



## **What's New in NA Data Model 3.1**

## Introduction

This document describes the additions and changes from NA version 3.0 to version 3.1. The new version 3.1 is crucial because it draws upon the first experiences of implementers and reviewers of 3.0. Version 3.0 had a restricted scope in order for reviewers and testers/implementors to verify the content as well as decisions, conventions, and features introduced in 3.0. Errors found after the publication of the v3.0 data model have been corrected in version 3.1. Therefore, it is recommended that version 3.1 should replace version 3.0 as soon as possible in your implementation.

Also please see the *Diff Documents* posted with this document. These documents detail the differences between the 3.0 and the 3.1 XSD files and should be considered the complete documentation of the changes and additions for Data Model version 3.1.

## Additions to the Data Model

- Assessment - Added three new objects: assessmentItemAssociation, assessmentRubric, assessmentScoreTable
- New composite object: studentCore
- New Identity Management object: userOrganizationAssociation
- Added Address Type element to the Address object.
- added gSIF\_CompositeType and gSIF\_ReportType in global model.
- added enumerations to gSexusType
- added gLaxCodedElementType – this type allows coded elements to be specified now without requiring a codeset exist. This type has exactly the same structure as gCodedElementType except that codesetName is optional.

### Changes that do not affect XML:

- changed gRefIdPointerType from a complex to a simple type so that it can be used as an XML attribute.
- gNamedOrganizationAssociationType renamed to gPartyOrganizationAssociationType
- removed redundant namespace declarations from CEDS XSD files.
- gCredentialsList renamed to gCredentialList
- gCountiresOfCitizenship renamed to gCountryOfCitizenshipList
- gEducationFilter - not used, deleted for now.
- Standardized names of some SIF Global Common Types
- Filenames of Report Objects changed from US to NA
- Note that the namespace for v3.1 is <http://www.sifassociation.org/datamodel/na/3.1> whereas the namespace for the previous version was <http://www.sifassociation.org/datamodel/us/3.0>. The “/us” has been changed to “/na”.
- Extension point in gSIF\_EntityType, gSIF\_ReportType, gSIF\_CompositeType, and all other non-root extension points – the extension point (xs:any) attribute Process Contents has been changed from lax to strict.

## Changes to the Data Model

These changes are potentially backward breaking changes.

### Identity Management

- Removed identityManagementSystem object
- Removed identityManagementArtifact Object
- Application object: element additions and deletions
- Authentication object: element additions and deletions
- Authorization object: element additions and deletions

### Assessment Objects

Capitalization errors corrected in the following Assessment objects:

- assessmentSection
- assessmentForm
- assessmentItem
- assessmentSubTest
- assessmentAdministration

Corrected definition and type for element assessmentSubTest/subTestIdentifierList/subTestIdentifier.

Assessment Package RefId element removed from the Assessment objects. This was a vestige from 2.6 that is no longer needed.

### Lists

- Lists: list items are now 0..\* instead of 1.. \*

### Global Common Types Changes

- gDwellingArrangementType, gElectronicIdTypeType, gEmailTypeType, gMedicalAlertSeverityType: changed from xs:list to token.
- gCourseCreditType, gCourseCreditListType normalized to SIF List.
- countriesOfResidency changed to countryOfResidency

- gSessionSchedule: classRoomList changed to roomList.
- gStaffPersonAssignmentType: staffRefId changed to staffPersonRefId
- gSectionTeacherType: staffRefId changed to staffPersonRefId.
- gAbstractContentElementType : changed sequence to choice. Also cleaned up structure.
- gK12CourseType/externalCourseCodeList/externalId changed to externalCourseCode
- changed name of gDemographicsType/ethnicity to gDemographicsType/ethnicityList.
- gDemographicsType/countryOfCitizenshipList/country changed to gDemographicsType/countryOfCitizenshipList/countryOfCitizenship
- gLanguageDescription/code changed to gLanguageDescription/languageCode
- gPersonLongitudinalType name changed to gPersonRoleAssociationType. subtypeRefId name changed to roleRefId.
- Added type to gEmailList.
- Moved type for gPhoneNumberList to be an element.
- Corrected gSpanGapList to contain elements of type gSpanGapType
- gLocalIdType now a complex element.

#### Assessment Summary Object Changes

- The element named Fact changed to the name Cell.
- Cell was corrected to be repeatable.
- Changed lists to conform to conventions.
- RefId changed from element to attribute to be consistent with other objects.

#### SIF Entity Object Changes

- staffSectionAssociationType: roles changed to roleList.
- partyAddressAssociationType: removed list of addresses and replaced with a single address.
- partyOrganizationAssociationType: changed name of memberRefId to partyRefId
- studentProgramAssociationType: changed name of studentPersonalRefId to studentRefId
- student/disability: changes to types of the elements in this group.
- Section/shortname changed to section/name

- learningResourceType/learningStandardList changed to learningStandardItemRefIdList
- disciplineIncidentType/offenderList/offender/secondaryBehaviorList changed to secondaryBehaviorCodeList
- SRE object lists all corrected to be named with List appended to the end of the item name.
- personLongitudinal name changed to personRoleAssociation and moved to the Association objects group. personLongitudinalType was changed in a similar manner.

### CEDS Object Changes

Lists in CEDS objects:

- Lists changed to be 0..\* instead of 1..\*
- List names changed to conform to naming convention i.e. xxxList.

Some CEDS object names conflict with SIF Entity object names. It has been determined that CEDS objects should have the same namespace as all other SIF objects. Therefore, the following CEDS object names have been changed:

- learningGoal → learningGoalCEDS
- learningResource → learningResourceCEDS
- parentGuardian → parentGuardianCEDS
- family → familyCEDS
- lea → leaCEDS
- sea → seaCEDS
- contactPerson → contactPersonCEDS
- program → programCEDS
- incident → incidentCEDS
- calendar → calendarCEDS
- facility → facilityCEDS
- achievement → achievementCEDS
- crisisIncident → crisisIncidentCEDS