

DATA FUTURES ALPHA PILOT SCENARIOS

STUDENT: FULL-TIME 1-YEAR TAUGHT MASTERS

The curriculum and venue data has been returned ahead of time, details of the student and their engagement with this are now returned.

Characteristics

Provider:

- This scenario applies to providers in England, Northern Ireland, Scotland, and Wales. Where a field or entity applies to a subset of these, this is indicated.
- Publicly funded

Student:

- Not an apprentice
- Not incoming/exchange
- No financial support
- Not disabled
- No changes to person characteristics during the lifetime of the course
- Fees of £8,000 for a year
- No student initiatives apply
- A first degree is the highest qualification on entry
- In receipt of a student loan
- Permanent home address in England

Pattern of study:

- Starts all course sessions on the planned date for that course session
- Completes all course sessions successfully on the planned date for that course session
- Starts all modules on the planned date for the module delivery
- Completes all modules successfully on the planned date for the module delivery
- No breaks in learning
- No interim award
- Achieves qualification aim two months after course completion
- No off-venue activity

Activity in each reference period

Year 1, reference period 1 (page 3)

- Student registers
- Student enrolls and begins studying on modules 1-3

Year 1, reference period 2 (page 11)

- Student completes modules 1-3 and begins modules 4-6
- Student completes modules 4-6

Year 1, reference period 3 (page 14)

- Student begins studying on module 7- this is the dissertation module

Year 2, reference period 1 (page 15)

- The student completes module 7 and the Student registration ends

- Qualification is awarded

Whilst the student studies on the Course delivery for one year, as this runs from January to December. This covers four reference periods.

Key stages

Return Student (incl. Person identifiers and Person address)	3
Return Personal characteristics	4
Return Engagement	5
Return Student registration	6
Create Student course session	7
Return Student course session mode	8
Return Funding and monitoring	9, 17
Assign the Student to a Module	11, 13, 15
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Close Student course session	17
Return Leaver information	18
Return Qualification awarded	19



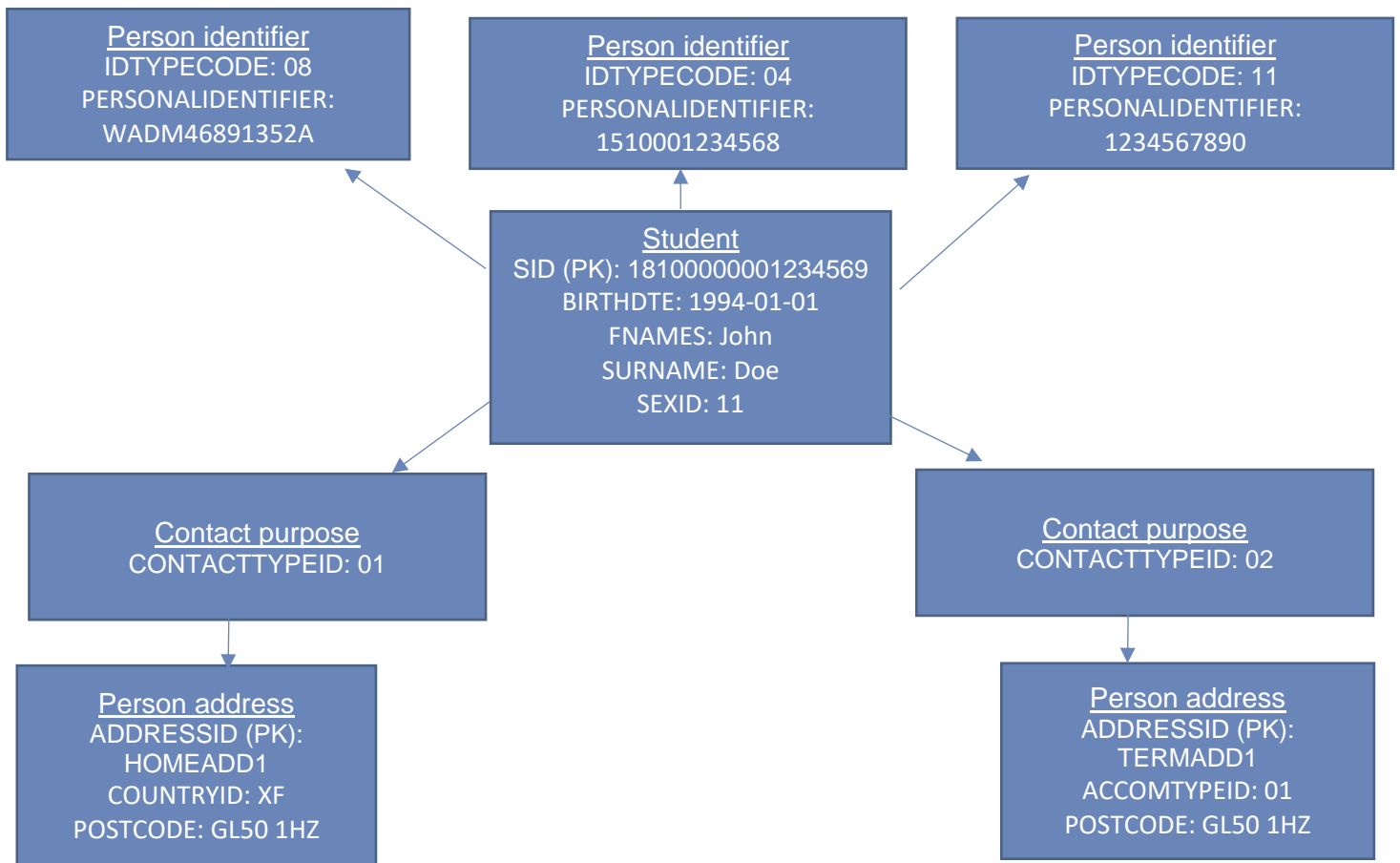
Year 1 reference period 1

Before the student can be associated with the relevant curriculum data, information about the student and their registration must be returned.

1. Return Student

Minimum data required:

- Student
- Contact purpose and Person address for home and term time address
- Person identifiers for SSN and UCASPERID



Hints and tips:

- The SID must be a unique identifier for the Student within the HEP.
- ADDRESSID must be a unique identifier for the Person address within the Contact purpose. Two Person address entities may have the same ADDRESSID provided they are associated with different Contact purpose entities
- Many Person identifiers can be returned, including a provider's own student identifier and, optionally, a ULN.
- A permanent home address is required for all students.
- A term time address is required for students who are not on a placement or studying abroad for the full Course session.
- As the student has previously been returned to HESA, their persistent HUSID must be returned with an IDTYPECODE of 04.

Year 1 reference period 1

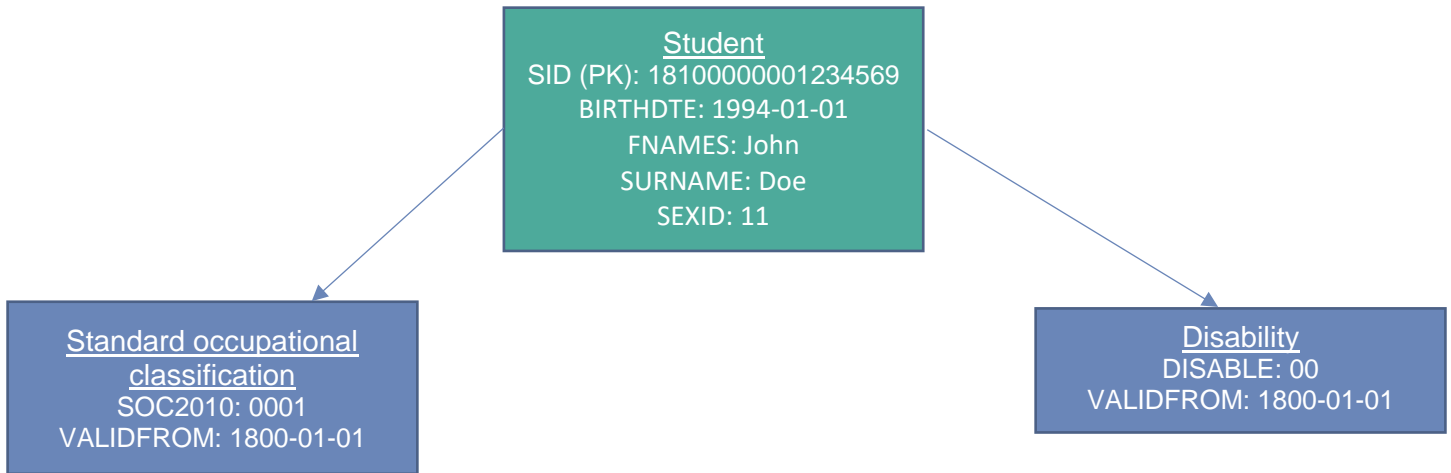
2. Return Person characteristics

The characteristics that are required to be returned depend upon the country of provider and the student's characteristics.

In this example the minimum required characteristics are:

England:	Northern Ireland	Scotland	Wales
- Disability	- Disability	- Dependent	- Care leaver
- Ethnicity	- Ethnicity	- Disability	- Carer
- Nationality	- Religion	- Ethnicity	- Disability
- Religion	- Standard occupational classification	- Nationality	- Ethnicity
- Standard occupational classification		- Religion	- Nationality
		- Standard occupational classification	- Religion
			- Standard occupational classification

Each Person characteristic has a separate entity. A couple of examples are shown below



Hints and tips:

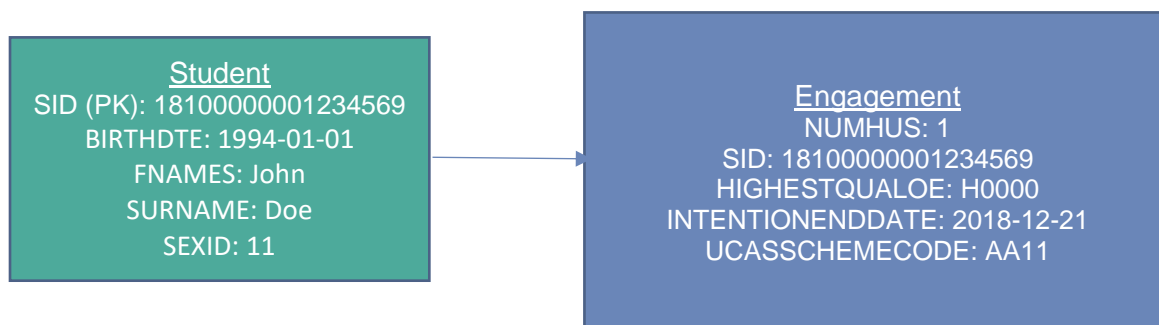
- The first time a characteristic is returned, the valid from date is not applicable and so the default date of 1800-01-01 is returned.
- When updating a person characteristic, it is important to return the old value again with a 'valid to' date and the new value with a 'valid from' date ensuring that the dates for the different codes do not overlap.
- When correcting a person characteristic, the original value must be deleted, and the revised value returned.
- Most characteristics can only have one current value, the exceptions are Disability and National identity both of which can have two current values.

Year 1 reference period 1

3. Return Engagement

Minimum data required:

- Engagement



Hints and tips:

- The Engagement records a student's coherent engagement with a provider with the aim of achieving a qualification or credits.
- The NUMHUS must be a unique identifier for the Engagement within a student. Two Engagements can have the same NUMHUS provided they are associated with a different Student.
- The combination of the SID and NUMHUS therefore uniquely identifies an individual Engagement.
- As the student's highest qualification on entry to the Engagement is at first degree level, more specific details regarding their entry qualifications are not required. The Entry qualification award and Entry Qualification subject entities are not required.

Year 1 reference period 1

4. Return Student registration

Minimum data required:

- Student registration



Hints and tips:

- The Student registration records the contract to educate between the student and provider
- The NUMREG must be a unique identifier for the Student registration within an Engagement. Two Student registrations can have the same NUMREG provided they are associated with a different Engagement
- The combination of SID, NUMHUS and NUMREG uniquely identifies a specific Student registration

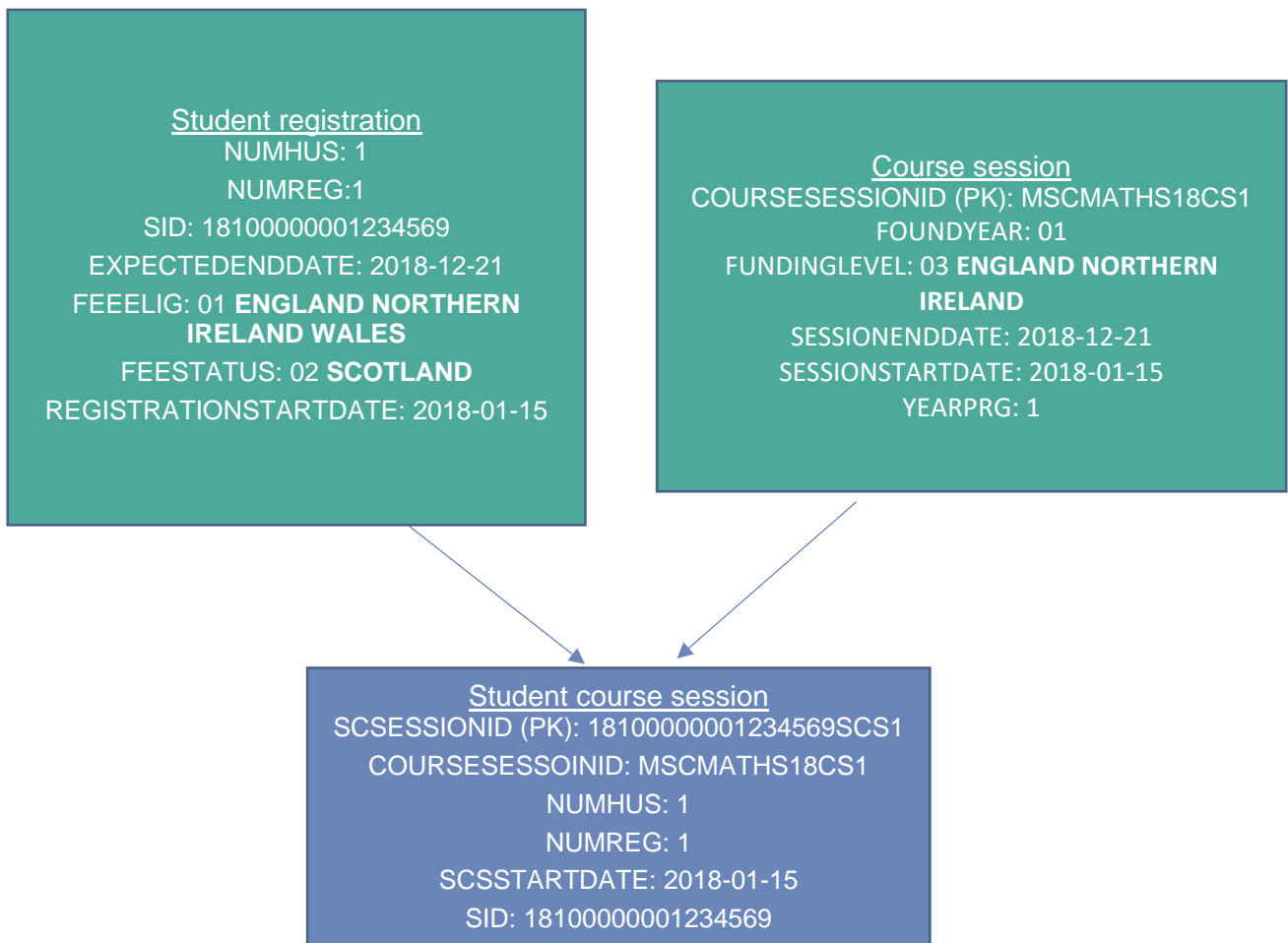
Year 1 reference period 1

Now that details of the Student's registration have been returned, they can be associated with the curriculum that has been returned in advance.

1. Return the Student course session

Minimum data required:

- Student course session



Hints and tips:

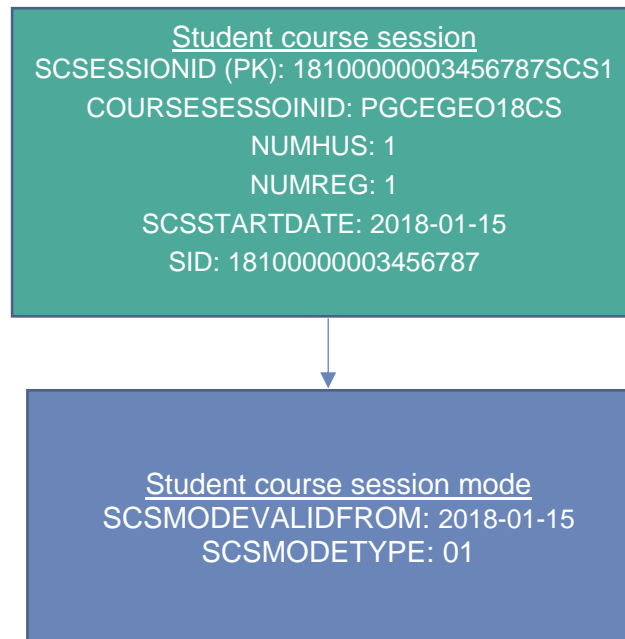
- The Student course session records a specific student's engagement with a Course session
- The SID, NUMHUS and NUMREG must be returned in order to identify the Student registration that the Student course session is associated with
- The COURSESESSIONID must be returned to identify the Course session that the Student course session is associated with
- The SCSESSIONID must be a unique identifier for the Student course session. Two Student course sessions must not have the same SCSESSIONID even if they are associated with a different Student registration and/or Course session
- As the student began studying on the Course session on the same day as the planned date (recorded in CourseSession.SESSIONSTARTDATE), a start date is not required on the Student course session.

Year 1 reference period 1

2. Return Student course session mode

Minimum data required:

- Student course session mode



Hints and tips:

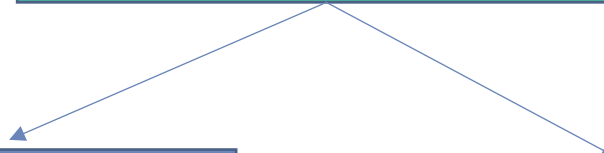
- Each Student course session must have a Student course session mode entity returned to confirm the student's mode.
- The entity has valid from the to dates to record when the mode is valid. For the mode that is valid at the start of the Student course session, the valid from date would align with the start of the Student course session.
- If the mode does not change, a valid to date does not need to be returned.

Year 1 reference period 1

3. Return Funding and monitoring information

Minimum data required
Funding and monitoring

Student course session
SCSESSIONID (PK): 18100000001234569SCS1
COURSESESSOINID: MSCMATHS18CS1
NUMHUS: 1
NUMREG: 1
SCSSTARTDATE: 2018-01-15
SID: 18100000001234569



Funding and monitoring
ELQ: 03 ENGLAND

Funding body
FUNDINGBODY: 0016 ENGLAND
FUNDINGBODY:0008 NORTHERN IRELAND
FUNDINGBODY: 0025 SCOTLAND
FUNDINGBODY: 0017 WALES

Hints and tips:

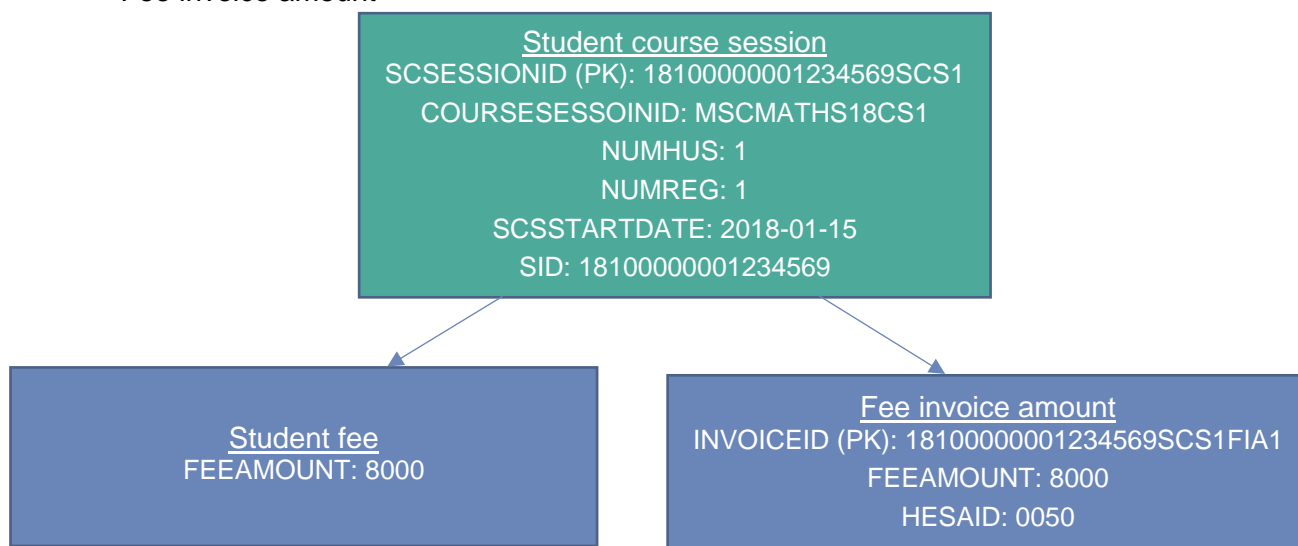
- The Funding and monitoring entity contains key information required by regulatory or funding bodies. This only needs to be returned where the student falls into the coverage of one or more of the fields and so for this Student course session a Funding and monitoring entity is not required for Northern Ireland, Scotland and Wales.
- The Funding body entity records the funding body for Student course sessions that are eligible to receive funding.

Year 1 reference period 1

4. Return fee information

Minimum data required:

- Student fee
- Fee invoice amount



Hints and tips:

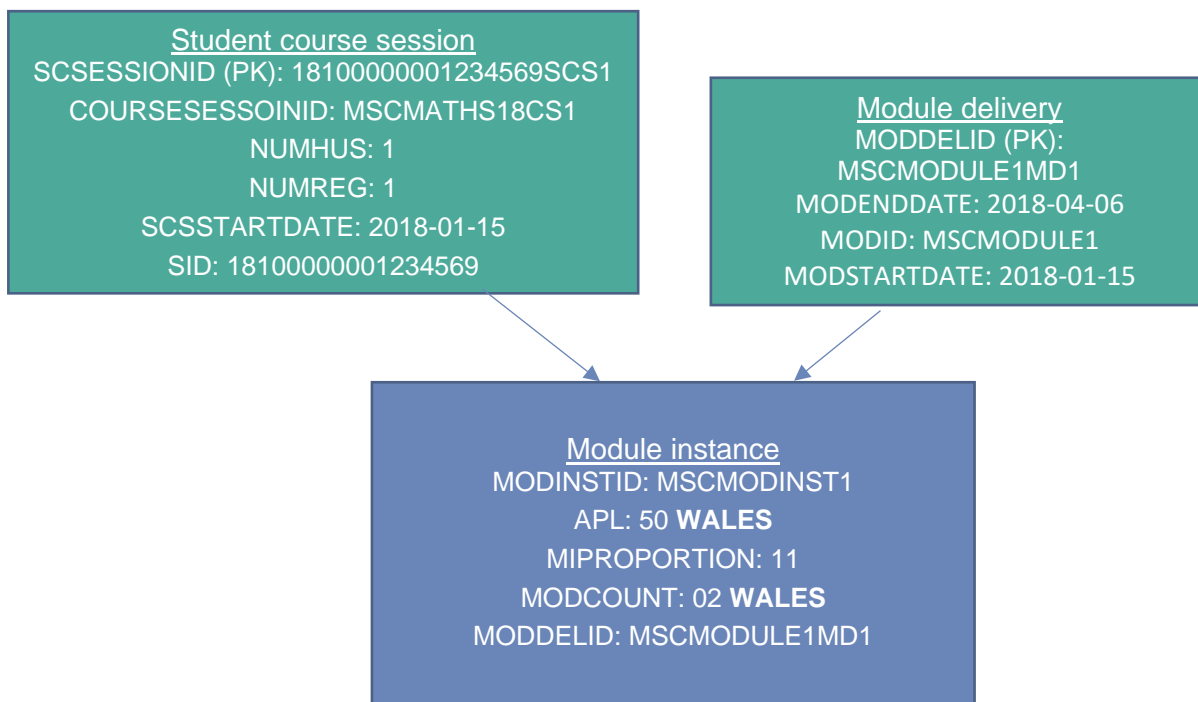
- The Student fee entity records the maximum fee the student could be charged for the Student course session.
- If the HEP charges fees on a modular basis, the Student module fee entity can be returned (instead of Student fee) to return the maximum fee for each module
- The Fee invoice amount records the amount that was invoiced for the Student course session. This may therefore be lower than the amount recorded in Student fee if the student receives any fee waivers for example.
- The HESAID records who the fee was invoiced to. Whilst the student is studying on a course that is eligible for postgraduate loans, postgraduate loans are awarded directly to the student and so may or may not be used to directly fund tuition fees. HESAID is therefore returned as 0050: Fees paid by student
- If the fee is charged to more than one organisation, the Fee invoice amount entity would be returned more than once. In this scenario, the full fee for the Student course session is charged to the Student and so only one Fee invoice amount entity is required.
- The INVOICEID is the unique identifier for the Fee invoice amount within the Student course session. Two Fee invoice amount entities may have the same INVOICEID provided they are associated with different Student course sessions.

Year 1 reference period 1

5. Assign the student to a module

Minimum data required:

- Module instance



Hints and tips:

- The Module instance records a student's engagement with a Module delivery
- The MODINSTID must be a unique identifier for a Module instance within the Student course session. Two Module instances may have the same MODINSTID provided they are associated with different Student course sessions
- The Module instance start date does not need to be returned where the student commences the module on the same day the Module delivery is planned to start (recorded in ModuleDelivery.MODSTARTDATE)
- This needs to be repeated for each Module delivery a student studies on during the Student course session so in this scenario, there would be three Module instances returned in reference period one. Each would be associated with a different Module delivery.

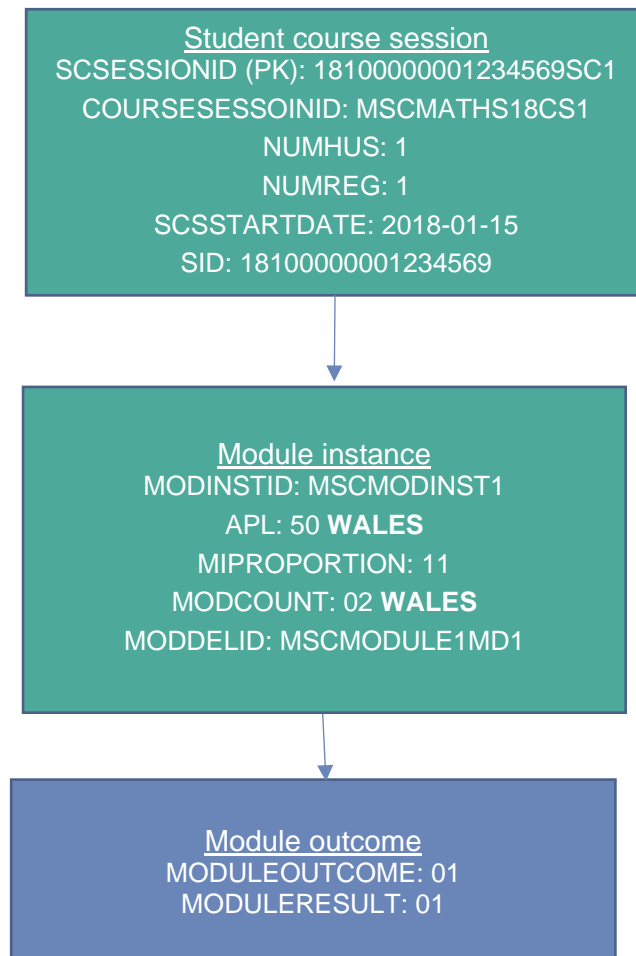
Year 1 reference period 2

In reference period two, the student completes modules one, two and three and starts and completes modules four, five and six. If data associated with the Student course session (fees and funding and monitoring) has not changed, this does not need to be returned again.

1. Return Module outcome for completed Module instances

Minimum data required:

- Module outcome



Hints and tips:

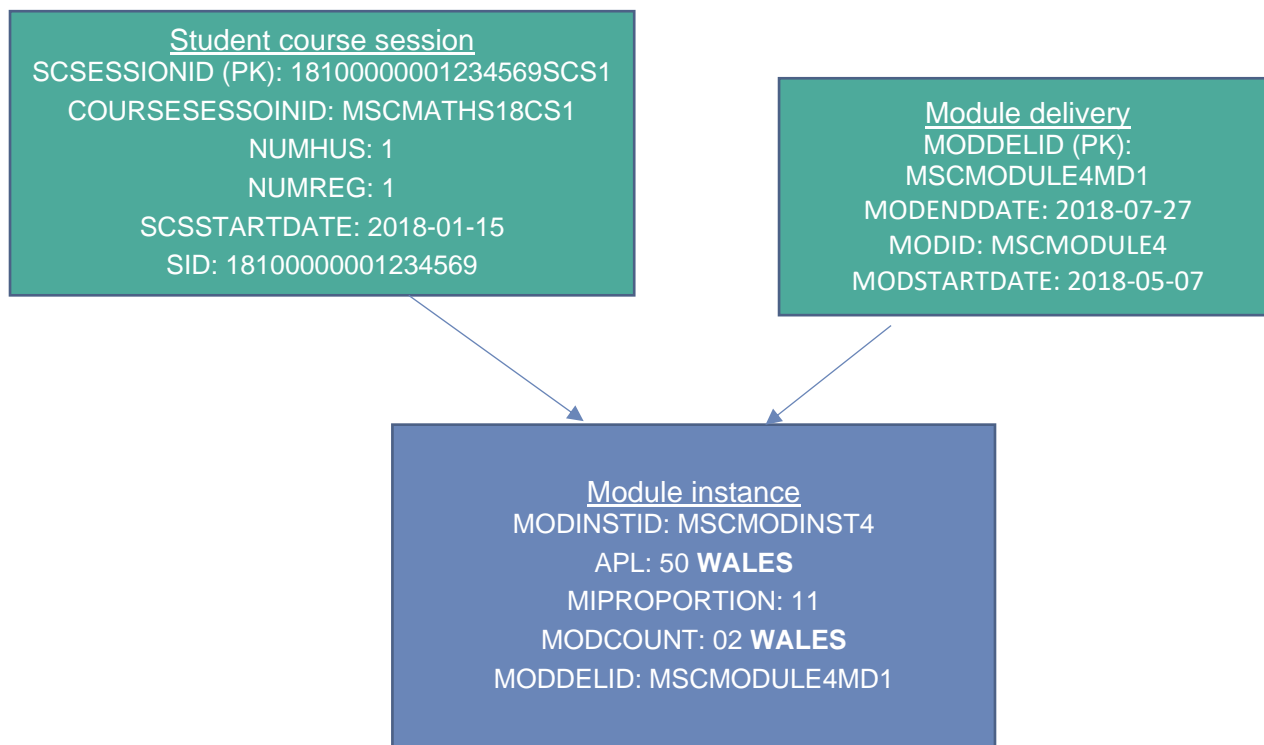
- The Module outcome end date does not need to be returned where the student completes the module on the same day the Module delivery is planned to end (recorded in ModuleDelivery.MODENDDATE)
- This needs to be repeated for each Module instance that has ended so in this scenario, there would be three Module outcomes returned in reference period one
- In this case the student has successfully completed the module and so details are returned to indicate that they have completed (MODULEOUTCOME=01) and passed (MODULERESULT=01) the modules.

Year 1 reference period 2

2. Assign the student to a module

Minimum data required:

- Module instance



Hints and tips:

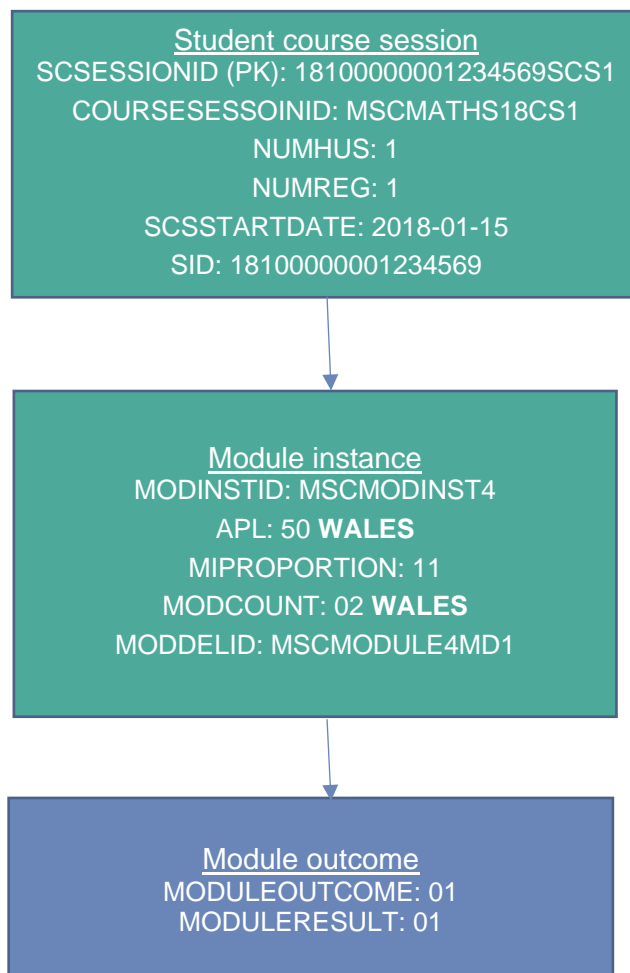
- The Module instance records a student's engagement with a Module delivery
- The MODINSTID must be a unique identifier for a Module instance within the Student course session. Two Module instances may have the same MODINSTID provided they are associated with different Student course sessions
- The Module instance start date does not need to be returned where the student commences the module on the same day the Module delivery is planned to start (recorded in ModuleDelivery.MODSTARTDATE)
- This needs to be repeated for each Module delivery a student studies on during the Student course session so in this scenario, there would be three Module instances returned in reference period two. Each would be associated with a different Module delivery.

Year 1 reference period 2

3. Return outcomes for completed Module instances

Minimum data required:

- Module outcome



Hints and tips:

- The Module outcome end date does not need to be returned where the student completes the module on the same day the Module delivery is planned to end (recorded in ModuleDelivery.MODENDDATE)
- This needs to be repeated for each Module instance that has ended so in this scenario, there would be three additional Module outcomes returned in reference period two
- In this case the student has successfully completed the modules and so details are returned to indicate that they have completed (MODULEOUTCOME=01) and passed (MODULERESULT=01) the modules.

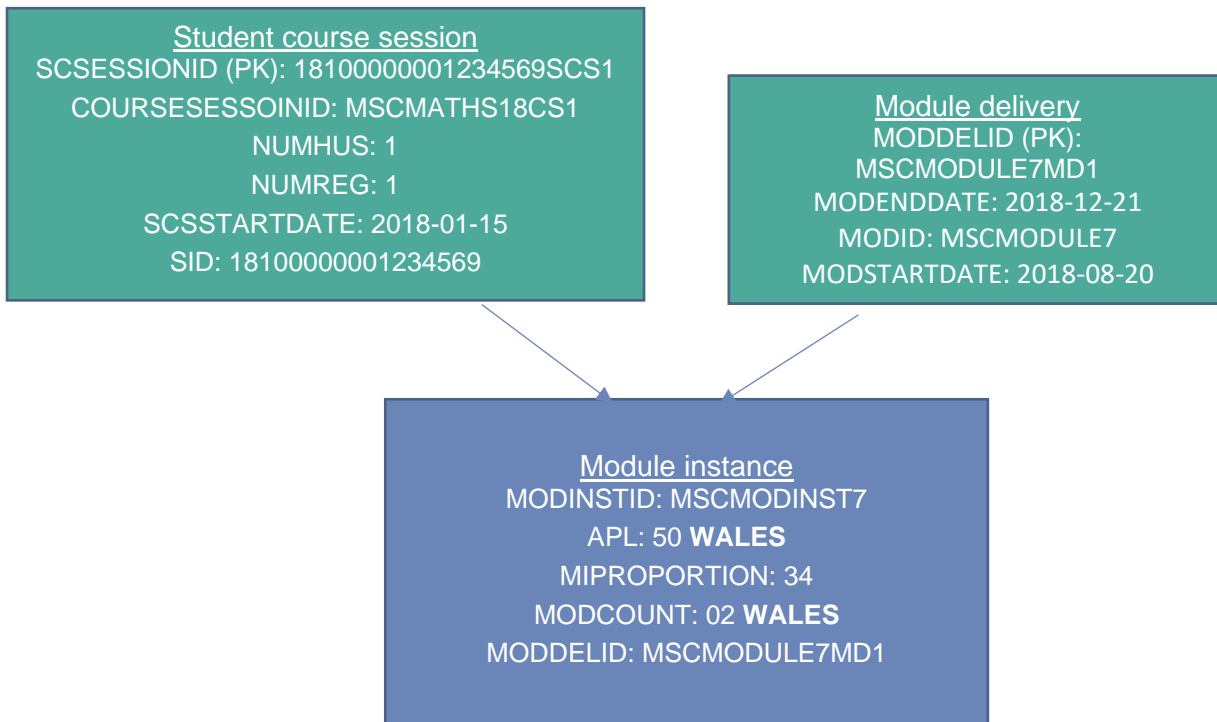
Year 1 reference period 3

In reference period three, the student begins studying module seven (the dissertation module).

1. Assign the student to a module

Minimum data required:

- Module instance



Hints and tips:

- The Module instance records a student's engagement with a Module delivery
- The MODINSTID must be a unique identifier for a Module instance within the Student course session. Two Module instances may have the same MODINSTID provided they are associated with different Student course sessions
- The Module instance start date does not need to be returned where the student commences the module on the same day the Module delivery is planned to start (recorded in ModuleDelivery.MODSTARTDATE)
- This needs to be repeated for each Module delivery a student studies on during the Student course session so in this scenario, there would be one Module instance returned in reference period three.
- The MIPROPORTION field records the proportion of the total FTE for the Student course session that is attributable to this Module instance. This Module instance therefore has a higher MIPROPORTION than those previously returned as the associated Module has a greater FTE.

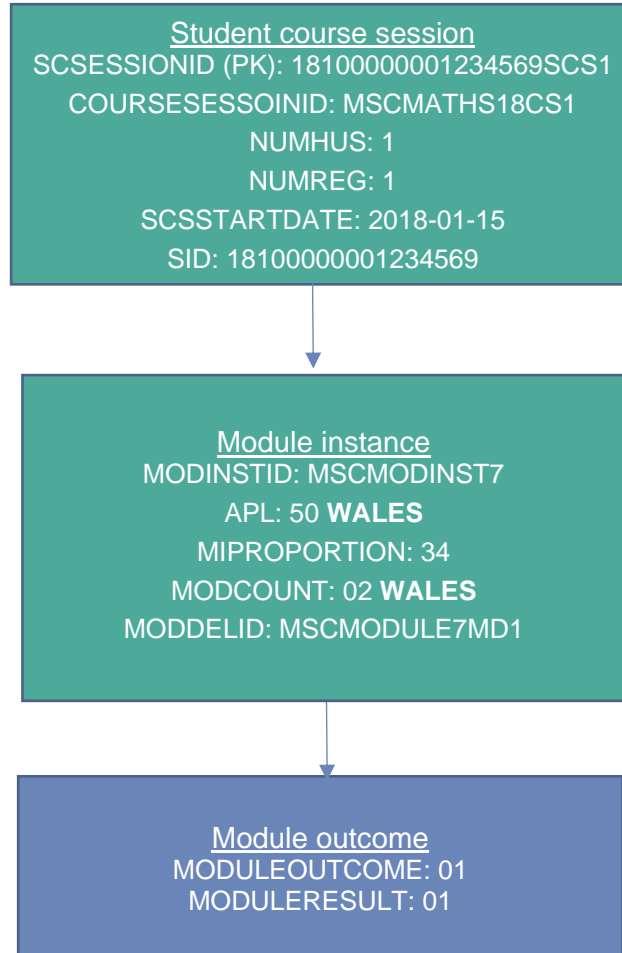
Year 2 reference period 1

In year two reference period one the student completes module seven and the Student registration ends. The student successfully achieves their qualification aim.

1. Return outcomes for completed Module instances

Minimum data required:

- Module outcome



Hints and tips:

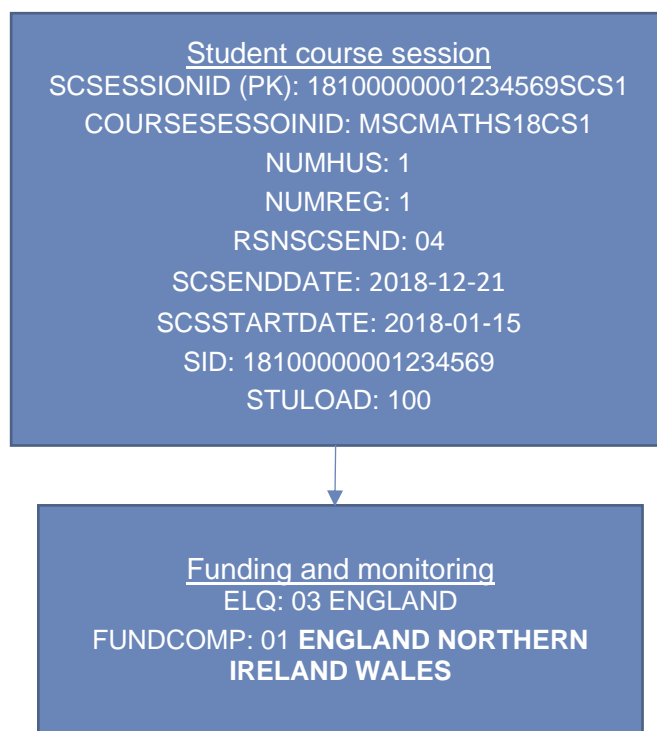
- The Module outcome end date does not need to be returned where the student completes the module on the same day the Module delivery is planned to end (recorded in ModuleDelivery.MODENDDATE)
- This needs to be repeated for each Module instance that has ended so in this scenario, there would be one Module outcome returned in year two reference period one
- In this case the student has successfully completed the modules and so details are returned to indicate that they have completed (MODULEOUTCOME=01) and passed (MODULERESULT=01) the modules.

Year 2 reference period 1

2. Close the Student course session

Minimum data required:

- Student course session
- Funding and monitoring (Providers in England, Northern Ireland, and Wales)



Hints and tips:

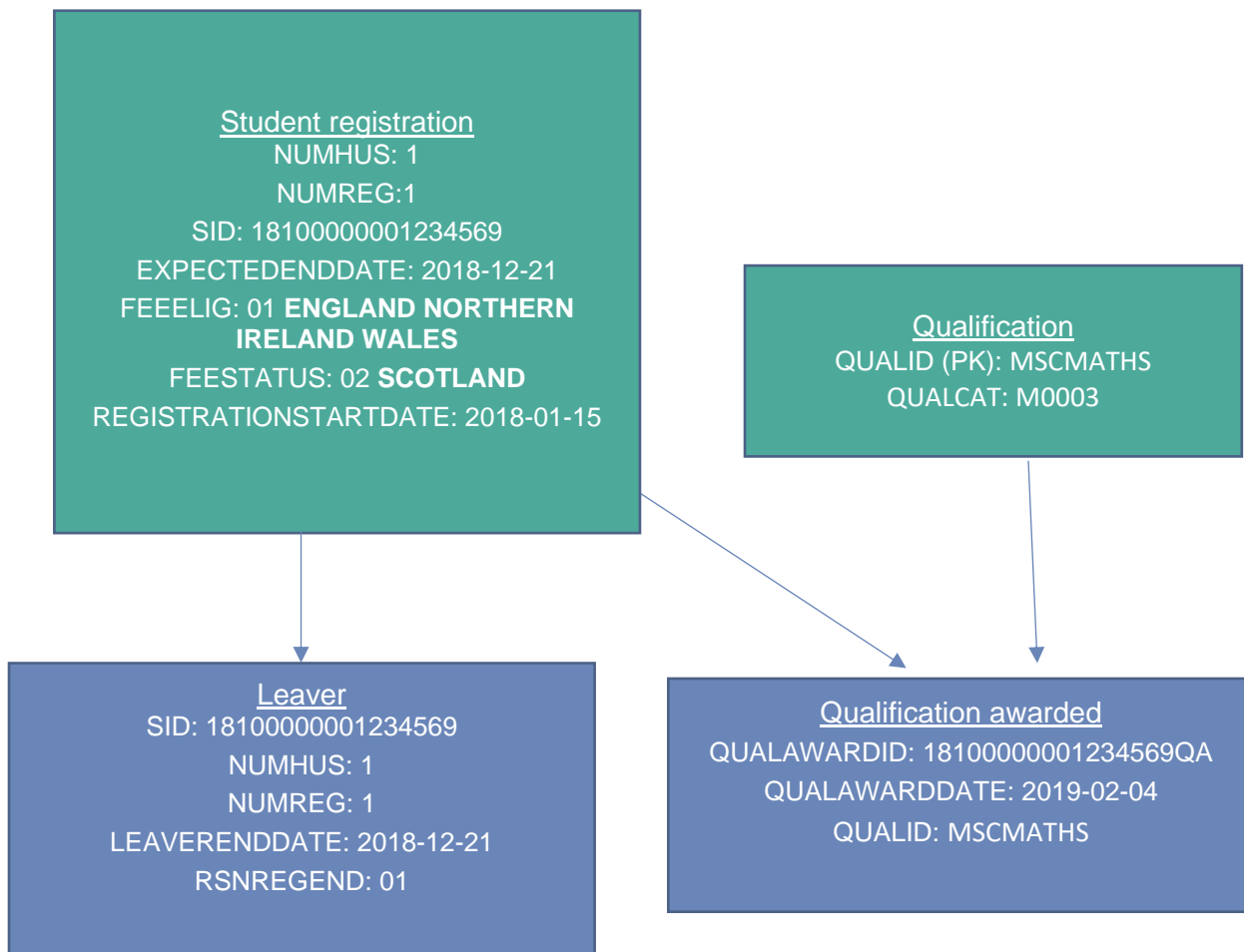
- Once the Student course session has ended, the STULOAD is returned with the total FTE completed by the student during the Student course session
- Once the Student course session has ended, the reason for session end is returned. 04 'Ended' is used where the Student completed the Course session, regardless of whether the student successfully completed this Student course session.
- Providers in England, Northern Ireland and Wales will return the funding and monitoring entity with FUNDCOMP to show that the student has completed the year of programme of study.
- If no other data has changed on the Funding and monitoring entity, this is all that needs to be returned and providers in Scotland would not need to return the entity.

Year 2 reference period 1

4. Return Leaver information

Minimum data required:

- Leaver
- Qualification awarded



Hints and tips:

- The RSNREGENG records that the student has left and has been awarded a qualification
- The QUALAWARDID must be a unique identifier for the Qualification awarded within the Student registration. Two Qualification awarded entities may have the same QUALAWARDID provided they are associated with different Student registrations.
- The QUALID must be returned with the unique identifier for the qualification achieved by the student
- The QUALRESULT field is not required as the qualification awarded is a master's degree
- Leaving information is associated with the relevant Student registration. The registration is the formal contact to educate and so any awards or leaving information related to a Course delivery, relate to the Student registration rather than the Engagement.