

DATA FUTURES ALPHA PILOT SCENARIOS

STUDENT: FULL-TIME 3-YEAR UNDERGRADUATE DEGREE WITH HONOURS

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:

- New to HE
- Not an apprentice
- Not incoming/exchange
- No financial support
- Not disabled
- No changes to person characteristics during the lifetime of the course
- Fees of £9,000 per annum
- No student initiatives apply
- A-levels are 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 with no delay
- No off-venue activity

Activity in each reference period

Year 1, reference period 1 (page 4)
Student registers
Student enrolls and begins studying module 1-3

Year 1, reference period 2 (page 14)
Student completed modules 1-3 and starts modules 4-6

Year 1, reference period 3 (page 16)
Student completes modules 4-6
Student completes first Student course session

Year 2, reference period 1 (page 18)
Student enrolls in second year and begins studying modules 7-9

Year 2, reference period 2 (page 23)
Student completes modules 7-9 and starts modules 10-12

Year 2, reference period 3 (page 25)
Student completes modules 10-12
Student completes second Student course session

Year 3, reference period 1 (page 27)
Student enrolls in third year and begins studying modules 13-15

Year 3, reference period 2 (page 32)
Student completes modules 13-15 and starts modules 16-18

Year 3, reference period 3 (page 34)
Student completes modules 16-18
Student completes third Student course session
Student achieves qualification



Key stages

Return Student (incl. Person identifiers and Person address)	4
Return Personal characteristics	5
Return Entry qualifications	6
Return Engagement	7
Return Student registration	8
Create Student course session	9, 18, 27
Return Student course session mode	10, 19, 28
Return Funding and monitoring	12, 21, 30
Assign the Student to a Module	13, 15, 22, 24, 31, 33
Return fee information	11, 20, 29
Return Module outcomes for completed Module instances	14, 16, 23, 25, 32, 34
Close Student course session	17, 26, 35
Return Leaver information	36
Return Qualification awarded	36

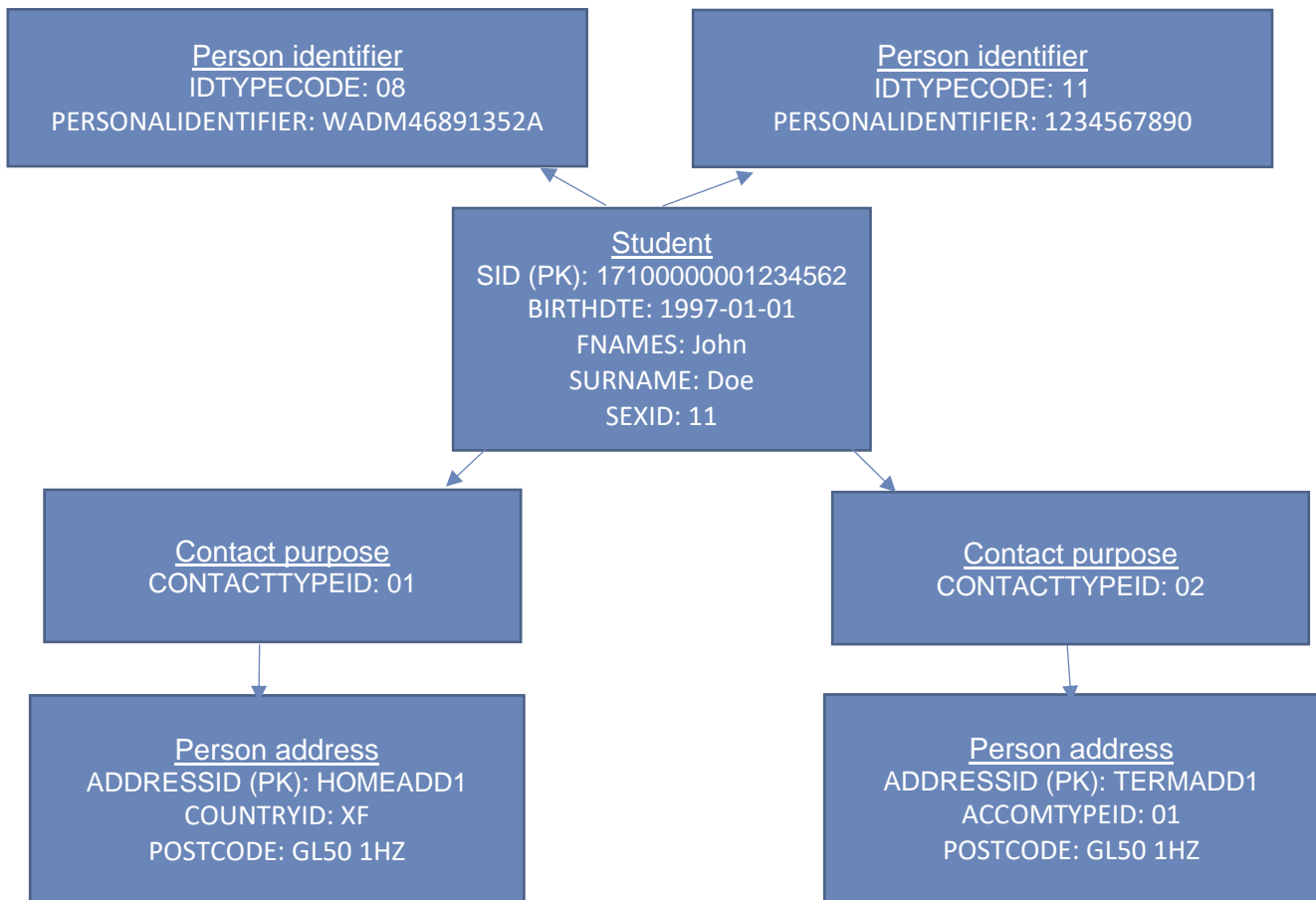
Year 1 reference period 1

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 could have the same ADDRESSID provided they are not associated with the same Contact purpose.
- 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 for studying abroad for the full Course session.

Year 1 reference period 1

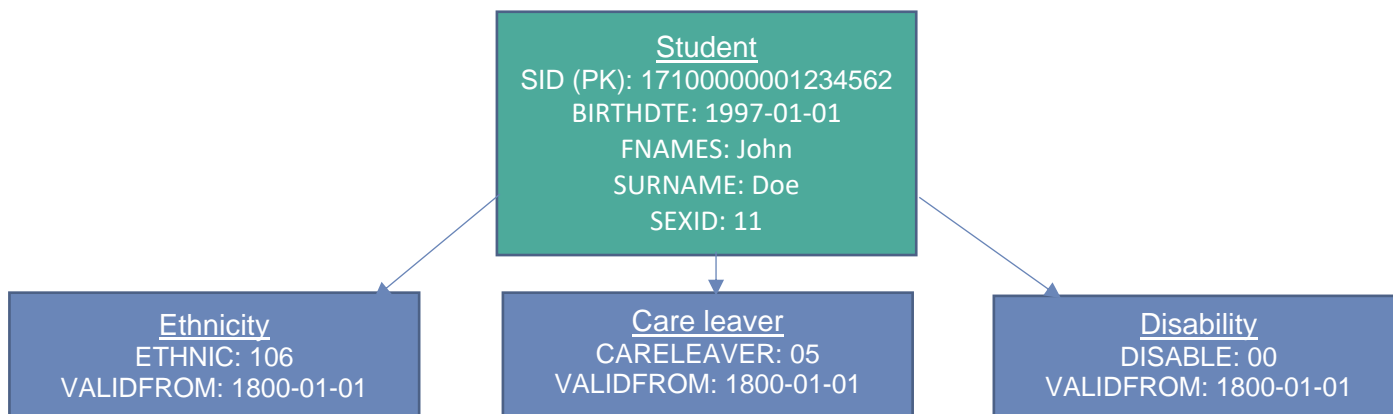
2. Return Person characteristics

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
- Care leaver	- Care leaver	- Care leaver	- Care leaver
- Disability	- Disability	- Dependent	- Carer
- Ethnicity	- Ethnicity	- Disability	- Disability
- Nationality	- Parental education	- Ethnicity	- Ethnicity
- Parental education	- Religion	- Nationality	- Nationality
- Religion	- Socio-economic classification	- Parental education	- Parental education
- Socio-economic classification	- Standard occupational classification	- Religion	- Religion
- Standard occupational classification		- Socio-economic classification	- Socio-economic classification
		- Standard occupational classification	- Standard occupational classification

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



Hints and tips:

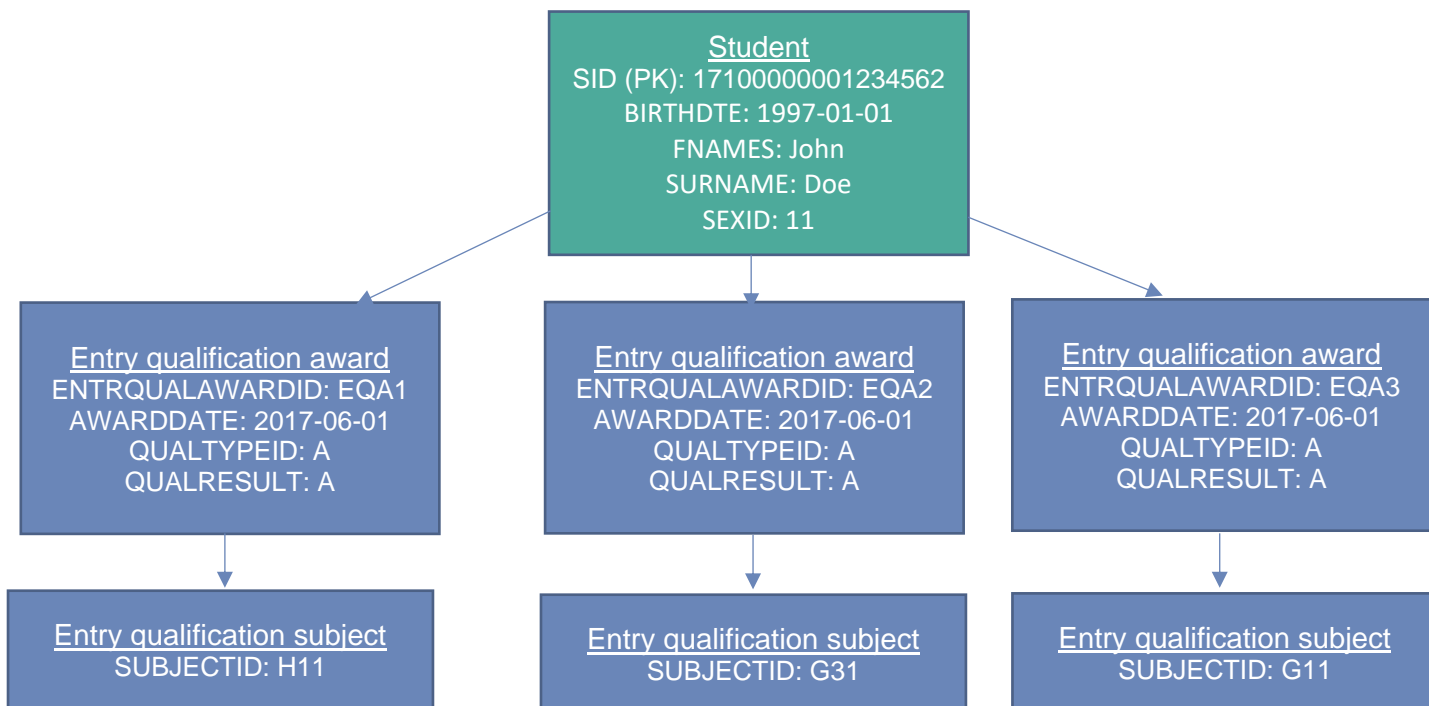
- The first time a characteristic is returned, the valid from date is not applicable and so the default date of 1800-01-01 is returned.
- When updating a person characteristic, it is important to return the old value again with a 'valid to' date and the new value with a 'valid from' date ensuring that 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 Entry qualifications

Minimum data required:

- Entry qualification award
- Entry qualification subject



Hints and tips:

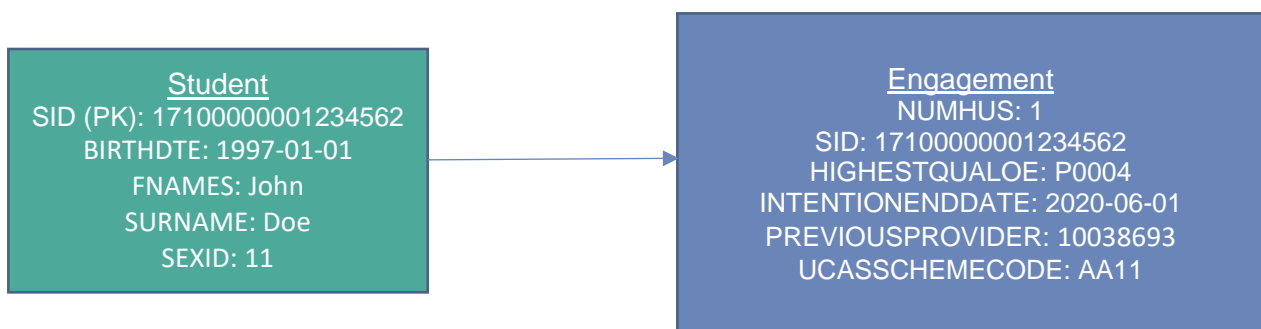
- If the student's highest qualification on entry is level 3, then an Entry qualification award entity is required for each UK, level 3, tariff bearing qualification that they hold on entry
- The ENTRYQUALAWARDID must be a unique identifier for the Entry qualification award within the Student. More than one Entry qualification award may have the same ENTRQUALAWARDID provided they are associated with a different Student
- The valid entries for QUALTYPEID, RESULT and SUBJECTID will be provided by UCAS and will align with the *J file.

Year 1 reference period 1

4. Return Engagement

Minimum data required:

- Engagement



Hints and tips:

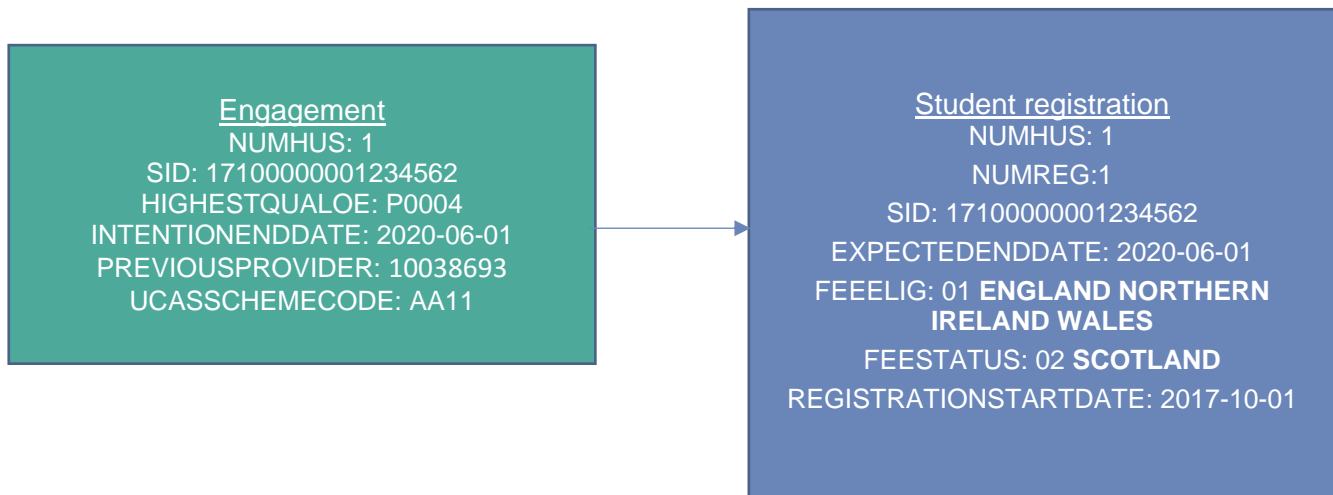
- The Engagement records a student's coherent engagement with a provider with the aim of achieving a qualification or credits
- The NUMHUS must be a unique identifier for the Engagement within a student. Two Engagements can have the same NUMHUS provided they are associated with a different Student
- The combination of the SID and NUMHUS therefore uniquely identifies an individual Engagement

Year 1 reference period 1

5. 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

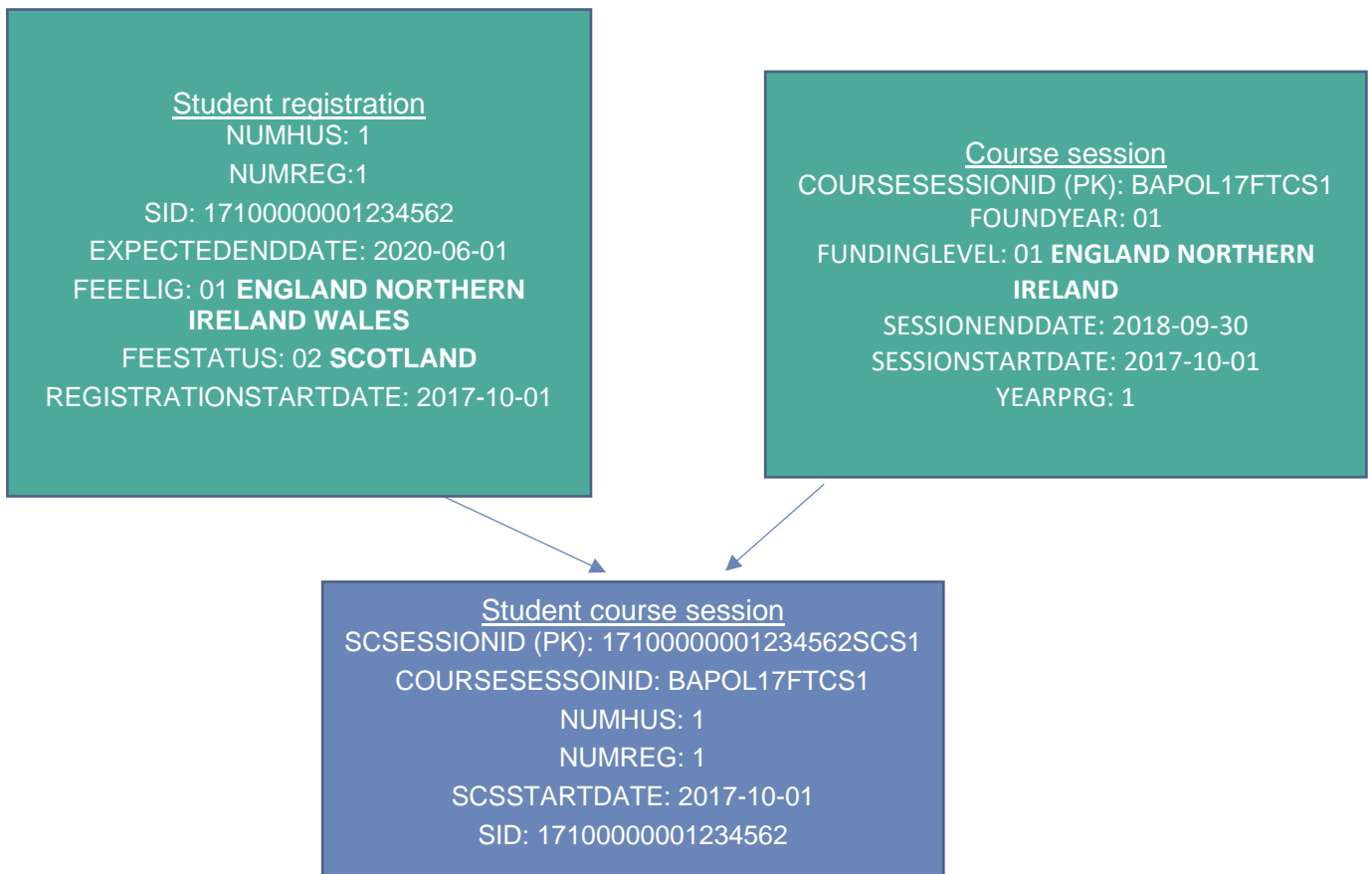
Year 1 reference period 1

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

Year 1 reference period 1

2. Return Student course session mode

Minimum data required:

- Student course session mode

Student course session
SCSESSIONID: 17100000001234562SCS1
COURSESESSOINID: BAPOL17FTCS1
NUMHUS: 1
NUMREG: 1
SCSSTARTDATE: 2017-10-01
SID: 17100000001234562



Student course session mode
SCSMODEVALIDFROM: 2017-10-01
SCSMODETYPE: 01

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.

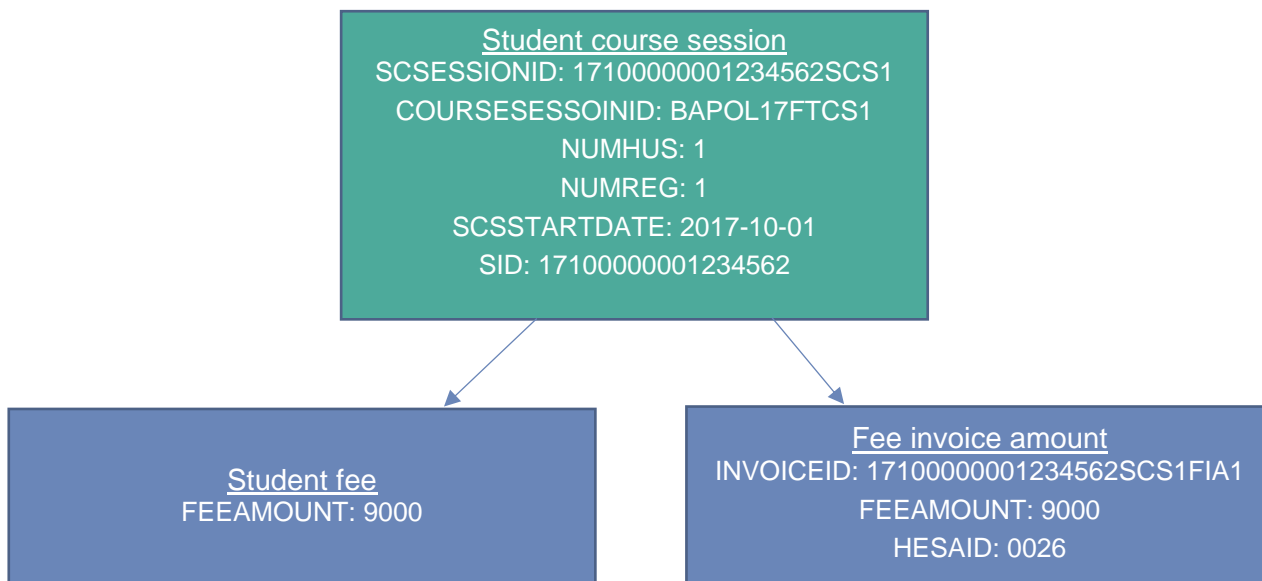


Year 1 reference period 1

3. Return fee information

Minimum data required:

- Student fee
- Fee invoice amount



Hints and tips:

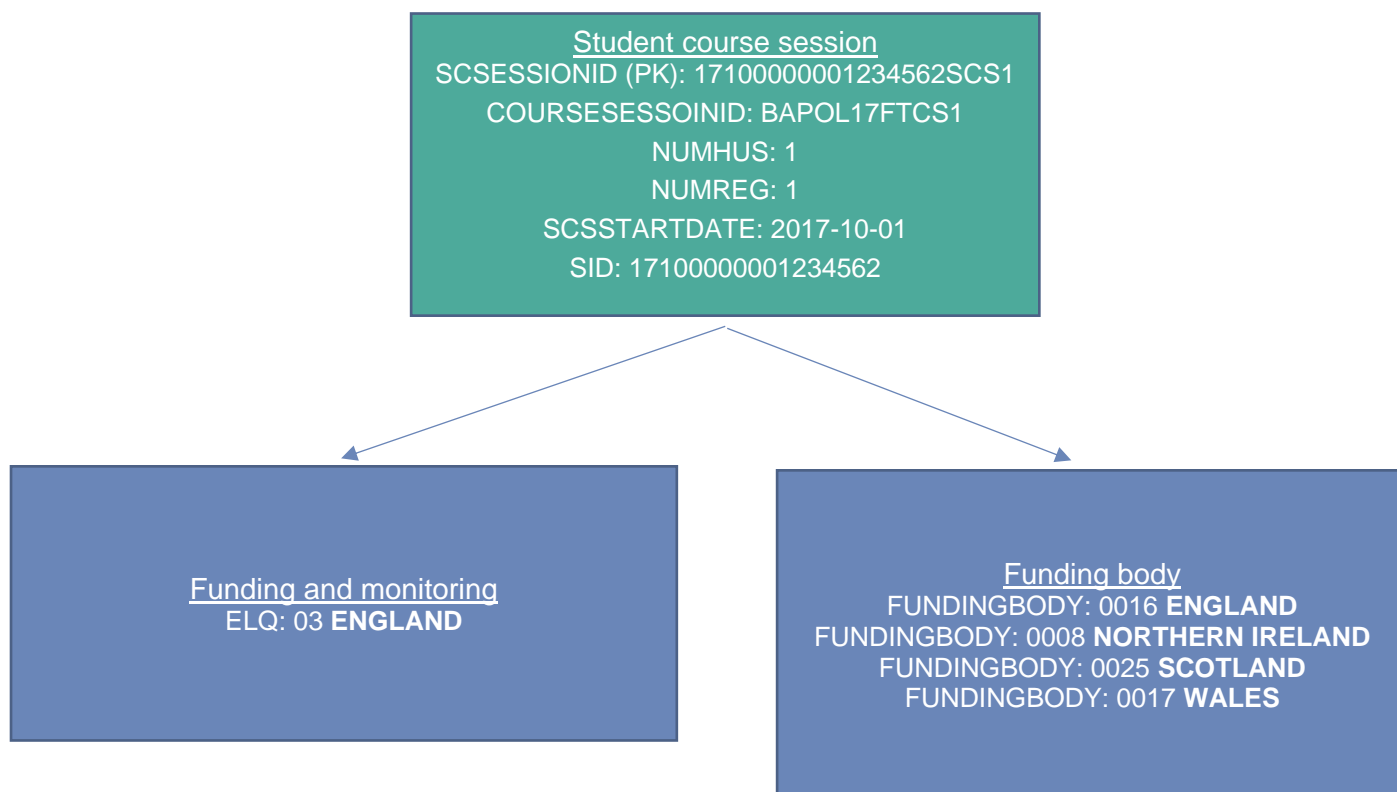
- The Student fee entity records the maximum fee the student could be charged for the Student course session
- If the HEP charges fees on a modular basis, the Student module fee entity can be returned (instead of Student fee) to return the maximum fee for each module
- The Fee invoice amount records 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, in this case this is the Student loans company. 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 loans company 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

4. Return Funding and monitoring information

Minimum data required:

- Funding and monitoring
- Funding body



Hints and tips:

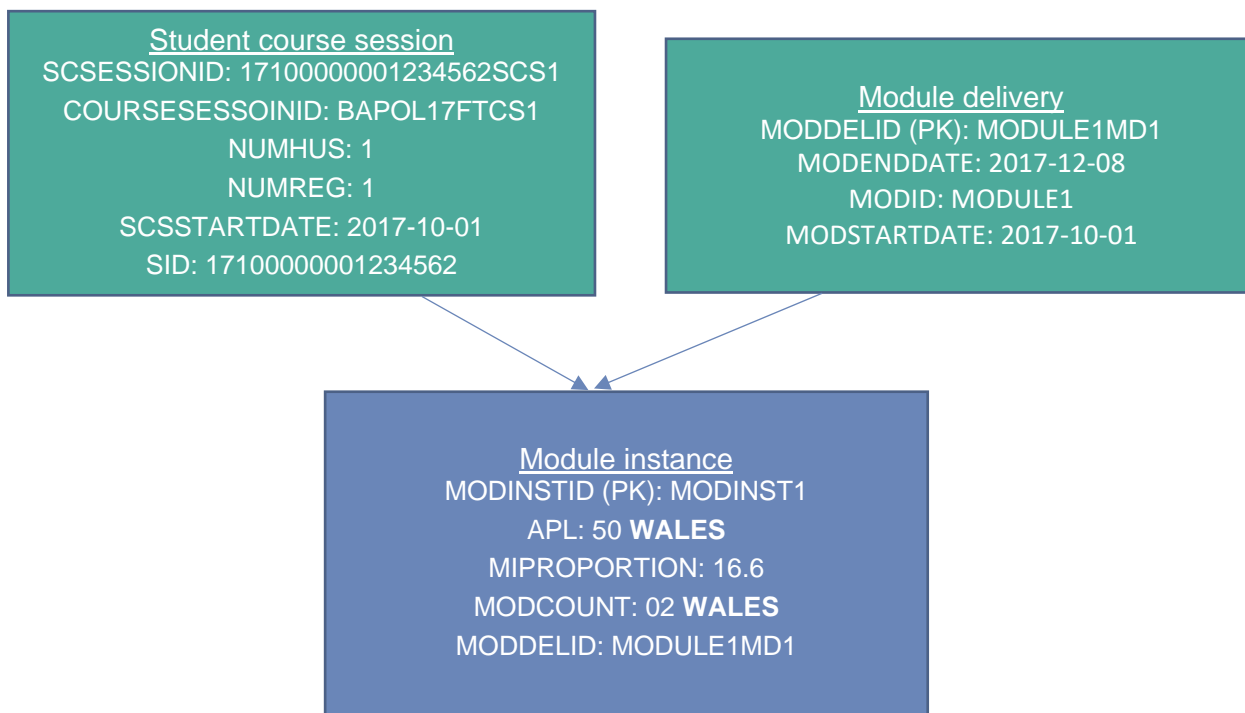
- The Funding and monitoring entity contains key information required by regulatory or funding bodies. This only needs to be returned where the student falls into the coverage of one or more of the fields and so for this Student course session a Funding and monitoring entity is not required for Northern 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

5. Assign a 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

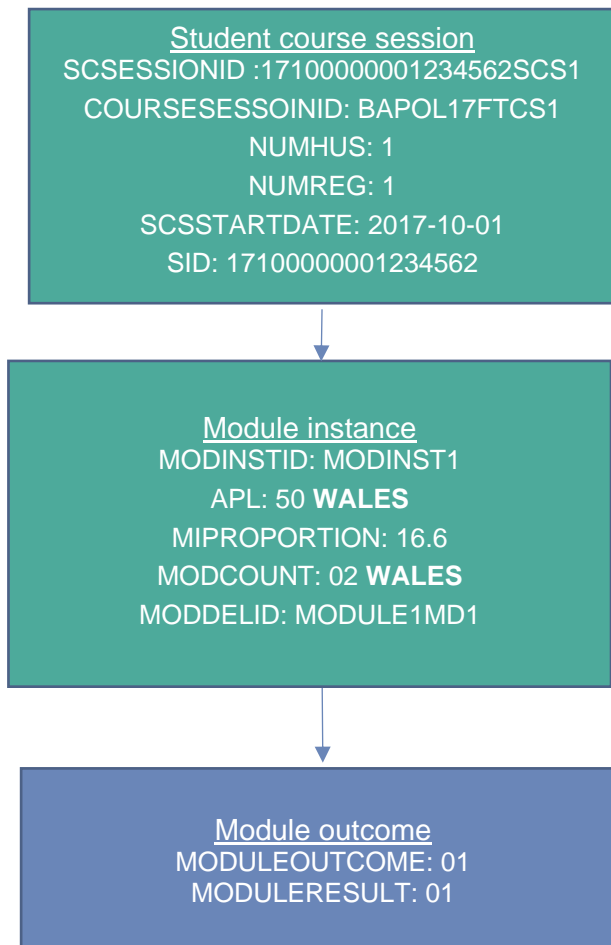
In reference period 2 the student completes Modules one, two and three, these must therefore be given a Module outcome.

The student then begins studying on Modules four, five and six.

1. Return Module outcome for completed Modules instances

Minimum data required:

- Module outcome



Hints and tips:

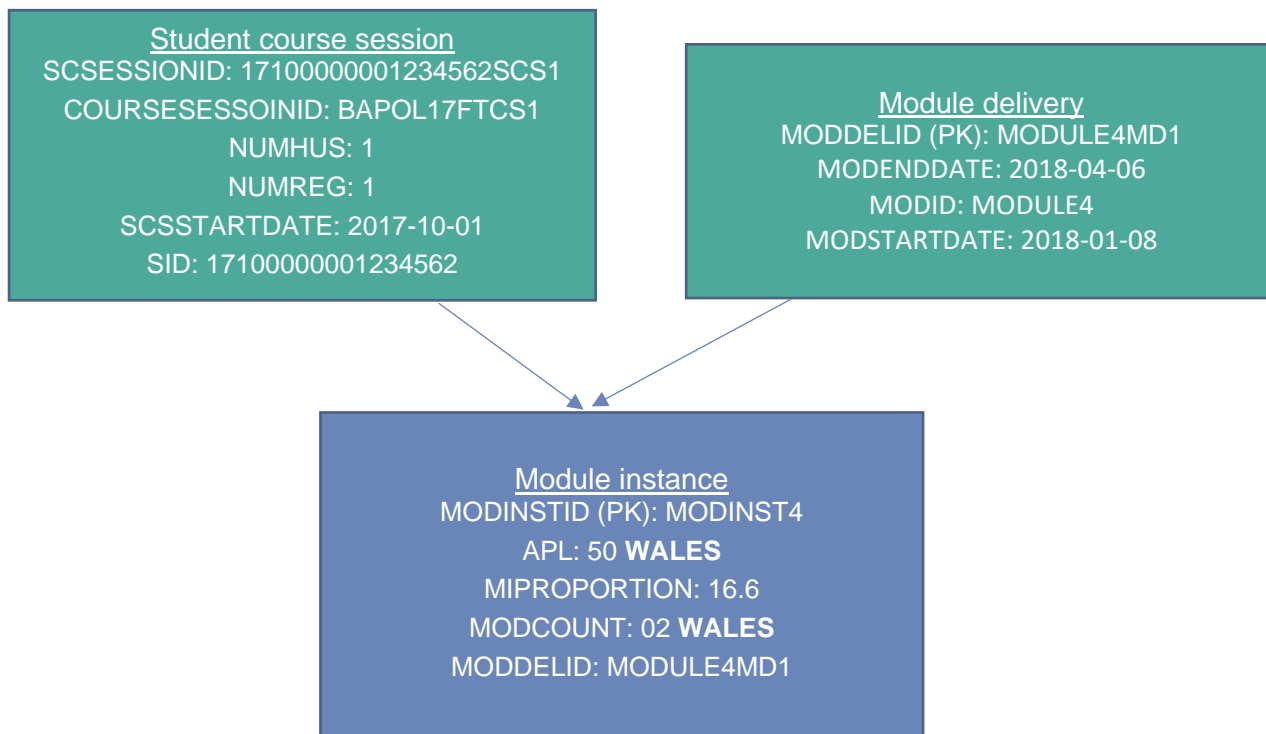
- The Module outcome end date does not need to be returned where the student completes the module on the same day the Module delivery is planned to end (recorded in ModuleDelivery.MODENDDATE).
- This needs to be repeated for each Module instance that has completed so in this scenario, there would be three Module outcomes returned in reference period two.

Year 1 reference period 2

2. Assign student to Modules

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.
- If there have been no changes to the data associated with the Student course session (fee information, Funding, and monitoring), these do not need to be returned again.

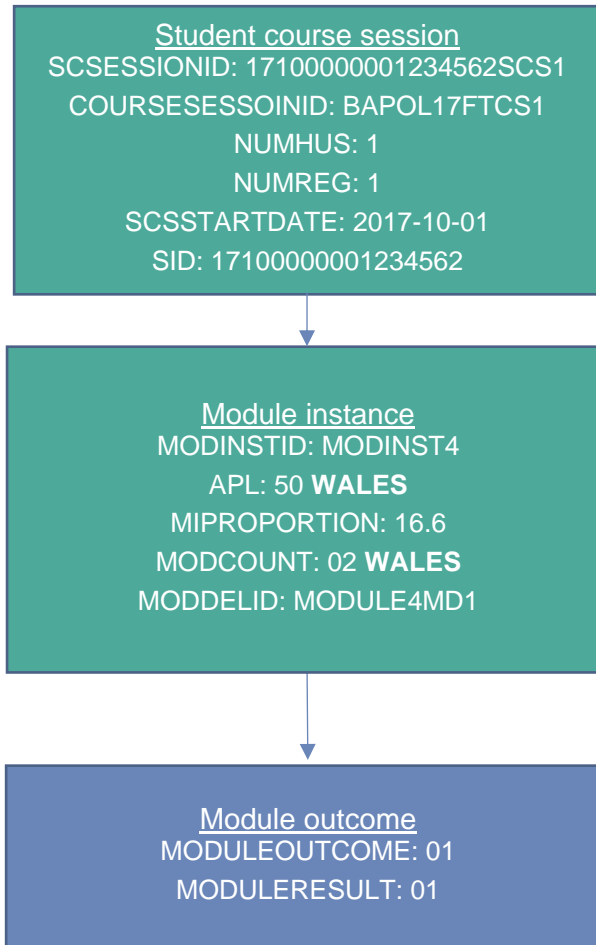
Year 1 reference period 3

In reference period 3 the student completes Modules four, five and six and the Student course session.

1. Return Module outcome for completed Module instances

Minimum data required:

- Module outcome



Hints and tips:

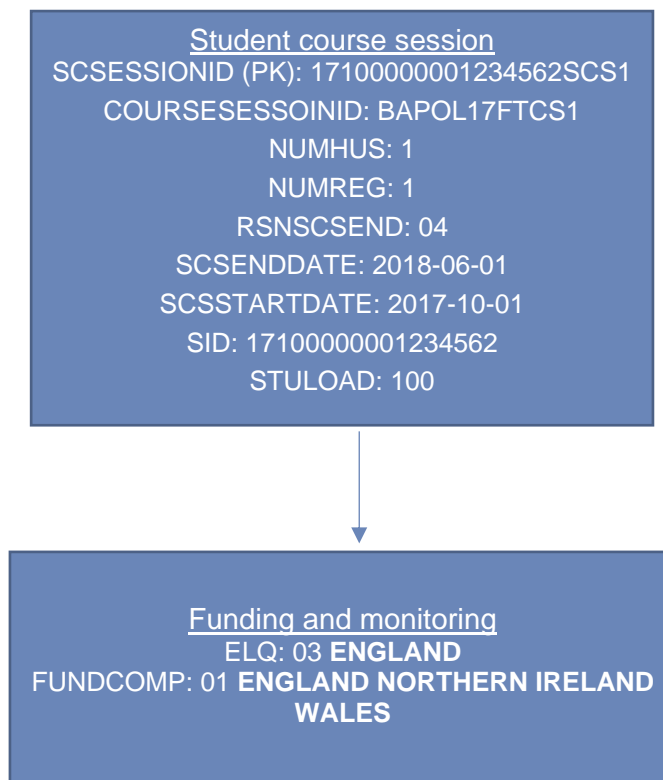
- The Module outcome end date does not need to be returned where the student completes the module on the same day the Module delivery is planned to end (recorded in ModuleDelivery.MODENDDATE).
- This needs to be repeated for each Module instance that has completed so in this scenario, there would be three Module outcomes returned in reference period 3.

Year 1 reference period 3

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 returned to show that the student has completed the year of programme of study.

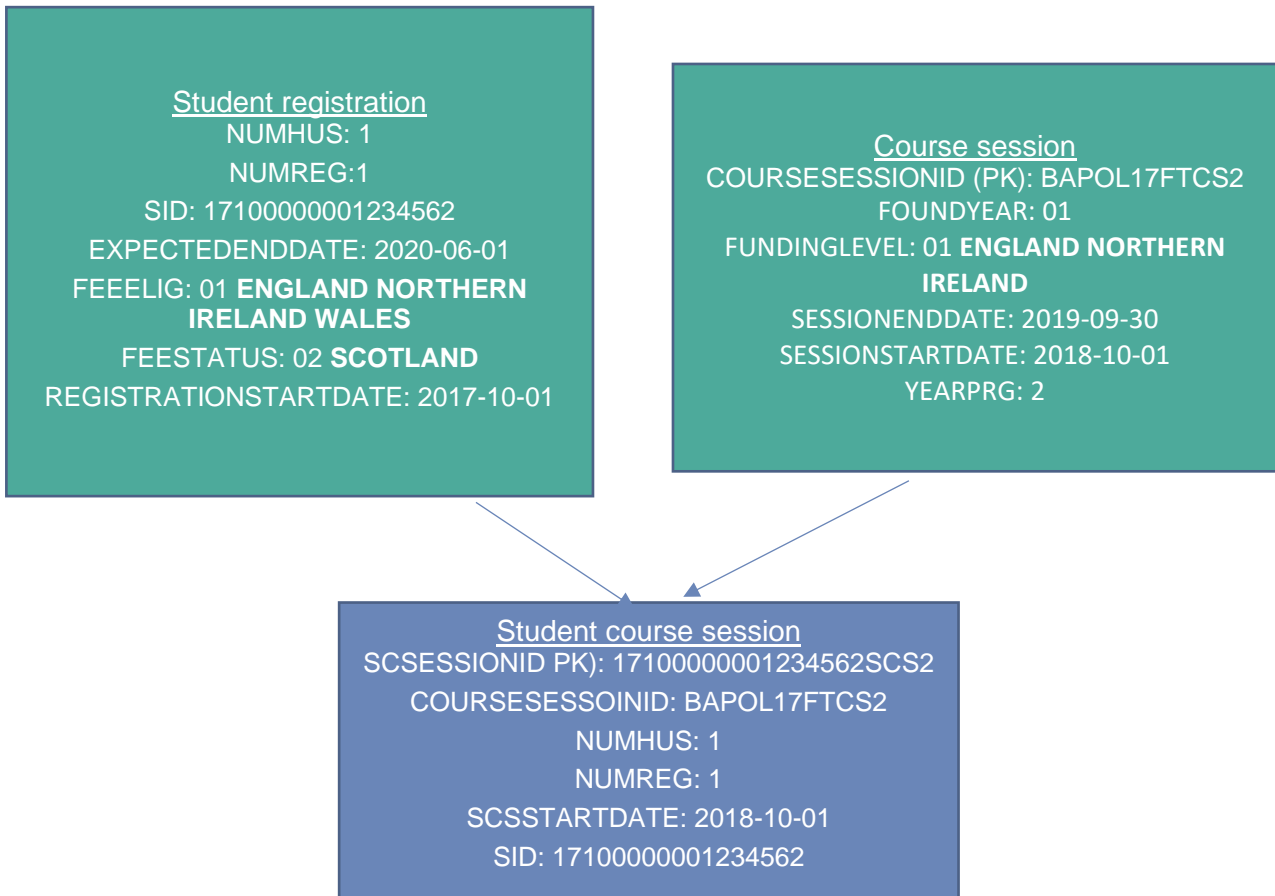
Year 2 reference period 1

In reference period one of year two, the student commences studying on the second Course session of the delivery and begins Modules seven, eight and nine.

1. Return the Student course session

Minimum data required:

- Student course session



Hints and tips:

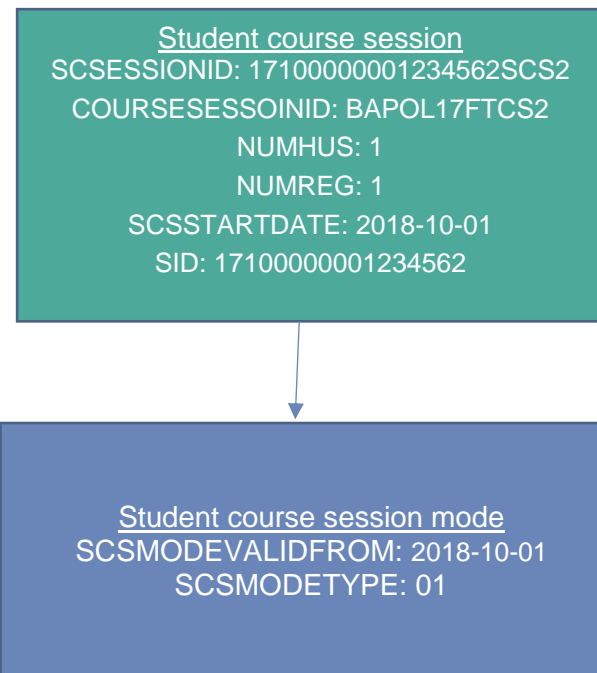
- The new Student course session has a different SCSESSIONID as these must be unique within a provider.
- This is associated with the same Student registration and so the NUMHUS, NUMREG and SID returned are the same as the previous Student course session
- This is associated with the second Course session of the Course delivery and so there is a different COURSESESSIONID to the previous Student course session
- If none of the student's information has changed (e.g. Personal characteristics or term time address), the student data does not need to be returned again.

Year 2 reference period 1

2. Return Student course session mode

Minimum data required:

- Student course session mode



Hints and tips:

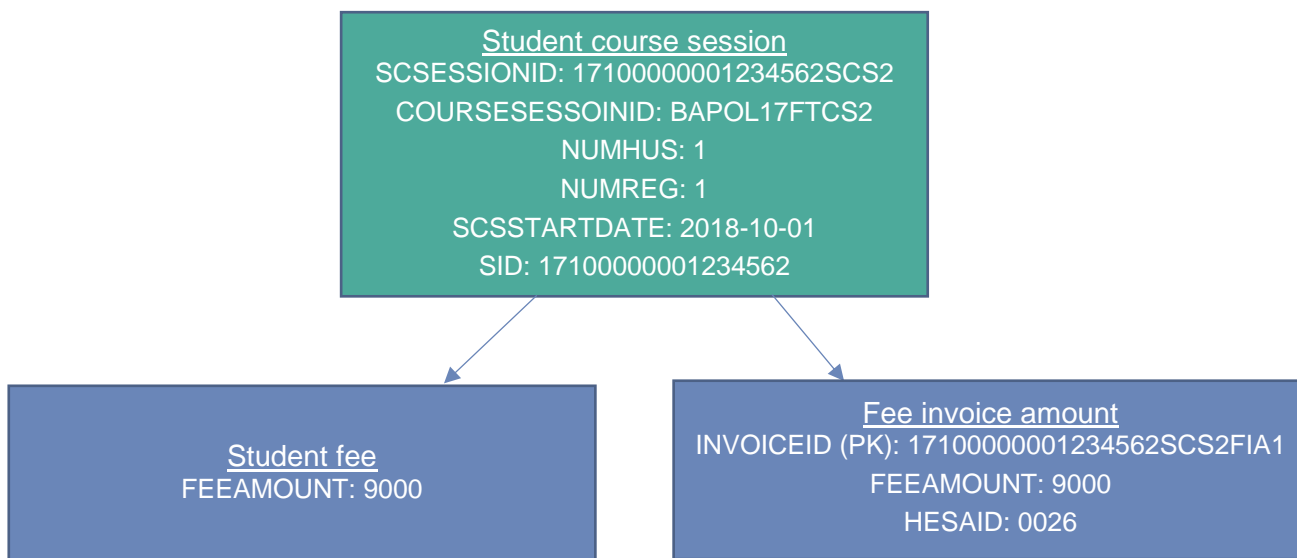
- Each Student course session must have a Student course session mode entity returned to confirm the student's mode.
- The entity has valid from the to dates to record when the mode is valid. For the mode that is valid at the start of the Student course session, the valid from date would align with the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

Year 2 reference period 1

3. Return fee information

Minimum data required:

- Student fee
- Fee invoice amount



Hints and tips:

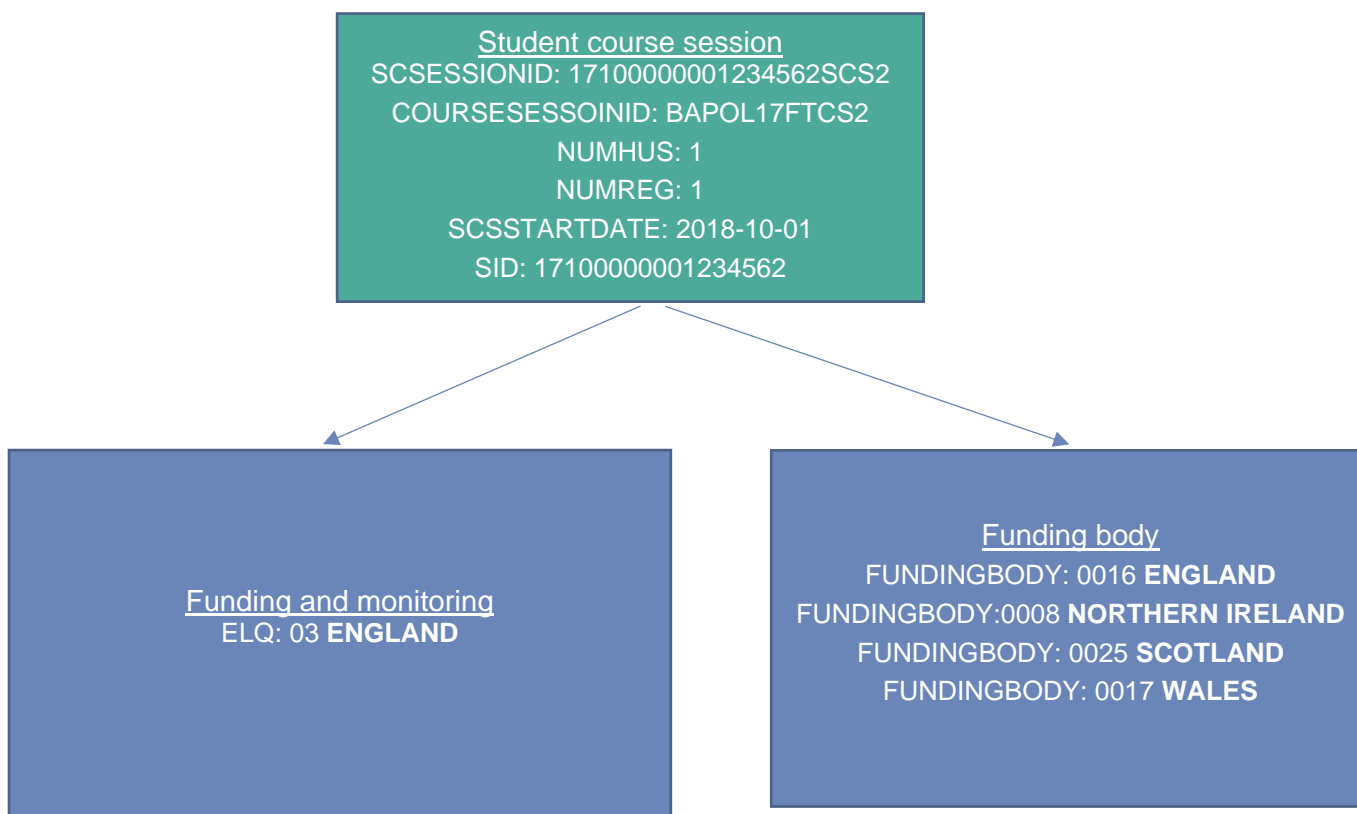
- The Student fee entity records the maximum fee the student could be charged for the Student course session
- If the HEP charges fees on a modular basis, the Student module fee entity can be returned (instead of Student fee) to return the maximum fee for each module
- The Fee invoice amount records 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, in this case this is the Student loans company. If the fee is charged to more than one organisation and/or individual, 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 loans company 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 2 reference period 1

4. Return Funding and monitoring information

Minimum data required:

- Funding and monitoring
- Funding body



Hints and tips:

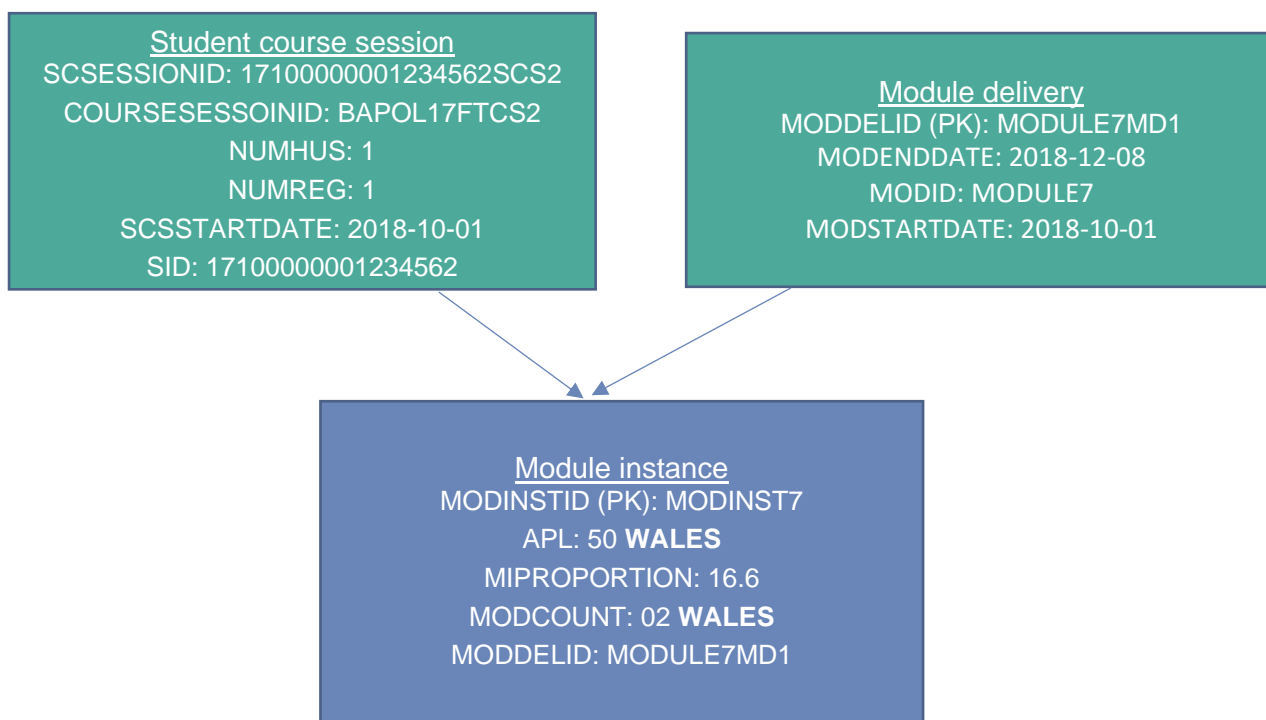
- The Funding and monitoring entity contains key information required by regulatory or funding bodies. This only needs to be returned where the student falls into the coverage of one or more of the fields and so for this Student course session a Funding and monitoring entity is not required for Northern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

Year 2 reference period 1

5. Assign the student to modules

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.

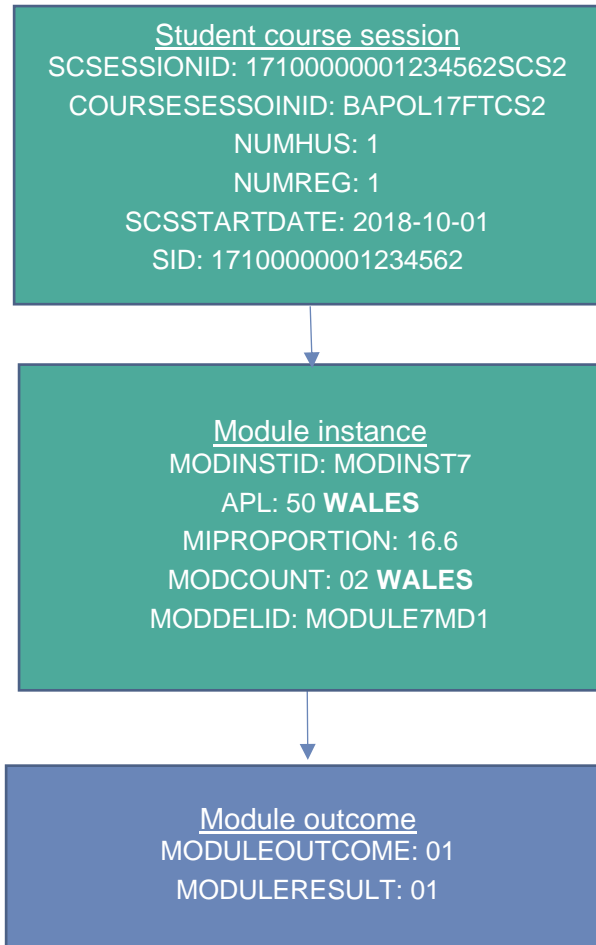
Year 2 reference period 2

In year two reference period two the student completes modules seven, eight and nine and begins studying on modules ten, eleven and twelve.

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).

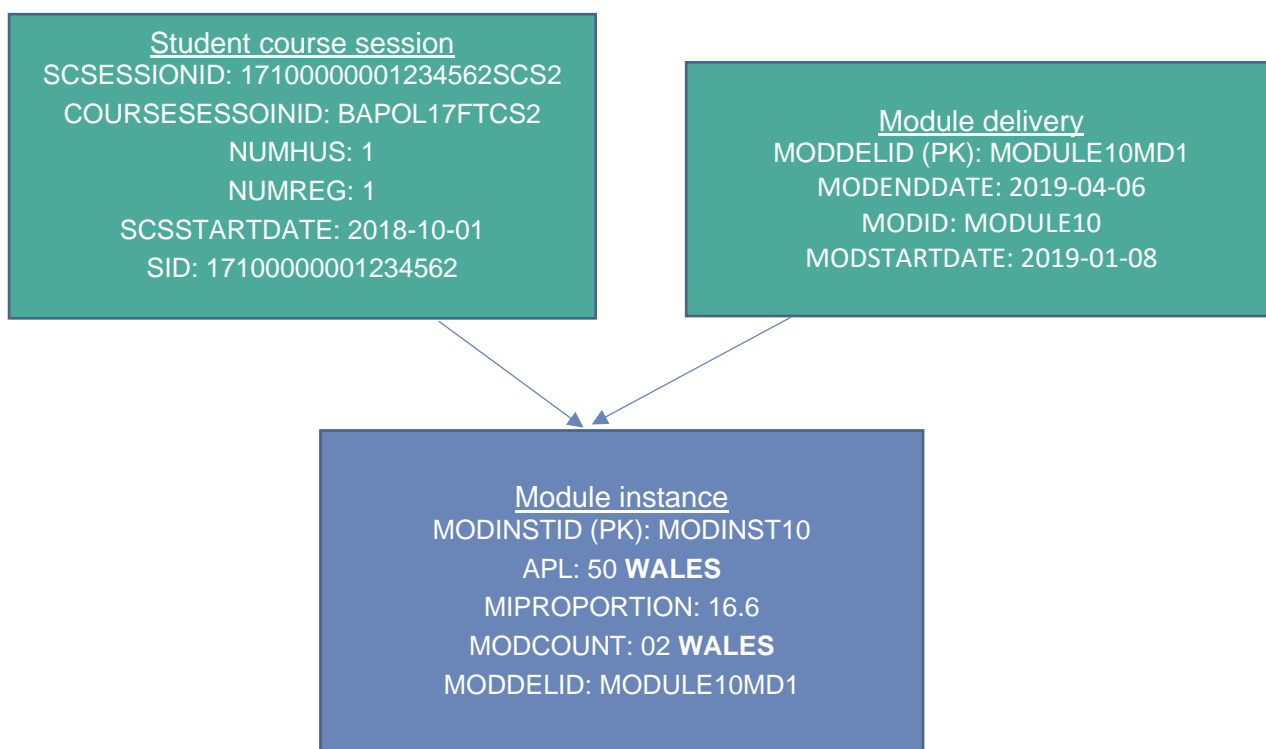
This needs to be repeated for each Module instance that has completed so in this scenario, there would be three Module outcomes returned in reference period two.

Year 2 reference period 2

2. Assign student to Modules

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.
- If there have been no changes to the data associated with the Student course session (Student fee, Funding, and monitoring), these do not need to be returned again.

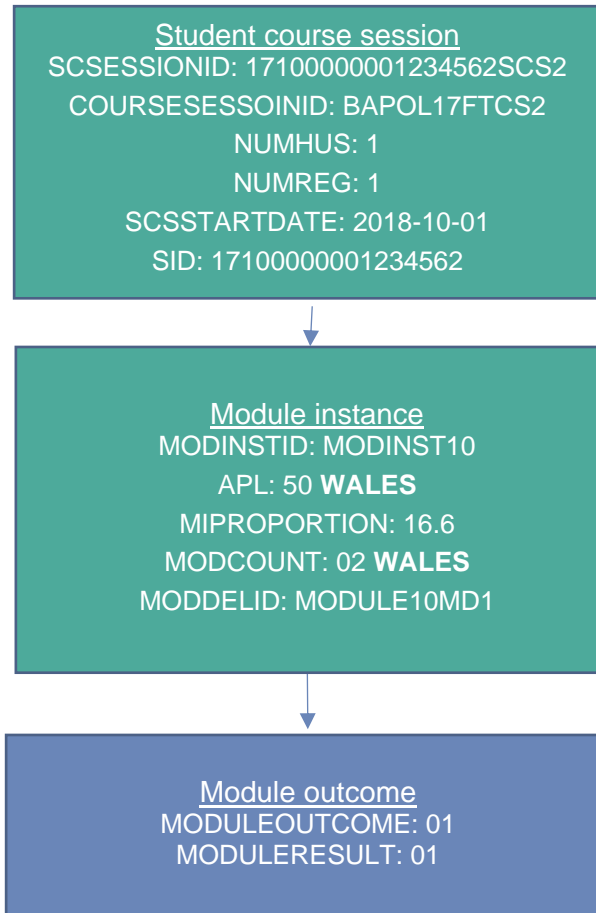
Year 2 reference period 3

In reference period three the student completes Modules ten, eleven and twelve and completes the Student course session

1. Return Module outcome for completed Module instances

Minimum data required:

- Module outcome



Hints and tips:

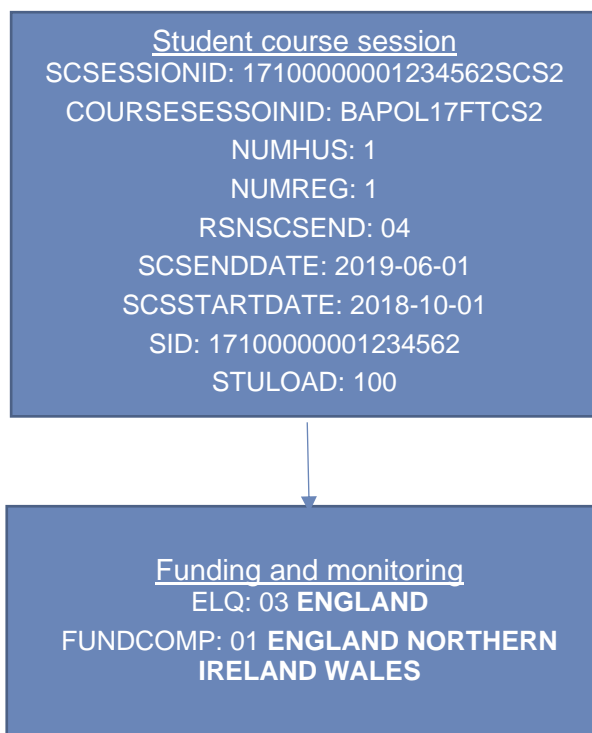
- The Module outcome end date does not need to be returned where the student completes the module on the same day the Module delivery is planned to end (recorded in ModuleDelivery.MODENDDATE).
- This needs to be repeated for each Module instance that has completed so in this scenario, there would be three Module outcomes returned in reference period three.

Year 2 reference period 3

2. Close the Student course session

Minimum data required:

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



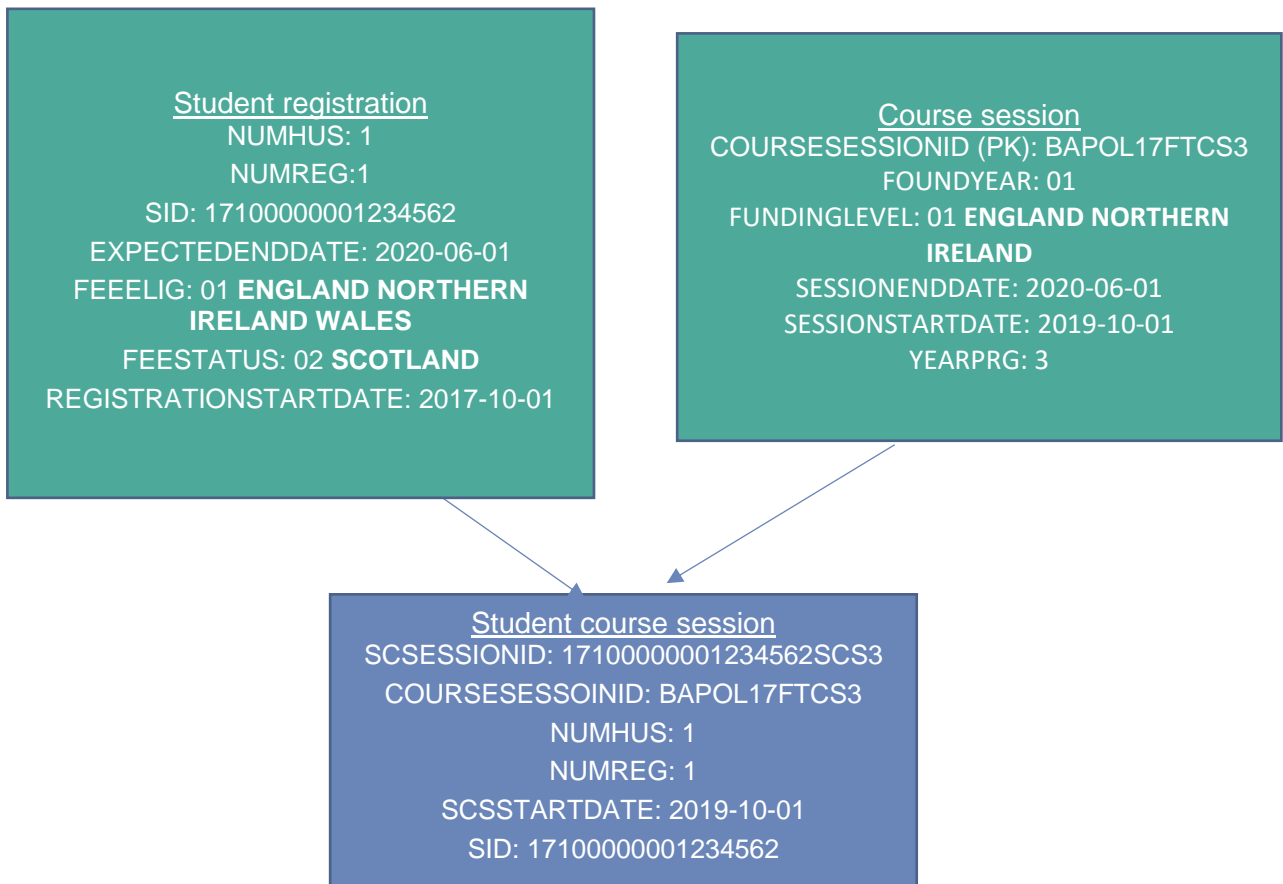
Hints and tips:

- 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 when the Student has 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 updated to show that the student has completed the year of programme of study.

Year 3 reference period 1

In the first reference period in year three, the student begins studying on the third Course session of the Course delivery and begins Modules thirteen, fourteen and fifteen.

1. Return the Student course session



Hints and tips:

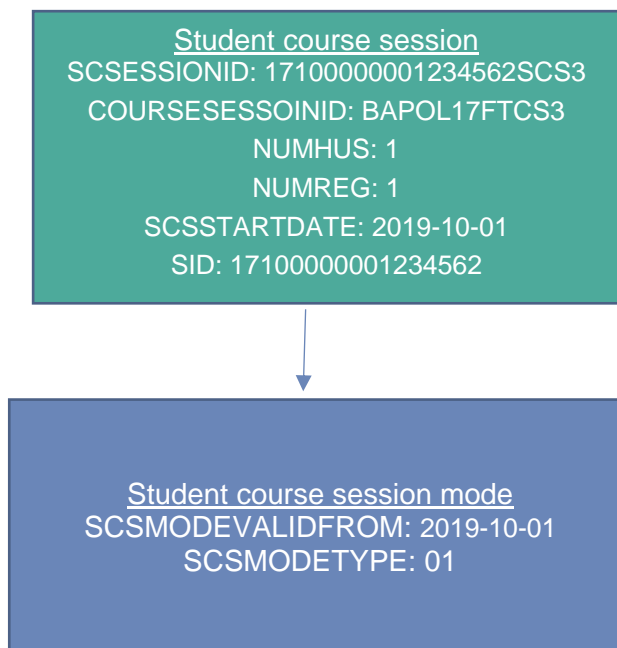
- The new Student course session has a different SCSESSIONID as these must be unique within a provider.
- This is associated with the same Student registration and so the NUMHUS, NUMREG and SID returned are the same as the previous Student course sessions.
- This is associated with the third Course session of the Course delivery and so there is a different COURSESESSIONID to the previous Student course sessions.
- If none of the student's information has changed (e.g. Personal characteristics or term time address), the student data does not need to be returned again.

Year 3 reference period 1

2. Return Student course session mode

Minimum data required:

- Student course session mode



Hints and tips:

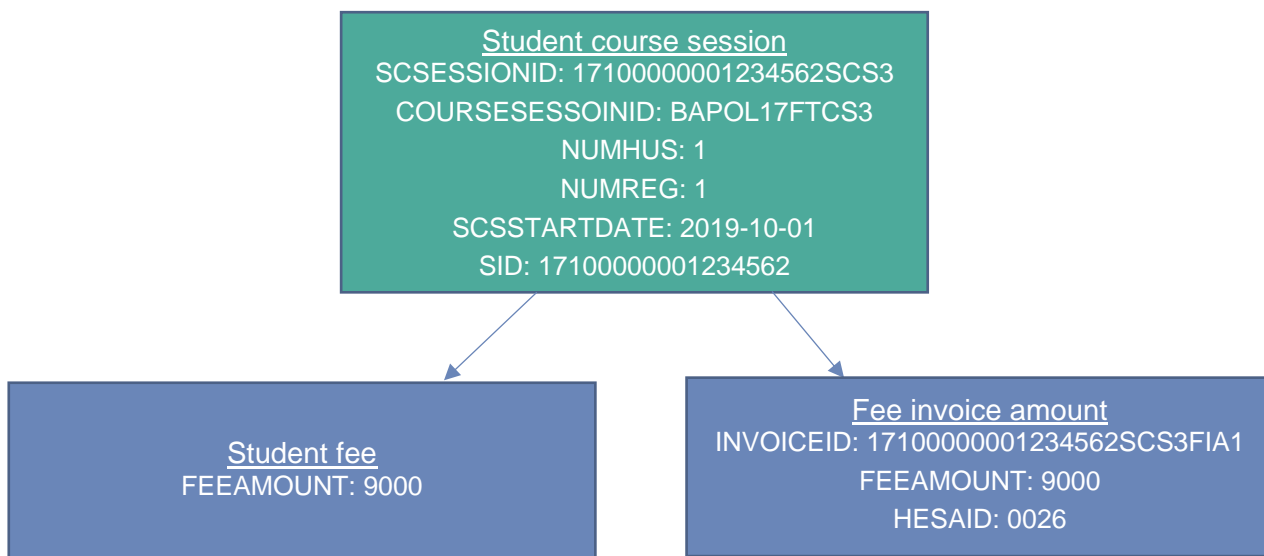
- Each Student course session must have a Student course session mode entity returned to confirm the student's mode.
- The entity has valid from the to dates to record when the mode is valid. For the mode that is valid at the start of the Student course session, the valid from date would align with the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

Year 3 reference period 1

3. Return fee information

Minimum data required:

- Student fee
- Fee invoice amount



Hints and tips:

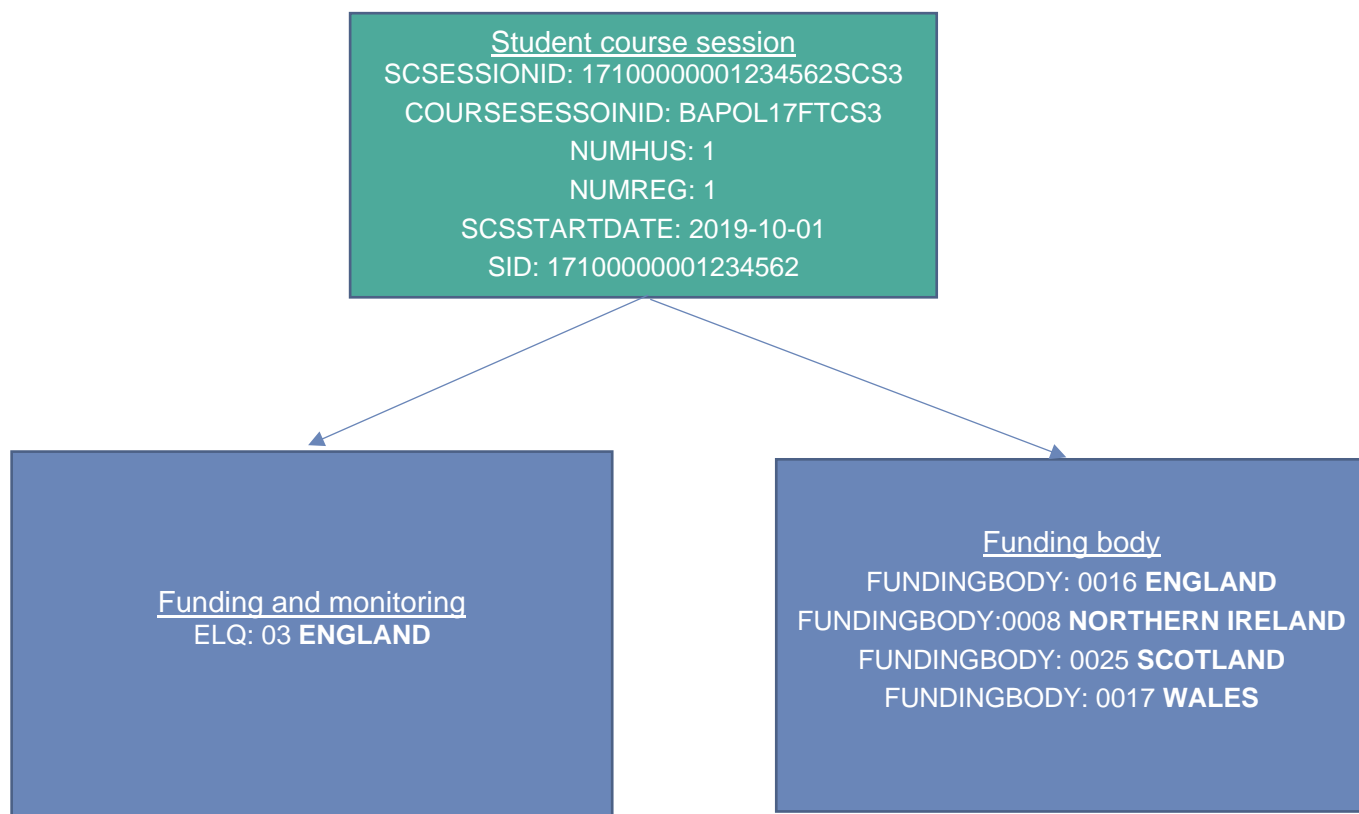
- The Student fee entity records the maximum fee the student could be charged for the Student course session
- If the HEP charges fees on a modular basis, the Student module fee entity can be returned (instead of Student fee) to return the maximum fee for each module
- The Fee invoice amount records 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, in this case this is the Student loans company. If the fee is charged to more than one organisation and/or individual, 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 loans company 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 3 reference period 1

4. Return Funding and monitoring information

Minimum data required

- Funding and monitoring



Hints and tips:

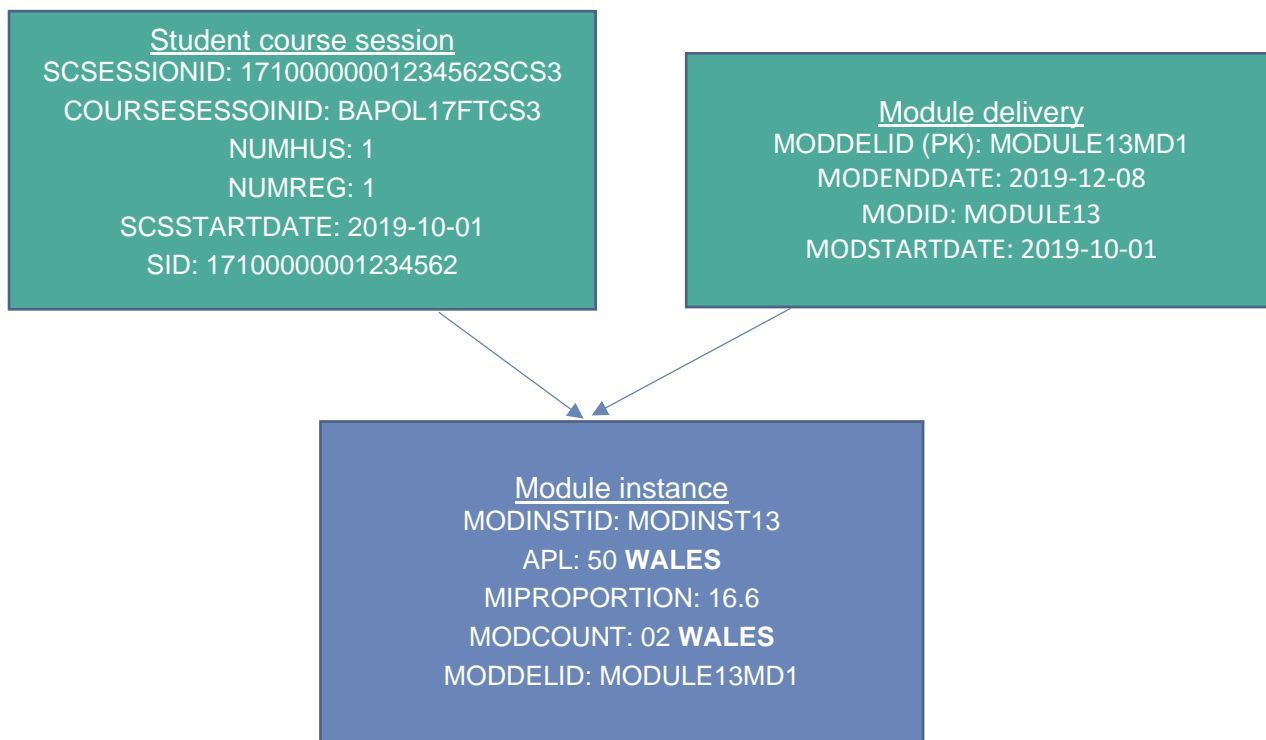
- The Funding and monitoring entity contains key information required by regulatory or funding bodies. This only needs to be returned where the student falls into the coverage of one or more of the fields and so for this Student course session a Funding and monitoring entity is not required for Northern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

Year 3 reference period 1

5. Assign the student to modules

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.

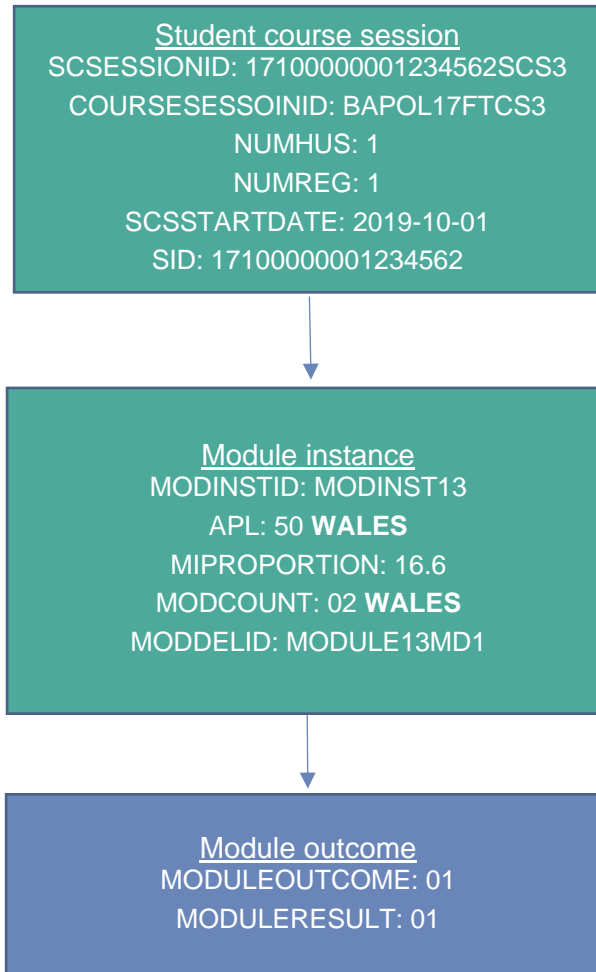
Year 3 reference period 2

In reference period two the student completes Modules thirteen, fourteen and fifteen and begins studying on Modules sixteen, seventeen and eighteen.

1. Return Module outcome for completed Module instances

Minimum data required:

- Module outcome



Hints and tips:

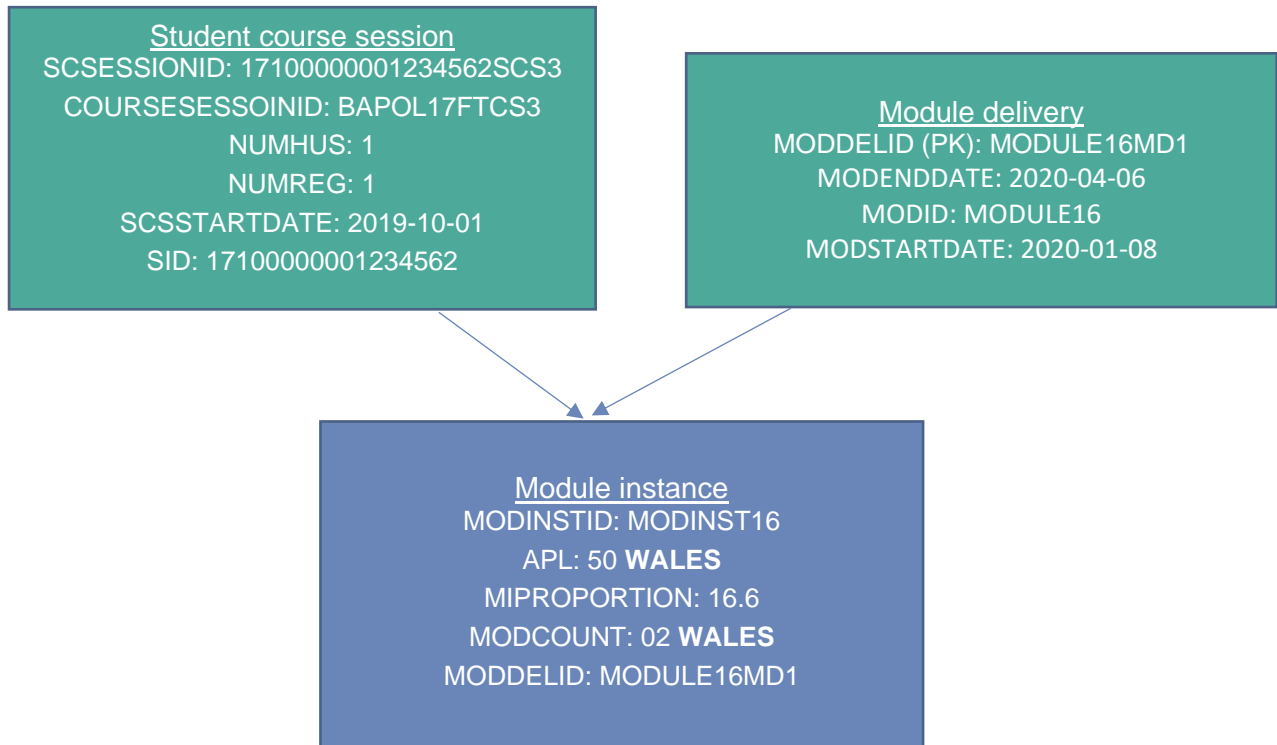
- The Module outcome end date does not need to be returned where the student completes the module on the same day the Module delivery is planned to end (recorded in ModuleDelivery.MODENDDATE).
- This needs to be repeated for each Module instance that has completed so in this scenario, there would be three Module outcomes returned in reference period two.

Year 3 reference period 2

2. Assign the student to modules

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.

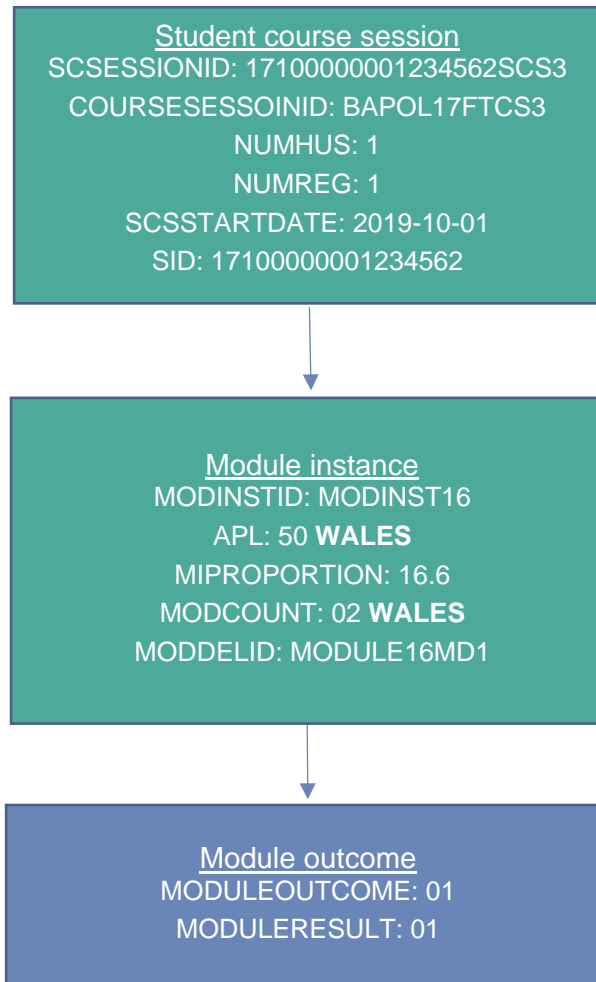
Year 3 reference period 3

In reference period three the student completes Modules sixteen, seventeen and eighteen and the final Course session. The student ends their Student registration and successfully achieves the qualification.

1. Return Module outcome for completed Module instances

Minimum data required:

- Module outcome



Hints and tips:

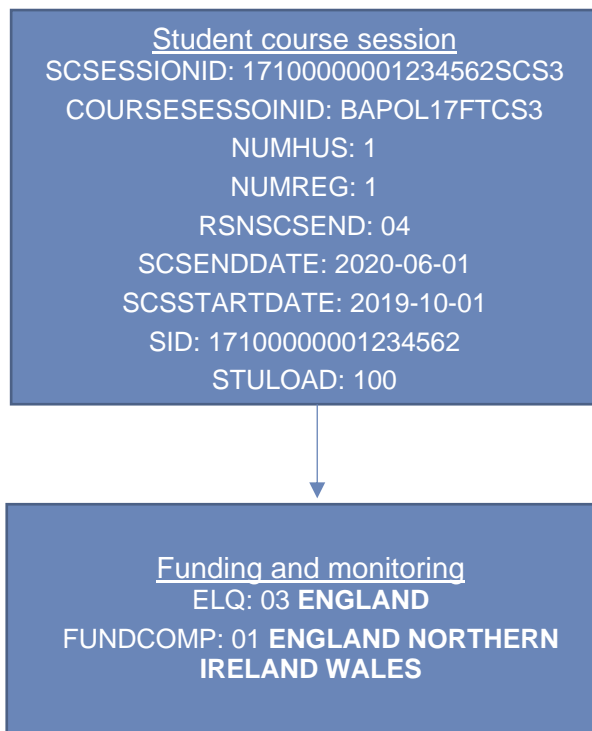
- The Module outcome end date does not need to be returned where the student completes the module on the same day the Module delivery is planned to end (recorded in ModuleDelivery.MODENDDATE).
- This needs to be repeated for each Module instance that has completed so in this scenario, there would be three Module outcomes returned in reference period three.

Year 3 reference period 3

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:

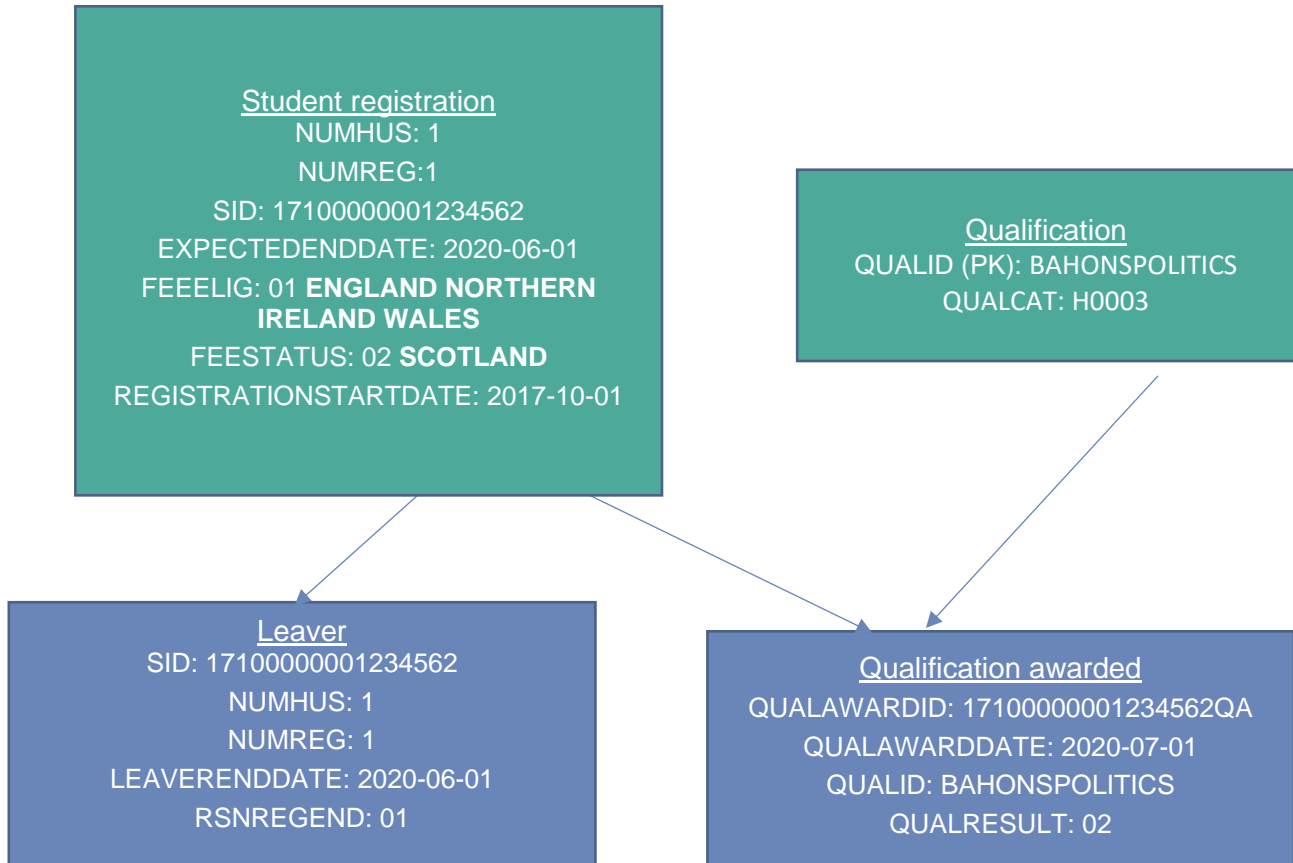
- Once the Student course session has ended, the STULOAD is returned with the total FTE completed by the student during the Student course session
- Once the Student course session has ended, the reason for session end is returned. 04 'Ended' is used for a Student course session that has ended, regardless 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 updated to show that the student has completed the Student course session
- 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 3 reference period 3

3. Return leaving information and Qualification awarded

Minimum data required:

- Leaver
- Qualification awarded (where the student achieves a qualification)



Hints and tips:

- The RSNREGENDDATE records that the student has left and has been awarded a qualification
- The QUALAWARDID must be a unique identifier for a Qualification awarded within a Student registration. Two Qualification awarded entities may have the same QUALAWARDID provided they are associated with different Student course sessions
- The QUALID must be returned with the unique identifier for the qualification achieved by the student.
- The QUALRESULT indicates the grade the student achieved, where applicable.
- 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.