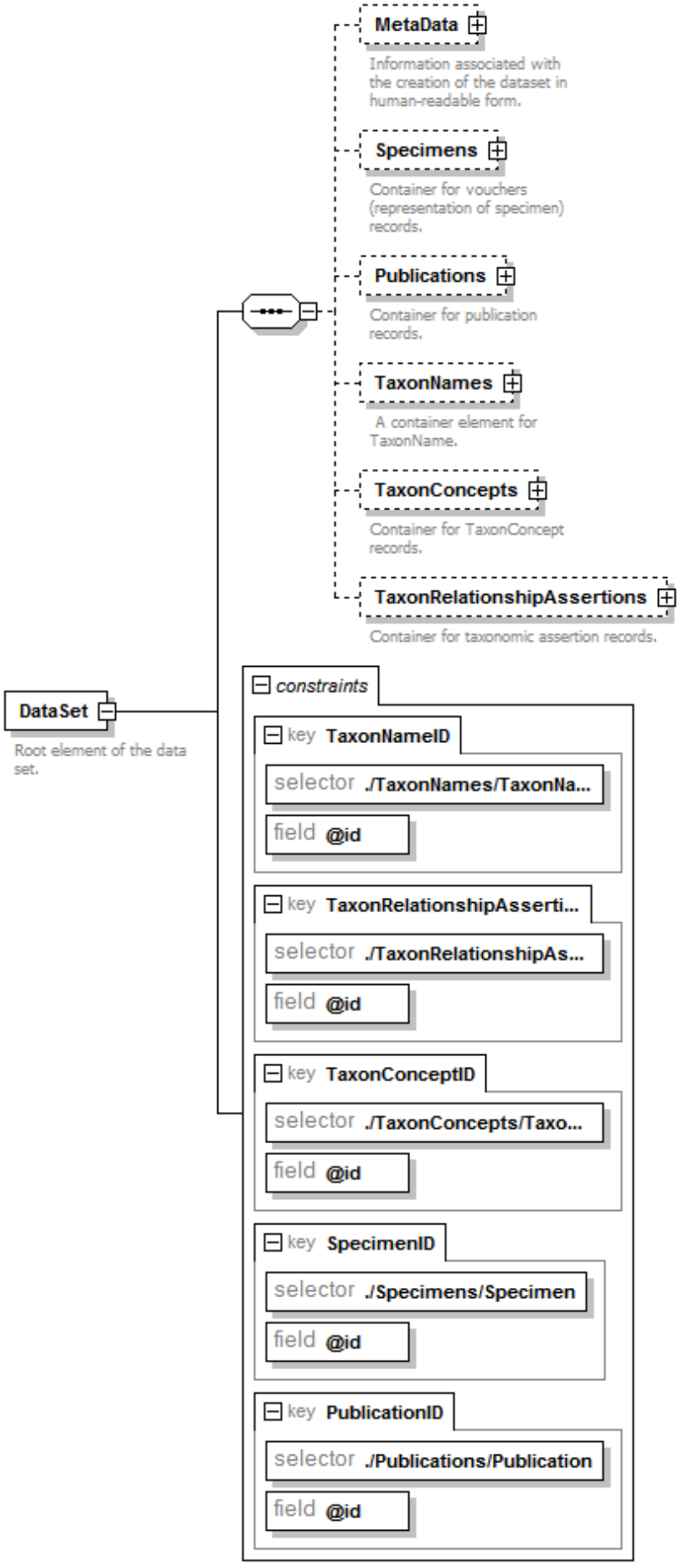
Schema **v101.xsd**

schema location: **v101.xsd**
attribute form default: **unqualified**
element form default: **qualified**
targetNamespace: **http://www.tdwg.org/schemas/tcs/1.01**

Elements	Complex types	Simple types
DataSet	**AccordingToType**	**NomenclaturalCodesEnum**
	AgentNames	**NomenclaturalTypeStatusOfUnitsEnum**
	CanonicalAuthorship	**TaxonomicRankAboveSuperfamilyEnum**
	CanonicalName	**TaxonomicRankBelowSubspeciesEnum**
	NameCitation	**TaxonomicRankCultivatedPlants**
	NomenclaturalNoteType	**TaxonomicRankEnum**
	PlaceholderType	**TaxonomicRankFamilyGroupEnum**
	ReferenceType	**TaxonomicRankFamilySubdivisionEnum**
	RelationshipType	**TaxonomicRankGenusGroupEnum**
	ScientificName	**TaxonomicRankGenusSubdivisionEnum**
	TaxonomicRank	**TaxonomicRankSpeciesGroupEnum**

element **DataSet**

diagram



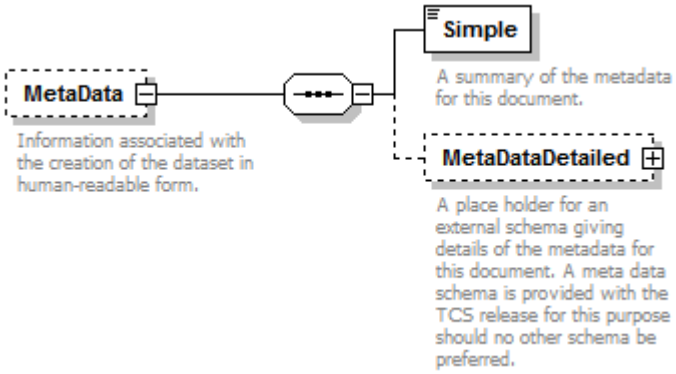
namespace	http://www.tdwg.org/schemas/tcs/1.01				
properties	content complex				
children	MetaData Specimens Publications TaxonNames TaxonConcepts TaxonRelationshipAssertions				
identity		Name	Refer	Selector	Field(s)
	key	TaxonNameID		./TaxonNames/Taxo	@id

constraints

key	TaxonRelationshipAssertionID	nName ./TaxonRelationshipAssertions/TaxonRelationshipAssertion	@id
key	TaxonConceptID	./TaxonConcepts/TaxonConcept	@id
key	SpecimenID	./Specimens/Specimen	@id
key	PublicationID	./Publications/Publication	@id

element **DataSet/MetaData**

diagram



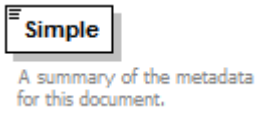
namespace http://www.tdwg.org/schemas/tcs/1.01

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

children **Simple** **MetaDataDetailed**

element **DataSet/MetaData/Simple**

diagram



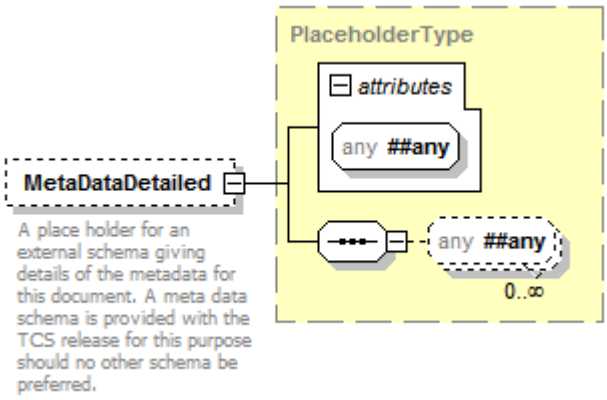
namespace http://www.tdwg.org/schemas/tcs/1.01

type **xs:string**

properties
- isRef 0
- content simple

element **DataSet/MetaData/MetaDataDetailed**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type **PlaceholderType**

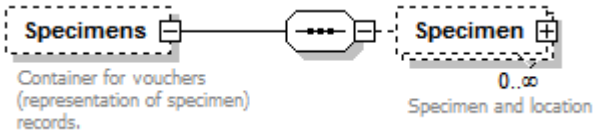
properties
- isRef 0
- minOcc 0
- maxOcc 1
- content complex

attributes

Name	Type	Use	Default	Fixed

element **DataSet/Specimens**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

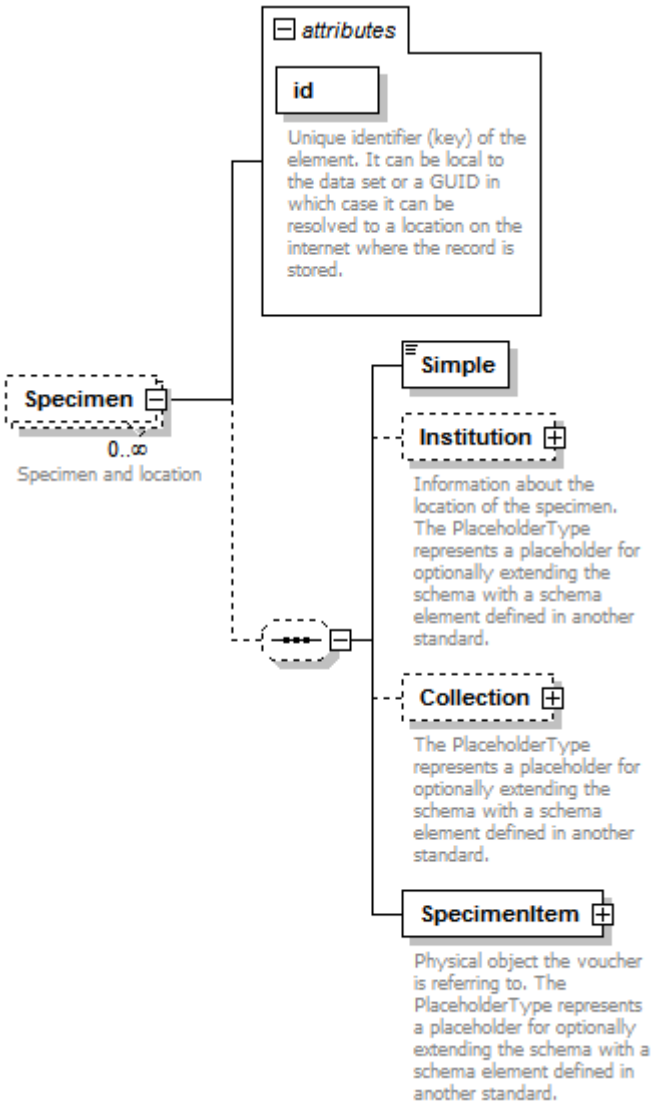
properties

isRef	0
minOcc	0
maxOcc	1
content	complex

children **Specimen**

element **DataSet/Specimens/Specimen**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

properties

isRef	0
minOcc	0
maxOcc	unbounded
content	complex

children **Simple** **Institution** **Collection** **SpecimenItem**

attributes

Name	Type	Use	Default	Fixed
id	**xs:token**	required		

element **DataSet/Specimens/Specimen/Simple**

diagram

namespace http://www.tdwg.org/schemas/tcs/1.01

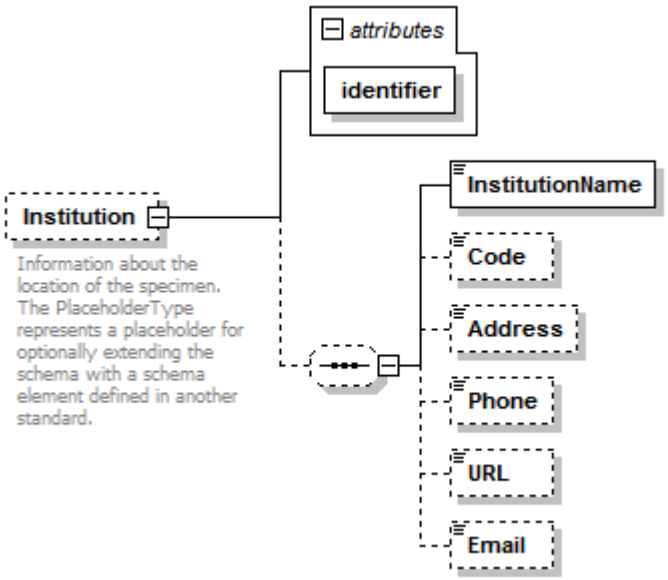
type **xs:string**

properties

isRef	0
content	simple

element **DataSet/Specimens/Specimen/Institution**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

properties

isRef	0
minOcc	0
maxOcc	1
content	complex

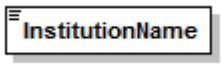
children **InstitutionName** **Code** **Address** **Phone** **URL** **Email**

attributes

Name	Type	Use	Default	Fixed
identifier	**xs:token**	required		

element **DataSet/Specimens/Specimen/Institution/InstitutionName**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type **xs:string**

properties

isRef	0
content	simple

element **DataSet/Specimens/Specimen/Institution/Code**

diagram

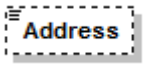
namespace http://www.tdwg.org/schemas/tcs/1.01

type **xs:string**

properties

isRef	0
minOcc	0
maxOcc	1
content	simple

element **DataSet/Specimens/Specimen/Institution/Address**

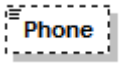
diagram 

namespace http://www.tdwg.org/schemas/tcs/1.01

type **xs:string**

properties
isRef	0
minOcc	0
maxOcc	1
content	simple

element **DataSet/Specimens/Specimen/Institution/Phone**

diagram 

namespace http://www.tdwg.org/schemas/tcs/1.01

type **xs:string**

properties
isRef	0
minOcc	0
maxOcc	1
content	simple

element **DataSet/Specimens/Specimen/Institution/URL**

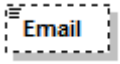
diagram

namespace http://www.tdwg.org/schemas/tcs/1.01

type **xs:string**

properties
isRef	0
minOcc	0
maxOcc	1
content	simple

element **DataSet/Specimens/Specimen/Institution/Email**

diagram 

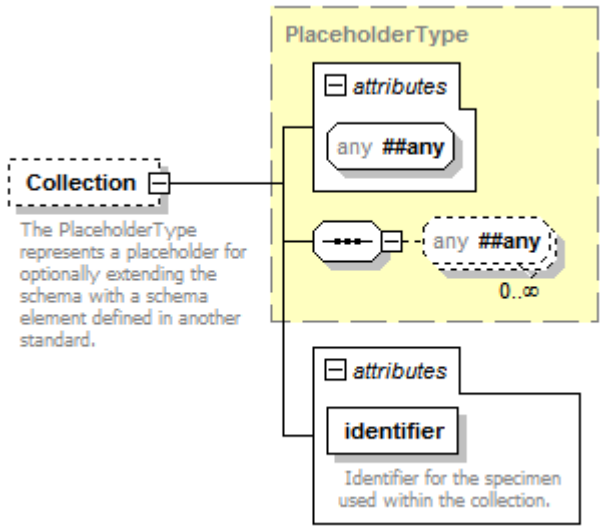
namespace http://www.tdwg.org/schemas/tcs/1.01

type **xs:string**

properties
isRef	0
minOcc	0
maxOcc	1
content	simple

element **DataSet/Specimens/Specimen/Collection**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type extension of **PlaceholderType**

properties

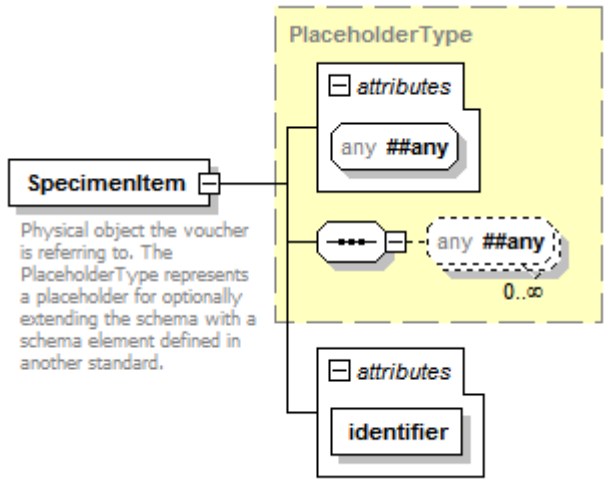
isRef	0
minOcc	0
maxOcc	1
content	complex

attributes

Name	Type	Use	Default	Fixed
identifier	**xs:token**	required		

element **DataSet/Specimens/Specimen/SpecimenItem**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type extension of **PlaceholderType**

properties

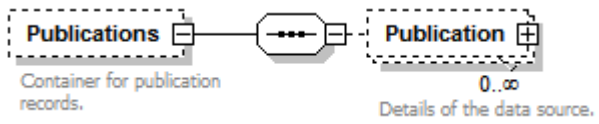
isRef	0
content	complex

attributes

Name	Type	Use	Default	Fixed
identifier	**xs:token**	required		

element **DataSet/Publications**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

properties

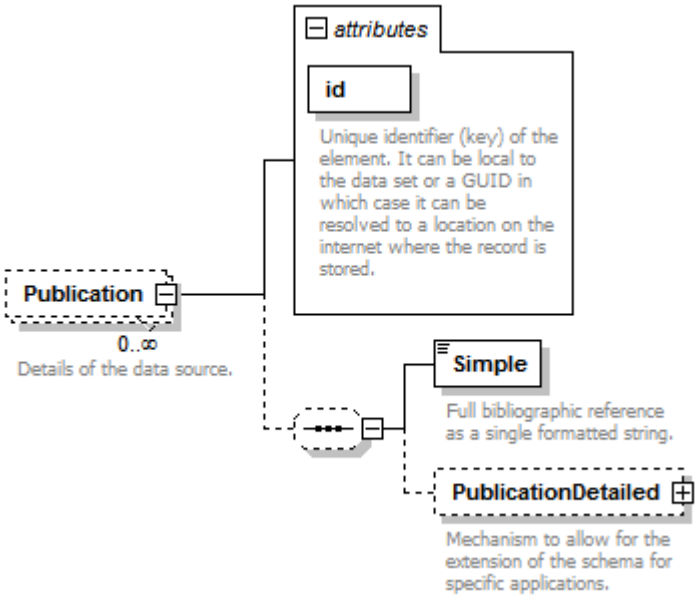
isRef	0
minOcc	0
maxOcc	1

content complex

children **Publication**

element **DataSet/Publications/Publication**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

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

children **Simple** **PublicationDetailed**

attributes

Name	Type	Use	Default	Fixed
id	**xs:token**	required		

element **DataSet/Publications/Publication/Simple**

diagram

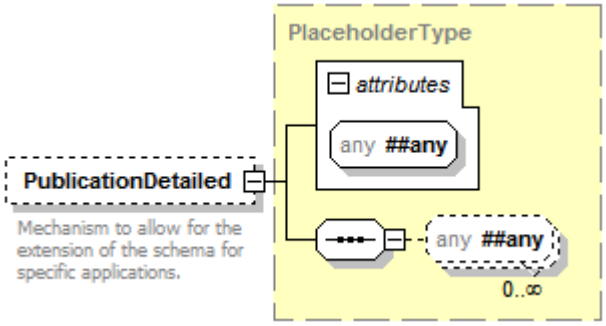
namespace http://www.tdwg.org/schemas/tcs/1.01

type **xs:string**

properties
- isRef 0
- content simple

element **DataSet/Publications/Publication/PublicationDetailed**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type **PlaceholderType**

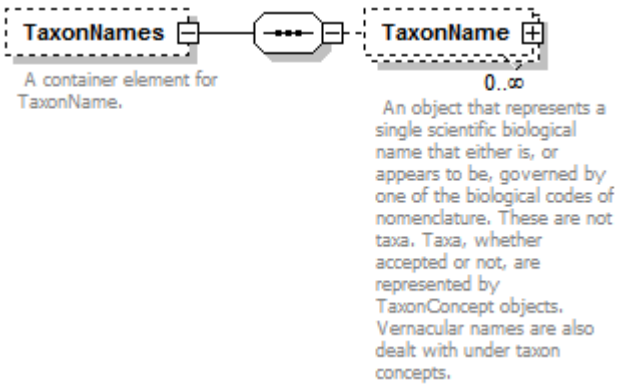
properties
- isRef 0
- minOcc 0
- maxOcc 1
- content complex

attributes

Name	Type	Use	Default	Fixed

element **DataSet/TaxonNames**

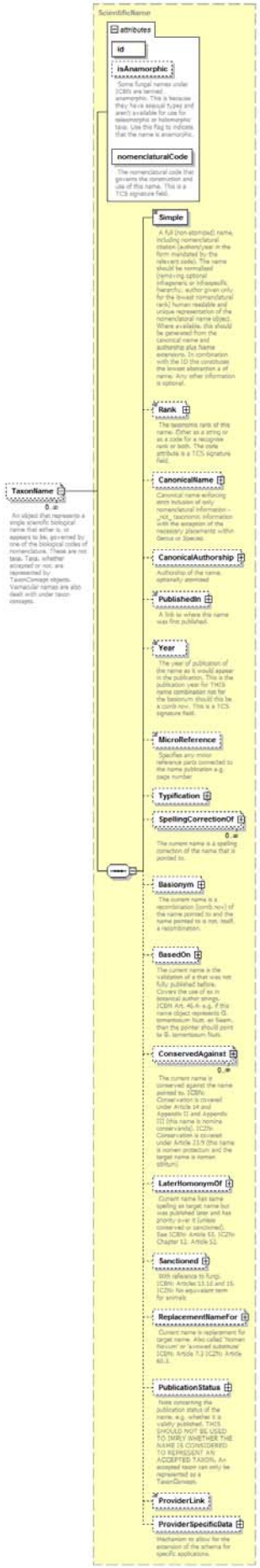
diagram



namespace	http://www.tdwg.org/schemas/tcs/1.01	
properties	isRef	0
	minOcc	0
	maxOcc	1
	content	complex
children	**TaxonName**	

element **DataSet/TaxonNames/TaxonName**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type **ScientificName**

properties

isRef	0
minOcc	0
maxOcc	unbounded
content	complex

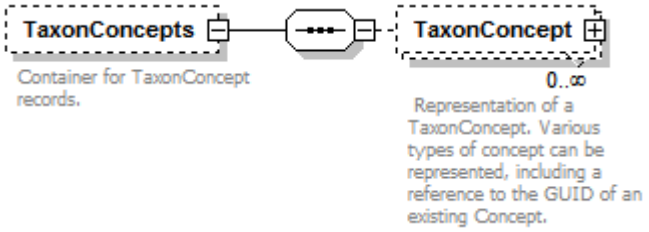
children **Simple** **Rank** **CanonicalName** **CanonicalAuthorship** **PublishedIn** **Year** **MicroReference** **Typification** **SpellingCorrectionOf** **Basionym** **BasedOn** **ConservedAgainst** **LaterHomonymOf** **Sanctioned** **ReplacementNameFor** **PublicationStatus** **ProviderLink** **ProviderSpecificData**

attributes

Name	Type	Use	Default	Fixed
id	**xs:NMTOKEN**	required		
isAnamorphic	**xs:boolean**	optional	false	
nomenclaturalCode	**NomenclaturalCodesEnum**	required		

element **DataSet/TaxonConcepts**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

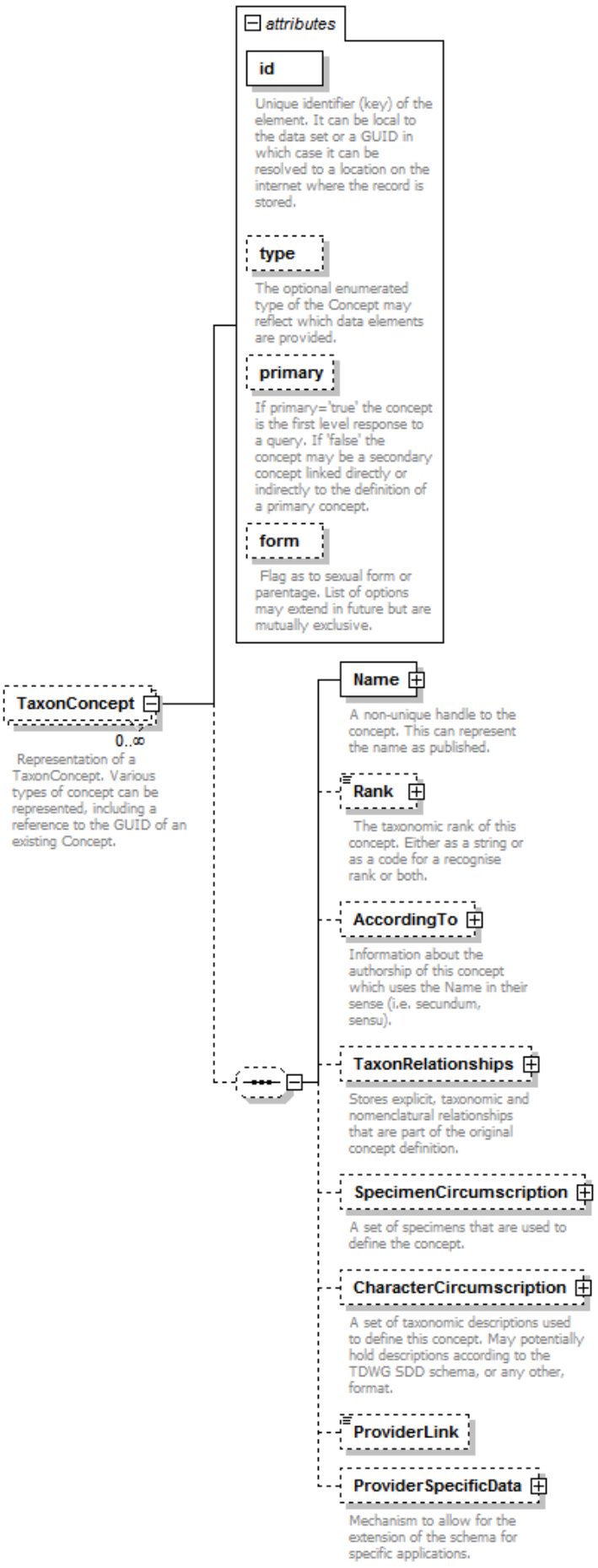
properties

isRef	0
minOcc	0
maxOcc	1
content	complex

children **TaxonConcept**

element **DataSet/TaxonConcepts/TaxonConcept**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

properties

isRef	0
minOcc	0
maxOcc	unbounded

content complex
mixed false

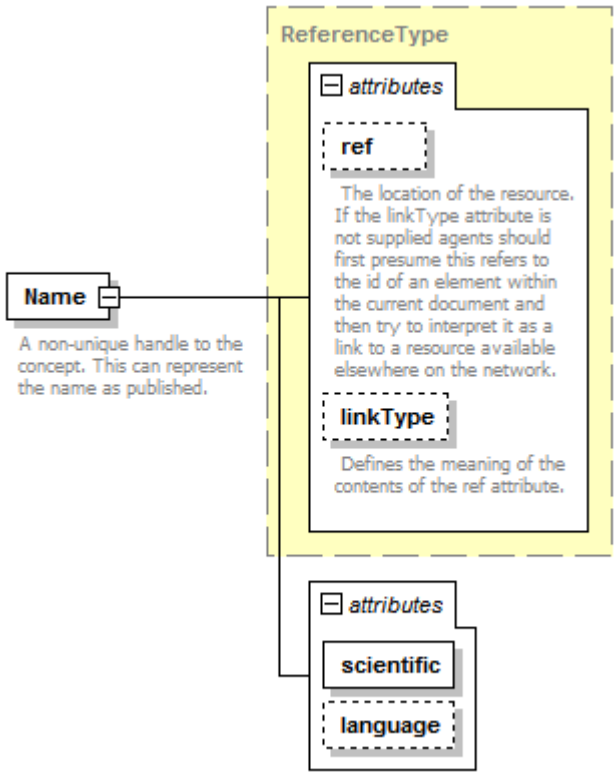
children **Name** **Rank** **AccordingTo** **TaxonRelationships** **SpecimenCircumscription** **CharacterCircumscription** **ProviderLink** **ProviderSpecificData**

attributes

Name	Type	Use	Default	Fixed
id	**xs:token**	required		
type	**derived by: xs:string**	optional		
primary	**xs:boolean**	optional		
form	**derived by: xs:string**	optional		

element **DataSet/TaxonConcepts/TaxonConcept/Name**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type extension of **ReferenceType**

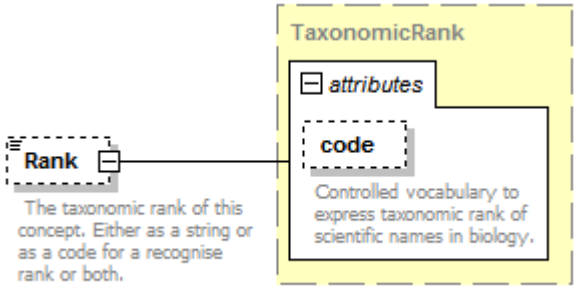
properties
isRef 0
content complex

attributes

Name	Type	Use	Default	Fixed
ref	**xs:token**	optional		
linkType	**derived by: xs:string**	optional	local	
scientific	**xs:boolean**	required		
language	**xs:language**	optional		

element **DataSet/TaxonConcepts/TaxonConcept/Rank**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type **TaxonomicRank**

properties
isRef 0
minOcc 0
maxOcc 1

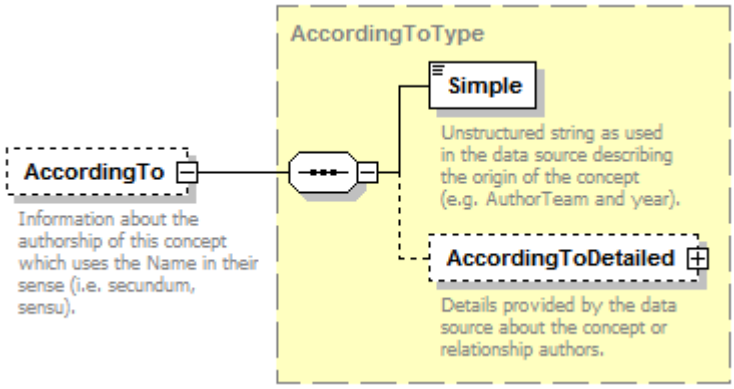
content complex
mixed true

attributes

Name	Type	Use	Default	Fixed
code	TaxonomicRankEnum	optional		

element **DataSet/TaxonConcepts/TaxonConcept/AccordingTo**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

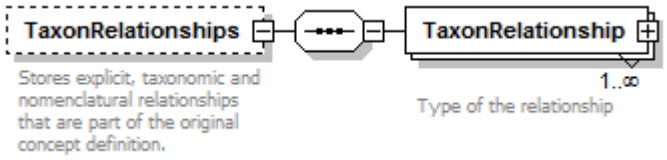
type AccordingToType

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

children Simple AccordingToDetailed

element **DataSet/TaxonConcepts/TaxonConcept/TaxonRelationships**

diagram



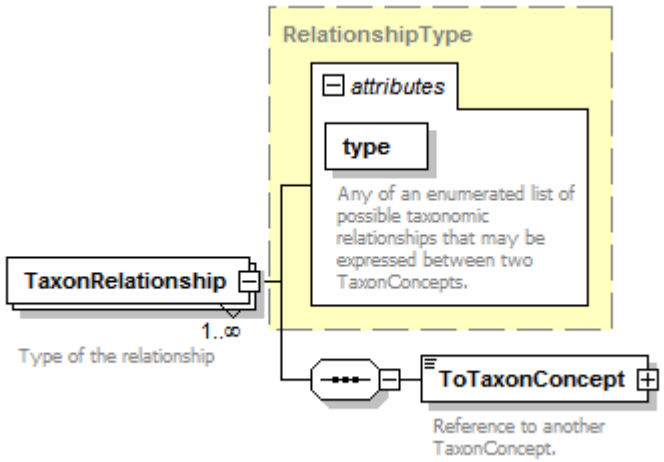
namespace http://www.tdwg.org/schemas/tcs/1.01

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

children TaxonRelationship

element **DataSet/TaxonConcepts/TaxonConcept/TaxonRelationships/TaxonRelationship**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type extension of RelationshipType

properties
- isRef 0
- minOcc 1

maxOcc unbounded
content complex

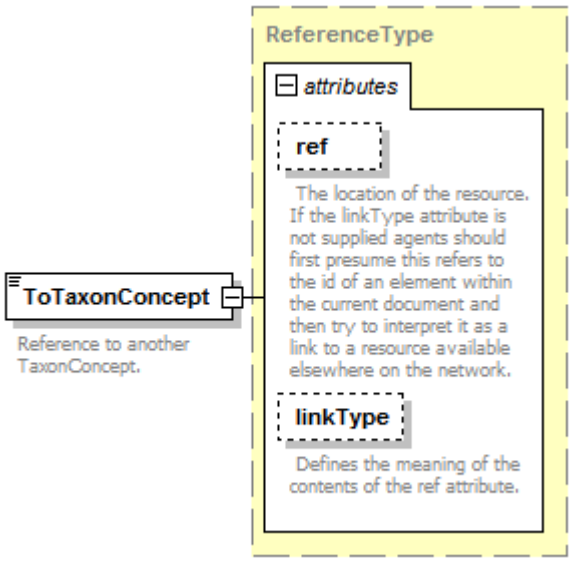
children **ToTaxonConcept**

attributes

Name	Type	Use	Default	Fixed
type	**derived by: xs:string**	required		

element **DataSet/TaxonConcepts/TaxonConcept/TaxonRelationships/TaxonRelationship/ToTaxonConcept**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type **ReferenceType**

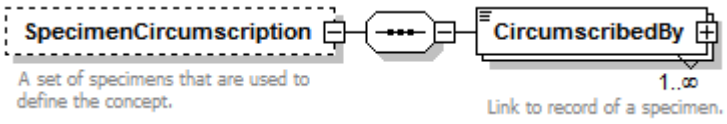
properties
isRef 0
content complex
mixed true

attributes

Name	Type	Use	Default	Fixed
ref	**xs:token**	optional		
linkType	**derived by: xs:string**	optional	local	

element **DataSet/TaxonConcepts/TaxonConcept/SpecimenCircumscription**

diagram



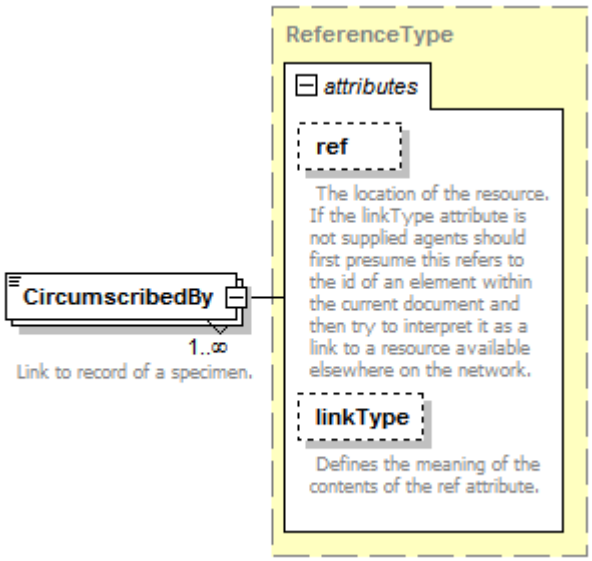
namespace http://www.tdwg.org/schemas/tcs/1.01

properties
isRef 0
minOcc 0
maxOcc 1
content complex

children **CircumscribedBy**

element **DataSet/TaxonConcepts/TaxonConcept/SpecimenCircumscription/CircumscribedBy**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type **ReferenceType**

properties

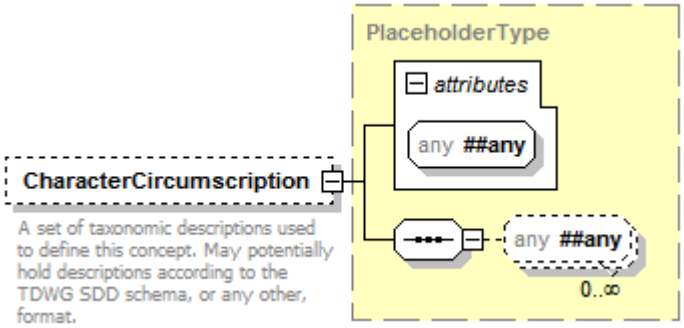
isRef	0
minOcc	1
maxOcc	unbounded
content	complex
mixed	true

attributes

Name	Type	Use	Default	Fixed
ref	**xs:token**	optional		
linkType	**derived by: xs:string**	optional	local	

element **DataSet/TaxonConcepts/TaxonConcept/CharacterCircumscription**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type **PlaceholderType**

properties

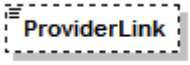
isRef	0
minOcc	0
maxOcc	1
content	complex

attributes

Name	Type	Use	Default	Fixed

element **DataSet/TaxonConcepts/TaxonConcept/ProviderLink**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

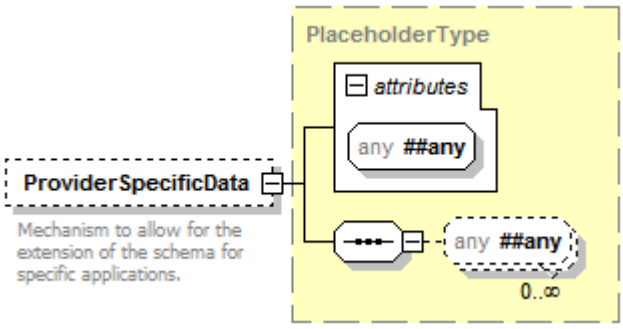
type **xs:string**

properties

isRef	0
minOcc	0
maxOcc	1
content	simple

element **DataSet/TaxonConcepts/TaxonConcept/ProviderSpecificData**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type **PlaceholderType**

properties

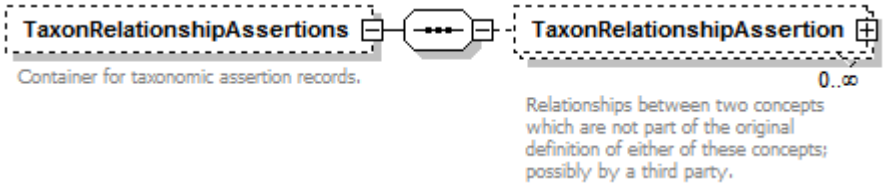
isRef	0
minOcc	0
maxOcc	1
content	complex

attributes

Name	Type	Use	Default	Fixed

element **DataSet/TaxonRelationshipAssertions**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

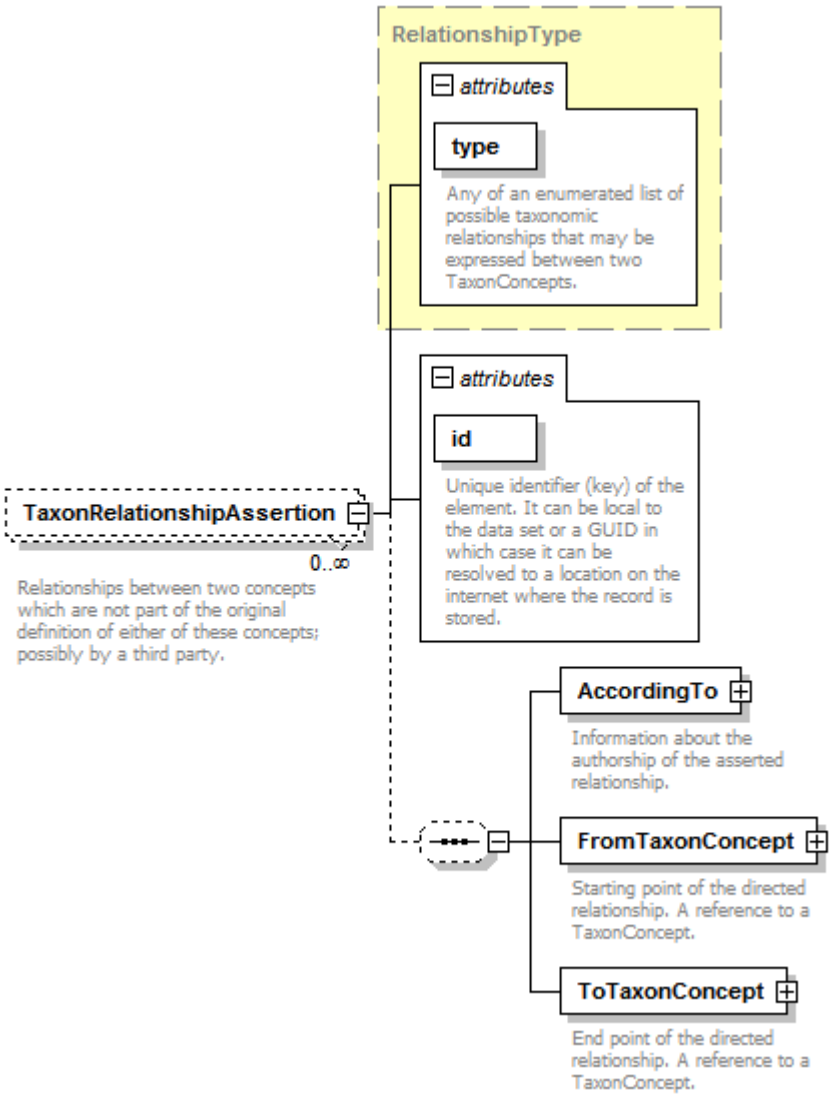
properties

isRef	0
minOcc	0
maxOcc	1
content	complex

children **TaxonRelationshipAssertion**

element **DataSet/TaxonRelationshipAssertions/TaxonRelationshipAssertion**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type extension of **RelationshipType**

properties

isRef	0
minOcc	0
maxOcc	unbounded
content	complex

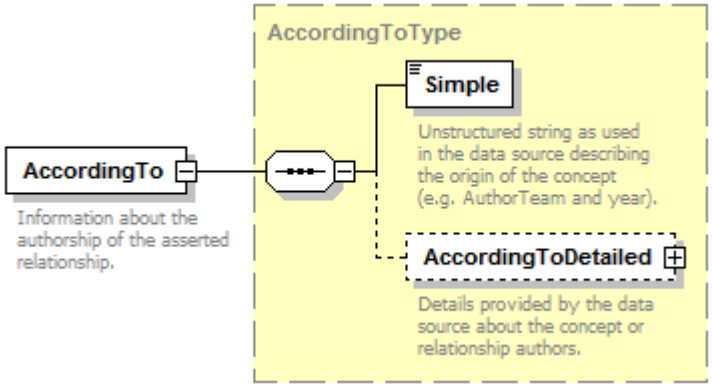
children **AccordingTo** **FromTaxonConcept** **ToTaxonConcept**

attributes

Name	Type	Use	Default	Fixed
type	**derived by: xs:string**	required		
id	**xs:token**	required		

element **DataSet/TaxonRelationshipAssertions/TaxonRelationshipAssertion/AccordingTo**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

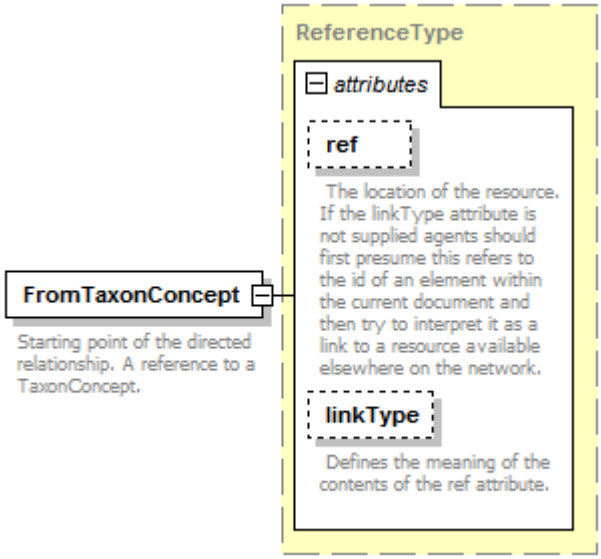
type **AccordingToType**

properties
- isRef 0
- content complex

children **Simple** **AccordingToDetailed**

element **DataSet/TaxonRelationshipAssertions/TaxonRelationshipAssertion/FromTaxonConcept**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type extension of **ReferenceType**

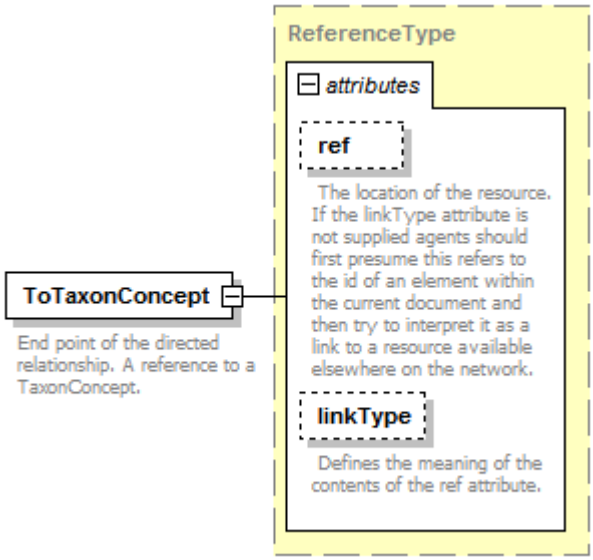
properties
- isRef 0
- content complex

attributes

Name	Type	Use	Default	Fixed
ref	**xs:token**	optional		
linkType	**derived by: xs:string**	optional	local	

element **DataSet/TaxonRelationshipAssertions/TaxonRelationshipAssertion/ToTaxonConcept**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type extension of **ReferenceType**

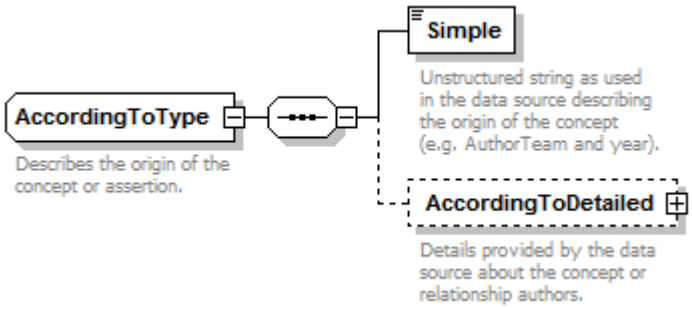
properties
- isRef 0
- content complex

attributes

Name	Type	Use	Default	Fixed
ref	**xs:token**	optional		
linkType	**derived by: xs:string**	optional	local	

complexType **AccordingToType**

diagram



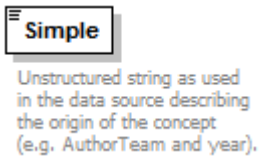
namespace http://www.tdwg.org/schemas/tcs/1.01

children **Simple** **AccordingToDetailed**

used by
- elements **DataSet/TaxonConcepts/TaxonConcept/AccordingTo**
  DataSet/TaxonRelationshipAssertions/TaxonRelationshipAssertion/AccordingTo

element **AccordingToType/Simple**

diagram



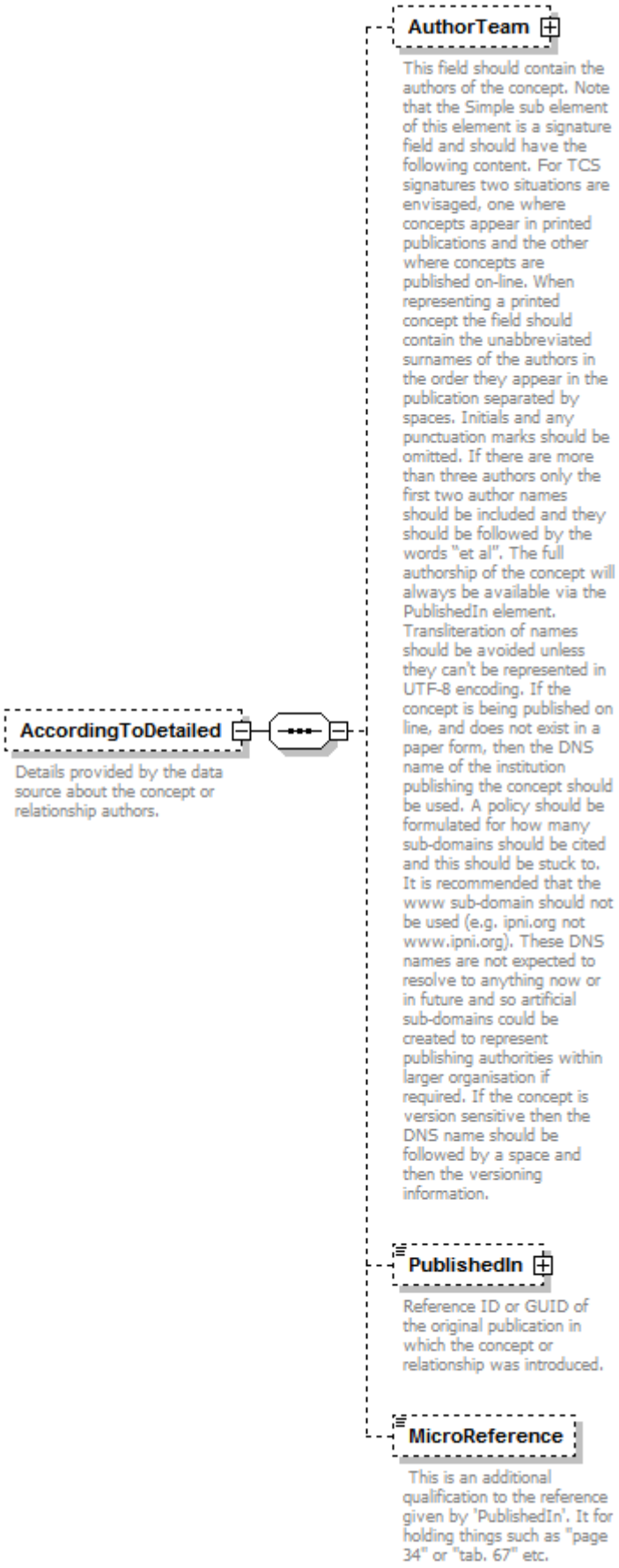
namespace http://www.tdwg.org/schemas/tcs/1.01

type **xs:string**

properties
- isRef 0
- content simple

element **AccordingToType/AccordingToDetailed**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

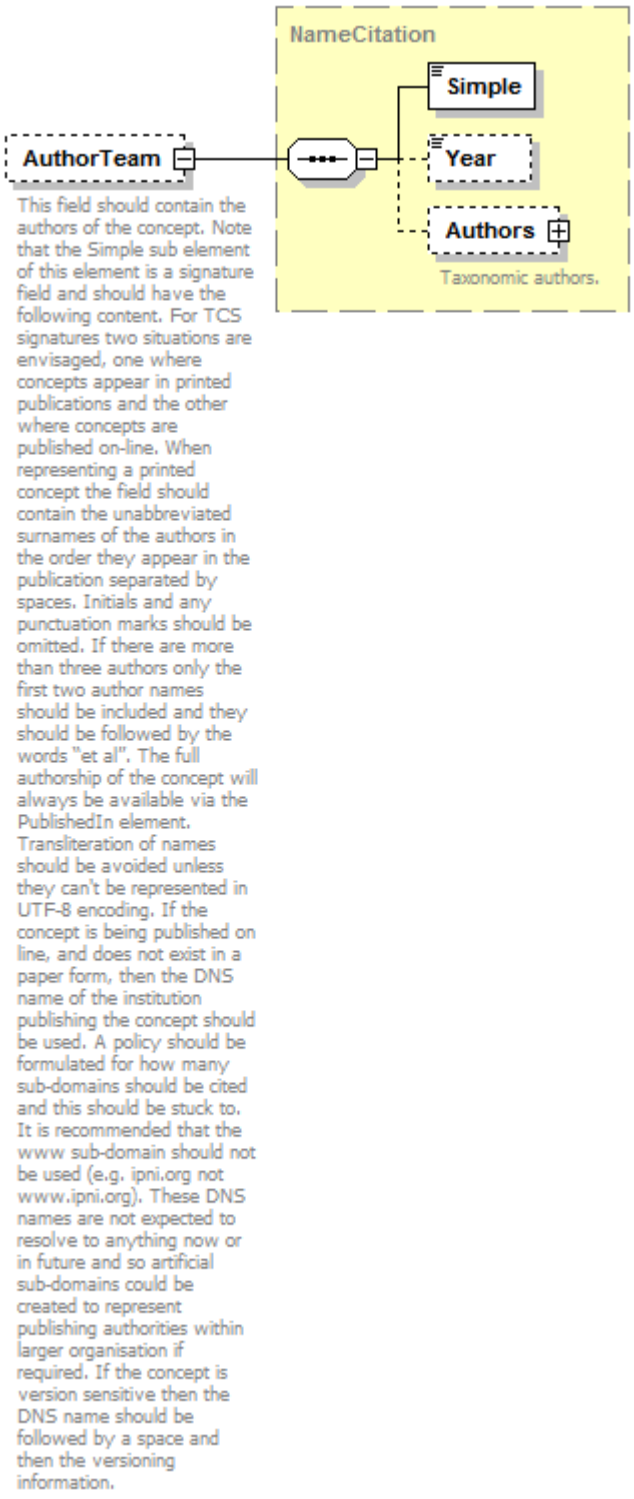
properties

isRef	0
minOcc	0
maxOcc	1
content	complex

children **AuthorTeam** **PublishedIn** **MicroReference**

element **AccordingToType/AccordingToDetailed/AuthorTeam**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type **NameCitation**

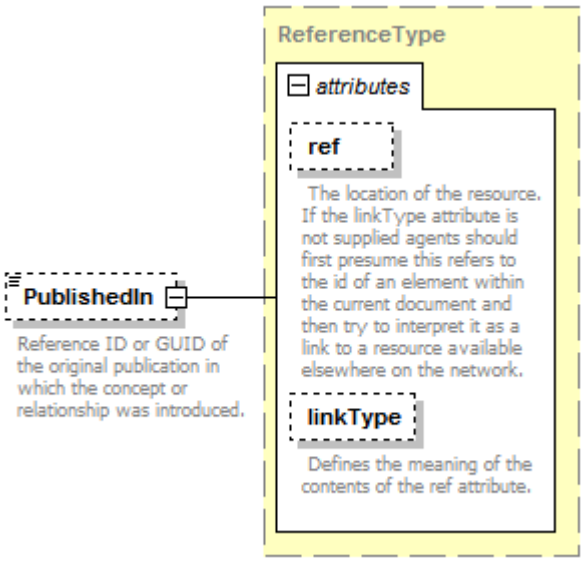
properties

isRef	0
minOcc	0
maxOcc	1
content	complex

children **Simple** **Year** **Authors**

element **AccordingToType/AccordingToDetailed/PublishedIn**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type **ReferenceType**

properties

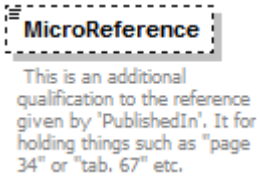
isRef	0
minOcc	0
maxOcc	1
content	complex
mixed	true

attributes

Name	Type	Use	Default	Fixed
ref	**xs:token**	optional		
linkType	**derived by: xs:string**	optional	local	

element **AccordingToType/AccordingToDetailed/MicroReference**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

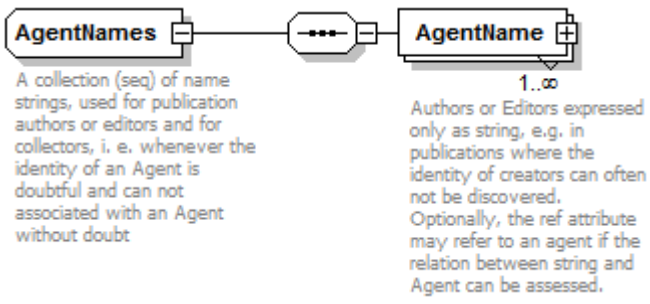
type **xs:string**

properties

isRef	0
minOcc	0
maxOcc	1
content	simple

complexType **AgentNames**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

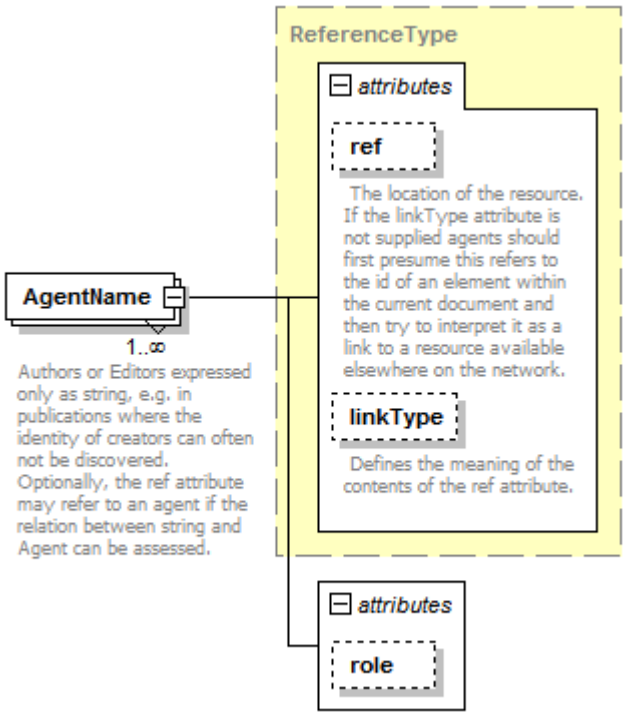
children **AgentName**

used by

element	**NameCitation/Authors**

element **AgentNames/AgentName**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type extension of **ReferenceType**

properties

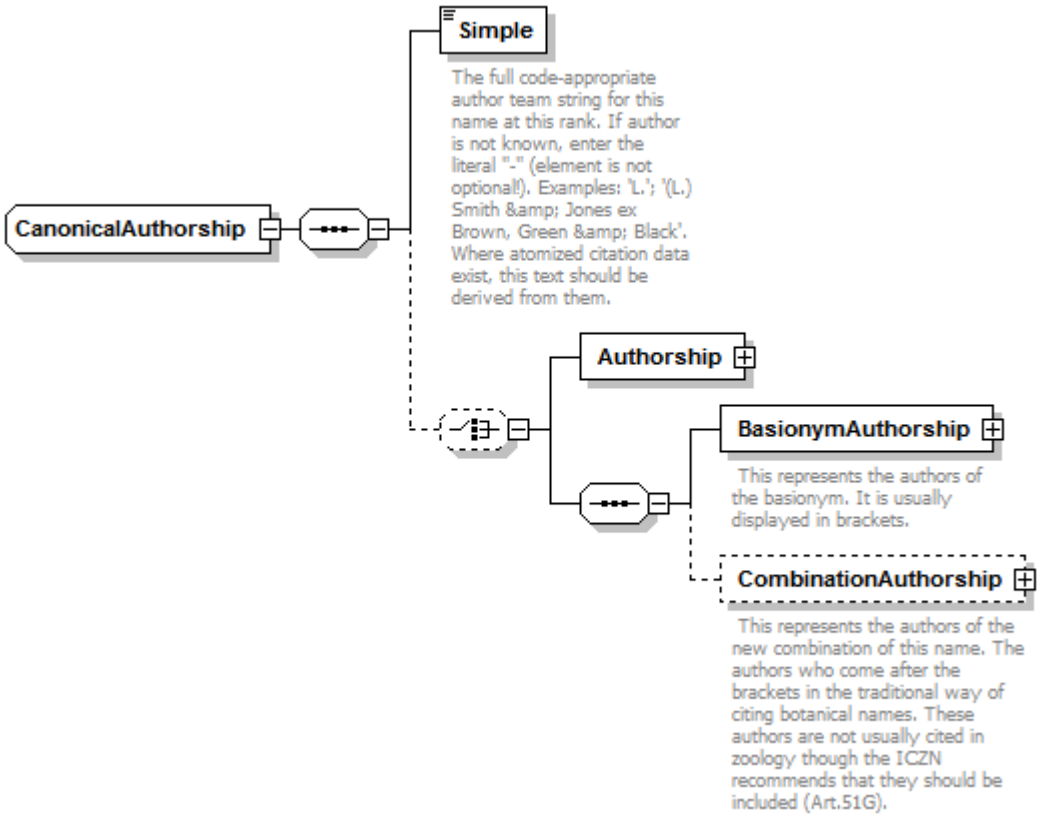
isRef	0
minOcc	1
maxOcc	unbounded
content	complex

attributes

Name	Type	Use	Default	Fixed
ref	**xs:token**	optional		
linkType	**derived by: xs:string**	optional	local	
role	**derived by: xs:Name**	optional		

complexType **CanonicalAuthorship**

diagram



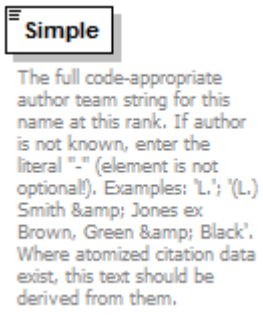
namespace http://www.tdwg.org/schemas/tcs/1.01

children **Simple** **Authorship** **BasionymAuthorship** **CombinationAuthorship**

used by element **ScientificName/CanonicalAuthorship**

element **CanonicalAuthorship/Simple**

diagram



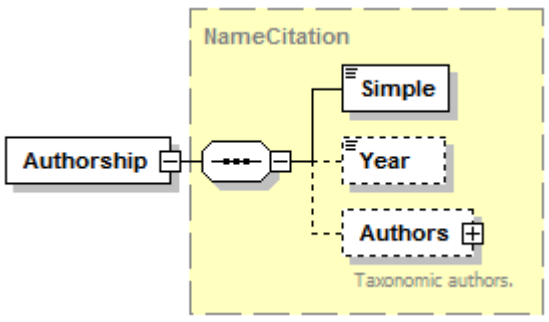
namespace http://www.tdwg.org/schemas/tcs/1.01

type **xs:string**

properties isRef 0
content simple

element **CanonicalAuthorship/Authorship**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

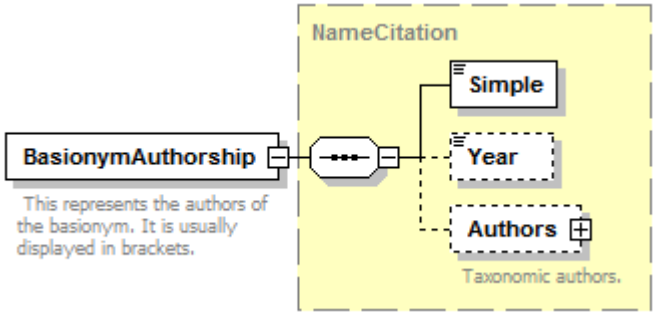
type **NameCitation**

properties
isRef 0
content complex

children **Simple** **Year** **Authors**

element **CanonicalAuthorship/BasionymAuthorship**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

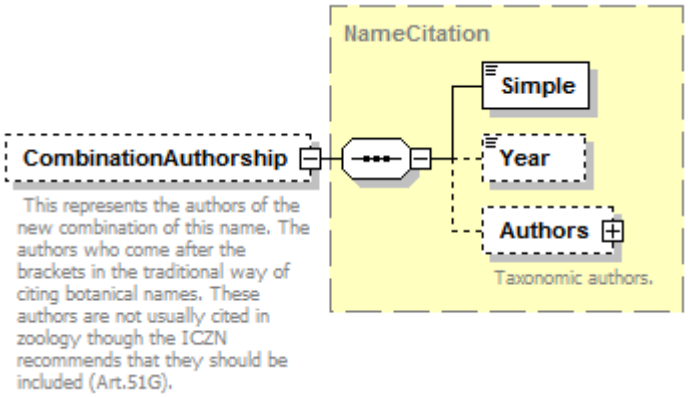
type **NameCitation**

properties
isRef 0
content complex

children **Simple** **Year** **Authors**

element **CanonicalAuthorship/CombinationAuthorship**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

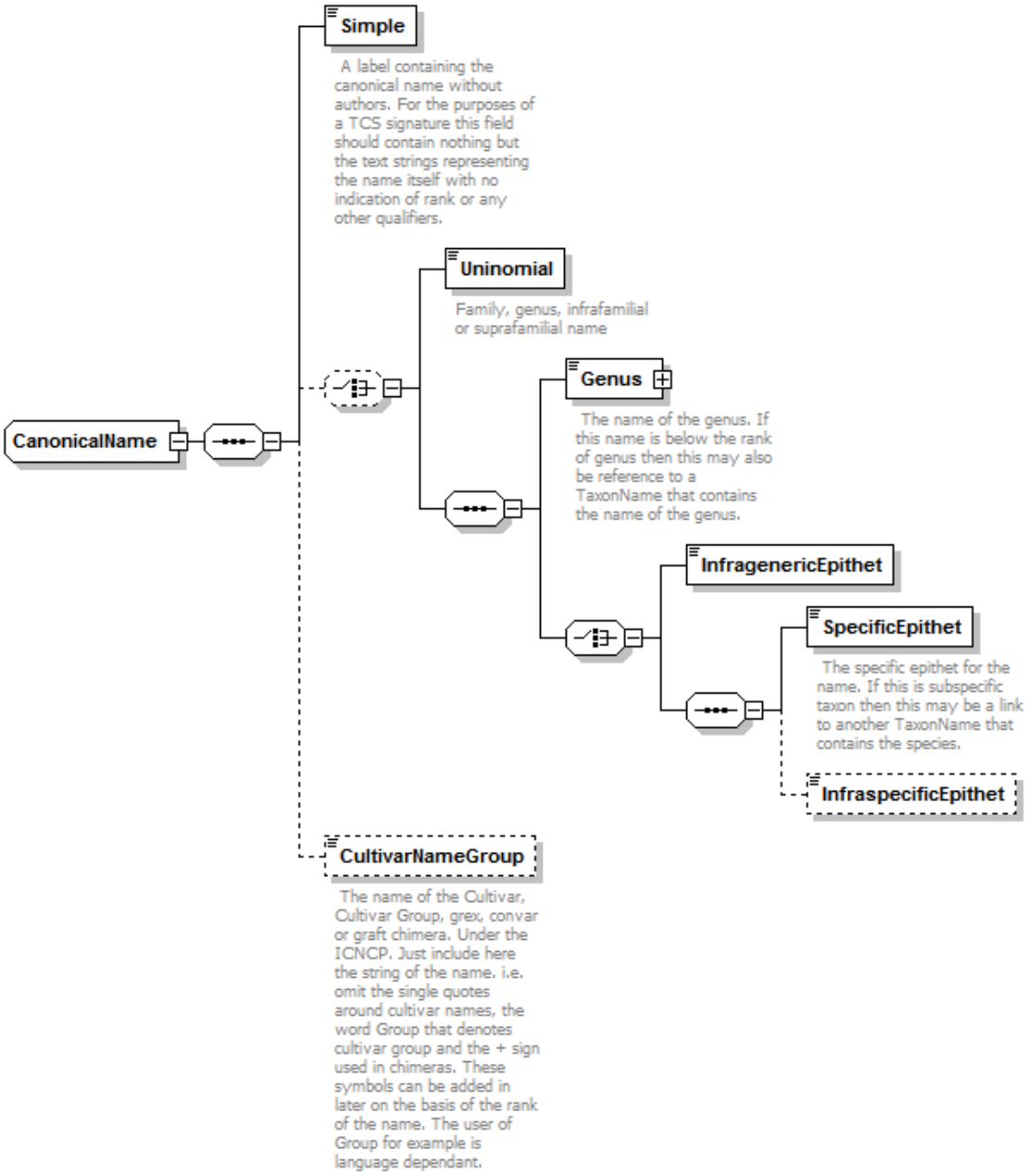
type **NameCitation**

properties
isRef 0
minOcc 0
maxOcc 1
content complex

children **Simple** **Year** **Authors**

complexType **CanonicalName**

diagram



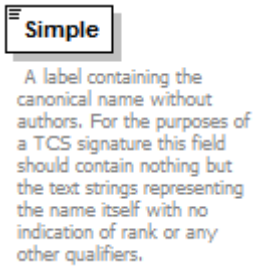
namespace http://www.tdwg.org/schemas/tcs/1.01

children **Simple** **Uninomial** **Genus** **InfragenericEpithet** **SpecificEpithet** **InfraspecificEpithet** **CultivarNameGroup**

used by element **ScientificName/CanonicalName**

element **CanonicalName/Simple**

diagram



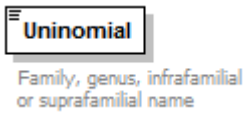
namespace http://www.tdwg.org/schemas/tcs/1.01

type **xs:string**

properties isRef 0
content simple

element **CanonicalName/Uninomial**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

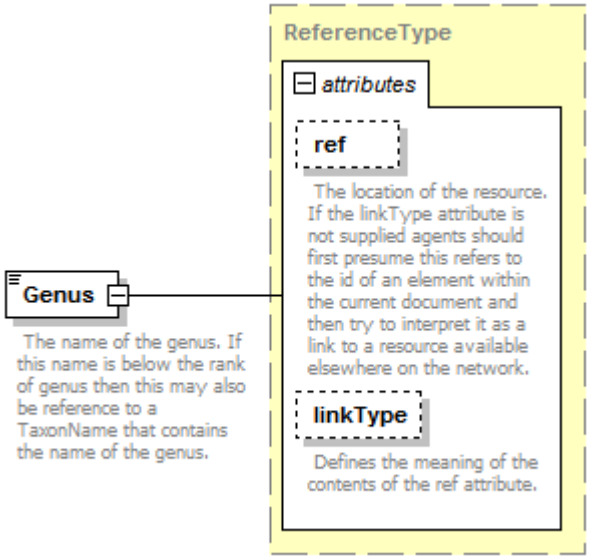
type **xs:string**

properties

isRef	0
content	simple

element **CanonicalName/Genus**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type **ReferenceType**

properties

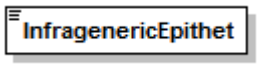
isRef	0
content	complex
mixed	true

attributes

Name	Type	Use	Default	Fixed
ref	**xs:token**	optional		
linkType	**derived by: xs:string**	optional	local	

element **CanonicalName/InfragenericEpithet**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

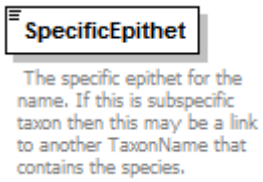
type **xs:string**

properties

isRef	0
content	simple

element **CanonicalName/SpecificEpithet**

diagram



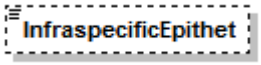
namespace http://www.tdwg.org/schemas/tcs/1.01

type **xs:string**

properties
isRef 0
content simple

element **CanonicalName/InfraspecificEpithet**

diagram



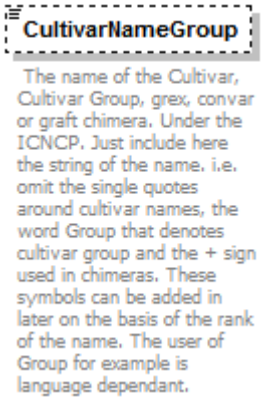
namespace http://www.tdwg.org/schemas/tcs/1.01

type **xs:string**

properties
isRef 0
minOcc 0
maxOcc 1
content simple

element **CanonicalName/CultivarNameGroup**

diagram



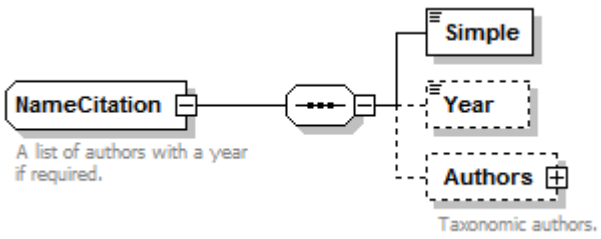
namespace http://www.tdwg.org/schemas/tcs/1.01

type **xs:string**

properties
isRef 0
minOcc 0
maxOcc 1
content simple

complexType **NameCitation**

diagram



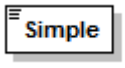
namespace http://www.tdwg.org/schemas/tcs/1.01

children **Simple** **Year** **Authors**

used by
elements **CanonicalAuthorship/Authorship** **AccordingToType/AccordingToDetailed/AuthorTeam** **CanonicalAuthorship/BasionymAuthorship** **CanonicalAuthorship/CombinationAuthorship**

element **NameCitation/Simple**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type **xs:string**

properties
isRef 0
content simple

element **NameCitation/Year**

diagram

namespace http://www.tdwg.org/schemas/tcs/1.01

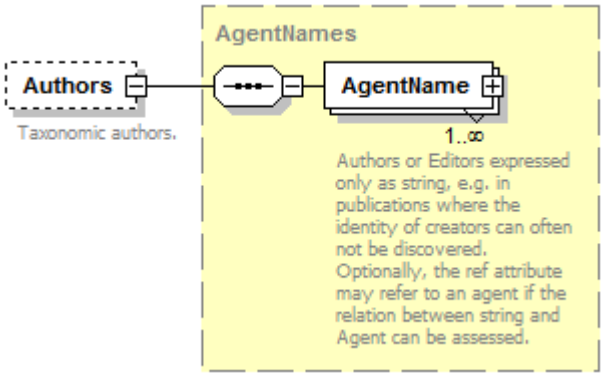
type **xs:gYear**

properties

isRef	0
minOcc	0
maxOcc	1
content	simple

element **NameCitation/Authors**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type **AgentNames**

properties

isRef	0
minOcc	0
maxOcc	1
content	complex

children **AgentName**

complexType **NomenclaturalNoteType**

diagram

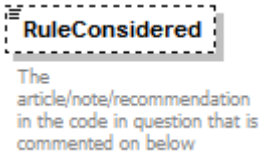
namespace http://www.tdwg.org/schemas/tcs/1.01

children RuleConsidered Note RelatedName PublishedIn MicroReference

used by elements ScientificName/BasedOn ScientificName/Basionym ScientificName/ConservedAgainst ScientificName/LaterHomonymOf ScientificName/PublicationStatus ScientificName/ReplacementNameFor ScientificName/Sanctioned ScientificName/SpellingCorrectionOf

element **NomenclaturalNoteType/RuleConsidered**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type **xs:string**

properties

isRef	0
minOcc	0
maxOcc	1
content	simple

element **NomenclaturalNoteType/Note**

diagram

namespace http://www.tdwg.org/schemas/tcs/1.01

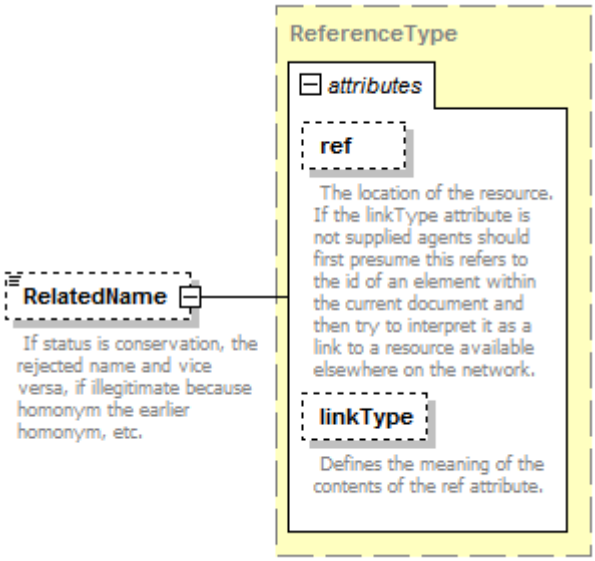
type **xs:string**

properties

isRef	0
minOcc	0
maxOcc	1
content	simple

element **NomenclaturalNoteType/RelatedName**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type **ReferenceType**

properties

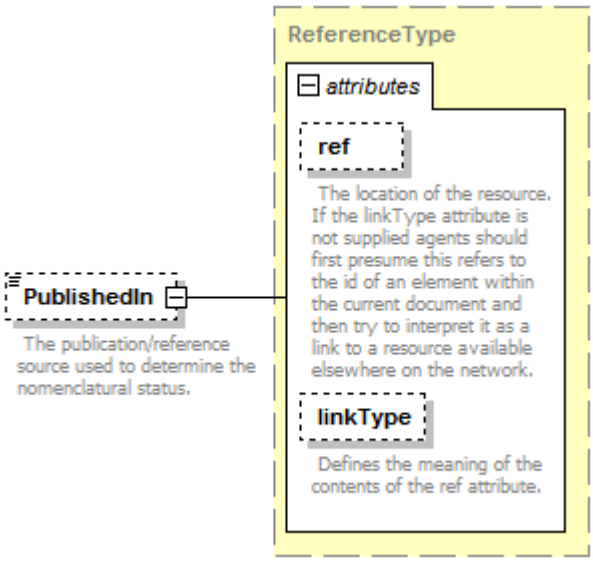
isRef	0
minOcc	0
maxOcc	1
content	complex
mixed	true

attributes

Name	Type	Use	Default	Fixed
ref	**xs:token**	optional		
linkType	**derived by: xs:string**	optional	local	

element **NomenclaturalNoteType/PublishedIn**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type **ReferenceType**

properties

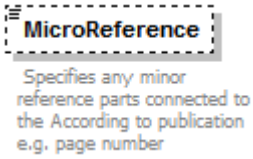
isRef	0
minOcc	0
maxOcc	1
content	complex
mixed	true

attributes

Name	Type	Use	Default	Fixed
ref	**xs:token**	optional		
linkType	**derived by: xs:string**	optional	local	

element **NomenclaturalNoteType/MicroReference**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

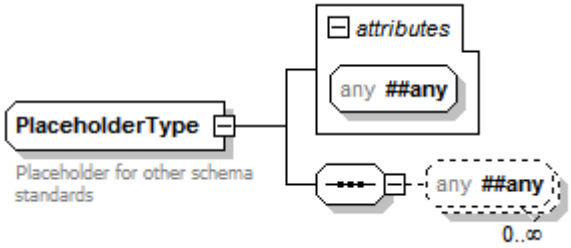
type **xs:string**

properties

isRef	0
minOcc	0
maxOcc	1
content	simple

complexType **PlaceholderType**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

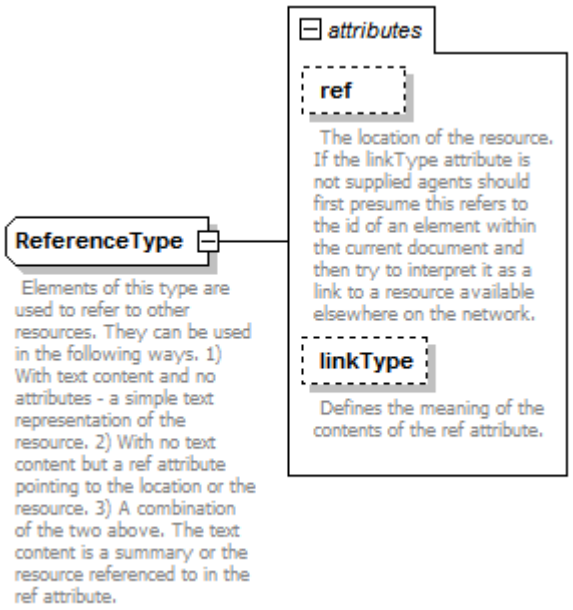
used by elements
DataSet/TaxonConcepts/TaxonConcept/CharacterCircumscription
DataSet/Specimens/Specimen/Collection DataSet/MetaData/MetaDataDetailed
DataSet/TaxonConcepts/TaxonConcept/ProviderSpecificData
ScientificName/ProviderSpecificData DataSet/Publications/Publication/PublicationDetailed
DataSet/Specimens/Specimen/SpecimenItem

attributes

Name	Type	Use	Default	Fixed

complexType **ReferenceType**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

properties mixed true

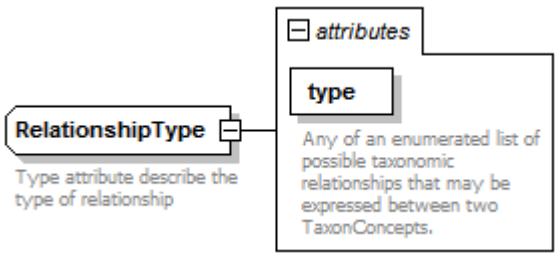
used by elements
AgentNames/AgentName
DataSet/TaxonConcepts/TaxonConcept/SpecimenCircumscription/CircumscribedBy
DataSet/TaxonRelationshipAssertions/TaxonRelationshipAssertion/FromTaxonConcept
CanonicalName/Genus
ScientificName/Typification/TypeVouchers/TypeVoucher/LectotypePublication
ScientificName/Typification/TypeName/LectotypePublication
DataSet/TaxonConcepts/TaxonConcept/Name
ScientificName/Typification/TypeName/NameReference
AccordingToType/AccordingToDetailed/PublishedIn ScientificName/PublishedIn
NomenclaturalNoteType/PublishedIn NomenclaturalNoteType/RelatedName
DataSet/TaxonConcepts/TaxonConcept/TaxonRelationships/TaxonRelationship/ToTaxonConcept
DataSet/TaxonRelationshipAssertions/TaxonRelationshipAssertion/ToTaxonConcept
ScientificName/Typification/TypeVouchers/TypeVoucher/VoucherReference

attributes

Name	Type	Use	Default	Fixed
ref	**xs:token**	optional		
linkType	**derived by: xs:string**	optional	local	

complexType **RelationshipType**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

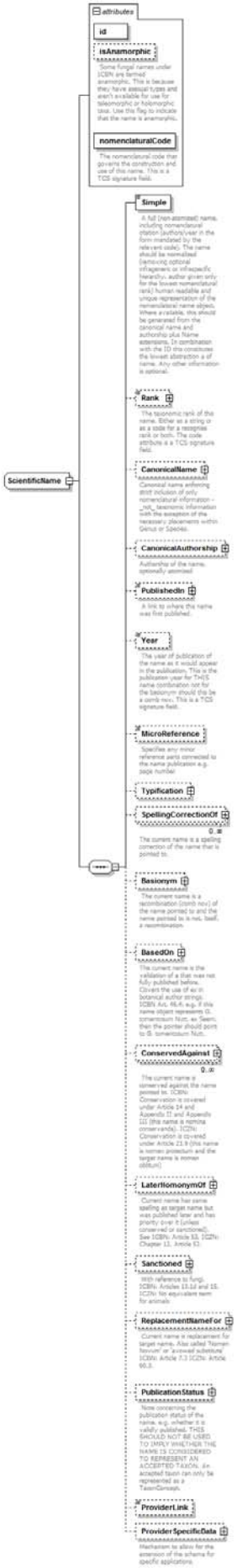
used by elements
DataSet/TaxonConcepts/TaxonConcept/TaxonRelationships/TaxonRelationship
DataSet/TaxonRelationshipAssertions/TaxonRelationshipAssertion

attributes

Name	Type	Use	Default	Fixed
type	**derived by: xs:string**	required		

complexType **ScientificName**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

children **Simple** **Rank** **CanonicalName** **CanonicalAuthorship** **PublishedIn** **Year** **MicroReference** **Typification** **SpellingCorrectionOf** **Basionym** **BasedOn** **ConservedAgainst** **LaterHomonymOf** **Sanctioned**

ReplacementNameFor PublicationStatus ProviderLink ProviderSpecificData

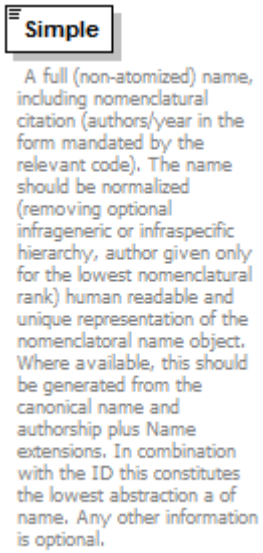
used by element DataSet/TaxonNames/TaxonName

attributes

Name	Type	Use	Default	Fixed
id	xs:NMTOKEN	required		
isAnamorphic	xs:boolean	optional	false	
nomenclaturalCode	NomenclaturalCodesEnum	required		

element **ScientificName/Simple**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

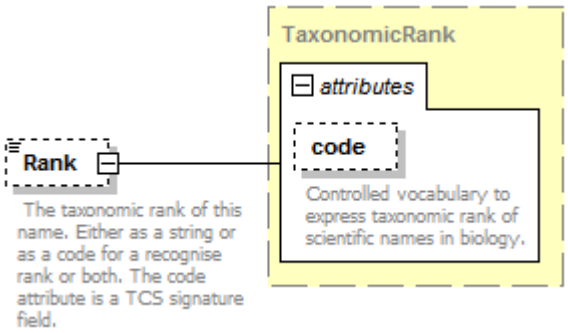
type **xs:string**

properties

isRef	0
content	simple

element **ScientificName/Rank**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type TaxonomicRank

properties

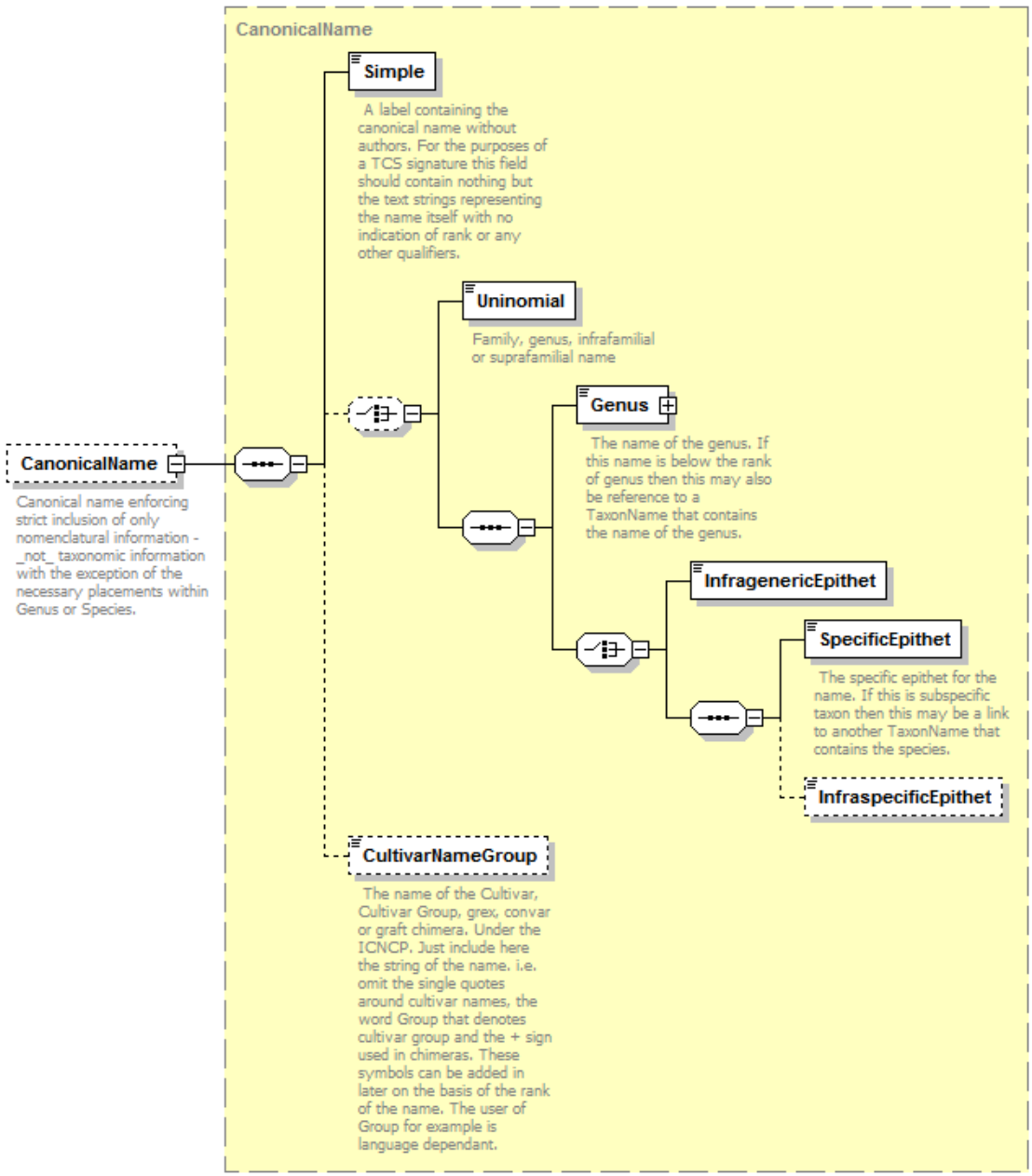
isRef	0
minOcc	0
maxOcc	1
content	complex
mixed	true

attributes

Name	Type	Use	Default	Fixed
code	TaxonomicRankEnum	optional		

element **ScientificName/CanonicalName**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type **CanonicalName**

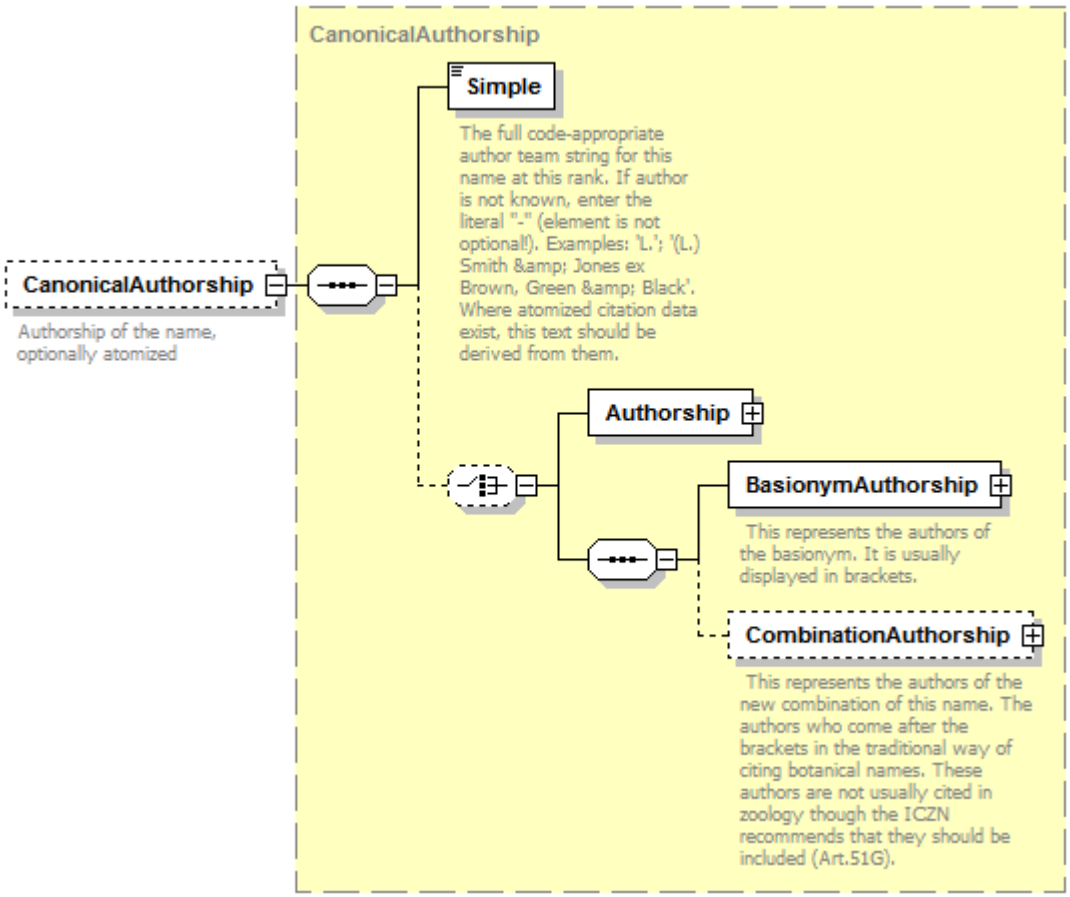
properties

isRef	0
minOcc	0
maxOcc	1
content	complex

children **Simple** **Uninomial** **Genus** **InfragenericEpithet** **SpecificEpithet** **InfraspecificEpithet** **CultivarNameGroup**

element **ScientificName/CanonicalAuthorship**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type **CanonicalAuthorship**

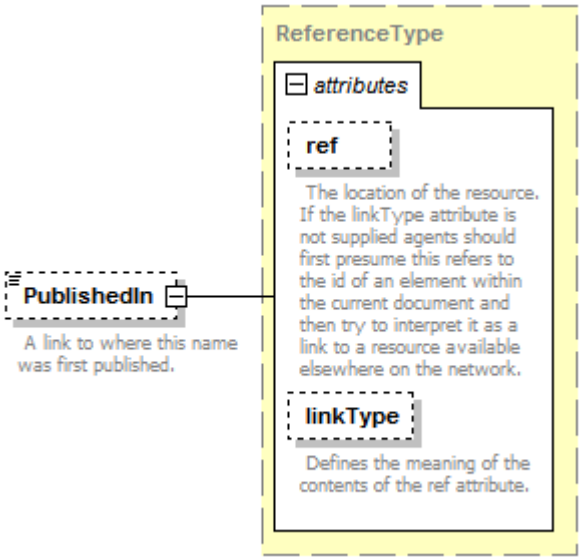
properties

isRef	0
minOcc	0
maxOcc	1
content	complex

children **Simple** **Authorship** **BasionymAuthorship** **CombinationAuthorship**

element **ScientificName/PublishedIn**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type **ReferenceType**

properties

isRef	0
minOcc	0

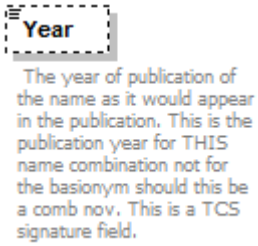
maxOcc 1
content complex
mixed true

attributes

Name	Type	Use	Default	Fixed
ref	**xs:token**	optional		
linkType	**derived by: xs:string**	optional	local	

element **ScientificName/Year**

diagram



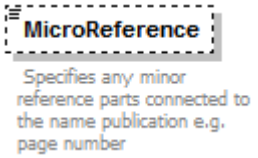
namespace http://www.tdwg.org/schemas/tcs/1.01

type **xs:gYear**

properties
isRef 0
minOcc 0
maxOcc 1
content simple

element **ScientificName/MicroReference**

diagram



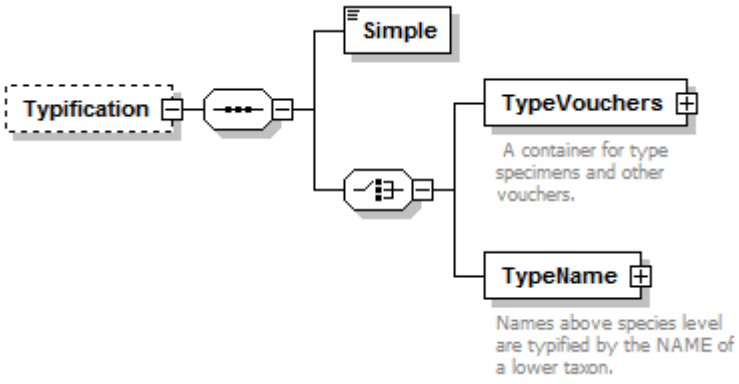
namespace http://www.tdwg.org/schemas/tcs/1.01

type **xs:string**

properties
isRef 0
minOcc 0
maxOcc 1
content simple

element **ScientificName/Typification**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

properties
isRef 0
minOcc 0
maxOcc 1
content complex

children Simple TypeVouchers TypeName

element **ScientificName/Typification/Simple**

diagram

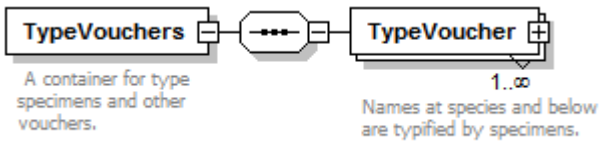
namespace http://www.tdwg.org/schemas/tcs/1.01

type **xs:string**

properties
- isRef 0
- content simple

element **ScientificName/Typification/TypeVouchers**

diagram



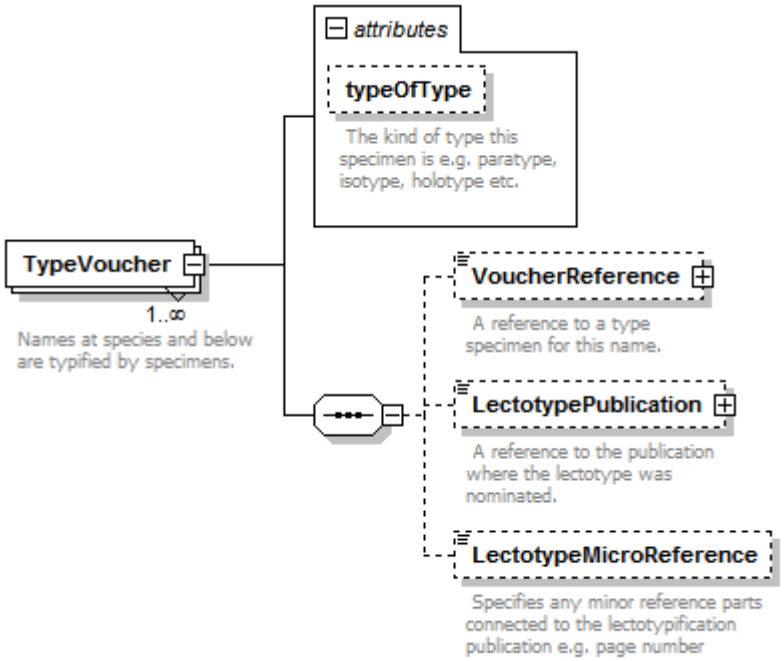
namespace http://www.tdwg.org/schemas/tcs/1.01

properties
- isRef 0
- content complex

children **TypeVoucher**

element **ScientificName/Typification/TypeVouchers/TypeVoucher**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

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

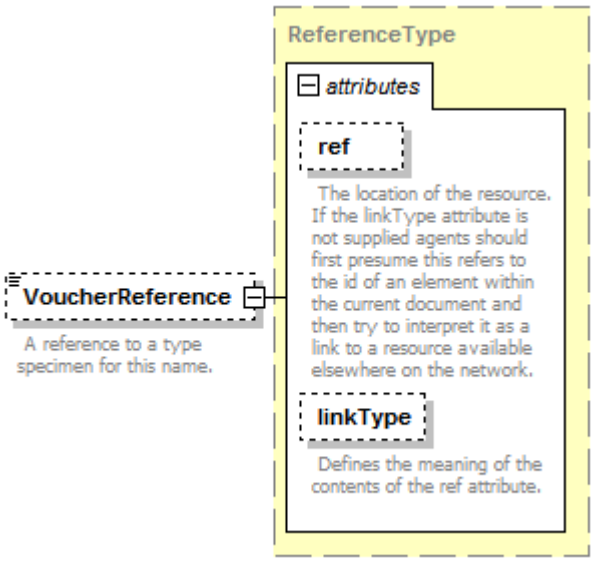
children **VoucherReference** **LectotypePublication** **LectotypeMicroReference**

attributes

Name	Type	Use	Default	Fixed
typeOfType	**NomenclaturalTypeStatusOfUnitsEnum**			

element **ScientificName/Typification/TypeVouchers/TypeVoucher/VoucherReference**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type **ReferenceType**

properties

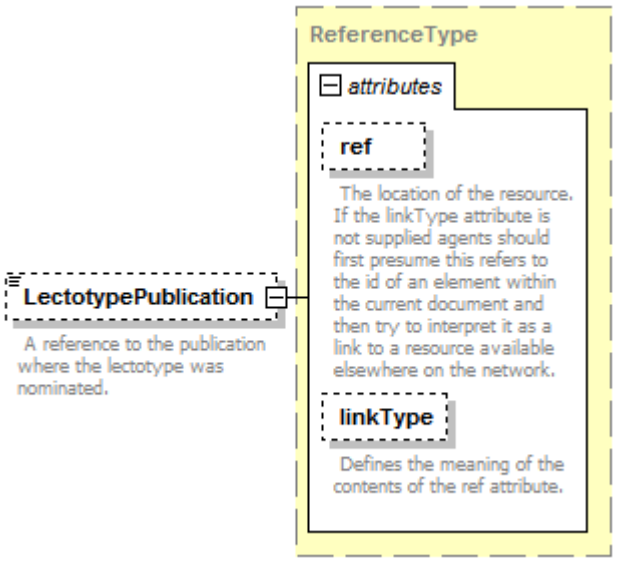
isRef	0
minOcc	0
maxOcc	1
content	complex
mixed	true

attributes

Name	Type	Use	Default	Fixed
ref	**xs:token**	optional		
linkType	**derived by: xs:string**	optional	local	

element **ScientificName/Typification/TypeVouchers/TypeVoucher/LectotypePublication**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type **ReferenceType**

properties

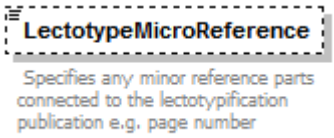
isRef	0
minOcc	0
maxOcc	1
content	complex
mixed	true

attributes

Name	Type	Use	Default	Fixed
ref	**xs:token**	optional		
linkType	**derived by: xs:string**	optional	local	

element **ScientificName/Typification/TypeVouchers/TypeVoucher/LectotypeMicroReference**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

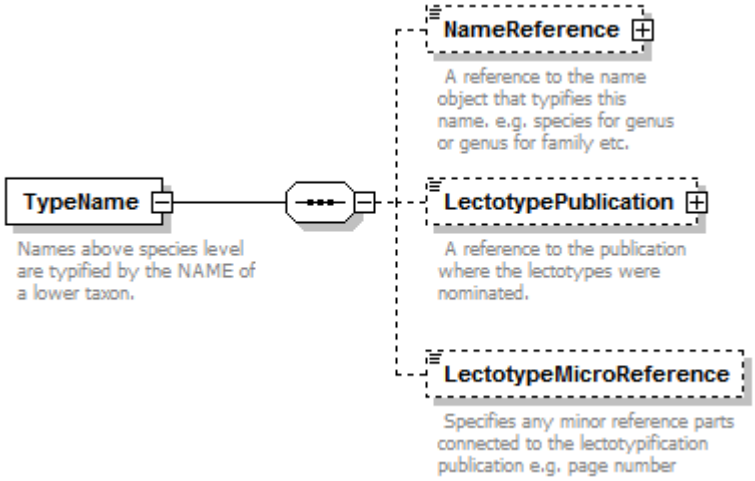
type **xs:string**

properties

isRef	0
minOcc	0
maxOcc	1
content	simple

element **ScientificName/Typification/TypeName**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

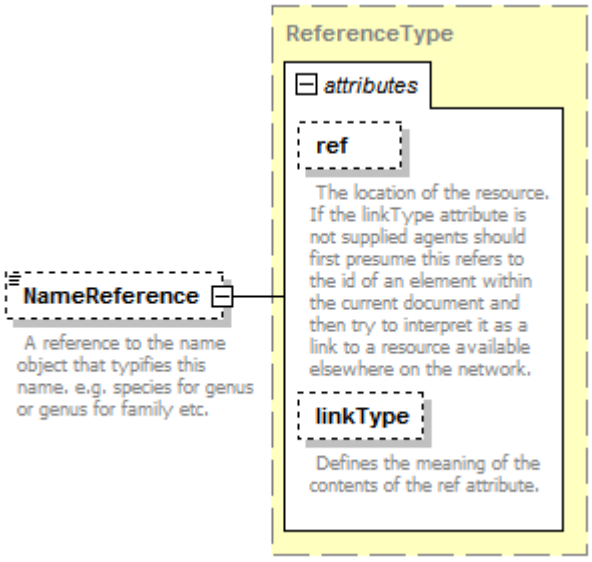
properties

isRef	0
content	complex

children NameReference LectotypePublication LectotypeMicroReference

element **ScientificName/Typification/TypeName/NameReference**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type ReferenceType

properties

isRef	0
minOcc	0
maxOcc	1

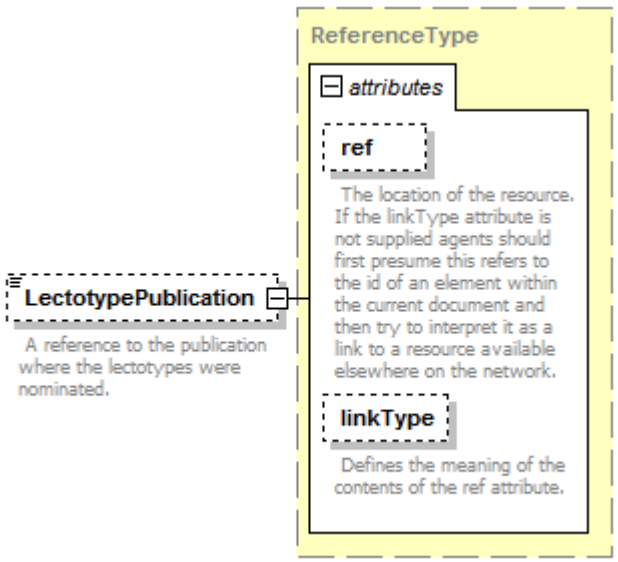
content complex
mixed true

attributes

Name	Type	Use	Default	Fixed
ref	**xs:token**	optional		
linkType	**derived by: xs:string**	optional	local	

element **ScientificName/Typification/TypeName/LectotypePublication**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type **ReferenceType**

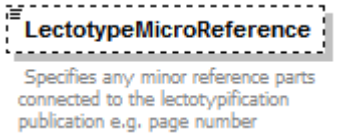
properties
isRef 0
minOcc 0
maxOcc 1
content complex
mixed true

attributes

Name	Type	Use	Default	Fixed
ref	**xs:token**	optional		
linkType	**derived by: xs:string**	optional	local	

element **ScientificName/Typification/TypeName/LectotypeMicroReference**

diagram



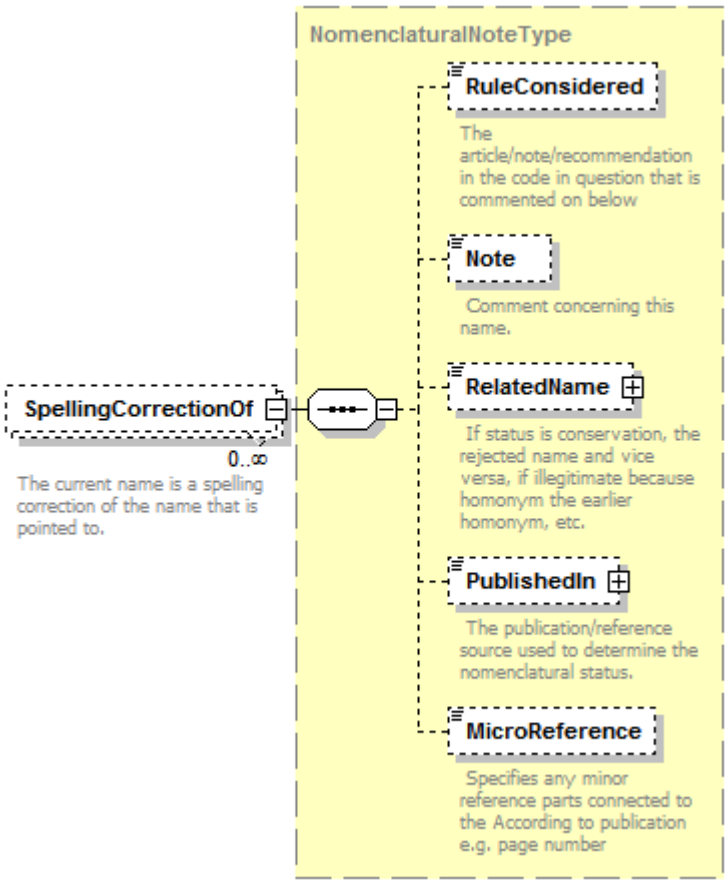
namespace http://www.tdwg.org/schemas/tcs/1.01

type **xs:string**

properties
isRef 0
minOcc 0
maxOcc 1
content simple

element **ScientificName/SpellingCorrectionOf**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type **NomenclaturalNoteType**

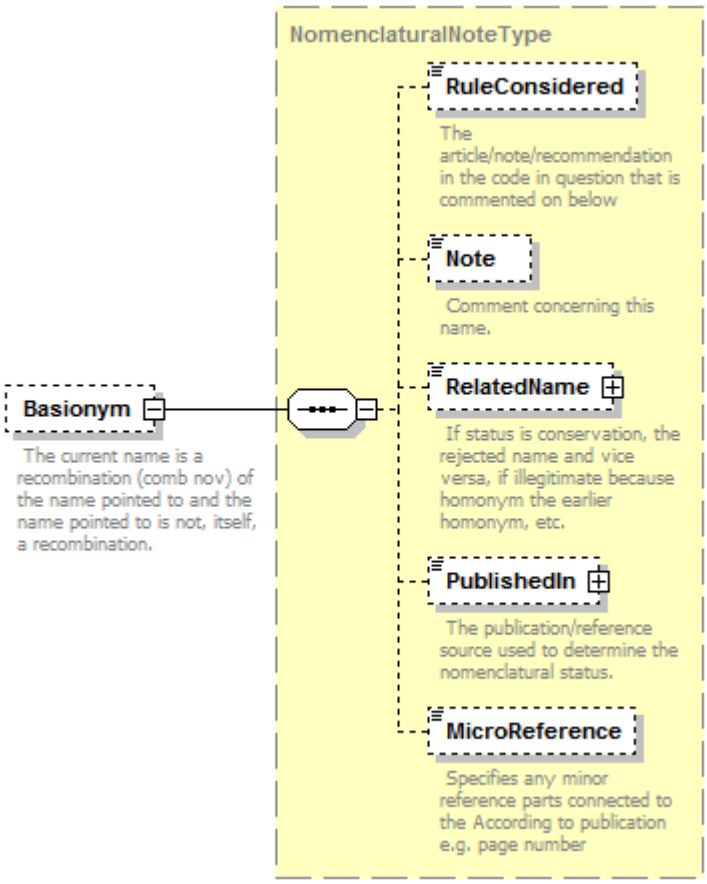
properties

isRef	0
minOcc	0
maxOcc	unbounded
content	complex

children **RuleConsidered** **Note** **RelatedName** **PublishedIn** **MicroReference**

element **ScientificName/Basionym**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type **NomenclaturalNoteType**

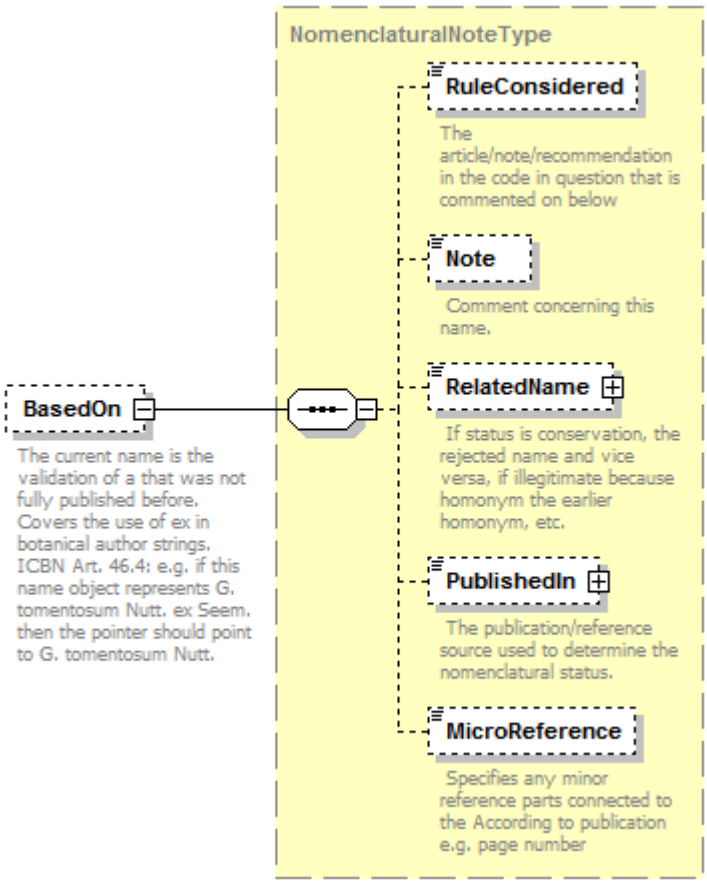
properties

isRef	0
minOcc	0
maxOcc	1
content	complex

children **RuleConsidered** **Note** **RelatedName** **PublishedIn** **MicroReference**

element **ScientificName/BasedOn**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type **NomenclaturalNoteType**

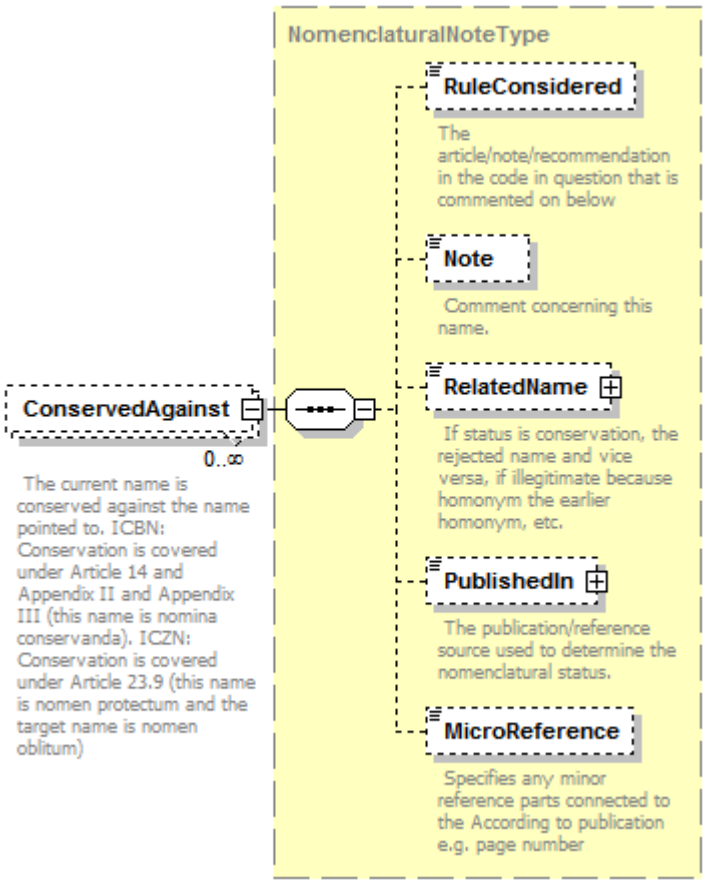
properties

isRef	0
minOcc	0
maxOcc	1
content	complex

children **RuleConsidered** **Note** **RelatedName** **PublishedIn** **MicroReference**

element **ScientificName/ConservedAgainst**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type **NomenclaturalNoteType**

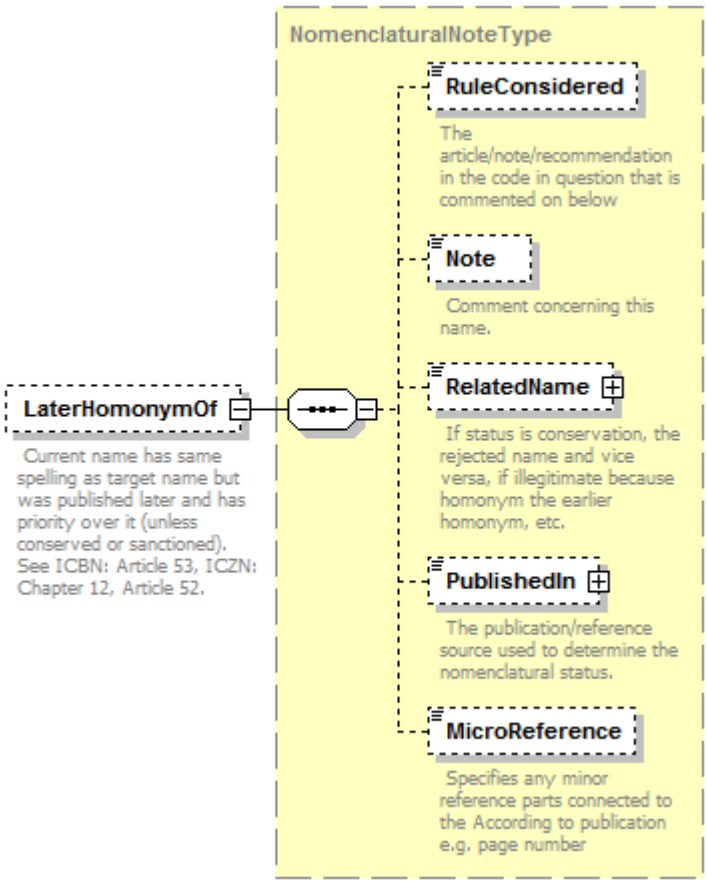
properties

isRef	0
minOcc	0
maxOcc	unbounded
content	complex

children **RuleConsidered** **Note** **RelatedName** **PublishedIn** **MicroReference**

element **ScientificName/LaterHomonymOf**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

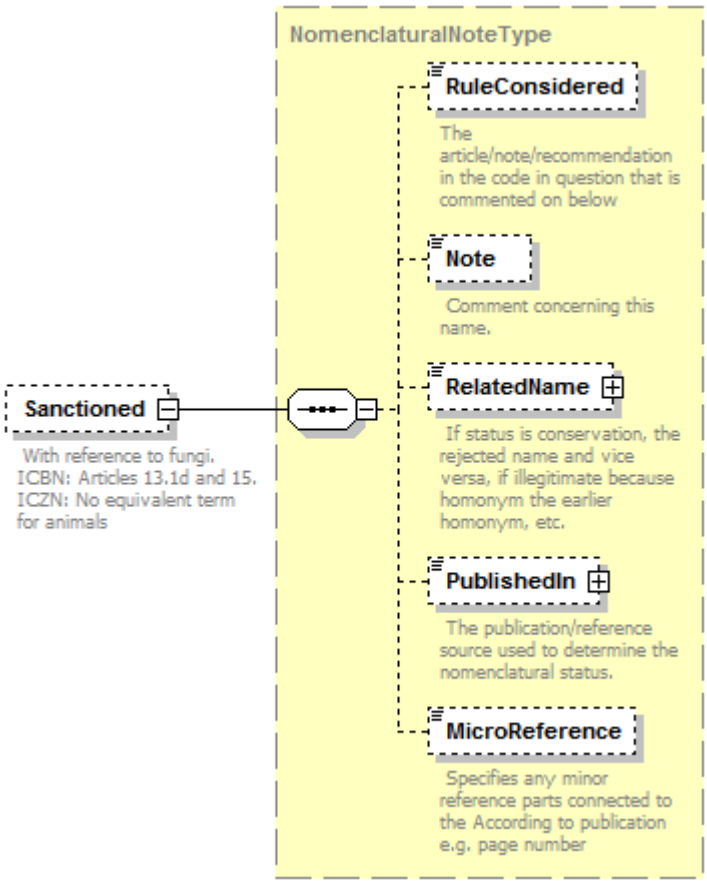
type **NomenclaturalNoteType**

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

children **RuleConsidered** **Note** **RelatedName** **PublishedIn** **MicroReference**

element **ScientificName/Sanctioned**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

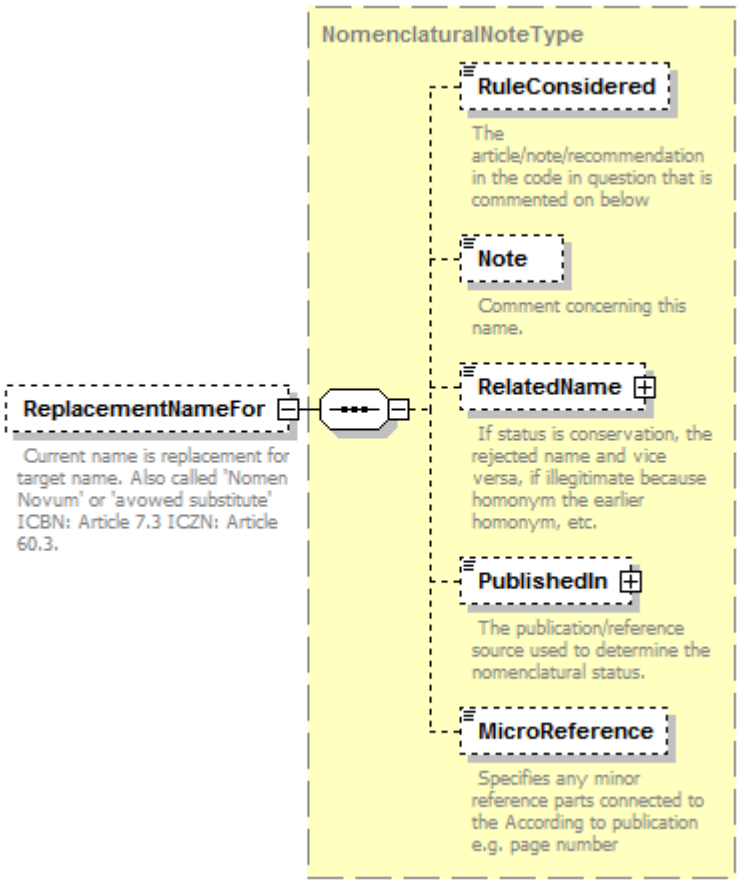
type **NomenclaturalNoteType**

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

children **RuleConsidered** **Note** **RelatedName** **PublishedIn** **MicroReference**

element **ScientificName/ReplacementNameFor**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

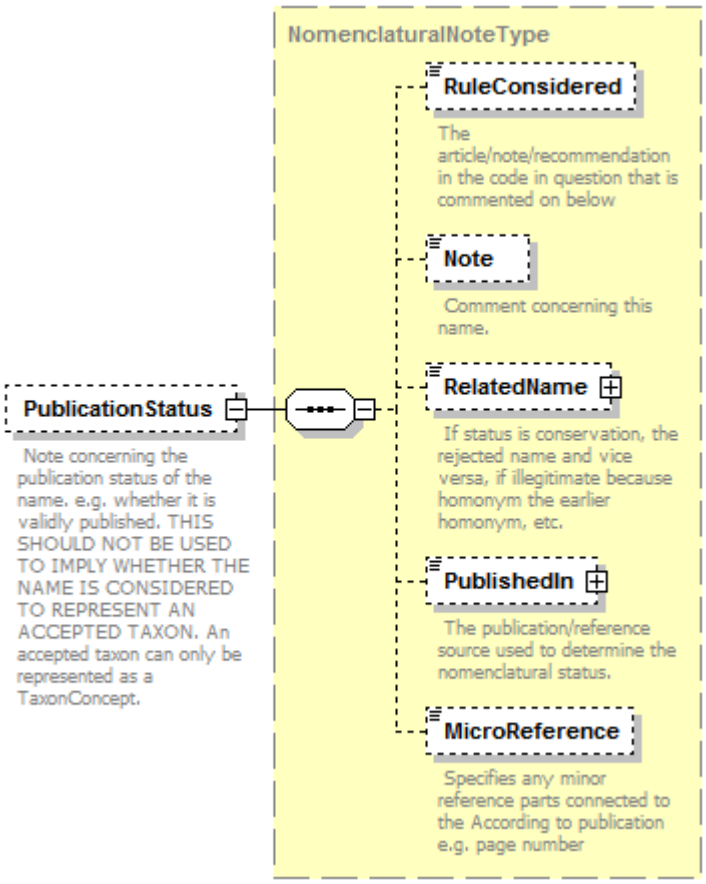
type **NomenclaturalNoteType**

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

children **RuleConsidered** **Note** **RelatedName** **PublishedIn** **MicroReference**

element **ScientificName/PublicationStatus**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

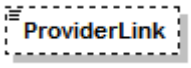
type **NomenclaturalNoteType**

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

children **RuleConsidered** **Note** **RelatedName** **PublishedIn** **MicroReference**

element **ScientificName/ProviderLink**

diagram



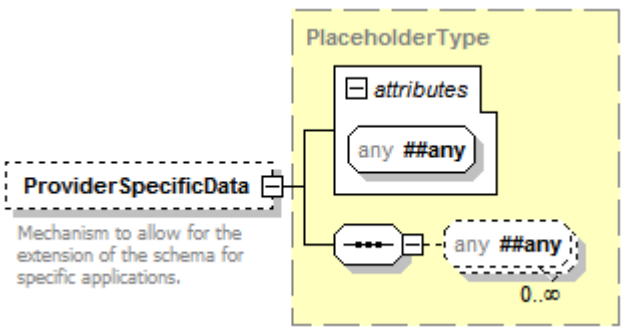
namespace http://www.tdwg.org/schemas/tcs/1.01

type **xs:string**

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

element **ScientificName/ProviderSpecificData**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

type **PlaceholderType**

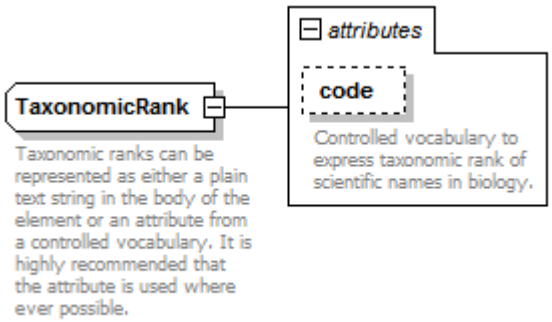
properties
isRef	0
minOcc	0
maxOcc	1
content	complex

attributes

Name	Type	Use	Default	Fixed

complexType **TaxonomicRank**

diagram



namespace http://www.tdwg.org/schemas/tcs/1.01

properties
mixed	true

used by
elements	**DataSet/TaxonConcepts/TaxonConcept/Rank** **ScientificName/Rank**

attributes

Name	Type	Use	Default	Fixed
code	**TaxonomicRankEnum**	optional		

simpleType **NomenclaturalCodesEnum**

namespace http://www.tdwg.org/schemas/tcs/1.01

type restriction of **xs:Name**

used by
attribute	**ScientificName/@nomenclaturalCode**

facets
enumeration	Viral
enumeration	Bacteriological
enumeration	Botanical
enumeration	Zoological
enumeration	CultivatedPlant
enumeration	Indeterminate

simpleType **NomenclaturalTypeStatusOfUnitsEnum**

namespace http://www.tdwg.org/schemas/tcs/1.01

type restriction of **xs:Name**

used by
attribute	**ScientificName/Typification/TypeVouchers/TypeVoucher/@typeOfType**

facets
enumeration	allo
enumeration	allolecto
enumeration	alloneo
enumeration	co
enumeration	epi
enumeration	ex
enumeration	exepi
enumeration	exholo
enumeration	exiso
enumeration	exlecto
enumeration	exneo
enumeration	expara
enumeration	exsyn
enumeration	hapanto
enumeration	holo
enumeration	icono
enumeration	iso
enumeration	isolecto
enumeration	isoneo
enumeration	isosyn
enumeration	lecto
enumeration	neo
enumeration	para
enumeration	paralecto

enumeration	paraneo
enumeration	plasto
enumeration	plastoholo
enumeration	plastoiso
enumeration	plastolecto
enumeration	plastoneo
enumeration	plastopara
enumeration	plastosyn
enumeration	sec
enumeration	supp
enumeration	syn
enumeration	topo
enumeration	type
enumeration	not

simpleType **TaxonomicRankAboveSuperfamilyEnum**

namespace http://www.tdwg.org/schemas/tcs/1.01

type restriction of **xs:Name**

used by simpleType **TaxonomicRankEnum**

facets

enumeration	infraord
enumeration	subord
enumeration	ord
enumeration	superord
enumeration	infracl
enumeration	subcl
enumeration	cl
enumeration	supercl
enumeration	infraphyl_div
enumeration	subphyl_div
enumeration	phyl_div
enumeration	superphyl_div
enumeration	infrareg
enumeration	subreg
enumeration	reg
enumeration	superreg
enumeration	dom
enumeration	taxsupragen

simpleType **TaxonomicRankBelowSubspeciesEnum**

namespace http://www.tdwg.org/schemas/tcs/1.01

type restriction of **xs:Name**

used by simpleType **TaxonomicRankEnum**

facets

enumeration	cand
enumeration	taxinfrasp
enumeration	fsp
enumeration	subsubfm
enumeration	subfm
enumeration	fm
enumeration	subsubvar
enumeration	subvar
enumeration	var
enumeration	pv
enumeration	bv
enumeration	infrasp

simpleType **TaxonomicRankCultivatedPlants**

namespace http://www.tdwg.org/schemas/tcs/1.01

type restriction of **xs:Name**

used by simpleType **TaxonomicRankEnum**

facets

enumeration	cv
enumeration	convar
enumeration	grex
enumeration	cvgroup
enumeration	graftchimaera
enumeration	denomclass

simpleType **TaxonomicRankEnum**

namespace http://www.tdwg.org/schemas/tcs/1.01

type union of (**TaxonomicRankBelowSubspeciesEnum**, **TaxonomicRankSpeciesGroupEnum**,

TaxonomicRankGenusSubdivisionEnum, TaxonomicRankGenusGroupEnum, TaxonomicRankFamilySubdivisionEnum, TaxonomicRankFamilyGroupEnum, TaxonomicRankAboveSuperfamilyEnum, TaxonomicRankCultivatedPlants)

used by attribute TaxonomicRank/@code

simpleType TaxonomicRankFamilyGroupEnum

namespace http://www.tdwg.org/schemas/tcs/1.01

type restriction of **xs:Name**

used by simpleType TaxonomicRankEnum

facets
- enumeration infrafam
- enumeration subfam
- enumeration fam
- enumeration superfam

simpleType TaxonomicRankFamilySubdivisionEnum

namespace http://www.tdwg.org/schemas/tcs/1.01

type restriction of **xs:Name**

used by simpleType TaxonomicRankEnum

facets
- enumeration infratrib
- enumeration subtrib
- enumeration trib
- enumeration supertrib

simpleType TaxonomicRankGenusGroupEnum

namespace http://www.tdwg.org/schemas/tcs/1.01

type restriction of **xs:Name**

used by simpleType TaxonomicRankEnum

facets
- enumeration infragen
- enumeration subgen
- enumeration gen

simpleType TaxonomicRankGenusSubdivisionEnum

namespace http://www.tdwg.org/schemas/tcs/1.01

type restriction of **xs:Name**

used by simpleType TaxonomicRankEnum

facets
- enumeration aggr
- enumeration taxinfragen
- enumeration subser
- enumeration ser
- enumeration subsect
- enumeration sect

simpleType TaxonomicRankSpeciesGroupEnum

namespace http://www.tdwg.org/schemas/tcs/1.01

type restriction of **xs:Name**

used by simpleType TaxonomicRankEnum

facets
- enumeration subsp_aggr
- enumeration ssp
- enumeration sp

XML Schema documentation generated with XMLSpy Schema Editor http://www.altova.com/xmlspy