebroadcast
WaitListed	Released
(and others added during v2.0 discussion)	BackFilled
[TECHNICAL TEAM: should we add TagsUpdated, RevisedMaterialChange, RevisedNoMaterialChange for instances when the tagging or other information about the interaction has changed, but the actual interaction information has not?]	TagsUpdated
	RevisedMaterialChange
	RevisedNoMaterialChange

As such, we are recommending that the Interactions standard use a separate but similar tag set, made up of the following tags:

InteractionStatusInfo

modified from current Interactions standard

Container element for the status information for the interaction. Called InteractionStatus in v1.0 of standard; being renamed for consistency with Research status tags. As with the status tag in the Research standard, the status will pertain to the status of the interaction itself AND of any routine changes/updates to the interaction record. However, status information about individual participants will be located in the Participants area; additionally, information about the start/end date of the interaction will be housed in the InteractionDates area.

Simple Elements and Attributes:

interactionStatusType (Required, [interactionStatusTypeEnum](#)) tag exists in current Interactions standard

Indicates the status represented by the interactionStatusDate timestamp. Firms that will be using this schema to disseminate information exclusively for interactions that actually occurred will likely only use the *Delivered* status type. Firms that use this schema for internal systems and/or for disseminating information about events at various stages of interaction lifecycle will use the other enumerations as well. For clarity, it is recommended that firms either use just the final status of the interaction or provide the entire interaction lifecycle, rather than providing some (but not all) parts of the lifecycle.

InteractionStatusDateTime (Required, TimeInstant) modified from current Interactions standard

Indicates the date and time at which the status was assigned. It is expressed using ISO 8601 as refined by the World Wide Web Consortium's note <http://www.w3.org/TR/NOTE-datetime>. In addition, RIXML requires the use of Zulu time or Z-time (GMT +/- n hours:minute:seconds). All times are absolute and easier to compute, rather than using a relative (i.e. 08:30 +5) time. [TECHNICAL TEAM: confirm that this change to TimeInstant from DateTimeZone complex type, which has a timezone element for consistency across our standards.]

CurrentStatusIndicator (Required, Boolean) new tag

Indicates whether or not the statusType is current -- i.e. the most recent. Note that while a product can have multiple statuses, only one of them can be current.

Further analysis is needed regarding where the Tag complex type should live – should it be in Utility package?

Tag

Tags are key-value pairs that are used to add ad-hoc or custom information to an element.

TECHNICAL TEAM: confirm that Tag belongs in Utility package

Simple Elements and Attributes:

key (Required, String)

The name of the element that is being added to the record. Some third-party aggregators may provide specific **key** elements that they require. May also be used to provide information required by internal systems, or as needed to satisfy consumer-firm requirements.

value (Required, String)

The value of the element defined in the related **key** element.

scope (Required, String)

Optional element used to specify the conditions under which this key-value pair should be used. This can specify a particular output target or permissioning level.

Section 5: Standard XML Types

Standard XML Types

The following standard XML types are used in the RIXML Interactions Standard:

boolean

For fields that are defined as Boolean type, valid terms are:

1 (which indicates true)

0 (which indicates false)

date

Used for tags requiring a standard date/time stamp in format "YYYY-MM-DD"

dateTime

Used for tags requiring a standard date/time stamp in format "YYYY-MM-DDThh:mm:ss"

int

Used for tags requiring a signed 32-bit integer.

string

Used for free-text tag fields. Can contain letters, numbers, characters, spaces, line breaks, and tabs. Tags that are restricted strings are limited to the values provided in the associated enumeration list (see section 6 of this document).

Section 6: Enumeration lists

Listing of all the enumerated values used in any restricted string tags.

ContactInfoNatureEnum

list from current Research standard (in the common schema)

Describes the nature of the contact information -- i.e. business or personal.

Enumeration Values:

Personal

Contact's non-business data.

Business

Contact's business data.

ContactInfoPurposeEnum

list from current Research standard (in the common schema)

Describes the purpose of the contact information. Gives the reader an idea of what to expect on the far end.

Enumeration Values:

Participation

Participation -- as in a conference call or on-line forum.

Replay

Replay -- as in a replay capability for a past conference call or transcript of an on-line forum.

Operator

QuestionAnswer

For the purpose of a question and answer session, as in a conference call.

Registration

Contact information to be used to register for an event.

OrganizationCategoryEnum

NEW LIST in Interactions standard

Enumeration Values:

Consumer

Corporate

Expert

Provider

InitiatorEnum

list from current Interactions standard

Enumeration Values:

Consumer

Corporate

Provider

InteractionDateTypeEnum

list from current Interactions standard

Enumeration Values:

CancellationDate

DateDue

DateRequested

DeliveryDate

EndDate
ExpirationDate
InitialContactDate
StartDate
n/a

Need a term such as “DateOffered” or “DateProposed” for interactions that are being offered, but haven’t been accepted/approved by consumer.

InteractionLevelEnum

new

Enumeration Values:

OneDirectional

An interaction in which the presenter (the interaction provider or a corporate or expert attendee) is speaking or providing content, but the consumer attendees are not.

Interactive

An interaction in which there is a discussion, Q&A session, or other means for the interaction consumer to ask questions or provide input.

Deliverable

An interaction represented by the delivery of a report, data feed, model, or other tangible (print or electronic) outcome.

InteractionMethodEnum

~~list from current Interactions standard~~

Enumeration Values:

Electronic

~~Electronically delivered data.~~

Interaction

~~Interaction between individuals.~~

Research

~~Research originated content.~~

InteractionModeEnum

~~list from current Interactions standard~~

Enumeration Values:

BespokeData

~~Data delivered for a bespoke work request.~~

Call

Phone call.

DataFeed

Creation or update to an existing automated data set request.

Email

Electronic communication via email only, not IM.

IM

Electronic text communication via IM provider such as Bloomberg or Symphony.

Inperson

Meeting with participants physically present.

Model

Add definition (see model access, below)

Product

Add definition

Service

Add definition

Video

Video conference.

VoiceMail

Voicemail message.

PublisherDefined

Other type of meeting not fitting one of the above criteria.

InteractionReasonEnum

NEW in Interactions standard

Enumeration Values:

ConsumerRequested

Interaction that is occurring because the interaction consumer requested it.

OnSpec

Interaction that is occurring because the interaction provider has created it for a specific information consumer, but not at the consumer's specific request; may be based on the information provider's knowledge of the information consumer's preferences, needs, or interests.

NonDirected

Interaction created for or aimed at more than one client, or at a general audience rather than for a specific person or firm. Examples include conferences, research reports, blast voicemails, branded data feeds, etc.

InteractionParticipantStatusEnum

list from current Interactions standard

Enumeration Values:

Accepted

Attended

Canceled

LateCancel

NoShow

Rejected

InteractionRelationshipTypeEnum

NEW LIST

Enumeration Values:

ParentEvent

An interaction that is the umbrella event for the sub-event documented in this Interaction record.

SubEvent

An interaction that is a sub-event of the interaction documented in this Interaction record (breakout session, panel discussion, etc. An interaction record may have more than one sub-events.

AnnualEvent

For an annual interaction (conference, etc.), records for the prior or subsequent year/years.

InteractionStatusTypeEnum

list from current Interactions standard

Enumeration Values:

Accepted

Interaction invitation has been accepted by participant, but interaction has not occurred yet.

Confirmed

Definition TBD

Delivered

Requested information has been delivered, completing the interaction.

Declined

Interaction was offered, but was declined by the invitee. If additional distinction is needed to clarify the type of decline (e.g., not available vs. not interested), then tag the interaction with BOTH *Declined* AND *Other*, noting the interactions specific “decline type” there.

Invited

Participant has been invited to the Interaction, but participant hasn’t accepted, declined, etc.

New

Participant’s name has been added to the Interaction record, but participant hasn’t accepted, declined, etc.

Offered

Definition TBD. Is this the same as invited?

Postponed

Participant has requested postponement of the interaction.

Tentative

Participant has been notified of interaction, has not confirmed attendance. Generally indicates that the participant has expressed interest in this interaction before the interaction date/time was established..

WaitListed

Participant has been placed on waitlist for the interaction.

PublisherDefined

Other type of meeting not fitting one of the above criteria.

InteractionPurposeEnum

renamed from *InteractionType* in current *Interactions* standard

Enumeration Values:

AnalystMarketing

Planned in-person, video and audio meetings with research analyst and one or more other buy-side firms present. Excludes account review meetings, sales meetings, trader meetings and general (unscheduled) phone calls. Meaningful, unscheduled phone discussions should be tagged with *interactionTypeEnum = AnalystMarketing* AND *interactonMode = Call*.

BankerMeeting

Meeting hosted by research provider to discuss investment banking opportunities.

BespokeAccess

Client(s) being taken to visit a corporate to talk to their management team.

BespokeWork

One-off custom research project specifically requested by client and created solely for its use. Excludes company models, non-company models, comp sheets, organized meetings or the provision of automated data sets.

Conference

Meetings with any corporate at a broker-sponsored conference.

CorporateAccess

Interaction provider facilitating meeting between interaction consumer and corporate firm.

Content

Delivery of a single research item, model, comp sheet, survey result, or other data set. Excludes the provision of automated data feeds.

DealRoadshow

Meeting or call with a corporate that has an impending IPO or secondary offering in the works

ExpertMeeting

Meeting or call with current or former government official or industry expert regardless of venue or encompassing event.

FieldTrip

Visit to the working sites of a corporate.

Idea

Research idea. [DEFINITION CLARIFICATION NEEDED (submitted by Nancy Van Acker, KBC Group). Change request 37.]

InvestorDay

An Issuer planned event in which current or potential Investors will come visit headquarters in order to find out more about what is going on with the company – whether it be financials, new initiatives, etc. The Issuer (IR Admin) is responsible for the planning of the event / organizing the itinerary.

ModelAccess

~~The provision of an interactive spreadsheet forecasting company / non-company valuations, target prices, scenarios and / or outcomes. It excludes comp sheets and automatically generated quantitative data sets. Company name, ticker or suitable description to metadata should be added.~~

NonDealRoadshow

Meeting or Call with a corporate that does NOT have an impending IPO or secondary offering pending, generally at a client's office.

RelationshipMeeting

Interaction between a relationship manager and a client to discuss relationship or account reviews

Sales

Interaction with a sellside generalist salesperson.

SalesSpecialist

Interaction with a sellside specialist salesperson.

Social

Social event between the broker and investor (ex: sporting event).

PublisherDefined

For interaction types not otherwise captured in InteractionTypeEnum.

InstantMessengerTypeEnum

list from current Research standard (in the common schema)

Describes the sort of Instant Messenger contact information provided.

Enumeration Values:

AIM

America On-Line Instant Messenger.

ICQ

I-see-you.

MSN

The Microsoft Network.

SMS

Short Message Service.

Yahoo

Yahoo! Messenger.

PublisherDefined

Allows for IM systems not captured in the existing enumeration list. Use the corresponding publisherDefinedValue attribute.

OrganizationNameTypeEnum

list from current Research standard (in the common schema)

Enumeration Values:

Legal

The legal name of an organization.

Local

The local name of an organization.

Display

The name that is commonly associated with the company.

Parent

The name of the parent company, which may aid in searching and sorting of information.

OrganizationTypeEnum

list from current Research standard (in the common schema)

Indicates the type of the organization -- i.e. sell-side firm, buy-side firm, government, etc.

Enumeration Values:

SellSideFirm

BuySideFirm

Corporation

IndustryAssociation

An organization founded and funded by businesses that operate in a specific industry to promote common goals or foster collaboration or standardization between companies.

AcademicInstitution

An educational institution dedicated to education and research, which grants academic degrees.

Government

RatingAgency

A rating agency is a company that assigns ratings for issuers of certain types of securities as well as the securities themselves.

MarketResearchFirm

A market research firm is one that gathers information about markets or customers.

IndependentResearchProvider

An investment research provider that does not engage in investment banking, company consulting or research-for-hire.

Consultancy

An entity that provides professional or expert advice in a particular area.

Regulatory

A public authority or government agency responsible for exercising autonomous authority over some area of human activity in a regulatory or supervisory capacity.

MarketingAgency

An organization created by producers to try to market their product and increase consumption and thus prices.

WealthManager

A credentialed financial advisory professional that provides financial planning, investment portfolio management and other financial services to affluent long-term investors.

PublisherDefined

PhoneLocationEnum

list from current Research standard (in the common schema)

Describes the physical location of the phone device -- i.e. office, home, mobile.

Enumeration Values:

Office

Home

Mobile

PhoneTypeEnum

list from current Research standard (in the common schema)

Describes the type of the phone at this number. Indicates the phone technology -- i.e. voice, fax, pager, etc.

Enumeration Values:

Fax

Facsimile number.

Voice

Voice telephone number.

Pager

Pager number.

ProductRelationshipTypeEnum

list from current Research standard (in the common schema)

Enumeration Values:

BasedOn

A product's content is based on another product. Example: A report that is published is based on a morning call note.

PartOf

A product is part of another product. Examples: (1) A Portfolio Manager's Summary of a report, given to PMs, is part of the whole report. (2) An HSBC company report is 'part of' a Hong Kong banks industry initiation.

References

A product references another product. Examples: (1) A notation in a periodical (or weekly report) makes a 'reference' to a company report. (2) A company report 'references' an earlier company report on the same subject.

Replaces

This product is intended to directly replace the related product. Example: A company report issued in the afternoon corrects an error in an earlier publication. It 'replaces' the earlier report.

Requires

A product requires another product in order to make sense. Example: A chart may not make any sense without the accompanying text.

TranslationOf

A product that is a language translation of another product. Example: A report written originally in English is translated into Japanese language.

RelatedTo

A product that relates to another product or subject type, but is not necessary to understand this product. Example: An analyst writes more than one report on 'CAMELOT' valuation over a period of 1 year. The reports are 'related to' each other. They are not 'referenced' to each other per se, as they can be stand alone items on their own, and you do not need to read one before the other to understand what is being said.

RegionEnum

list from current Interactions standard

Enumeration Values:

Asia (ex-Japan)

Australia

EEMA

Japan

Latin America

MEA

North America

United States

StandardizedRoleEnum

list from current Interactions standard

There is one StandardizedRole enumeration list that contains the functional roles appropriate for all participant types (provider, corporate, third party, and consumer). The list below breaks the full list into categories to indicate which roles are appropriate for each participant type. Note that some roles are valid in more than one participant type; these appear in each of the appropriate lists below. Although best practice is to ensure that the “highest value” participant’s role is included in the interaction, the determination of what constitutes each participant’s (or participant type’s) relative value is left to the user.

Enumeration Values valid for CONSUMER participants:

BrokerLiason

Compliance

ConsumerAnalyst

ConsumerClientManagement

ConsumerCoordinator

ConsumerIT

ConsumerSales

DirectorOfResearch

PorfolioManager

PublisherDefined

Enumeration Values valid for CORPORATE participants:

BoardMember

BoardSecretary

BusinessDevelopment

CEO

CFO

Chairman

CIO-Information

CIO-Investment

CMO
COO
CRO
CSO
CTO
Director
Executive
ExecVicePresident
Founder
GeneralCounsel
HeadOfBusiness
InvestorRelations
ManagingDirector
ManagingPartner
Partner
President
RegionalHead
SeniorVicePresident
Treasurer
ViceChairman
VicePresident
PublisherDefined

[Enumeration Values valid for THIRD-PARTY participants:](#)

DataScientist
GovernmentExpert
IndustryExpert
MacroStrategist
MedicalExpert
Regulator
PublisherDefined

[Enumeration Values valid for PROVIDER participants:](#)

AnalystEquity
AnalystFixedIncome
AnalystFX
BusinessDevelopment
Compliance
COO
DirectorOfResearch
InvestmentBanker
MacroStrategist
ProviderClientManagement
ProviderCoordinator
ProviderIT
ProviderManagement
ProviderSales

SpecialistSales
PublisherDefined

VenueTypeEnum

list from current Interactions standard

Enumeration Values:

Offsite

Interaction occurred at a place other than the interaction consumer's office.

Onsite

Interaction occurred at the client interaction consumer's office.

YesNoEnum

Enumeration Values:

No

Yes