

IRIS-
(CORE|DREG|BEEP)-05
XML Changes

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Temporary References

- 'temporaryReference' attribute
 - optional for <result> and <entity> derivatives
 - defaults to "false"

<bag>

- Changed from mixed content to any one element in any namespace.
 - `processContents="skip"`
- No XML parser errors if bag is unrecognized
 - see pre-existing `<bagUnrecognized>`
- Mixed content is ambiguous for servers

<control>

- Changed from derivatives to any element in any namespace.
 - see <bag>
 - same reasons
- Added <controlUnrecognized> reaction.

<queryNotSupported>

- Indicates that a query is not supported by a server.
- This is semantically different from <invalidSearch>, which indicates that search terms are incorrect.

Additional Results

- `<additional>` element must have at least one `<result>` element
- `minOccurs="1"`

Multiple Error Explanations

- The `<language>` element was changed to 'language' attribute of `<explanation>` element.
- Cardinality on `<explanation>` element is now unlimited.
 - `maxOccurs="unbounded"`
 - Servers can return multiple explanations in varying languages.

Change to <limits>

- <totalConnections> changed to <totalSessions>
- "connection" has certain meanings which don't exist in all transports.
- sessions also better describes transports with ability to multiplex.

Finding Registrars

- `<listRegistrars>` changed to `<findRegistrarsByName>`
 - can just list registrars as before
 - or can limit result set by the name of the registrar (structurally similar to `<findDomainsByName>`)

<contactHandle>

- Now a **privacyType**.
- enabled by the '**temporaryReference**' attribute.

Multiple Postal Addresses

- All elements describing a contact's postal address are now contained within `<postalAddress>` element.
- Multiple `<postalAddress>` elements possible.

domainStatusType

- `<description>` element changed from `maxOccurs="1"` to `maxOccurs="unbounded"`

Language Not Supported Error

- `<languageNotSupported>` now can have multiple child elements named `<unsupportedLanguage>`.

Find IDN Domains

- `<findDomainsByIDNName>`
 - `<namePart>` child element changed from type `exactOrPartialMatchParameter` to `exactMatchParameter`.

An IRIS-BEEP Observation

- What happens when a channel is opened using the profile associated with registry type A and the query is for registry type B?
- A server **MUST** honor queries for all advertised registry types on any channel opened with an IRIS profile URI.