



# Unity Data Model Summary of Changes

SIF Data Model Implementation Specification (NA) 4.3

Updated: September 2, 2022

## V 4.2 Scope:

1. Grade Passback
2. Standards Based Grading
3. ED Facts Reporting
4. State Requests

Release Location: <http://specification.sifassociation.org/Implementation/NA/4.3/>

### Grade Passback Enhanced

The A4L Community undertook two different initiatives to enhance Grade Passback within Unity. The first is updating the data model to support both partial and missing scores. These required two straight forward changes to the GradingAssignmentScore object, one of which already has a CEDS alignment. The second initiative was to simplify choreographies by requesting the Infrastructure Team support asynchronous requests all the way through the standardized infrastructure. This enables a meaningful return path for the resulting acceptance of scores. Both of these initiatives have been completed.

See: [GradingAssignmentScore](#), [SIF Infrastructure Specification 3.5](#)

### Standards Based Grading Optimized

In the past, supporting Standards Based Grading in a SIF integration required the addition of the LearningStandardAssociation object to make the fundamental linkages between scores and standards. While possible, the LearningStandardAssociation object is actually set up to link one standard to many objects, meaning as scores come in, each of these objects must either grow without bound or multiply such that many duplicates exist for the same standard. Clearly these objects are best left for unforeseen use cases rather than one as common as Standards Based Grading. To that end we have added the capability of GradingAssignment, GradingAssignmentScore objects to reference their related LearningStandardItems or LearningStandardDocuments directly.

See: [GradingAssignment](#), [GradingAssignmentScore](#)

### ED Facts Reporting Updated

The state of Wyoming discovered fifteen gaps between our latest ED Facts mapping and Generate's (a CEDS tool for federal reporting) staging tables. All of these that were also

missing from Unity have been included (added or aligned) in this release. An updated mapping document is included with the draft and separate public relations is expected to follow this release.

See: [Assessment](#), [CalendarDate](#), [EmployeeAssignment](#), [EmployeePersonal](#), [SchoolInfo](#), [StaffAssignment](#), [StaffPersonal](#), [StaffSectionAssignment](#), [StudentAttendanceSummary](#), [StudentCareerTechnical](#), [EDFacts Mapping Spreadsheet](#)

### **State Requests Honored**

North Carolina has been working with the A4L and CEDS communities to determine which of their needs exist in other states and add solutions to our standards. This release of Unity includes seven such solutions.

See: [EmployeePersonal](#), [LEAInfo](#), [SchoolInfo](#), [StudentParticipation](#), [StudentPersonal](#)