

## Specification for the migration of legacy data to the Data Futures data model.

### Migration.StudentCourseSession.SessionStatus

Version 0.1.0: Revision history at foot of document

#### Overview

This document provides the specification for the migration of legacy data into the Data Futures SessionStatus sub-entity of StudentCourseSession.

This is one of a series of specifications produced to translate or map legacy data submitted against the CXX051/54 collections into the Data Futures data model (056). The data migration activity will allow quality assurance checks to be run on the first Data Futures collection in 2022/23 for data submitted by providers.

#### Entities covered in this specification

Entity name	Entity description
<b>Migration.StudentCourseSession.SessionStatus</b>	Provides information on how data has been migrated into the SessionStatus sub-entity of Student course session.

**Migration.StudentCourseSession.SessionStatus** - This sub-entity of StudentCourseSession represents the status of the student during the Student course session. A student may have multiple status during a Student course session, for example, a student starts in writing-up status and then changes to dormant before the session ends. Therefore, there is a one-to-many mapping between a Student course session and session status. This entity only contains information when the student has been writing-up or dormant during the Student course session. If a student has been active throughout (excluding writing-up), no session status information is required as it is implied. Each Student course session status can be identified by a unique combination of student identifier, HE provider identifier, instance identifier, Student course session identifier and status valid from date.

These entities are only created for students within the migrated population (see Z\_POPMIGRATION). This applies to both the Student record (051) and the Student Alternative record (054).

**Depend upon fields**

- Provider.UKPRN
- Student.HUSID
- Instance.NUMHUS
- Instance.INSTANCEKEY (SR)
- InstancePeriod.INSTANCEPERIODKEY (SAR)
- Instance.COMDATE
- Instance.ENDDATE
- Instance.LOCSDY
- Instance.MODE
- InstancePeriod.MODE (SAR)
- Instance.MCDATE (SR)
- Instance.NOTACT (SR)
- InstancePeriod.NOTACT (SAR)
- InstancePeriod.STULOAD (SAR)
- Instance.REDUCEDI (SR)
- Migration.Z\_NONSTANDARD (SR)
- Migration.StudentCourseSession.SCSSTARTDATE
- Migration.StudentCourseSession.SCSENDDATE

**Additional information**

Subject information has been taken from the same collection year as the corresponding Student course session. Complete mapping is not possible due to insufficient detail in legacy collection.

Data Futures field	Data Futures field	Legacy field(s)	Applicable to	Migrated?	Direct mapping?
SCSESSIONID	Student course session identifier	INSTANCEKEY (051) / INSTANCEPERIODKEY (054)	051, 054	Y	Y
STATUSVALIDFROM	Status valid from	COMDATE, ENDDATE, MCDATE, LOCSDY, MODE, NOTACT	051, 054	Y	N
STATUSCHANGEDTO	Status changed to	COMDATE, ENDDATE, MCDATE, LOCSDY, MODE, NOTACT	051, 054	Y	N

These fields work in tandem and aim to identify when a student changes to dormant status, writing-up or returns to being active after a period of dormancy or writing-up. There is no direct mapping to '03' (Intercalate) in legacy – intercalating information is only available from another provider.

Writing-up or dormant mode of study (MODE = 43, 44, 51, 63, 64, 73, 74), suspended studies (NOTACT = 1, 2) and dormant reduced return (REDUCEDI = 04) are used to identify the status of the student.

**Status changed to (STATUSCHANGEDTO) codes and labels for reference:**

There is no direct mapping to '03' (Intercalate) in legacy – intercalating information is only available from another provider.

Data Futures 056 Code	Data Futures 056 Label
01	Active
02	Dormant
03	<i>Intercalate</i>
04	Writing-up

**Value mapping tables and guidance**

Student record (051)  
STATUSCHANGEDTO

Migration.Z_POPMIGRATION	Legacy Instance.REDUCEDI	Legacy Instance.MODE	Legacy Instance.NOTACT	Migration.SCS.SessionStatus.STATUSCHANGEDTO
0				No record created
1	04			02
	Otherwise	51, 63, 64, 73, 74		02
		43, 44		04
		Otherwise	1, 2	02
			Otherwise	No record created

For students from the previous collection year on a non-standard year, a second status change and status valid from is calculated for the following scenarios:

- The record in the previous collection year has inactive mode of study (MODE = 43, 44, 63, 64, 51, 73, 74) and there is a record in the latest collection year for the same SID, UKPRN and NUMHUS which the student has active mode of study, and the mode change date falls within the previous Student course session. Add in a change to active (STATUSCHANGEDTO = 01) from the mode change date (MCDATE).

- There is a record in the latest collection year for the same SID, UKPRN and NUMHUS for which the student is inactive (MODE = 51, 63, 64, REDUCEDI = 04 or MODE = 43, 44, 73, 74 and not MCDATE <= SCSSTARTDATE). Add in a change to dormant (STATUSCHANGEDTO = 02) from 1 August of the latest collection year.
- There is a record in the latest collection year for the same SID, UKPRN and NUMHUS for which the student is (MODE = 73, 74 and MCDATE <= SCSSTARTDATE). Add in a change to dormant (STATUSCHANGEDTO = 02) from the mode change date (MCDATE).
- There is a record in the latest collection year for the same SID, UKPRN and NUMHUS for which the student is writing up (MODE = 43, 44 and MCDATE <= SCSSTARTDATE). Add in a change to writing up (STATUSCHANGEDTO = 04) from the mode change date (MCDATE).

For all other scenarios, there can only be at most one change of status for each Student course session.

## STATUSVALIDFROM

For all Student course sessions in the migration population (Z\_POPMIGRATION = 1):

Students who are dormant (REDUCEDI = 04 or MODE = 63, 64) or on sabbatical (MODE = 51) are assumed to have been in that status since the start of their Student course session. Students who are writing up (MODE = 43, 44) are assumed to have been in this status since the start of their Student course session unless MCDATE has been returned to indicate when this change took place.

Students who changed to dormant (MODE = 73, 74) and for whom mode change (MCDATE) has been returned, this is the date on which it is assumed they went dormant. When MCDATE has not been returned and the student hasn't finished their studies (ENDDATE is NULL), it is assumed the student was active at some point during the Student course session. In the absence of any information about the point at which the student goes dormant, the last day of the Student course session (SCSENDDATE) is used or the end of the reporting period if SCSENDDATE is NULL. Where an end date has been returned, the end date itself is used for the point at which the student goes dormant. This ensures that students with MODE = 73 or 74 are included in the standard registration population (as they are in legacy) unless the mode change date suggests otherwise.

For all other students, if a student suspends their studies (NOTACT = 1, 2) and has a non-standard year type, they are assumed to have been dormant for the entire reporting period (in line with legacy) and the change to dormant status is set at the start of the Student course session or the start of the reporting period, whichever is later. Where the student suspends their studies and the year type is standard, these students are treated the same as those who have changed to dormant mode.

STATUSVALIDFROM cont.

Migration. Z_POPMI GRATION	Legacy Instance. REDUCEDI	Legacy Instance. MODE	Legacy Instance. MCDATE	Legacy Instance. ENDDATE	Legacy Instance. NOTACT	Migration. Z_NONSTANDARD	Migration.SCS. SCSENDDATE	Migration. SCS.SessionStatus. STATUSVALIDFROM	
0								No record created	
1	04							SCSSTARTDATE	
	Otherwise	51, 63, 64							SCSSTARTDATE
		43, 44, 73, 74	Not NULL						MCDATE
		43, 44 73, 74			NULL			Not NULL	SCSSTARTDATE SCSENDDATE
		73, 74			NULL			NULL	(Y2)-07-31
		73, 74			Not NULL				ENDDATE
		Not 43, 44, 51, 63, 64, 73, 74			NULL	1, 2	1		GREATEST( SCSSTARTDATE, (Y1)-08-01)
					NULL	1, 2		Not NULL	SCSENDDATE
					NULL	1, 2		NULL	(Y2)-07-31
					Not NULL	1, 2			ENDDATE
							SCSSTARTDATE		

As above, for students from the previous collection year on a non-standard year, a second status change and status valid from is calculated for the following scenarios:

- The record in the previous collection year has inactive mode of study (MODE = 43, 44, 63, 64, 51, 73, 74) and there is a record in the latest collection year for the same SID, UKPRN and NUMHUS which the student has active mode of study, and the mode change date falls within the previous Student course session. Add in a change to active (STATUSCHANGEDTO = 01) from the mode change date (MCDATE).
- There is a record in the latest collection year for the same SID, UKPRN and NUMHUS for which the student is inactive (MODE = 51, 63, 64, REDUCEDI = 04 or MODE = 43, 44, 73, 74 and not MCDATE <= SCSSTARTDATE). Add in a change to dormant (STATUSCHANGEDTO = 02) from 1 August of the latest collection year.

- There is a record in the latest collection year for the same SID, UKPRN and NUMHUS for which the student is (MODE = 73, 74 and MCDATE <= SCSSTARTDATE). Add in a change to dormant (STATUSCHANGEDTO = 02) from the mode change date (MCDATE).
- There is a record in the latest collection year for the same SID, UKPRN and NUMHUS for which the student is writing up (MODE = 43, 44 and MCDATE <= SCSSTARTDATE). Add in a change to writing up (STATUSCHANGEDTO = 04) from the mode change date (MCDATE).

For all other scenarios, there can only be at most one change of status for each Student course session.

### Student Alternative record (054) STATUSCHANGEDTO

For all instance periods within the combined instance period, check to see if any of them are inactive, that is where there is zero or NULL student load with an end date before 1 August Y1 or the student has suspended their studies (NOTACT = 1 or 2). Inactive instance periods are those for which TEMP = 1:

Migration. Z_POPMIGRATION	Legacy InstancePeriod.STULOAD	Legacy Instance.ENDDATE	Legacy InstancePeriod.NOTACT	Migration. TEMP
0				No record created
1	0, null	Not null, and < (Y1)-08-01		1
		Null, or not null and >= (Y1)-08-01	1, 2	1
			Null	0
	> 0			0

For all combined instance periods containing an active instance period (TEMP = 0), an entry is created in the migrated SessionStatus entity with STATUSVALIDFROM as the earliest instance period start date of the active instance periods with STATUSCHANGEDTO = 01. If the earliest instance period start date is the SCSSTARTDATE itself, no entry is created as a status change is not required (it is implied) if the student is active at the start of the StudentCourseSession.

For all combined instance periods containing an inactive instance period, an entry is created in the migrated SessionStatus entity with STATUSVALIDFROM as the earliest instance period start date of the inactive instance periods with STATUSCHANGEDTO = 02. Note that a combined instance period may contain two or more inactive instance periods with active instance periods between. In this case, multiple entries in this entity would be created with STATUSCHANGEDTO = 02.

For all combined instance periods containing a writing-up mode of study, an entry is created in the migrated SessionStatus entity with STATUSVALIDFROM as the earliest instance period start date of the writing-up instance periods with STATUSCHANGEDTO = 04.

Note: For a small number of records for which the combined instance period contains two periods of inactivity with an active period between, there will be three status changes for the Student course session.

#### Migrated data description – StudentCourseSession.SessionStatus

Entity	Field name	Description
Migration.Provider.	UKPRN	Provider – UKPRN
Migration.Provider.	INSTID	Provider - HESA identifier (key)
Migration.Student.	SID	Student identifier (key)
Migration.Engagement.	NUMHUS	Engagement number (key)
Migration.StudentCourseSession.	SCSESSIONID	Student course session identifier (key)
Migration.StudentCourseSession.SessionStatus.	STATUSVALIDFROM	Status valid from (key)
Migration.StudentCourseSession.SessionStatus.	STATUSCHANGEDTO	Status changed to

#### Revision history

2021-10-06	0.0.1	Updated link to coding manual.
2022-02-07	0.0.1	Formatting changes, removing colour coding. References to SR and SAR changed to 051 and 054 respectively.
2022-02-23	0.1.0	Legacy fields removed from migration dataset and links to coding manual updated to 21056, 20051 and 20054.
2022-07-19	0.1.1	Derived fields removed from migrated data description.