

G2-CR00214-set-minOccurs-on-elements-and-xschoice

IPTC G2-Standards: Change Request document

Title: Set minOccurs attribute on elements and xs:choice in NewsML-G2 XML Schema

Change Request number: G2 CR00214

Standard to be changed: NewsML-G2

Standard's version to be changed: 2.29 (change effected in 2.30)

Change Request History			
Version	Date	Author(s)	Notes
1	2021-08-27	Brendan Quinn, Dave Compton	
2	2021-09-03	Brendan Quinn	Updates to make it clear that we're changing element definitions in addition to xs:choice statements.

Typographic note

Changes to existing documents/specifications are highlighted in yellow.

Editing notes for the spec documents are highlighted in cyan.

In drafts only: Text highlighted in magenta needs further discussion

Description of the change: (free-text)

Add a minOccurs="1" attribute to the following elements in the NewsML-G2 XML Schema:

- <bit> in a <bag>
- <name> in a <concept>
- <position> in a <line> in a geographic area
- <position> in a <polygon> in a geographic area
- <name> in an <event>
- <event> in <events>
- <planning> in <newsCoverage>
- <deliveredItemRef> in <delivery>
- <hop> in <hopHistory>
- <published> in <pubHistory>
- <scheme> in catalog
- rDate / rRule in RecurrenceGroup
- In PackageItems, <group> in <groupSet>
- In PlanningItems, <newsCoverage> in <newsCoverageSet>

Set both minOccurs="1" and maxOccurs="1" on xs:choice:

- <ruby>

(Note that we can't add minOccurs="1" and maxOccurs="1" to EntityDetailsGroup, XML Schema doesn't allow minOccurs and maxOccurs on xs:choice indicators within an xs:group)

Set maxOccurs="1" on xs:choice where there is none:

- eventDetails/dates/(end, duration)
- FlexPartyPropType/(personDetails, organisationDetails)
- FlexLocationPropType/(geoAreaDetails, POIDetails)

Set minOccurs="0" on xs:choice in mixed content sections:

- a
- inline
- span

TBD:

- <scheme> in catalog

Rationale for the change:

XML Schema xs:choice has a default minOccurs of 1, but those reading the schema may not know that so they might not understand the minimum cardinality. By explicitly setting the value, we make it clear.

This is purely an aid to the XML Schema reader and doesn't make any semantic changes.

Reference to related IPTC discussion(s) (on Yahoo groups etc):

Formalised change request: (spec table etc.)

Header	Value		
(XML) Data Model			
Namespace (prefix)	nar		
Name			
Title			
Definition			
User Note(s)			
Implementation Note(s)			
XML Schema Spec	At: PCL (no changes to CCL since v 2.25)		
Datatype			
Internally Ctrl Values			
Externally Ctrl Values			
Attributes	optional attribute group name	Name Cardinality; Datatype; Definition	
Child elements	optional element group name	Name	Cardinality

XML Schema Note(s)			
Example(s)			