Demand Led Funding 2008/09

Funding Calculation Specification version 3.2

6th February 2009
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1. Introduction

The purpose of this specification is to document the Demand Led Funding calculations within the Learner Information Suite and On Line Data Collection systems. Where LSC funded providers have a query about LSC funding policy they should refer to the 2008/09 funding guidance that is published on the LSC website at http://www.lsc.gov.uk/providers/funding-policy/demand-ledfunding/Further_Education_Funding_Policy_Documents_2008-09.htm.

Where the specification refers to Learner Responsive this includes the Adult Learner Responsive and 16-18 Model funding streams.
1.1 Overview

The main funding formula is as follows:

\[ \text{£} = (\text{SLN} \times \text{Rate} \times \text{Provider Factor}) + \text{ALS} \]

In terms of aim level actuals, the calculations are as follows:

**Learner Responsive** \[ \text{£} = (\text{SLN} \times \text{Rate} \times \text{Provider Factor}) + \text{ALS} \]

**Employer Responsive** \[ \text{£} = (\text{SLN Instalment} \times \text{Rate} \times \text{Provider Factor Weightings}) + \text{ALS} \]

The following table summarises which parts of the calculation are required for the funding models:

<table>
<thead>
<tr>
<th></th>
<th>Employer Responsive</th>
<th>Learner Responsive</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLN</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>SLN Inst (Base SLN,</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Balance SLN,</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Achievement SLN)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Provider Factor</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Provider Factor</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Weightings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ALS</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Cash</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Transitional</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>arrangements</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Each part of the calculation can be broken down into smaller steps which this document describes in detail.

A high level overview is described here.

**SLN:**
- Determine if the aim is entitled to receive any SLN
- Determine the SLN annual proportion based on the number of days remaining and the total number of days
- Determine the base SLN value from the LAD
- Calculate an uncapped annualised aim SLN by applying the SLN annual proportion to the base SLN value
- Determine the cap factor
- Apply the cap factor to the uncapped annualised aim SLN to calculate the aim SLN.

**SLN Instalment:**
- Determine if the aim is entitled to receive any SLN instalments
- Determine which periods are entitled to an SLN instalment
- Determine the SLN instalment proportion
- Determine the outstanding SLN instalment proportion
- Determine the SLN Instalment for the aim
- Apply the SLN instalment proportion to the aim SLN instalment to determine the on programme SLN instalment
- Apply the achievement element proportion to the aim SLN instalment to determine the achievement SLN instalment
- Apply the outstanding SLN instalment proportion to the aim SLN instalment to determine the balance SLN instalment
Provider Factor Weightings:
- Determine programme weighting
- Determine area cost
- Determine disadvantage uplift
- Determine short programme modifier
- Determine adjustment factor
- Calculate provider factor weightings

Transitional Arrangements:
- Determine the proportion of the base rate that has been paid prior to the start of the 2008/09 funding year, based on 2007/08 methodologies
- Determine the transitional SLN instalment proportion
- Determine the transitional outstanding SLN instalment proportion
- Apply the transitional SLN instalment proportion to the aim SLN instalment to determine the on programme SLN instalment
- Apply the transitional achievement element proportion to the aim SLN instalment to determine the achievement SLN instalment
- Apply the transitional outstanding SLN instalment proportion to the aim SLN instalment to determine the balance SLN instalment

ALS:
- Determine the ALS base value
- Determine which aim receives the ALS payment
- Calculate ALS payment

Cash:
- Calculate fee proportion
- Calculate co-funded rate
- Calculate monthly cash value
- Calculate balance payments
- Calculate achievement payments
1.2 Standard Learner Number (SLN)

Standard Learner Number (SLN), of the various types described below, is a measure of the volume of activity associated with a qualification, learning aim, learner, contract, allocation, or any other set of training or education.

1.3.1 SLN Value

Funding rates for 2008/09 will be stated as SLN Values. An SLN Value is a measure of fundable volume for a whole learning aim, irrespective of the time taken to deliver it.

It is SLN Values that will be listed on the Learning Aims Database (LAD) and used as a basis for the funding calculations in all DLF models.

In classroom and other group-based environments, SLN Values are directly related to guided learning hours (glh). In work-based and distance learning environments, they are related to activity in terms of a mixture of 1-to-1 contact and group-based hours.

In general, Employer Responsive SLN Values are derived from Activity and Learner Responsive SLN values are derived from GLH.

For ‘unlisted’ learning aims, that is learning aims which do not have an SLN Value stated on the LAD, the SLN Value is derived from the data in the ILR (specifically A32 Guided Learning Hours for the Learner Responsive Models).

1.3.2 Annual SLN

Annual SLN is the measure used directly in the funding calculations for the purposes of calculating actuals at learning aim level for the 16-18 and Adult Learner Responsive Models.

Annual SLN is the process that distributes the SLN Value across funding years in order to derive Annual SLN that distinguishes the Annual SLN from other measures.
1.3.3 SLN Instalments

SLN Instalments are the measure used directly in the funding calculations for the purposes of calculating the actuals at learning aim level for the Employer Responsive Model.

SLN Instalments is this process that distributes the SLN Value across periods (with an achievement element and balancing element in the relevant months) in order to derive SLN Instalments that distinguishes the SLN Instalment from other measures.

SLN Instalments are calculated on a monthly basis to support the payments, but can be summed up to annual level for contracting purposes.

The diagram below graphically displays the relationship between SLN Value, Annual SLN and SLN Instalments for a learning aim that starts during April and is Achieves during November.

<table>
<thead>
<tr>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLN Value</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual SLN</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

On Prog SLN Instalment: On Prog SLN Instalment

‘Achieve SLN Instalment’ refers to the SLN Instalment that forms the achievement element.

‘On Prog SLN Instalment’ refers to each of the ‘On Programme’ SLN Instalments which are the monthly proportion of the SLN Value after removing the achievement element. Note that two On Prog SLN Instalments are generated in the first month of a programme to recognise the higher costs at enrolment.

1.3.4 SLN Instalment Factor

The SLN Instalment Factor is the SLN Instalments (summed at annual level) divided by the Annual SLNs. In effect it is a conversion factor between Annual SLNs and SLN Instalments.
2. Categorisations

2.1 Define Funding Model

This determines whether the aim is to be included in the DLF funding calculations, and if it is, whether it is to be funded via the Learner Responsive model calculation or the Employer Responsive model calculation.

The output from this categorisation is used throughout the funding calculation.

Input: A10 LSC funding stream (ILR)
       Funding Model lookup (10.1)

Output: DLF_FUNDING_MODEL = 16-18 Learner Responsive or
        DLF_FUNDING_MODEL = Adult Learner Responsive or
        DLF_FUNDING_MODEL = Employer Responsive or

Where the A10 LSC funding stream is not 21 (16-18 Learner Responsive), 22 (Adult Learner Responsive), 45 (Employer Responsive) or 46 (Employer Responsive) it will not be selected for inclusion in the DLF funding calculation.
2.2 Define DLF Programme Type (Employer Responsive and Learner Responsive models)

The DLF Programme Type is used when:

- determining the funded age band
- determining the fully funded status
- determining the apprenticeship technical certificate aim
- determining the fully funded rate
- determining the Employer Responsive base SLN value
- determining the achievement element
- determining the programme weighting
- determining the adjustment factor

Input: A15 Programme type (ILR)
      DLF Programme Type lookup (10.2)

Output: DLF_PROG_TYPE = Apprenticeship or
         DLF_PROG_TYPE = E2E or
         DLF_PROG_TYPE = None or
         DLF_PROG_TYPE = Other

Use A15 Programme type and the DLF Programme Type lookup to determine DLF_PROG_TYPE.
2.3 Calculate Funded Age Band at Start of Aim (Employer Responsive model only)

This rule is for the Employer Responsive model only and is used to determine the age band at which each aim record should be funded.

For Learning Aims associated with a Programme, the age is based on the Programme start date. Where there are multiple Programmes then the earliest start date should be used.

For Learning Aims not associated with a Programme, the age is based on the start date of that aim.

The funded age band is used when:

- determining the fully funded rate
- determining the adjustment factor
- determining the ALS base value

**Step 1: determine earliest programme start date**

**Input:**
- A04 Dataset identifier (ILR)
- A15 Programme type (ILR)
- A26 Framework code (ILR)
- A27 Learning start date (ILR)
- DLF_FUNDING_MODEL (2.1)
- DLF_PROG_TYPE (2.2)

**Output:** EARLIEST_PROG_START_DATE

Where the aim is a programme aim (i.e. A04 Dataset identifier = 35) then set EARLIEST_PROG_START_DATE to its A27 Learning start date.

Where the DLF_PROG_TYPE is Apprenticeship:

- Find programme aims (i.e. where A04 Dataset identifier = 35) where A15 and A26 match A15 and A26 of the aim in question.
- Find the earliest A27 Learning start date from the resulting programme aims.
- Set EARLIEST_PROG_START_DATE to this date.

Otherwise set to null.
Step 2: determine age at the start of the aim

Input:  
L11 Date of birth (ILR)  
A27 Learning start date (ILR)  
EARLIEST_PROG_START_DATE (Step 1)

Output: AGE_AT_START

Calculate age using L11 Date of Birth and EARLIEST_PROG_START_DATE (or A27 Learning Start Date if EARLIEST_PROG_START_DATE is null).

Step 3: lookup L28

Input:  
L28a Eligibility for enhanced funding (ILR)  
L28b Eligibility for enhanced funding (ILR)  
L28 lookup for ELIGIBILITY_FOR_ER_1618_FUNDING_IND (10.28)

Output: eligible for ER 16-18 funding

If either or both of the L28 lookups return a value of 1 then the learner is eligible for ER 16-18 funding.

Step 4: determine funded age band

Input:  
AGE_AT_START (Step 2)  
eligible for ER 16-18 funding (step 3)  
Funded Age Band lookup (10.3)

Output: FUNDED_AGE_BAND = 16-18 or  
        FUNDED_AGE_BAND = 19+

If the FUNDED_AGE_BAND lookup returns ‘16-18’ or the learner is eligible for ER 16-18 funding then set the FUNDED_AGE_BAND to ‘16-18’, otherwise set the FUNDED_AGE_BAND to ‘19+’.
2.4 Determine Fully Funded/Co-Funded Status (Employer Responsive and Learner Responsive models)

This determines whether the aim is fully funded or co-funded and is used when:

- determining the fully funded rate and type
- calculating Employer Responsive on programme monthly cash values
- calculating Employer Responsive balancing payments
- calculating Employer Responsive achievement payments
- calculating Learner Responsive cash values

Input:  
- A13 Tuition fee received for year (ILR)
- A14 Reason for full funding/co-funding of learning aim (ILR)
- DLF_FUNDING_MODEL (2.1)
- DLF_PROG>Type (2.2)

DLF_FUNDING_MODEL is 'E2E' then FULLY_FUNDED = 1.

Otherwise, if DLF_FUNDING_MODEL is 'Employer Responsive' use the Fully Funded lookup for FULLY_FUNDED_IND (which is based on A14 Reason) to determine FULLY_FUNDED.

Otherwise, if DLF_FUNDING_MODEL is '16-18 Learner Responsive' then FULLY_FUNDED = 1.

Otherwise, if DLF_FUNDING_MODEL is 'Adult Learner Responsive' and A13 Tuition Fee Received for Year equals zero then use the Fully Funded lookup for FULLY_FUNDED_IND (which is based on A14 Reason) to determine the FULLY_FUNDED output.

Otherwise FULLY_FUNDED = 0.

Output:  
- FULLY_FUNDED = 0 (not fully funded i.e. co-funded) or
- FULLY_FUNDED = 1 (fully funded)
2.5 Identify Aim Achievement (Employer Responsive and Learner Responsive models)

This rule identifies if and when an aim has been achieved and is used when:

- determining programme aim achievement details
- calculating the achievement SLN instalment
- calculating the balance SLN instalment

Input:

- A31 Learning actual end date (ILR)
- A35 Learning outcome (ILR)
- A40 Achievement date (ILR)
- Calendar lookup (10.6)
- Learning Outcome Achievement lookup (10.5)

Output:

- ACHIEVEMENT_PERIOD
- ACHIEVEMENT_FUNDING_YEAR
- ACHIEVER = 1 (to indicate an achievement) or
- ACHIEVER = 0 (to indicate there is no achievement)

Use A35 Learning outcome to determine the ACHIEVEMENT_IND from the Learning Outcome Achievement lookup and where the ACHIEVEMENT_IND = ‘Y’ set ACHIEVER to 1 and ACHIEVEMENT_PERIOD and ACHIEVEMENT_FUNDING_YEAR to the period and funding year of the A40 Achievement date (or the A31 Actual end date if the A40 Achievement date is null).

Otherwise, set ACHIEVER to 0 and ACHIEVEMENT_PERIOD and ACHIEVEMENT_FUNDING_YEAR are null.

With regards to ACHIEVEMENT_PERIOD, August = 01, September = 02....and so on.
2.6 Identify Aim Level Programme Achievement (Employer Responsive only)

For main aims that have been achieved, identify if and when the associated programme aim has been achieved. This information is stored against the main aim and not the programme aim.

This rule is used when:

- calculating the achievement SLN instalment

**Step 1 – determine if this aim is an Apprenticeship Main Aim**

Input:
- A10 LSC funding stream (ILR)
  - Funding Model lookup (10.1)

Output:
- \text{APPRENTICESHIP\_MAIN\_AIM\_IND} = 1 or
- \text{APPRENTICESHIP\_MAIN\_AIM\_IND} = 0

Use the A10 LSC funding stream to determine the APPRENTICESHIP\_MAIN\_AIM\_IND from the Funding Model lookup. Where the lookup returns a ‘Y’ set the output to this step to 1, otherwise set to 0.

**Step 2 – determine the associated achieving programme aim**

Input:
- A04 Dataset identifier (ILR)
- A15 Programme type (ILR)
- A26 Framework code (ILR)
- A40 Achievement date (ILR)
- ACHIEVER (2.5)
- APPRENTICESHIP\_MAIN\_AIM\_IND (Step 1)

Output: achieving programme aim or null

Where APPRENTICESHIP\_MAIN\_AIM\_IND and ACHIEVER both equal 1:

- Find programme aims (i.e. where A04 Dataset identifier = 35) where A15 Programme type and A26 Framework code match A15 Programme type and A26 Framework code of the main aim in question.
- Look at the associated programme aims ACHIEVER flag and exclude those that equal zero.
- The achieving programme aim is the one with the latest A40 Achievement date.
Step 3 – determine programme aim achieving details

Input: achieving programme aim or null (Step 2)
ACHIEVEMENT_FUNDING_YEAR of the achieving programme aim (2.5)
ACHIEVEMENT_PERIOD of the achieving programme aim (2.5)

Output: PROG_AIM_ACHIEVEMENT_PERIOD of the main aim
PROG_AIM_ACHIEVEMENT_FUNDING_YEAR of the main aim
PROG_AIM_ACHIEVER = 0 or 1

If there is a matching achieving programme aim then PROG_AIM_ACHIEVEMENT_PERIOD and PROG_AIM_ACHIEVEMENT_FUNDING_YEAR are set to equal the ACHIEVEMENT_PERIOD and ACHIEVEMENT_FUNDING_YEAR of the matching achieving programme aim and PROG_AIM_ACHIEVER is set to 1.

Otherwise set PROG_AIM_ACHIEVEMENT_PERIOD and PROG_AIM_ACHIEVEMENT_FUNDING_YEAR to null and PROG_AIM_ACHIEVER to 0.
2.7 Calculate Planned Number of Days this Year (Employer Responsive and Learner Responsive models)

Planned number of days this year is used when:

- determining whether the aim generates an SLN
- calculating the SLN annual proportion

Input:  
- A27 Learning start date (ILR)
- A28 Learning planned end date (ILR)
- Calendar lookup (10.6)

Output:  \text{PLANNED\_NUMBER\_OF\_DAYS\_THIS\_YEAR}

Calculate the planned number of days in learning for this aim for this funding year as the difference, in days, between the later of the A27 Learning start date or the first day of the current funding year and the earlier of the A28 Learning planned end date or the last day of the current funding year.

A learner starting and ending on the same days counts as 1 day. A learner starting on one day and ending on the next day counts as two days and so on.

Set to zero if the result is negative.
2.8 Calculate Total Planned Number of Days (Employer Responsive and Learner Responsive models)

Total planned number of days is used when:

- calculating the SLN annual proportion
- calculating the Learner Responsive base SLN value and source
- determining whether the aim generates an SLN instalment

Input:  
A27 Learning start date (ILR)
A28 Learning planned end date (ILR)

Output:  
TOTAL_PLANNED_NUMBER_OF_DAYS

Calculate the total planned number of days in learning for this aim as the difference, in days, between A27 Learning start date and A28 Learning planned end date.

Calculate the number of days between the two dates, including the end date as a day.

A learner starting and ending on the same days counts as 1 day. A learner starting on one day and ending on the next day counts as two days and so on.
2.9 Calculate Actual Number of Days this Year (Employer Responsive and Learner Responsive models)

The actual number of days this year is used when:

- determining whether the aim generates an SLN

Input:  
- A27 Learning start date (ILR)
- A28 Learning planned end date (ILR)
- A31 Learning actual end date (ILR)
- Calendar lookup (10.6)

Output:  
ACTUAL_NUMBER_OF_DAYS_THIS_YEAR

Calculate the actual number of days in learning for this aim for this funding year:

- Determine the later of the A27 Learning start date or the first day of the current funding year.
- Determine the earlier of the A31 Actual end date (use A28 Learning planned end date if A31 Learning actual end date is null) or the last day of the current funding year.

Calculate the number of days between the two dates, including the end date as a day.
A learner starting and ending on the same day counts as 1 day. A learner starting on one day and ending on the next day counts as two days and so on.
Set to zero if the result is negative.
2.10 Calculate Actual Number of Days (Employer Responsive only)

The actual number of days is used when:

- determining whether the aim generates an SLN instalment

Input:  
- A27 Learning start date (ILR)
- A28 Learning planned end date (ILR)
- A31 Learning actual end date (ILR)
- Calendar lookup (10.6)

Output:  
ACTUAL_NUMBER_OF_DAYS

Calculate the actual number of days in learning for this aim:

- Determine A27 Learning start date.
- Determine A31 Learning actual end date (use A28 Learning planned end date if A31 Learning actual end date is null).

Calculate the number of days between the two dates, including the end date as a day.

A learner starting and ending on the same day counts as 1 day. A learner starting on one day and ending on the next day counts as two days and so on.
2.11 Determine Transferred Aims (Employer Responsive and Learner Responsive models)

The transferred aim indicator is used when:

- calculating the uncapped annualised aim level SLN
- creating an entitlement aim record

Input: A34 Completion status (ILR)
       A34 lookup for ILRA34TRANSFERRED (10.7)

Output: TRANSFERRED_AIM_IND = 1 or
         TRANSFERRED_AIM_IND = 0

Use the A34 Completion status to determine ILRA34TRANSFERRED from the A34 lookup. Set the output to this step as per the result of the lookup.
2.12 Determine A51a Proportion (Employer Responsive and Learner Responsive models)

The A51a proportion is used when:

- calculating the uncapped annualised aim level SLN
- calculating the base SLN instalment value

Input: A51a Proportion of funding remaining (ILR)
Output: A51a_PROPORTION

Where A51a = 01 then A51a_PROPORTION = 0
Where A51a = 00 then A51a_PROPORTION = 1
Otherwise A51a_PROPORTION = A51a/100
2.13 Determine Apprenticeship Technical Certificate Aim (Employer Responsive only)

The apprenticeship technical certificate indicator is used when:

- determining which aim receives the ALS payment

Input: 

- A04 Dataset identifier (ILR)
- APPRENTICESHIP_MAIN_AIM_IND (2.6)
- DLF_PROG_TYPE (2.2)
- LAD lookup
- Technical Certificate lookup (10.17)

Output:

- APPRENTICESHIP_TECH_CERT_IND = 1 or
- APPRENTICESHIP_TECH_CERT_IND = 0

- Where DLF_PROG_TYPE is ‘Apprenticeship’ and APPRENTICESHIP_MAIN_AIM_IND is ‘0’ and A04 Dataset Identifier is ‘30’ determine the FRAMEWORK_COMPONENT_TYPE_CODE from the LAD lookup.
- Use the FRAMEWORK_COMPONENT_TYPE_CODE as the input into the Technical Certificate lookup to determine the TECHNICAL_CERTIFICATE_IND.
- Where the TECHNICAL_CERTIFICATE_IND equals 1 then set the APPRENTICESHIP_TECH_CERT_IND to 1.

Otherwise set APPRENTICESHIP_TECH_CERT_IND to ‘0’.
2.14 Determine Fully Funded Rate, Fully Funded Type and Eligibility for Enhanced Funding (Employer Responsive and Learner Responsive models)

This categorisation is to determine the provider rate which is obtained from PIMS and is used when:

- calculating the co-funded rate
- creating an entitlement record
- calculating Employer Responsive on programme monthly cash values
- calculating Employer Responsive balancing payments
- calculating Employer Responsive achievement payments
- calculating Learner Responsive cash values

Input:
- DLF_PROG_TYPE (2.2)
- DLF_FUNDING_MODEL (2.1)
- FUNDED_AGE_BAND (2.3)
- National Rate lookup (10.13)
- PIMS lookup

Output:
- FULLY_FUNDED_RATE
- FULLY_FUNDED_RATE_TYPE

If DLF_FUNDING_MODEL is ‘16-18 Learner Responsive’ then use the 16-18_RATE_TRANSITIONAL_FULLYFUNDED from PIMS and set FULLY_FUNDED_RATE_TYPE to ‘16-18 Transitional’.

Where the 16-18_RATE_TRANSITIONAL_FULLYFUNDED is null or zero use the 16-18_RATE from the National Rate lookup and set FULLY_FUNDED_RATE_TYPE to ‘16-18 National’.

If DLF_FUNDING_MODEL is ‘Adult Learner Responsive’ then use the LRM_RATE_TRANSITIONAL_FULLYFUNDED from PIMS and set FULLY_FUNDED_RATE_TYPE to ‘Adult LR Transitional’. Where LRM_RATE_TRANSITIONAL_FULLYFUNDED is null or zero use the LRM_RATE from the National Rate lookup and set FULLY_FUNDED_RATE_TYPE to ‘Adult LR National’.

If DLF_FUNDING_MODEL is ‘Employer Responsive’ and DLF_PROG_TYPE is ‘Apprenticeship’ and FUNDED_AGE_BAND is ‘16-18’ then use the 16-18_RATE_TRANSITIONAL_FULLYFUNDED from PIMS and set FULLY_FUNDED_RATE_TYPE to ‘16-18 Transitional’. Where 16-18_RATE_TRANSITIONAL_FULLYFUNDED is null or zero use the 16-18_RATE from the National Rate lookup and set FULLY_FUNDED_RATE_TYPE to ‘16-18 National’.

Else if DLF_FUNDING_MODEL is ‘Employer Responsive’ then use the ERM_RATE_TRANSITIONAL_FULLYFUNDED from PIMS and set FULLY_FUNDED_RATE_TYPE to ‘ERM Transitional’.

Where the ERM_RATE_TRANSITIONAL_FULLYFUNDED is null or zero use the ERM_RATE from the National Rate lookup and set FULLY_FUNDED_RATE_TYPE to ‘ERM National’.
2.15 Identify MOD Discount Factor (Employer Responsive and Learner Responsive)

This categorisation will be used to determine the MOD discount rates that are to be applied and is used when:

- calculating the uncapped annualised aim level SLN
- calculating the base SLN instalment value

Input: 
- A02 Contract/Allocation type (ILR)
- A09 Learning aim reference (ILR)
- DLF_FUNDING_MODEL (2.1)
- Sector Subject Area (LAD)
- MOD lookup (10.19)

Output: MOD_DISCOUNT

Where DLF_FUNDING_MODEL is ‘Employer Responsive’ and A02 = 12 then obtain the MOD_DISCOUNT from the MOD lookup using the Sector Subject Area obtained from LAD (using A09). Look for tier 2 Sector Subject Area’s first. If no tier 2 Sector Subject Area is present then use tier 1 Sector Subject Area.

Otherwise set MOD_DISCOUNT to 1.
2.16 Identify Transitional Aims (Employer Responsive only)

This categorisation will be used during the calculation of the SLN instalments to determine whether the transitional calculation rules need to be used.

Input:  
A27 Learning start date (ILR)  
A46a National learning aim monitoring (ILR)  
A46b National learning aim monitoring (ILR)  
DLF_FUNDING_MODEL (2.1)  
A46 ER lookup (10.18)  

Output:  
TRANSITIONAL_ARRANGEMENT_FUNDING_STREAM = TTG or  
TRANSITIONAL_ARRANGEMENT_FUNDING_STREAM = FE_NVQ or  
TRANSITIONAL_ARRANGEMENT_FUNDING_STREAM = N/A  
TRANSITIONAL_ARRANGEMENT_FUNDING_STREAM = NO_TRANSITION  

Where DLF_FUNDING_MODEL is Employer Responsive and A27 Learning start date is before 1st August 2008 then use the A46 ER lookup to determine TRANSITIONAL_ARRANGEMENT_FUNDING_STREAM.

Where the A46 ER lookup returns no value then set TRANSITIONAL_ARRANGEMENT_FUNDING_STREAM to N/A.

Where the A46 ER lookup returns two values then use the one with the lowest priority number.
2.17 Identify Aim Completion (Employer Responsive and Learner Responsive models)

This rule identifies a completer in this funding year in order to generate a balancing SLN and is used when identifying the outstanding programme payment proportion.

Input:  
A31 Learning actual end date (ILR)  
A34 Completion status (ILR)  
Calendar lookup (10.6)  
A34 lookup for COMPLETED (10.7)

Output:  
COMPLETER_IND = 1 (to indicate a completion) or  
COMPLETER_IND = 0 (to indicate there is no completion)

Where A31 Learning actual end date is in this funding year and the A34 lookup indicates a completion (i.e. equals ‘Y’) then COMPLETER_IND = 1.

Otherwise COMPLETER_IND = 0

Note, if the A31 Learning actual end date is before this funding year then the funding calculation assumes the balancing SLN was generated before this funding year.

If the A31 Learning actual end date is after this funding year the funding calculation assumes the balancing SLN will be generated after this funding year.
2.18 Identify Transitional Aims (Learner Responsive only)
This categorisation will be used during the calculation of the SLN determine whether the transitional calculation rules need to be used.

Input:  
A27 Learning start date (ILR)  
A46a National learning aim monitoring (ILR)  
A46b National learning aim monitoring (ILR)  
DLF_FUNDING_MODEL (2.1)  
DLF_PROG_TYPE (2.2)  
A46 LR lookup (10.36)

Output:  
TRANSITIONAL_ARRANGEMENT_FUNDING_STREAM = FE or  
TRANSITIONAL_ARRANGEMENT_FUNDING_STREAM = NO_TRANSITION

Where DLF_FUNDING_MODEL is (Adult Learner Responsive or 16-18 Learner Responsive) and DLF_PROG_TYPE is not E2E and A27 Learning start date is before 1st August 2008 and the A46 LR lookup does not return NO_TRANSITION then the TRANSITIONAL_ARRANGEMENT_FUNDING_STREAM equals ‘FE’.

Otherwise TRANSITIONAL_ARRANGEMENT_FUNDING_STREAM equals ‘NO_TRANSITION’.
3. Calculate Standard Learner Number (SLN)

Where DLF_PROG_TYPE is E2E then bypass sections 3.1 and 3.2. Run section 3.3.1 and then continue at 3.4.

3.1 Determine Start for SLN Purposes (Employer Responsive and Learner Responsive models)

3.1.1 Identify Start Information

This rule is used to identify whether a learner has stayed on an aim long enough to generate an SLN.

**Step 1: determine qualifying period days**

**Inputs:**
- PLANNED_NUMBER_OF_DAYS_THIS_YEAR (2.7)
- Qualifying Period lookup (10.8)

**Output:**
- QUALIFYING_SLN_PERIOD_DAYS = 1 or,
- QUALIFYING_SLN_PERIOD_DAYS = 14 or,
- QUALIFYING_SLN_PERIOD_DAYS = 42

**Step 2: determine SLN start indicator**

**Input:**
- ACTUAL_NUMBER_OF_DAYS_THIS_YEAR (2.9)
- COMPLETER_IND (2.17)
- QUALIFYING_SLN_PERIOD_DAYS (Step 1)

**Output:**
- SLN_START = 0 (not qualified as a starter for funding)
- SLN_START = 1 (qualified as a starter for funding)

- If ACTUAL_NUMBER_OF_DAYS_THIS_YEAR >= QUALIFYING_SLN_PERIOD_DAYS then set SLN_START = 1 or,
- If COMPLETER_IND = 1 then set SLN_START = 1
- Otherwise SLN_START = 0
Step 3: determine month of SLN starting

This is only required where SLN_START = 1.

Input: A27 Learning start date (ILR)
SLN_START (Step 2)
Calendar lookup (10.6)

Output: SLN_START_PERIOD
SLN_START_YEAR

A learner is determined to have started an aim/programme in month n, if the following is true:
The learner started on or after the first day of the month AND on or before the last day of the month.
Where A27 Learning start date is < 01st August 2008 then set SLN_START_PERIOD = 01 and SLN_START_YEAR = 2008.
3.2 SLN Annualisation (Employer Responsive and Learner Responsive models)

3.2.1 Identify Outstanding Programme Payment Proportion

**Step 1: calculate planned number of days after this year**

Input: A28 Learning planned end date (ILR)
Calendar lookup (10.6)

Output: **PLANNED_NO_DAYS_AFTER_THIS_YEAR**

PLANNED_NO_DAYS_AFTER_THIS_YEAR = A28 Learning planned end date minus current funding year end date.
Where the result is negative then use zero.

**Step 2: perform transitional calculations for LR?**

Input: DLF_FUNDING_MODEL (2.1)
TRANSITIONAL_ARRANGEMENT_FUNDING_STREAM (2.18)

Where DLF_FUNDING_MODEL is (Adult Learner Responsive or 16-18 Learner Responsive) and TRANSITIONAL_ARRANGEMENT_FUNDING_STREAM is FE then go to section 6 and do not calculate step 3. When section 6 has completed then continue at section 3.2.2.
Otherwise continue to step 3.

**Step 3: calculate SLN annual proportion**

Input: COMPLETER_IND (2.17)
PLANNED_NO_DAYS_AFTER_THIS_YEAR (Step 1)
PLANNED_NUMBER_OF_DAYS_THIS_YEAR (2.7)
TOTAL_PLANNED_NUMBER_OF_DAYS (2.8)

Output: **SLN_ANNUAL_PROPORTION**

SLN_ANNUAL_PROPORTION = (PLANNED_NUMBER_OF_DAYS_THIS_YEAR + (PLANNED_NO_DAYS_AFTER_THIS_YEAR * COMPLETER_IND))/ TOTAL_PLANNED_NUMBER_OF_DAYS
3.2.2 Calculate Aim Level Annualised Planned GLH (Learner Responsive only)

Input:  
- A32 Guided learning hours (ILR)
- COMPLETER_IND (2.17)
- PLANNED_NO_DAYS_AFTER_THIS_YEAR (3.2.1)
- PLANNED_NUMBER_OF_DAYS_THIS_YEAR (2.7)
- TOTAL_PLANNED_NUMBER_OF_DAYS (2.8)

Output:  
- **AIM_ANNUAL_PLANNED_GLH**

\[
AIM_ANNUAL_PLANNED_GLH = \frac{(PLANNED_NUMBER_OF_DAYS_THIS_YEAR + (PLANNED_NO_DAYS_AFTER_THIS_YEAR \times COMPLETER_IND))/\text{TOTAL_PLANNED_NUMBER_OF_DAYS}) \times A32 \text{ Guided learning hours}}
\]

3.2.3 Calculate Entitlement SLN (Learner Responsive only)

**Step 1: Lookup L28**

Input:  
- L28a Eligibility for enhanced funding (ILR)
- L28b Eligibility for enhanced funding (ILR)
- L28 lookup (10.28)

Output:  
- ELIGIBILITY_FOR_ENTITLEMENT_IND = 0 or
- ELIGIBILITY_FOR_ENTITLEMENT_IND = 1

If ELIGIBILITY_FOR_ENTITLEMENT_IND equals 1 then go to step 2, otherwise exit this section.

**Step 2: Calculate sum of AIM_ANNUAL_PLANNED_GLH for this learner**

Input:  
- AIM_ANNUAL_PLANNED_GLH (3.2.2)
- SLN_START (3.1.1)
- TRANSFERRED_AIM_IND (2.11)

Output:  
- **LEARNER_ANNUAL_PLANNED_GLH**

LEARNER_ANNUAL_PLANNED_GLH equals the sum of AIM_ANNUAL_PLANNED_GLH for all aims with SLN_START = 1 and TRANSFERRED_AIM_IND = 0, for this learner.
Step 3: Calculate eligibility for entitlement

Input: DLF_FUNDING_MODEL (2.1)  
FULLY_FUNDED_RATE_TYPE (2.14)  
LEARNER_ANNUAL_PLANNED_GLH (step 2)  
National Rate lookup (10.13)  
Parameter lookup for GLH_TO_SLN_DIVISOR (10.9)  
Parameter lookup for ENTITLEMENT_GLH_THRESHOLD (10.9)  
Parameter lookup for ENTITLEMENT_SLN_GLH (10.9)  
PIMS lookup

Output: creation of an entitlement output record

If LEARNER_ANNUAL_PLANNED_GLH \Rightarrow ENTITLEMENT_GLH_THRESHOLD then create an entitlement output record. For that entitlement record set:

L01 = L01
L03 = L03

AIM_SEQUENCE_NUMBER = 99

DLF_FUNDING_MODEL:

If at least one aim record for this learner (where SLN_START_ = 1 and TRANSFERRED_AIM_IND = 0) has a DLF_FUNDING_MODEL ‘16-18 Learner Responsive’ then the DLF_FUNDING_MODEL = ‘16-18 Learner Responsive’.

Otherwise, if at least one aim record for this learner (where SLN_START_ = 1 and TRANSFERRED_AIM_IND = 0) has a DLF_FUNDING_MODEL of ‘Adult Learner Responsive’ then the DLF_FUNDING_MODEL is ‘Adult Learner Responsive’.

AIM_SLN_UNCAPPED = ENTITLEMENT_SLN_GLH/GLH_TO_SLN_DIVISOR

FULLY_FUNDED = 1

FULLY_FUNDED_RATE:

If at least one aim record for this learner (where SLN_START_ = 1 and TRANSFERRED_AIM_IND = 0) has a FULLY_FUNDED_RATE_TYPE of ‘16-18 Transitional’ then the FULLY_FUNDED_RATE = 16-18_RATE_TRANSITIONAL_FULLY_FUNDED from the PIMS lookup.

Otherwise, if at least one aim record for this learner (where SLN_START_ = 1 and TRANSFERRED_AIM_IND = 0) has a FULLY_FUNDED_RATE_TYPE of ‘16-18 National’ then the FULLY_FUNDED_RATE = 16-18_RATE from the National Rate lookup.

Otherwise, if at least one aim record for this learner (where SLN_START_ = 1 and TRANSFERRED_AIM_IND = 0) has a FULLY_FUNDED_RATE_TYPE of ‘Adult LR Transitional’ then the FULLY_FUNDED_RATE = LRM_RATE_TRANSITIONAL_FULLY_FUNDED from the PIMS lookup.

Otherwise, if at least one aim record for this learner (where SLN_START_ = 1 and TRANSFERRED_AIM_IND = 0) has a FULLY_FUNDED_RATE_TYPE of ‘Adult LR National’ then the FULLY_FUNDED_RATE = LRM_RATE from the National Rate lookup.
**SLN_START_PERIOD** and **SLN_START_YEAR**:

If at least one aim record for this learner (where SLN_START = 1 and TRANSFERRED_AIM_IND = 0) has a DLF_FUNDING_MODEL ‘16-18 Learner Responsive’ then the SLN_START_PERIOD and SLN_START_YEAR for the entitlement record is set to the earliest value of (SLN_START_PERIOD and SLN_START_YEAR) of the aims where SLN_START = 1 and TRANSFERRED_AIM_IND = 0 and DLF_FUNDING_MODEL is ‘16-18 Learner Responsive’

Otherwise, the SLN_START_PERIOD and SLN_START_YEAR for the entitlement record is set to the earliest value of (SLN_START_PERIOD and SLN_START_YEAR) of the aims where SLN_START = 1 and TRANSFERRED_AIM_IND = 0.

This entitlement output record is used in the following sections: 3.5, 3.6, section 7, section 8, section 9.
3.3 Calculate Uncapped Standard Learner Number (Employer Responsive and Learner Responsive models)

3.3.1 Determine the LAD dataset

Input: A04 Dataset identifier (ILR)
      DLF_FUNDING_MODEL (2.1)
Output: \textbf{LAD\_ANNUAL\_VALUES\_DATASET} = ER\_AV or
        \textbf{LAD\_ANNUAL\_VALUES\_DATASET} = 16-18\_LR\_AV or
        \textbf{LAD\_ANNUAL\_VALUES\_DATASET} = ADULT\_LR\_AV or
        \textbf{LAD\_ANNUAL\_VALUES\_DATASET} = FRAMEWORK\_AV

Where the aims is an entitlement record calculated in section 3.2.3 leave the LAD\_ANNUAL\_VALUES\_DATASET blank.

Where A04 Dataset Identifier = 35 then LAD\_ANNUAL\_VALUES\_DATASET = FRAMEWORK\_AV

Else:

If DLF\_FUNDING\_MODEL = 16-18 Learner Responsive then LAD\_ANNUAL\_VALUES\_DATASET = 16-18\_LR\_AV or,

If DLF\_FUNDING\_MODEL = Adult Learner Responsive then LAD\_ANNUAL\_VALUES\_DATASET = ADULT\_LR\_AV or,

If DLF\_FUNDING\_MODEL = Employer Responsive then LAD\_ANNUAL\_VALUES\_DATASET = ER\_AV
3.3.2 Determine Framework Base SLN Value

Only required where LAD_ANNUAL_VALUES_DATASET = FRAMEWORK_AV.

Input:  
- DLF_FUNDING_MODEL (2.1)
- LAD_ANNUAL_VALUES_DATASET (3.3.1)
- LAD lookup
- Parameters lookup for GLH_TO_SLN_DIVISOR (10.9)

Output: FRAMEWORK_BASE_SLN_VALUE

Where DLF_FUNDING_MODEL is Employer Responsive then FRAMEWORK_BASE_SLN_VALUE equals the value from Framework_Element_SLN. Where this value is null use zero.

Where DLF_FUNDING_MODEL is 16-18 Learner Responsive or Adult Learner Responsive then:
- use the value from Framework_Element_SLN_GLH
- Set to zero if null
- Divide by ‘GLH to SLN Divisor’ lookup to obtain FRAMEWORK_BASE_SLN_VALUE

3.3.3 Determine Employer Responsive Base SLN Value (Employer Responsive model only)

Only required where LAD_ANNUAL_VALUES_DATASET = ER_AV.

Input:  
- A18 Main Delivery Method (ILR)
- LAD_ANNUAL_VALUES_DATASET (3.3.1)
- DLF_PROG_TYPE (2.2)
- A18 lookup for LISTED_SLN (10.10)
- LAD lookup

Output: ER_BASE_SLN_VALUE

Where DLF_PROG_TYPE is Apprenticeship then ER_BASE_SLN_VALUE equals the value of SLN_APPRENTICESHIP_1 from LAD.

Otherwise:
- Where the A18 lookup for LISTED_SLN equals 1 then ER_BASE_SLN_VALUE equals the value of SLN_EMP_RESP_1
- Where the A18 lookup for LISTED_SLN equals 2 then ER_BASE_SLN_VALUE equals the value of SLN_EMP_RESP_2
3.3.4 Determine 16-18 and Adult Learner Responsive Base SLN Values (Learner Responsive model only)

Only required where LAD_ANNUAL_VALUES_DATASET = 16-18_LR_AV or ADULT_LR_AV.

3.3.4.1 Determine if LAD Listed SLN Value Exists

**Step 1: determine if LAD listed SLN value exists**

**Input:**
- LAD_ANNUAL_VALUES_DATASET (3.3.1)
- LAD lookup

**Output:**
- LR_LAD_LISTED = 1
- LR_LAD_LISTED = 0

If the ANNUAL_VALUES_DATASET = 16-18_LR_AV then (if SLN_GLH_1618_1 is not null then set LR_LAD_LISTED = 1 else LR_LAD_LISTED = 0).

If the ANNUAL_VALUES_DATASET = ADULT_LR_AV then (if SLN_GLH_ADULT_1 is not null then set LR_LAD_LISTED = 1 else LR_LAD_LISTED = 0).

Note, if SLN_GLH_1618_1 or SLN_GLH_ADULT_1 are zero then LR_LAD_LISTED is set to 1 and later steps will determine that the listed SLN value is zero.

**Step 2: deal with LAD listed rates of zero**

**Input:**
- LAD_ANNUAL_VALUES_DATASET (3.3.1)
- LR_LAD_LISTED (step 1)
- LAD lookup

**Output:**
- LR_BASE_SLN_VALUE
- LR_BASE_SLN_SOURCE

If LR_LAD_LISTED = 1 and LAD_ANNUAL_VALUES_DATASET = ADULT_LR_AV and SLN_GLH_ADULT_1 = 0 then LR_BASE_SLN_VALUE = 0 and LR_BASE_SLN_SOURCE = ‘Adult_zero_listed’ and go to 3.3.5.

If LR_LAD_LISTED = 1 and LAD_ANNUAL_VALUES_DATASET = 16-18_LR_AV and SLN_GLH_1618_1 = 0 then LR_BASE_SLN_VALUE = 0 and LR_BASE_SLN_SOURCE = ‘1618_zero_listed’ and go to 3.3.5.
3.3.4.2 Distance Learning

Input:  
A20 Re-take (ILR)
A52 Distance learning SLN (ILR)
A18 Main delivery method (ILR)
LAD_ANNUAL_VALUES_DATASET (3.3.1)
A18 lookup for DISTANCE_LEARNING (see 10.10)
A20 lookup (see 10.23)
LAD lookup

Output:  
LR_BASE_SLN_VALUE
LR_BASE_SLN_SOURCE

If the A18 lookup does not equal ‘Y’ then continue to 3.3.4.3, otherwise:

If the A20 lookup equals ‘Y’ then:
(If A52 > 0 then LR_BASE_SLN_VALUE equals the value of A52 and LR_BASE_SLN_SOURCE = ‘A52_Retake’
Else, set LR_BASE_SLN_SOURCE to ‘Unlisted_(DL_retake_no_A52)’ and go to 3.3.4.8 Unlisted Qualifications.)

If the A20 lookup does not equal ‘Y’ then:
(if LR_LAD_LISTED = 1 then continue to 3.3.4.4, otherwise if LR_LAD_LISTED <> 1 then (if A52 > 0 set
the LR_BASE_SLN_VALUE = the value of A52 and LR_BASE_SLN_SOURCE = ‘A52’, else if A52 is
null/zero then LR_BASE_SLN_SOURCE = ‘unlisted_(DL_no_A52)’ and go to 3.3.4.8 Unlisted
Qualifications.))

3.3.4.3 Re-takes

Input:  
A20 Re-take (ILR)
A20 lookup (see 10.23)

Output:  
LR_BASE_SLN_SOURCE

If the A20 lookup equals ‘Y’ then set LR_BASE_SLN_SOURCE = ‘Unlisted_(Retake)’ and go to 3.3.4.8
Unlisted Qualifications.
3.3.4.4 Occupational Qualifications

Input:
- A18 Main delivery method (ILR)
- AIM_ANNUAL_PLANNED_GLH (3.2.2)
- LAD_ANNUAL_VALUES_DATASET (3.3.1)
- LR_LAD_LISTED (3.3.4.1)
- TOTAL_PLANNED_NUMBER_OF_DAYS (2.8)
- A18 lookup for LISTED_SLN (10.10)
- LAD lookup
- Occupational Qualifications lookup (10.24)
- Parameters lookup for OQ_ACCHE_LISTED_GLH_THRESHOLD (10.9)
- Parameters lookup for OQ_2_YEAR_DAYS_THRESHOLD (10.9)
- Parameters lookup for GLH_TO_SLN_DIVISOR (10.9)

Output:
- LR_BASE_SLN_VALUE
- LR_BASE_SLN_SOURCE

If Occupational Qualifications lookup <> ‘Y’ then continue to 3.3.4.5.

If LR_LAD_LISTED <> 1 and LAD_ANNUAL_VALUES_DATASET equals ADULT_LR_AV then set LR_BASE_SLN_SOURCE = ‘OQ_Adult_LR_unlisted’ and go to 3.3.4.8 Unlisted Qualifications.

If LR_LAD_LISTED <> 1 and LAD_ANNUAL_VALUES_DATASET equals 16-18_LR_AV then set LR_BASE_SLN_SOURCE = ‘OQ_1618_LR_unlisted’ and go to 3.3.4.8 Unlisted Qualifications.

If LAD_ANNUAL_VALUES_DATASET equals ADULT_LR_AV:
- (If A18 lookup = 1 and AIM_ANNUAL_PLANNED_GLH >=
  OQ_ACCH_E_LISTED_GLH_THRESHOLD then:
    (if TOTAL_PLANNED_NUMBER_OF_DAYS > OQ_2_YEAR_DAYS_THRESHOLD then
     LR_BASE_SLN_VALUE = (2 x SLN_GLH_ADULT_1/GLH_TO_SLN_DIVISOR) and
     LR_BASE_SLN_SOURCE = ‘OQ_Adult_LR_listed (2yr)’
    Otherwise, LR_BASE_SLN_VALUE = (SLN_GLH_ADULT_1/GLH_TO_SLN_DIVISOR) and
     LR_BASE_SLN_SOURCE = ‘OQ_Adult_LR_listed_(1yr)’)
   Otherwise set LR_BASE_SLN_SOURCE = ‘OQ_Adult_LR_unlisted’ and go to 3.3.4.8 Unlisted Qualifications.

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If LAD_ANNUAL_VALUES_DATASET = 16-18_LR_AV:

(If A18 lookup = 1 and AIM_ANNUAL_PLANNED_GLH >=
  OQ_ACHE_LISTED_GLH_THRESHOLD then:
    (if TOTAL_PLANNED_NUMBER_OF_DAYS > OQ_2_YEAR_DAYS_THRESHOLD then
      LR_BASE_SLN_VALUE = (2 x SLN_GLH_1618_1/GLH_TO_SLN_DIVISOR) and
      LR_BASE_SLN_SOURCE = ‘OQ_1618_LR_listed_1_(2yr)’
    Otherwise, LR_BASE_SLN_VALUE = (SLN_GLH_1618_1/GLH_TO_SLN_DIVISOR) and
      LR_BASE_SLN_SOURCE = ‘OQ_1618_LR_listed_1_(1yr)’)

(If A18 lookup = 2 then:
    (if TOTAL_PLANNED_NUMBER_OF_DAYS > OQ_2_YEAR_DAYS_THRESHOLD then
      LR_BASE_SLN_VALUE = (2 x SLN_GLH_1618_2/GLH_TO_SLN_DIVISOR) and
      LR_BASE_SLN_SOURCE = ‘OQ_1618_LR_listed_2_(2yr)’
    Otherwise, LR_BASE_SLN_VALUE = (SLN_GLH_1618_2/GLH_TO_SLN_DIVISOR) and
      LR_BASE_SLN_SOURCE = ‘OQ_1618_LR_listed_2_(1yr)’)

(If A18 lookup = 3 then:
    (if TOTAL_PLANNED_NUMBER_OF_DAYS > OQ_2_YEAR_DAYS_THRESHOLD then
      LR_BASE_SLN_VALUE = (2 x SLN_GLH_1618_3/GLH_TO_SLN_DIVISOR) and
      LR_BASE_SLN_SOURCE = ‘OQ_1618_LR_listed_3_(2yr)’
    Otherwise, LR_BASE_SLN_VALUE = (SLN_GLH_1618_3/GLH_TO_SLN_DIVISOR) and
      LR_BASE_SLN_SOURCE = ‘OQ_1618_LR_listed_3_(1yr)’)

Otherwise set LR_BASE_SLN_SOURCE = ‘OQ_1618_LR_unlisted’ and go to 3.3.4.8 Unlisted Qualifications.
3.3.4.5 Access to HE

Input:  
AIM_ANNUAL_PLANNED_GLH (3.2.2)  
LAD_ANNUAL_VALUES_DATASET (3.3.1)  
LR_LAD_LISTED (3.3.4.1)  
Access to HE lookup (10.25)  
LAD lookup  
Parameters lookup for OQ_ACHE_LISTED_GLH_THRESHOLD (10.9)  
Parameters lookup for GLH_TO_SLN_DIVISOR (10.9)

Output:  
LR_BASE_SLN_SOURCE  
LR_BASE_SLN_VALUE

If Access to HE lookup <> ‘1’ then continue to 3.3.4.6.

If LR_LAD_LISTED <> 1 and LAD_ANNUAL_VALUES_DATASET = ADULT_LR_AV then set LR_BASE_SLN_SOURCE to ‘Acche_Adult_LR_unlisted’ and go to 3.3.4.8 Unlisted Qualifications.

If LR_LAD_LISTED <> 1 and LAD_ANNUAL_VALUES_DATASET = 16-18_LR_AV then set LR_BASE_SLN_SOURCE to ‘Acche_1618_LR_unlisted’ and go to 3.3.4.8 Unlisted Qualifications.

If AIM_ANNUAL_PLANNED_GLH < OQ_ACHE_LISTED_GLH_THRESHOLD then set LR_BASE_SLN_SOURCE to ‘Acche_unlisted’ and go to 3.3.4.8 Unlisted Qualifications.

Otherwise, if LAD_ANNUAL_VALUES_DATASET = ADULT_LR_AV then LR_BASE_SLN_VALUE = (SLN_GLH_ADULT_1/ GLH_TO_SLN_DIVISOR) and the LR_BASE_SLN_SOURCE = ‘Acche_Adult_LR_listed’.

Otherwise, if LAD_ANNUAL_VALUES_DATASET = 16-18_LR_AV then LR_BASE_SLN_VALUE = (SLN_GLH_1618_1/ GLH_TO_SLN_DIVISOR) and the LR_BASE_SLN_SOURCE = ‘Acche_1618_LR_listed’.
3.3.4.6 GCE/GCSE Qualifications

**Input:**

- A17 Delivery mode (ILR)
- LAD\_ANNUAL\_VALUES\_DATASET (3.3.1)
- LR\_LAD\_LISTED (3.3.4.1)
- A17 Evening delivery lookup (10.26)
- LAD lookup
- GCE/GCSE lookup (10.27)
- Parameters lookup for GLH\_TO\_SLN\_DIVISOR (10.9)

**Output:**

- LR\_BASE\_SLN\_VALUE
- LR\_BASE\_SLN\_SOURCE

If GCE/GCSE lookup <> ‘1’ then continue to 3.3.4.7.

If LR\_LAD\_LISTED <> 1 and LAD\_ANNUAL\_VALUES\_DATASET = ADULT\_LR\_AV then set LR\_BASE\_SLN\_SOURCE to ‘GCE/GCSE\_Adult\_LR\_unlisted’ and go to 3.3.4.8 Unlisted Qualifications.

If LR\_LAD\_LISTED <> 1 and LAD\_ANNUAL\_VALUES\_DATASET = 16-18\_LR\_AV then set LR\_BASE\_SLN\_SOURCE to ‘GCE/GCSE\_16-18\_LR\_unlisted’ and go to 3.3.4.8 Unlisted Qualifications.

If LAD\_ANNUAL\_VALUES\_DATASET = ADULT\_LR\_AV and the A17 Evening delivery lookup = 1 then
- LR\_BASE\_SLN\_VALUE = (SLN\_GLH\_ADULT\_2/ GLH\_TO\_SLN\_DIVISOR) and
- LR\_BASE\_SLN\_SOURCE = ‘GCE/GCSE\_Adult\_listed\_eve’.

If LAD\_ANNUAL\_VALUES\_DATASET = ADULT\_LR\_AV and the A17 Evening delivery lookup <> 1 then
- LR\_BASE\_SLN\_VALUE = (SLN\_GLH\_ADULT\_1/ GLH\_TO\_SLN\_DIVISOR) and
- LR\_BASE\_SLN\_SOURCE = ‘GCE/GCSE\_Adult\_listed\_day’.

If LAD\_ANNUAL\_VALUES\_DATASET = 1618\_LR\_AV and the A17 Evening delivery lookup = 1 then
- LR\_BASE\_SLN\_VALUE = (SLN\_GLH\_1618\_2/ GLH\_TO\_SLN\_DIVISOR) and
- LR\_BASE\_SLN\_SOURCE = ‘GCE/GCSE\_16-18\_listed\_eve’.

If LAD\_ANNUAL\_VALUES\_DATASET = 1618\_LR\_AV and the A17 Evening delivery lookup <> 1 then
- LR\_BASE\_SLN\_VALUE = (SLN\_GLH\_1618\_1/ GLH\_TO\_SLN\_DIVISOR) and
- LR\_BASE\_SLN\_SOURCE = ‘GCE/GCSE\_16-18\_listed\_day’.
3.3.4.7 Other Listed Qualifications

If the LR_BASE_SLN_VALUE has not been set by sections 3.3.4.2 through to 3.3.4.6 then this section applies. Note that if the LR_BASE_SLN_VALUE has been set to zero by one of these sections then this section is not required and the value will remain at zero.

Input: 
- LAD_ANNUAL_VALUES_DATASET (3.3.1)
- LR_LAD_LISTED (3.3.4.1)
- LAD lookup
- Parameters lookup for GLH_TO_SLN_DIVISOR (10.9)

Output: 
- LR_BASE_SLN_VALUE
- LR_BASE_SLN_SOURCE

If LR_LAD_LISTED = 0 then set LR_BASE_SLN_SOURCE to ‘Unlisted (Other)’ and go to 3.3.4.8.

If LAD_ANNUAL_VALUES_DATASET = ADULT_LR_AV then LR_BASE_SLN_VALUE = (SLN_GLH_ADULT_1 / GLH_TO_SLN_DIVISOR) and LR_BASE_SLN_SOURCE = ‘Other_Adult_listed’.

If LAD_ANNUAL_VALUES_DATASET = 1618_LR_AV then LR_BASE_SLN_VALUE = (SLN_GLH_1618_1 / GLH_TO_SLN_DIVISOR) and LR_BASE_SLN_SOURCE = ‘Other_16-18_listed’.

3.3.4.8 Unlisted Qualifications

If the LR_BASE_SLN_VALUE has not been set by sections 3.3.4.2 through to 3.3.4.7 then this section applies. Note that if the LR_BASE_SLN_VALUE has been set to zero by one of these sections then this section is not required and the value will remain at zero.

Input: 
- A32 Guided learning hours (ILR)
- Parameters lookup for GLH_TO_SLN_DIVISOR (10.9)
- Parameters lookup for UNLISTED_GLH_MIN (10.9)

Output: 
- LR_BASE_SLN_VALUE

If A32 Guided learning hours >= UNLISTED_GLH_MIN set LR_BASE_SLN_VALUE = (A32 Guided learning hours/ GLH_TO_SLN_DIVISOR) else LR_BASE_SLN_VALUE = 0.
3.3.5 Identify Base SLN Value

This rule is used to determine the Base SLN value to be used in the cash calculation.

Input:  
- ER_BASE_SLN_VALUE (3.3.3)
- FRAMEWORK_BASE_SLN_VALUE (3.3.2)
- LR_BASE_SLN_VALUE (3.3.4)
- LAD_ANNUAL_VALUES_DATASET (3.3.1)

Output:  
- BASE_SLN_VALUE

Where LAD_ANNUAL_VALUES_DATASET = ER_AV then set BASE_SLN_VALUE = ER_BASE_SLN_VALUE
Where LAD_ANNUAL_VALUES_DATASET = 16-18_LR_AV then set BASE_SLN_VALUE = LR_BASE_SLN_VALUE
Where LAD_ANNUAL_VALUES_DATASET = ADULT_LR_AV then set BASE_SLN_VALUE = LR_BASE_SLN_VALUE
Where LAD_ANNUAL_VALUES_DATASET = FRAMEWORK_AV then set BASE_SLN_VALUE = FRAMEWORK_BASE_SLN_VALUE

3.3.6 Calculate Uncapped SLN

Input:  
- A51a_PROPORTION (2.12)
- BASE_SLN_VALUE (3.3.5)
- MOD_DISCOUNT (2.15)
- SLN_ANNUAL_PROPORTION (3.2.1 or section 6.2)
- SLN_START (3.1.1)
- TRANSFERRED_AIM_IND (2.11)

Output:  
- AIM_SLN_UNCAPPED

Note, do not do for the entitlement record.

AIM_SLN_UNCAPPED = BASE_SLN_VALUE * SLN_ANNUAL_PROPORTION * SLN_START * (1 minus TRANSFERRED_AIM_IND) * A51a_PROPORTION * MOD_DISCOUNT

Go to 3.5.
3.4 Calculate E2E Uncapped SLN (Learner Responsive only)

This section only applies where DLF_PROG_TYPE is E2E.

3.4.1 Count E2E Weeks and Allocate to Periods

Input:  
- A09 Learning aim reference (ILR)
- A27 Learning start date (ILR)
- A28 Learning planned end date (ILR)
- A31 Learning actual end date (ILR)
- Calendar lookup (10.6)
- E2E lookup for PROGRAMME (10.29)

Output:  
- E2E_WEEKS_Px (where x = 1 to 12 i.e. there are 12 occurrences)

If the E2E lookup for the Programme does not return 1 then go to section 3.5, otherwise:

Calculate the number of E2E weeks in learning for this aim for every period (from 1 to 12) within the current funding year:

- Determine the later of the A27 Learning start date or the first day of that period.
- Determine the earlier of the A31 Actual end date (if A31 Learning actual end date is null then use the latter of A28 Learning planned end date or the Reference Date of the ILR return shown in table 10.37) or the last day of that period.
- Count the number of Mondays between the two dates including the end points (if either or both are on a Monday) and assign this to E2E_WEEKS_Px.
3.4.2 Determine Uncapped Qualification Bonus SLN

**Step 1: Determine Key Skills/Functional Skills exceptions**

**Input:**
- Key Skills/Functional Skills lookup (10.31)
- LAD lookup
- Skills for Life lookup (10.32)

**Output:** KS_FS_EXCEPTION

- Determine the KEY_SKILLS_FUNC_SKILLS_IND from the Key Skills/Functional Skills lookup (using the LAD Learning Aim Type).
- Determine the ENG_MATHS_IND from the Skills for Life lookup (using the LAD Skills for Life Type).
- If the KEY_SKILLS_FUNC_SKILLS_IND equals 1 and the ENG_MATHS_IND does not equal 1 (could be null or zero) then KS_FS_EXCEPTION is set to 1.

**Step 2: Determine level of achievement for Entry Level aims**

**Input:**
- A36 Learning outcome grade (ILR)
- A36 SFL E3 Grade lookup (10.34)

**Output:** SFL_E3_GRADE

- Determine the SF3_E3_GRADE_IND from the A36 SFL E3 Grade lookup (using the A36 Learning outcome grade) and set SFL_E3_GRADE to ‘1’ if SF3_E3_GRADE_IND = 1, otherwise set SFL_E3_GRADE to ‘0’.
Step 3: Determine eligibility of aim for qualification bonus

Input: A09 Learning aim reference (ILR)
      ACHIEVER (2.5)
      KS_FS_EXCEPTION (step 1)
      SFL_E3_GRADE (step 2)
      E2E lookup for BONUS (10.29)
      LAD lookup
      LSC Funding Status lookup for SECTION_96_97_APPROVED_IND (10.25)
      Notional NVQ Level/E2E Bonus lookup for BONUS (10.30)
      Skills for Life Target lookup (10.33)

Output: QUAL_BONUS_CRITERIA

An aim is eligible for an enhanced qualification bonus and should have a QUAL_BONUS_CRITERIA set to 2 if ACHIEVER = 1 and at least one of the following applies:

- If E2E lookup for BONUS returns 2
- If the LSC Funding Status lookup returns 1 and the Notional NVQ Level/E2E Bonus lookup returns a BONUS of 2 (using Notional NVQ Level and KS_FS_Exception and SFL_E3_GRADE to perform the lookup)

If the QUAL_BONUS_CRITERIA has not been set to 2, then an aim is eligible for a basic qualification bonus and should have a QUAL_BONUS_CRITERIA set to 1 if ACHIEVER = 1 and at least one of the following applies:

- If E2E lookup for BONUS returns 1
- If the LSC Funding Status lookup returns 1 and the Notional NVQ Level/E2E Bonus lookup returns a BONUS of 1 (using Notional NVQ Level and KS_FS_Exception and SFL_E3_GRADE to perform the lookup)
- If the SKILLS_FOR_LIFE_TARGET_IND returns 1

If the QUAL_BONUS_CRITERIA has not been set by the above then set to 0.
Step 4: Determine earliest E2E qualification achieving enhanced bonus

Input: A31 Learning actual end date (ILR)
       QUAL_BONUS_CRITERIA (step 2)
Output: QUAL_BONUS_EARLIEST_ENHANCED_DATE
        QUAL_BONUS_EARLIEST_BASIC_DATE

NB To avoid the need to make in-year changes to views and tables in LIS, OLDC, MI Views and any Provider systems using the LIS data, these Output variables should not be added to the outputs from the 2008/09 calculation, but should be included in 2009/10 if this calculation is still included.

Calculation:

For all aims for this learner, determine the aim with the lowest A31 Learning actual end date where QUAL_BONUS_CRITERIA = 1.

Set QUAL_BONUS_EARLIEST_BASIC_DATE to this value of A31

Otherwise, if there are no aims for this learner with QUAL_BONUS_CRITERIA = 1, set QUAL_BONUS_EARLIEST_BASIC_DATE to Null

For all aims for this learner, determine the aim with the lowest A31 Learning actual end date where QUAL_BONUS_CRITERIA = 2.

Set QUAL_BONUS_EARLIEST_ENHANCED_DATE to this value of A31

Otherwise, if there are no aims for this learner with QUAL_BONUS_CRITERIA = 2, set QUAL_BONUS_EARLIEST_ENHANCED_DATE to Null

Step 5: Determine E2E qualification bonus uncapped SLN, type and date

Input: A05 Learning aim dataset sequence (ILR)
       A31 Learning actual end date (ILR)
       QUAL_BONUS_CRITERIA (step 2)
       QUAL_BONUS_EARLIEST_ENHANCED_DATE (step 4)
       QUAL_BONUS_EARLIEST_BASIC_DATE (step 4)
       Calendar lookup (10.6)
       Parameters lookup for E2E_BASIC_BONUS_SLN_VALUE (10.9)
       Parameters lookup for E2E_ENHANCED_BONUS_SLN_VALUE (10.9)
       Parameters lookup for E2E_TO_UP_BONUS_SLN_VALUE (10.9)

Output: QUAL_BONUS_TYPE
        QUAL_BONUS_PERIOD
        QUAL_BONUS_FUNDING_YEAR
        QUAL_BONUS_SLN_UNCAPPED

For all aims for this learner, determine the aim with the lowest A31 Learning actual end date where QUAL_BONUS_CRITERIA equals 1. Where more than one aim meets the criteria and have the same A31 Learning actual end date then select the aim with the lowest A05 Learning aim dataset sequence. For the selected aim, set the following:

If QUAL_BONUS_EARLIEST_ENHANCED_DATE is Null, or is greater than QUAL_BONUS_EARLIEST_BASIC_DATE, then:
• QUAL_BONUS_TYPE = 'Basic Qual Bonus'

• QUAL_BONUS_PERIOD to the month of A31 Learning actual end date

• QUAL_BONUS_FUNDING_YEAR to the year of A31 Learning actual end date

If A31 Learning actual end date is within the current funding year then set:

• QUAL_BONUS_SLN_UNCAPPED = E2E_BASIC_BONUS_SLN_VALUE

For all aims for this learner, determine the aim with the lowest A31 Learning actual end date where QUAL_BONUS_CRITERIA = 2. Where more than one aim meets the criteria and have the same A31 Learning actual end date then select the aim with the lowest A05 Learning aim dataset sequence. For the selected aim, set the following:

• QUAL_BONUS_PERIOD to the month of A31 Learning actual end date

• QUAL_BONUS_FUNDING_YEAR to the year of A31 Learning actual end date

If QUAL_BONUS_TYPE has already been set to ‘Basic Qual Bonus’ for one of the aims for this learner then:

• QUAL_BONUS_TYPE = ‘Top Up Qual Bonus’

If A31 Learning actual end date is within the current funding year then set:

• QUAL_BONUS_SLN_UNCAPPED = E2E_TOP_UP_BONUS_SLN_VALUE

If QUAL_BONUS_TYPE has not already been set to ‘Basic Qual Bonus’ for one of the aims for this learner then:

• QUAL_BONUS_TYPE = ‘Enhanced Qual Bonus’

If A31 Learning actual end date is within the current funding year then set:

• QUAL_BONUS_SLN_UNCAPPED = E2E_ENHANCED_BONUS_SLN_VALUE
3.4.3 Determine Uncapped Progression Bonus SLN

Input: A09 Learning aim reference (ILR)
       A31 Learning actual end date (ILR)
       A50 Reason learning ended (ILR)
       Calendar lookup (10.6)
       A50 E2E Progression Bonus lookup (10.35)
       E2E lookup for PROGRAMME (10.29)
       Parameters lookup for E2E_BASIC_BONUS_SLN_VALUE (10.9)
       Parameters lookup for E2E_ENHANCED_BONUS_SLN_VALUE (10.9)

Output: PROG_BONUS_TYPE
        PROG_BONUS_PERIOD
        PROG_BONUS_FUNDING_YEAR
        PROG_BONUS_SLN_UNCAPPED

If the E2E lookup for PROGRAMME does not return 1 then go to section 3.4.4, otherwise:

If the A50 E2E Progression Bonus lookup returns 1 then:
  • PROG_BONUS_TYPE = ‘Basic Prog Bonus’
  • PROG_BONUS_PERIOD to the month of A31 Learning actual end date
  • PROG_BONUS_FUNDING_YEAR to the year of A31 Learning actual end date

  If A31 Learning actual end date is within the current funding year then set:
  • PROG_BONUS_SLN_UNCAPPED = E2E_BASIC_BONUS_SLN_VALUE

If the A50 E2E Progression Bonus lookup returns 2 then:
  • PROG_BONUS_TYPE = ‘Enhanced Prog Bonus’
  • PROG_BONUS_PERIOD to the month of A31 Learning actual end date
  • PROG_BONUS_FUNDING_YEAR to the year of A31 Learning actual end date

  If A31 Learning actual end date is within the current funding year then set:
  • PROG_BONUS_SLN_UNCAPPED = E2E_ENHANCED_BONUS_SLN_VALUE
3.4.4 Calculate Aim SLN Uncapped

Input: E2E_WEEKS_Px (3.4.1)
       PROG_BONUS_SLN_UNCAPPED (3.4.3)
       QUAL_BONUS_SLN_UNCAPPED (3.4.2)
       Parameter for E2E Weekly SLN Value lookup (10.9)

Output: AIM_SLN_UNCAPPED

For each aim:

AIM_SLN_UNCAPPED = (Sum (E2E_WEEKS_Px) x E2E Weekly SLN Value) +
                   PROG_BONUS_SLN_UNCAPPED + QUAL_BONUS_SLN_UNCAPPED
3.5 Calculate SLN (Employer Responsive and Learner Responsive)

This section applies to all learners (including E2E).

3.5.1 Calculate Cap Factor for SLN

**Step 1: aggregate aim SLN uncapped to learner level**

Input:  
AIM_SLN_UNCAPPED (3.3.6 and 3.2.3)

Output:  
LEARNER_SLN_UNCAPPED

LEARNER_SLN_UNCAPPED = sum of AIM_SLN_UNCAPPED for the learner (including the entitlement output record)

**Step 2: calculate cap factor**

Input:  
LEARNER_SLN_UNCAPPED (Step 1)
Parameters lookup for CAP_LEVEL (10.9)

Output:  
CAP_FACTOR

If LEARNER_SLN_UNCAPPED <= CAP_LEVEL then the CAP_FACTOR = 1
Otherwise CAP_FACTOR = CAP_LEVEL/LEARNER_SLN_UNCAPPED

3.5.2 Calculate Aim SLN

Input:  
AIM_SLN_UNCAPPED (3.3.6 and 3.2.3)
CAP_FACTOR (3.3.6)

Output:  
AIM_SLN

AIM_SLN = AIM_SLN_UNCAPPED * CAP_FACTOR

Note, this step should be done for all aim recordings including the entitlement output record.
3.6 Assign AIM_SLN to Periods (Learner Responsive (including E2E) only)

Only perform this section where DLF_FUNDING_MODEL = 16-18 Learner Responsive or Adult Learner Responsive

3.6.1 Assign AIM_SLN to Periods for non E2E

Inputs:  
- AIM_SLN (3.5.2)  
- DLF_PROG_TYPE (2.2)  
- SLN_START_PERIOD (3.1.1)  
- SLN_START_YEAR (3.1.1)

Output:  
LEARNER_RESPONSIVE_AIM_PERIOD.AIM_SLN

This section only applies where DLF_PROG_TYPE is not E2E. This section applies to the entitlement aim.

Assign the aim level AIM_SLN at aim period level to the start period/year. This will mean that all the AIM_SLN will be assigned to a single period for non E2E Learner Responsive aims.

Go to section 6.

3.6.2 Assign AIM_SLN to Periods for E2E

This section only applies where DLF_PROG_TYPE is E2E.

Step 1: Assign E2E Programme SLN to periods

Inputs:  
- CAP_FACTOR (3.5.1)  
- E2E_WEEKS_P (3.4.1)

Parameters lookup for E2E_WEEKLY_SLN_VALUE (10.9)

Output:  
LEARNER_RESPONSIVE_AIM_PERIOD.E2E_PROGRAMME_SLN

For each period \( x \):

\[
E2E_PROGRAMME_SLN = E2E_WEEKS_P \times E2E_WEEKLY_SLN_VALUE \times CAP_FACTOR
\]
Step 2: Assign E2E Bonus SLNs to periods

Inputs:  
- CAP_FACTOR (3.5.1)
- PROG_BONUS_PERIOD (3.4.3)
- PROG_BONUS_FUNDING_YEAR (3.4.3)
- PROG_BONUS_SLN_UNCAPPED (3.4.3)
- QUAL_BONUS_PERIOD (3.4.2)
- QUAL_BONUS_FUNDING_YEAR (3.4.2)
- QUAL_BONUS_SLN_UNCAPPED (3.4.2)

Output:  
LEARNER_RESPONSIVE_AIM_PERIOD.E2E_BONUS_SLN

If QUAL_BONUS_SLN_UNCAPPED > 0 then:
E2E_BONUS_SLN = QUAL_BONUS_SLN_UNCAPPED x CAP_FACTOR and this is assigned to the period of QUAL_BONUS_PERIOD and QUAL_BONUS_FUNDING_YEAR.

If PROG_BONUS_SLN_UNCAPPED > 0 then:
E2E_BONUS_SLN = PROG_BONUS_SLN_UNCAPPED x CAP_FACTOR and this is assigned to the period of PROG_BONUS_PERIOD and PROG_BONUS_FUNDING_YEAR. If a E2E_BONUS_SLN already exists in that period because a Qualification Bonus was earned then the two values are added together.

Step 3: Assign AIM_SLN to periods

Inputs:  
- E2E_BONUS_SLN
- E2E_PROGRAMME_SLN

Output:  
LEARNER_RESPONSIVE_AIM_PERIOD.AIM_SLN

For each period (where output is > 0):

AIM_SLN = E2E_BONUS_SLN + E2E_PROGRAMME_SLN

Go to section 6.
4. Calculate SLN Instalments (Employer Responsive only)

4.1 Determine Start for SLN Instalment Purposes

4.1.1 Identify Start Information

This rule is used to identify whether a learner has stayed on an aim long enough to generate SLN instalments.

Step 1: determine qualifying period days

Inputs: TOTAL_PLANNED_NUMBER_OF_DAYS (2.8)
Qualifying Period lookup (10.8)

Output: QUALIFYING_SLN_INST_PERIOD_DAYS = 1 or,
QUALIFYING_SLN_INST_PERIOD_DAYS = 14 or,
QUALIFYING_SLN_INST_PERIOD_DAYS = 42

Step 2: determine SLN instalment start indicator

Input: A35 Learning outcome (ILR)
ACTUAL_NUMBER_OF_DAYS (2.10)
QUALIFYING_SLN_INST_PERIOD_DAYS (step 1)
Learning Outcome Achievement lookup (10.5)
Calendar lookup (10.6)

Output: SLN_INST_START = 0 (not qualified as a starter for funding)
SLN_INST_START = 1 (qualified as a starter for funding)

- If ACTUAL_NUMBER_OF_DAYS >= QUALIFYING_SLN_INST_PERIOD_DAYS then set SLN_INST_START = 1 or,
- If the Learning Outcome Achievement lookup equals ‘Y’ then set SLN_INST_START = 1
- Otherwise SLN_INST_START = 0
Step 3: determine starting period of SLN Instalment

This is only required where SLN_INST_START = 1.

Input:  
A27 Learning start date (ILR)  
SLN_INST_START (Step 2)  
Calendar lookup (see 3.6 below)

Output:  
SLN_INST_START_PERIOD  
SLN_INST_START_YEAR

A learner is determined to have started an aim/programme in month n, if the following is true:
The learner started on or after the first day of the month AND on or before the last day of the month.
4.2 SLN Instalment & Achievement (Employer Responsive model only)

4.2.1 Determine Month of Final Planned Instalment

This only applies where SLN_INST_START = 1

Input:  
A27 Learning start date (ILR)  
A28 Learning planned end date (ILR)  
SLN_INST_START (4.1.1)  
Calendar lookup (10.6)

Output:  
FINAL_PLANNED_SLN_INST_PERIOD  
FINAL_PLANNED_SLN_INST_FUNDING_YEAR

If A28 Learning planned end date is the last day of a month then:
- FINAL_PLANNED_SLN_INST_PERIOD equals the period of A28 Learning planned end date.
- FINAL_PLANNED_SLN_INST_FUNDING_YEAR equals the year of the period of A28 Learning planned end date.

If A28 Learning planned end date is in the same month and year as A27 Learning start date:
- FINAL_PLANNED_SLN_INST_PERIOD equals the period of A28 Learning planned end date.
- FINAL_PLANNED_SLN_INST_FUNDING_YEAR equals the year of the period of A28 Learning planned end date.

Otherwise:
- FINAL_PLANNED_SLN_INST_PERIOD equals the period before A28 Learning planned end date.
- FINAL_PLANNED_SLN_INST_FUNDING_YEAR equals the year of the period before A28 Learning planned end date.
4.2.2 Determine Month of Final Actual Instalment

This only applies where SLN_INST_START = 1

Input:  
A27 Learning start date (ILR)  
A28 Learning planned end date (ILR)  
A31 Learning actual end date (ILR)  
FINAL_PLANNED_SLN_INST_PERIOD (4.2.1)  
FINAL_PLANNED_SLN_INST_FUNDING_YEAR (4.2.1)  
SLN_INST_START (4.1.1)

Calendar lookup (10.6)

Output:  
FINAL_ACTUAL_SLN_INST_PERIOD  
FINAL_ACTUAL_SLN_INST_FUNDING_YEAR

Where A31 Learning actual end date is zero or null or greater than or equal to A28 Learning planned end date, then FINAL_ACTUAL_SLN_INST_PERIOD equals FINAL_PLANNED_SLN_INST_PERIOD and FINAL_ACTUAL_SLN_INST_FUNDING_YEAR equals FINAL_PLANNED_SLN_INST_FUNDING_YEAR.

Otherwise:

If A31 Learning actual end date is the last day of a month then:

- FINAL_ACTUAL_SLN_INST_PERIOD equals the period of A31 Learning actual end date.
- FINAL_ACTUAL_SLN_INST_FUNDING_YEAR equals the year of the period of A31 Learning actual end date.

If A31 Learning actual end date is in the same month and year as A27 Learning start date:

- FINAL_ACTUAL_SLN_INST_PERIOD equals the period of A31 Learning actual end date.
- FINAL_ACTUAL_SLN_INST_FUNDING_YEAR equals the year of the period of A31 Learning actual end date.

Otherwise:

- FINAL_ACTUAL_SLN_INST_PERIOD equals the period before A31 Learning actual end date.
- FINAL_ACTUAL_SLN_INST_FUNDING_YEAR equals the year of the period before A31 Learning actual end date.
4.2.3 Calculate Planned Number of Periods

Only applies if SLN_INST_START = 1

Input:  
- SLN_INST_START (4.1.1)
- SLN_INST_STARTER_PERIOD (4.1.1)
- SLN_INST_STARTER_YEAR (4.1.1)
- FINAL_PLANNED_SLN_INST_PERIOD (4.2.1)
- FINAL_PLANNED_SLN_INST_FUNDING_YEAR (4.2.1)

Output:  
- PLANNED_NUMBER_OF.PERIODS

\[
\text{PLANNED\_NUMBER\_OF\_PERIODS} = (((\text{FINAL\_PLANNED\_SLN\_INST\_FUNDING\_YEAR} \text{minus} \text{SLN\_INST\_STARTER\_YEAR}) \times 12) \text{ plus} \ (\text{FINAL\_PLANNED\_SLN\_INST\_PERIOD} \text{minus} \text{SLN\_INST\_STARTER\_PERIOD})) \text{ plus} 1
\]

4.2.4 Identify Months for On Programme SLN Instalments

This rule is used to identify those aim records where the learner is eligible for an on programme SLN instalment each month.

Only applies if SLN_INST_START = 1

Input:  
- SLN_INST_STARTER_PERIOD (4.1.1)
- SLN_INST_STARTER_YEAR (4.1.1)
- FINAL_ACTUAL_SLN_INST_PERIOD (4.2.2)
- FINAL_ACTUAL_SLN_INST_FUNDING_YEAR (4.2.2)

Output:  
- P1…..P12 = 0 (not in learning that month)
- P1…..P12 = 1 (in learning that month)

(please note, there are 12 occurrences of this, one for each month)

For each period (P1 to P12) this year greater than or equal to the SLN_INST_STARTER_PERIOD/YEAR and less than or equal to the FINAL_ACTUAL_SLN_INST_PERIOD/YEAR set Px = 1.

Otherwise Px = 0.
4.2.5 Identify Monthly Proportion of SLN Instalment

This rule is used to calculate the proportion of SLN instalment applicable to each month.

Step 1: determine achievement element

Input: A04 Dataset identifier (ILR)
        APPRENTICESHIP_MAIN_AIM_IND (2.6)
        DLF_PROG_TYPE (2.2)

Parameters lookup for ACHIEVEMENT_ELEMENT (10.9)

Output: ACHIEVEMENT_ELEMENT

- If DLF_PROG_TYPE is not Apprenticeship then get ACHIEVEMENT_ELEMENT from Parameters lookup or
- If APPRENTICESHIP_MAIN_AIM_IND = ‘1’ then get ACHIEVEMENT_ELEMENT from Parameters lookup or
- If A04 Dataset Identifier = 35 then get ACHIEVEMENT_ELEMENT from Parameters lookup
- Otherwise ACHIEVEMENT_ELEMENT = 0

Step 2: calculate SLN instalment proportion

Input: ACHIEVEMENT_ELEMENT (Step 1)
        PLANNED_NUMBER_OF_PERIODS (4.2.3)

Output: SLN_INST_PROPORTION

SLN_INST_PROPORTION = \frac{(1 \ minus \ ACHIEVEMENT\_ELEMENT)}{(PLANNED\_NUMBER\_OF\_PERIODS + 1)}
4.2.6 Identify Outstanding Programme Payment Proportion

This rule is used to calculate proportion of SLN required to pay the balance of payments where a learner has achieved before the planned end date month.

**Step 1: determine number of SLN instalments paid**

Input:  
- SLN_INST_STARTER_PERIOD (4.1.1)  
- SLN_INST_STARTER_YEAR (4.1.1)  
- FINAL_ACTUAL_SLN_INST_PERIOD (4.2.2)  
- FINAL_ACTUAL_SLN_INST_FUNDING_YEAR (4.2.2)  
- Calendars lookup (10.6)

Output:  
- NUMBER_SLN_INSTS_PAID

\[ \text{NUMBER_SLN_INSTS_PAID} = (\text{FINAL_ACTUAL_SLN_INST_PERIOD and FINAL_ACTUAL_SLN_INST_FUNDING_YEAR}) \text{ minus} (\text{SLN_INST_STARTER_PERIOD and SLN_INST_STARTER_YEAR}) \text{ plus} 2 \]

Note, if the final actual period is the same as the start period then the number of instalments is 2.

**Step 2: calculate number of outstanding SLN instalments**

Input:  
- NUMBER_SLN_INSTS_PAID (Step 1)  
- PLANNED_NUMBER_OF_PERIODS (4.2.3)  
- SLN_INST_START (4.1.1)

Output:  
- NUMBER_OUTSTANDING_SLN_INSTS

Where SLN_INST_START = 0 then set NUMBER_OUTSTANDING_SLN_INSTS = 0,

Otherwise, \[ \text{NUMBER_OUTSTANDING_SLN_INSTS} = (\text{PLANNED_NUMBER_OF_PERIODS} \text{ plus} 1) \text{ minus} \text{NUMBER_SLN_INSTS_PAID} \]

**Step 3: calculate outstanding SLN instalment proportion**

Input:  
- NUMBER_OUTSTANDING_SLN_INSTS (Step 2)  
- SLN_INST_PROPORTION (4.2.5)

Output:  
- OUTSTANDING_SLN_INST_PROPORTION

\[ \text{OUTSTANDING_SLN_INST_PROPORTION} = \text{NUMBER_OUTSTANDING_SLN_INSTS} \times \text{SLN_INST_PROPORTION} \]
4.3 Calculate SLN Instalments for each Month
This rule is used to determine the SLN instalments to be used in the monthly cash calculation.

4.3.1 Calculate Base SLN Instalment Value

Input:  
- BASE_SLN_VALUE (3.3.5)
- MOD_DISCOUNT (2.15)
- SLN_INST_START (4.1.1)

Output:  
- BASE_SLN_INST_VALUE

\[
BASE\_SLN\_INST\_VALUE = BASE\_SLN\_VALUE \times SLN\_INST\_START \times MOD\_DISCOUNT
\]

4.3.2 Perform Transitional Calculations?

Input:  
- TRANSITIONAL_ARRANGEMENT_FUNDING_STREAM (2.16)

Where TRANSITIONAL_ARRANGEMENT_FUNDING_STREAM is TTG or FE_NVQ then go to section 5 and do not calculate 4.3.3, 4.3.4 and 4.3.5 but continue at section 6.
Otherwise continue to 4.3.3.

4.3.3 Calculate On Programme SLN Instalments for each Period this Year

Input:  
- A51a_PROPORTION (2.12)
- BASE_SLN_INST_VALUE (4.3.1)
- P (4.2.4)
- SLN_INST_PROPORTION (4.2.5)

Output:  
- ON_PROG_SLN_INST

\[
ON\_PROG\_SLN\_INST = BASE\_SLN\_INST\_VALUE \times SLN\_INST\_PROPORTION \times A51a\_PROPORTION \times P
\]

Where the period is the SLN_INST_START_PERIOD and SLN_INST_START_YEAR then multiply ON_PROG_SLN_INST by 2.
4.3.4 Calculate Achievement SLN Instalment for each Period this Year

Input:  
BASE_SLN_INST_VALUE (4.3.1)  
ACHIEVER (2.5)  
APPRENTICESHIP_MAIN_AIM_IND (2.6)  
ACHIEVEMENT_PERIOD (2.5)  
ACHIEVEMENT_FUNDING_YEAR (2.5)  
PROG_AIM_ACHIEVER (2.6)  
PROG_AIM_ACHIEVEMENT_PERIOD (2.6)  
PROG_AIM_ACHIEVEMENT_FUNDING_YEAR (2.6)  
Parameters lookup for ACHIEVEMENT_ELEMENT (10.9)

Output:  
ACH_SLN_INST

If APPRENTICESHIP_MAIN_AIM_IND = ‘1’ then:

ACH_SLN_INST = BASE_SLN_INST_VALUE x ACHIEVEMENT_ELEMENT x PROG_AIM_ACHIEVER x ACHIEVER

To be paid in the later of the period of month of PROG_AIM_ACHIEVEMENT_PERIOD and PROG_AIM_ACHIEVEMENT_FUNDING_YEAR and period of month of AIM_ACHIEVEMENT_PERIOD and AIM_ACHIEVEMENT_FUNDING_YEAR.

If APPRENTICESHIP_MAIN_AIM_IND = ‘0’ then:

ACH_SLN_INST = BASE_SLN_INST_VALUE x ACHIEVEMENT_ELEMENT x ACHIEVER

To be paid in the period of ACHIEVEMENT_PERIOD and ACHIEVEMENT_FUNDING_YEAR.

4.3.5 Calculate Balance SLN Instalment for each Period this Year

Input:  
A51a_PROPORTION (2.12)  
BASE_SLN_INST_VALUE (4.3.1)  
ACHIEVER (2.5)  
ACHIEVEMENT_PERIOD (2.5)  
ACHIEVEMENT_FUNDING_YEAR (2.5)  
OUTSTANDING_SLN_INST_PROPORTION (4.2.6)

Output:  
BAL_SLN_INST

BAL_SLN_INST = BASE_SLN_INST_VALUE x OUTSTANDING_SLN_INST_PROPORTION x ACHIEVER x A51a_PROPORTION

To be paid in the month of achievement.
5. Transitional Arrangements (Employer Responsive only)

To be developed as a separate standalone module that feeds into the main DLF funding calculation.

5.1 Transitional Categorisations

None specified.

5.2 Determine Transitional Start Proportion

5.2.1 Determine Transitional Start Proportion for TTG

This is the proportion of the base rate that has been paid prior to the start of the 2008/09 funding year based on the 2007/08 methodologies.

This section is performed where TRANSITIONAL_ARRANGEMENT_FUNDING_STREAM = TTG

Input:  
- L25 LSC number of funding LSC (ILR)
- TRANSITIONAL_ARRANGEMENT_FUNDING_STREAM (2.16)
- LAD lookup
- NES Start Proportion lookup (10.20)
- Transitional Parameters lookup (10.21)

Output: TRANS_START_PROPORTION

Where L25 LSC number of funding LSC is not equal to ‘002’ then obtain TRANS_START_PROPORTION from the Transitional Parameters lookup.

Otherwise, where L25 LSC number of funding LSC is ‘002’ then TRANS_START_PROPORTION is obtained from NES Start Proportion lookup as follows:

- If the LAD lookup SFL_FLAG = 1 then set TRANS_START_PROPORTION using the SKILLS_FOR_LIFE value,
- Else if the LAD lookup LEVEL = 2 then set TRANS_START_PROPORTION using NES_START_PROPORTION_LEVEL_2
- Else if the LAD lookup LEVEL = 3 then set TRANS_START_PROPORTION using NES_START_PROPORTION_LEVEL_3
- Else set TRANS_START_PROPORTION to zero.
5.2.2 Determine Transitional Start Proportion for FE NVQ

This is the proportion of the base rate that has been paid prior to the start of the 2008/09 funding year based on the 2007/08 methodologies.

This sections is performed where TRANSITIONAL ARRANGEMENT FUNDING STREAM = FE_NVQ

5.2.2.1 Exclude aims that have no funding remaining

Input:  
- A27 Learning start date (ILR)
- A28 Learning planned end date (ILR)
- A31 Learning actual end date (ILR)

Output:   TRANS_START_PROPORTION

Get the last census date of 0708 and first census date of 0809 using the census dates from the previous FE methodology that applied up to the end of 0708.

Where ((A28 Learning planned end date >= first census date 0809) or (A27 Learning start date > last census date 0708 and A28 Learning planned end date >= 1st August 2008)) and (A31 is null/zero or >= 1st August 2008) then continue to 5.2.2.2 otherwise set TRANS_START_PROPORTION to one and go to 5.3.

5.2.2.2 Calculate FE transitional start/end period and start/end funding year

Step 1: determine earliest census date on or after start date

Input:  A27 Learning start date (ILR)

Output: earliest census date on or after the start date

Use the census dates from the previous FE methodology that applied up to the end of 0708 to determine earliest census date on or after A27 Learning start date.
Step 2: determine start period and funding year for an aim that crosses a census date

Input
- A28 Learning planned end date (ILR)
- Earliest census date on or after start date (Step 1)
- FE Calendar lookup (10.22)

Output:
- `FE_TRANS_START_PERIOD`
- `FE_TRANS_START_FUNDING_YEAR`

To determine the start period/funding year:

If A28 Learning planned end date >= earliest census date on or after start date then set `FE_TRANS_START_PERIOD` and `FE_TRANS_START_FUNDING_YEAR` to the period and funding year relating to the earliest census date on or after start date and go to step 4.

Otherwise go to Step 3.

Step 3: determine start and end period/funding year for an aim that does not cross a census date

Input
- A27 Learning start date (ILR)
- A28 Learning planned end date (ILR)
- FE Calendar lookup (10.22)

Output:
- `FE_TRANS_START_PERIOD`
- `FE_TRANS_START_FUNDING_YEAR`
- `FE_TRANS_PLANNED_END_PERIOD`
- `FE_TRANS_PLANNED_END_FUNDING_YEAR`

If A27 Learning start date is <= an FE period start date <= A28 Learning planned end date then set `FE_TRANS_START_PERIOD`, `FE_TRANS_PLANNED_END_PERIOD`, `FE_TRANS_START_FUNDING_YEAR` and `FE_TRANS_PLANNED_END_FUNDING_YEAR` to the period and year relating to the FE period start date.

Otherwise set them to the period and funding year in which A27 Learning start date falls.

Go to 5.2.2.3
Step 4: determine latest census date on or before the planned end date

Input: A28 Learning planned end date (ILR)

Output: FE_TRANS_PLANNED_END_PERIOD
FE_TRANS_PLANNED_END_FUNDING_YEAR

Use the FE Calendar lookup to determine latest census date on or before the A28 Learning planned end date and set FE_TRANS_PLANNED_END_PERIOD and FE_TRANS_PLANNED_END_FUNDING_YEAR to the period and year of this census date.

5.2.2.3 Determine transitional start proportion

Input: FE_TRANS_START_PERIOD (5.2.2.2)
FE_TRANS_START_FUNDING_YEAR (5.2.2.2)
FE_TRANS_PLANNED_END_PERIOD (5.2.2.2)
FE_TRANS_PLANNED_END_FUNDING_YEAR (5.2.2.2)

Output: TRANS_START_PROPORTION

Let x = the period index (see FE Calendar lookup) of the last period in 0708
Let y = the period index of FE_TRANS_START_PERIOD/FUNDING_YEAR
Let z = the period index of FE_TRANS_PLANNED_END_PERIOD/FUNDING_YEAR

TRANS_START_PROPORTION = (x – y + 1)/(z – y + 1)

Set to zero where cannot be calculated or if result is negative.

Continue to 5.3.
5.3 Transitional SLN Instalment and Achievement

5.3.1 Calculate the Planned Number of Periods Remaining following 2007/08 (FE NVQ and TTG)

Input:  
FINAL_PLANNED_SLN_INST_PERIOD (4.2.1)  
FINAL_PLANNED_SLN_INST_FUNDING_YEAR (4.2.1)  
Transitional Parameters lookup for TRANS_START_YEAR (10.21)

Output:  
TRANS_PLANNED_NUMBER_PERIODS_REMAINING

TRANS_PLANNED_NUMBER_PERIODS_REMAINING =  
((FINAL_PLANNED_SLN_INST_FUNDING_YEAR – TRANS_START_YEAR) x 12) +  
FINAL_PLANNED_SLN_INST.PERIOD

Where the result is negative or zero then use one.
5.3.2 Calculate Transitional SLN Instalment Proportion (FE NVQ and TTG)

Step 1: calculate transitional achievement element

Input: ACHIEVEMENT_ELEMENT (4.2.5)
       TRANS_START_PROPORTION (5.2.2.1/5.2.2.3)

Output: TRANS_ACHIEVEMENT_ELEMENT

TRANS_ACHIEVEMENT_ELEMENT equals the lesser of ACHIEVEMENT_ELEMENT or (1 minus TRANS_START_PROPORTION)

Step 2: calculate transitional SLN instalment proportion

Input: P1 (4.2.4)
       TRANS_ACHIEVEMENT_ELEMENT (step 1)
       TRANS_PLANNED_NUMBER_PERIODS_REMAINING (5.3.1)
       TRANS_START_PROPORTION (5.2.2.1/5.2.2.3)

Output: TRANS_SLN_INST_PROPORTION

TRANS_SLN_INST_PROPORTION = (1 minus TRANS_ACHIEVEMENT_ELEMENT minus TRANS_START_PROPORTION) / (TRANS_PLANNED_NUMBER_PERIODS_REMAINING)

Where the result is negative use zero.
5.3.3 Identify Transitional Outstanding Programme Payment Proportion

This rule is used to calculate proportion of SLN required to pay the balance of payments where a learner has achieved before the planned end date month.

**Step 1: determine number of transitional SLN instalments paid**

Input:  
- FINAL_ACTUAL_SLN_INST_PERIOD (4.2.2)  
- FINAL_ACTUAL_SLN_INST_FUNDING_YEAR (4.2.2)  
  Calendars lookup (10.6)  
  Transitional Parameters lookup for TRANS_START_PERIOD (10.21)  
  Transitional Parameters lookup for TRANS_START_YEAR (10.21)  

Output:  
- NUMBER_TRANS_SLN_INSTS_PAID

\[
\text{NUMBER_TRANS_SLN_INSTS_PAID} = (\text{FINAL_ACTUAL_SLN_INST_PERIOD and FINAL_ACTUAL_SLN_INST_YEAR}) \text{ minus (TRANS_START_PERIOD and TRANS_START_YEAR)} \text{ plus 1}
\]

Where result is negative then use zero.

**Step 2: calculate number of outstanding transitional SLN instalments**

Input:  
- NUMBER_TRANS_SLN_INSTS_PAID (Step 1)  
- TRANS_PLANNED_NUMBER_PERIODS_REMAINING (5.3.1)

Output:  
- NUMBER_OUTSTANDING_TRANS_SLN_INSTS

\[
\text{NUMBER_OUTSTANDING_TRANS_SLN_INSTS} = \text{TRANS_PLANNED_NUMBER_PERIODS_REMAINING} \text{ minus NUMBER_TRANS_SLN_INSTS_PAID}
\]

Where result is negative then use zero.

**Step 3: calculate outstanding transitional SLN instalment proportion**

Input:  
- NUMBER_OUTSTANDING_TRANS_SLN_INSTS (Step 2)  
- TRANS_SLN_INST_PROPORTION (5.3.2)

Output:  
- OUTSTANDING_TRANS_SLN_INST_PROPORTION

\[
\text{OUTSTANDING_TRANS_SLN_INST_PROPORTION} = \text{NUMBER_OUTSTANDING_TRANS_SLN_INSTS \times TRANS_SLN_INST_PROPORTION}
\]
5.4 Calculate SLN Instalments for each Month
This rule is used to determine the SLN instalments to be used in the monthly cash calculation.

5.4.1 Calculate On Programme SLN Instalments for each Period this Year

Input:  
A51a_PROPORTION (2.12)  
BASE_SLN_INST_VALUE (4.3.1)  
P (4.2.4)  
TRANS_SLN_INST_PROPORTION (5.3.2)

Output:  
ON_PROG_SLN_INST

ON_PROG_SLN_INST = BASE_SLN_INST_VALUE \times TRANS_SLN_INST_PROPORTION \times A51a_PROPORTION \times P

5.4.2 Calculate Achievement SLN Instalments for each Period this Year

Input:  
BASE_SLN_INST_VALUE (4.3.1)  
ACHIEVER (2.5)  
APPRENTICESHIP_MAIN_AIM_IND (2.6)  
ACHIEVEMENT_PERIOD (2.5)  
ACHIEVEMENT_FUNDING_YEAR (2.5)  
PROG_AIM_ACHIEVER (2.6)  
PROG_AIM_ACHIEVEMENT_PERIOD (2.6)  
PROG_AIM_ACHIEVEMENT_FUNDING_YEAR (2.6)  
TRANS_ACHIEVEMENT_ELEMENT (5.3.2)

Output:  
ACH_SLN_INST

If APPRENTICESHIP_MAIN_AIM_IND = ‘1’ then:

ACH_SLN_INST = BASE_SLN_INST_VALUE \times TRANS_ACHIEVEMENT_ELEMENT \times PROG_AIM_ACHIEVER \times ACHIEVER

To be paid in the later of the period of month of PROG_AIM_ACHIEVEMENT_PERIOD and PROG_AIM_ACHIEVEMENT_FUNDING_YEAR and period of month of AIM_ACHIEVEMENT_PERIOD and AIM_ACHIEVEMENT_FUNDING_YEAR.

If APPRENTICESHIP_MAIN_AIM_IND = ‘0’ then:

ACH_SLN_INST = BASE_SLN_INST_VALUE \times TRANS_ACHIEVEMENT_ELEMENT \times ACHIEVER

To be paid in the period of ACHIEVEMENT_PERIOD and ACHIEVEMENT_FUNDING_YEAR.
5.4.3 Calculate Balance SLN Instalments for each Period this Year

Input:  
A51a_PROPORTION (2.12)  
BASE_SLN_INST_VALUE (4.3.1)  
ACHIEVER (2.5)  
ACHIEVEMENT_PERIOD (2.5)  
ACHIEVEMENT_FUNDING_YEAR (2.5)  
OUTSTANDING_TRANS_SLN_INST_PROPORTION (5.3.3)

Output:  
BAL_SLN_INST

\[ \text{BAL\_SLN\_INST} = \text{BASE\_SLN\_INST\_VALUE} \times \text{OUTSTANDING\_TRANS\_SLN\_INST\_PROPORTION} \times \text{ACHIEVER} \times \text{A51a\_PROPORTION} \]

To be paid in the month of achievement.

5.5 Go to section 7
6. Transitional Arrangements (Learner Responsive only)

6.1 Determine Transitional Start Proportion

6.1.1 Determine Transitional Start Proportion for FE

This is the proportion of the base rate that has been paid prior to the start of the 2008/09 funding year based on the 2007/08 methodologies.

This sections is performed where TRANSITIONAL_ARRANGEMENT_FUNDING_STREAM = FE

6.1.1.1 Exclude aims that have no funding remaining

Input: A27 Learning start date (ILR)
       A28 Learning planned end date (ILR)
       A31 Learning actual end date (ILR)
       FE Calendar lookup (10.22)

Output: TRANS_START_PROPORTION

Use FE Calendar lookup to get the last census date of 0708 and first census date of 0809 using the census dates from the previous FE methodology that applied up to the end of 0708.

Where ((A28 Learning planned end date >= first census date 0809) or (A27 Learning start date > last census date 0708 and A28 Learning planned end date >= 1st August 2008)) and (A31 is null/zero or >= 1st August 2008) then continue to 6.1.1.2 otherwise set TRANS_START_PROPORTION to one and go to 6.2.
6.1.1.2 Calculate FE transitional start/end period and start/end funding year

Step 1: determine earliest census date on or after start date

Input: A27 Learning start date (ILR)

FE Calendar lookup (10.22)

Output: earliest census date on or after the start date

Use FE Calendar lookup to determine earliest census date on or after A27 Learning start date.

Step 2: determine start period and funding year for an aim that crosses a census date

Input: A28 Learning planned end date (ILR)

Earliest census date on or after start date (Step 1)

FE Calendar lookup (10.22)

Output: FE_TRANS_START_PERIOD

FE_TRANS_START_FUNDING_YEAR

To determine the start period/funding year:

If A28 Learning planned end date >= earliest census date on or after start date then set 
FE_TRANS_START_PERIOD and FE_TRANS_START_FUNDING_YEAR to the period and funding 
year relating to the earliest census date on or after start date and go to step 4.

Otherwise go to Step 3.

Step 3: determine start and end period/funding year for an aim that does not cross a census date

Input: A27 Learning start date (ILR)

A28 Learning planned end date (ILR)

FE Calendar lookup (10.22)

Output: FE_TRANS_START_PERIOD

FE_TRANS_START_FUNDING_YEAR

FE_TRANS_PLANNED_END_PERIOD

FE_TRANS_PLANNED_END_FUNDING_YEAR

If A27 Learning start date is <= an FE period start date <= A28 Learning planned end date then set 
FE_TRANS_START_PERIOD, FE_TRANS_PLANNED_END_PERIOD, 
FE_TRANS_START_FUNDING_YEAR and FE_TRANS_PLANNED_END_FUNDING_YEAR to the 
period and year relating to the FE period start date.

Otherwise set them to the period and funding year in which A27 Learning start date falls.

Go to 6.1.1.3.
Step 4: determine latest census date on or before the planned end date

Input:  A28 Learning planned end date (ILR)
        FE Calendar lookup (10.22)
Output:  FE_TRANS_PLANNED_END_PERIOD
        FE_TRANS_PLANNED_END_FUNDING_YEAR

Use the FE Calendar lookup to determine latest census date on or before the A28 Learning planned end date and set FE_TRANS_PLANNED_END_PERIOD and FE_TRANS_PLANNED_END_FUNDING_YEAR to the period and year of this census date.

6.1.1.3 Determine transitional start proportion

Input:  FE_TRANS_START_PERIOD (6.1.1.2)
        FE_TRANS_START_FUNDING_YEAR (6.1.1.2)
        FE_TRANS_PLANNED_END_PERIOD (6.1.1.2)
        FE_TRANS_PLANNED_END_FUNDING_YEAR (6.1.1.2)
        FE Calendar lookup (10.22)
Output:  TRANS_START_PROPORTION

Let x = the period index (see FE Calendar lookup) of the last period in 0708
Let y = the period index of FE_TRANS_START_PERIOD/FUNDING_YEAR
Let z = the period index of FE_TRANS_PLANNED_END_PERIOD/FUNDING_YEAR

TRANS_START_PROPORTION = (x − y + 1)/(z − y + 1)

Set to zero where cannot be calculated or if result is negative.

Continue to 6.2.
6.2 Determine Transitional SLN Annual Proportion

Step 1: calculate planned number of days remaining following 2007/08

Input: A28 Learning planned end date (ILR)
Output: TRANS_PLANNED_NUMBER_DAYS_REMAINING

Calculate the total planned number of days remaining for this aim after 2007/08 as the difference, in days, between 01st August 2008 and the A28 Learning planned end date.

Calculate the number of days between the two dates, including the end date as a day.

A learner planned to end on 1st August 2008 counts as one day. A learner planned to end on 2nd August 2008 counts as two days and so on.

Step 2: calculate SLN annual proportion

Input: Completer (2.17)
PLANNED_NO_DAYS_AFTER_THIS_YEAR (3.2.1)
PLANNED_NUMBER_OF_DAYS_THIS_YEAR (2.7)
TRANS_PLANNED_NUMBER_DAYS_REMAINING (step 1)
TRANS_START_PROPORTION (6.1.1.3 or 6.1.1)

Output: SLN_ANNUAL_PROPORTION

If TRANS_PLANNED_NUMBER_DAYS_REMAINING equals 0 then set SLN_ANNUAL_PROPORTION to 0.

SLN_ANNUAL_PROPORTION = (1 - TRANS_START_PROPORTION) x (PLANNED_NUMBER_OF_DAYS_THIS_YEAR + (PLANNED_NO_DAYS_AFTER_THIS_YEAR * COMPLETER))/ TRANS_PLANNED_NUMBER_DAYS_REMAINING

Continue at 3.2.2.
7.Calculate Provider Factor

7.1 Calculate Provider Factor Weightings
Note, these should be run for the entitlement output record as well as the aim records.

7.1.1 Programme Weighting

Input:  
- A09 Learning Aim Reference (ILR)
- DLF_PROG_TYPE (2.2)
- LAD_ANNUAL_VALUES_DATASET (3.3.1)
- LAD lookup for Programme Weighting Factor
- Parameters lookup for PROGRAMME_WEIGHTING (10.9)
- Employer Programme Weighting lookup (10.11)
- Learner Programme Weighting lookup (10.12)
- PIMS lookup to determine SPECIALIST_RESOURCES

Output: PROGRAMME_WEIGHTING

If LAD_ANNUAL_VALUES_DATASET is Framework_AV then set PROGRAMME_WEIGHTING to the PROGRAMME_WEIGHTING from the Parameters lookup.

Otherwise, if LAD_ANNUAL_VALUES_DATASET is ER_AV and DLF_PROG_TYPE is Apprenticeship then get the LSC_APPRENTICESHIP_WGT_FACTOR_CODE from LAD and use this to obtain the EMPLOYER_PROGRAMME_WEIGHTING from the Employer Programme Weighting lookup.

Otherwise, if LAD_ANNUAL_VALUES_DATASET is ER_AV then get the LSC_EMP_RESP_WGT_FACTOR_CODE from LAD and use this to obtain the EMPLOYER_PROGRAMME_WEIGHTING from the Employer Programme Weighting lookup.

Otherwise, if LAD_ANNUAL_VALUES_DATASET is 16-18_LR_AV then get the LSC_LR_WGT_FACTOR_1618_CODE from LAD and use this to obtain the LEARNER_PROGRAMME_WEIGHTING from the Learner Programme Weighting lookup. If the SPECIALIST_RESOURCES flag indicates the provider is a Specialist Resource Provider then use SRP_LEARNER_PROGRAMME_WEIGHTING otherwise use LEARNER_PROGRAMME_WEIGHTING.

Otherwise, if LAD_ANNUAL_VALUES_DATASET is ADULT_LR_AV then get the LSC_LR_WGT_FACTOR_ADULT_CODE from LAD and use this to obtain the LEARNER_PROGRAMME_WEIGHTING from the Learner Programme Weighting lookup. If the SPECIALIST_RESOURCES flag indicates the provider is a Specialist Resource Provider then use SRP_LEARNER_PROGRAMME_WEIGHTING otherwise use LEARNER_PROGRAMME_WEIGHTING.

Where the aim is an entitlement aim or the Programme Weighting cannot be found use PROGRAMME_WEIGHTING in the Parameters lookup.
7.1.2 Area Cost

Input:  
- A23 Delivery Location Postcode (ILR)
- DLF_FUNDING_MODEL (2.1)
- Area Cost lookup (10.14)
- Parameters lookup for AREA_COST (10.9)
- PIMS lookup

Output:  
- AREA_COST

If DLF_FUNDING_MODEL is Employer Responsive then use A23 Delivery Location Postcode to get AREA_COST from the Area Cost lookup.
If DLF_FUNDING_MODEL is 16-18 Learner Responsive then get 16-18_AREA_COST from the PIMS lookup.
If DLF_FUNDING_MODEL is Adult Learner Responsive then get LRM_AREA_COST from the PIMS lookup.

Where the Area Cost factor cannot be found then use the default in the Parameters lookup.

7.1.3 Disadvantage Uplift

Input:  
- L17 Home postcode (ILR)
- L33 Disadvantage uplift factor (ILR)
- DLF_FUNDING_MODEL (2.1)
- DLF_PROG_TYPE (2.2)
- Disadvantage Uplift lookup (10.15)
- Parameters lookup

Output:  
- DISADVANTAGE_UPLIFT

If the DLF_FUNDING_MODEL is 16-18 Learner Responsive or Adult Learner Responsive then use the L33 Disadvantage Uplift factor from the ILR. The entitlement record will need to be associated with the relevant learner record in the ILR to do this. If L33 Disadvantage Uplift is zero then use default in the Parameters lookup.
Otherwise, if the DLF_FUNDING_MODEL is Employer Responsive and the DLF_PROG_TYPE is Apprenticeship then use the Disadvantage Uplift lookup using L17 Home Postcode from the ILR.
Otherwise, if the DLF_FUNDING_MODEL is Employer Responsive and DLF_PROG_TYPE is not Apprenticeship then use the Disadvantage Uplift default in the Parameters lookup.

Where the Disadvantage Uplift cannot be found then use the default in the Parameters lookup.
7.1.4 Short Programme Modifier

For entitlement aims and E2E aims (i.e. where DLF_PROG_TYPE = E2E) do not process steps 1 to 3 and set SHORT_PROGRAMME_MODIFIER = 1.

For other aims follow steps 1 to 3.

Some learners may have some aims included and some excluded. For these learners the calculation should be run, but only for the included aims.

**Step 1: calculate aim level SLN**

Input:  
- A51a_PROPORTION (2.12)
- BASE_SLN_VALUE (3.3.5)
- MOD_DISCOUNT (2.15)
- SLN_START (3.1.1)
- TRANSFERRED_AIM_IND (2.11)

Output:  
- SPM_ALL_YEAR_AIM_SLN

SPM_ALL_YEAR_AIM_SLN = BASE_SLN_VALUE * SLN_START * (1 minus TRANSFERRED_AIM_IND) * A51a_PROPORTION * MOD_DISCOUNT

**Step 2: aggregate aim SLN to learner level**

Input:  
- SPM_ALL_YEAR_AIM_SLN (Step 1)

Output:  
- SPM_ALL_YEAR_LEARNER_SLN

SPM_ALL_YEAR_LEARNER_SLN = sum of SPM_ALL_YEAR_AIM_SLN for the learner.

**Step 3: calculate short programme modifier**

Input:  
- DLF_FUNDING_MODEL (2.1)
- CAP_FACTOR (3.3.6)
- LEARNER_SLN_UNCAPPED (3.3.6)
- SPM_ALL_YEAR_LEARNER_SLN (step 2)
- Parameters lookup for SHORT_PROG_MODIFIER_WEIGHT (10.9)
- Parameters lookup for SHORT_PROG_MODIFIER_SLN_LIMIT (10.9)

Output:  
- SHORT_PROGRAMME_MODIFIER

If DLF_FUNDING_MODEL is 16-18 Learner Responsive or Adult Learner Responsive:

If SPM_ALL_YEAR_LEARNER_SLN < SHORT_PROG_MODIFIER_SLN_LIMIT then:

If (LEARNER_SLN_UNCAPPED x CAP_FACTOR) < SHORT_PROG_MODIFIER_SLN_LIMIT then the SHORT_PROGRAMME_MODIFIER = 1 + (SHORT_PROG_MODIFIER_WEIGHT x (1 - (LEARNER_SLN_UNCAPPED x CAP_FACTOR / SHORT_PROG_MODIFIER_SLN_LIMIT)))

Otherwise SHORT_PROGRAMME_MODIFIER = 1
7.1.5 Adjustment Factor

Input: 
- DLF_FUNDING_MODEL (2.1)
- DLF_PROG_TYPE (2.2)
- FUNDED_AGE_BAND (2.3)
- PIMS lookup

Output: **ADJUSTMENT_FACTOR**

If DLF_FUNDING_MODEL is Employer Responsive and DLF_PROG_TYPE is Apprenticeship and FUNDED_AGE_BAND is 16-18 then use the 16-18_APP_ADJUSTMENT field. Otherwise, if DLF_FUNDING_MODEL is Employer Responsive then use ERM_ADJUSTMENT field. Otherwise, if DLF_FUNDING_MODEL is 16-18 Learner Responsive then use 16-18_ADJUSTMENT field. Otherwise, if DLF_FUNDING_MODEL is Adult Learner Responsive then use LRM_ADJUSTMENT field. Where null or zero then use 1.

7.1.6 Success Factor

Input: 
- DLF_FUNDING_MODEL (2.1)
- PIMS lookup

Output: **SUCCESS_FACTOR**

Where DLF_FUNDING_MODEL is 16-18 Learner Responsive then use 16-18_SUCCESS from the PIMS lookup. Where DLF_FUNDING_MODEL is Adult Learner Responsive then use LRM_SUCCESS from the PIMS lookup. Otherwise set SUCCESS_FACTOR to 1.

7.1.7 TTG Uplift Factor

Input: 
- DLF_FUNDING_MODEL (2.1)
- DLF_PROG_TYPE (2.2)
- Parameters lookup for TTG_UPLIFT_LOOKUP (10.9)

Output: **TTG_UPLIFT_FACTOR**

If the DLF_FUNDING_MODEL equals Employer Responsive and DLF_PROG_TYPE is not equal to Apprenticeships then set TTG_UPLIFT_FACTOR to TTG_UPLIFT_LOOKUP, otherwise set TTG_UPLIFT_FACTOR to 1.
7.1.8 Provider Factor Weightings

Input:  
- PROGRAMME_WEIGHTING (7.1.1)
- AREA_COST (7.1.2)
- DISADVANTAGE_UPLIFT (7.1.3)
- SHORT_PROGRAMME_MODIFIER (7.1.4)
- ADJUSTMENT_FACTOR (7.1.5)
- SUCCESS_FACTOR (7.1.6)
- TTG_UPLIFT_FACTOR (7.1.7)

Output: PROVIDER_FACTOR_WEIGHTINGS

Provider Factor Weightings = Programme Weighting x Area Cost x Disadvantage Uplift x Short Programme Modifier x Adjustment Factor x Success Factor x TTG Uplift Factor
7.2 Determine PIMS Provider Factor (Learner Responsive only)
This is used when:
• calculating the Learner Responsive cash value

Input: DLF_FUNDING_MODEL (2.1)  
PIMS lookup
Output: PROVIDER_FACTOR

Where DLF_FUNDING_MODEL is 16-18 Learner Responsive then get 16-18_PROVIDER_FACTOR.  
Where DLF_FUNDING_MODEL is Adult Learner Responsive then get LRM_PROVIDER_FACTOR.
7.3 Calculate In-Year Provider Factor

7.3.1 Calculate Provider Factor SLN Weighting

Input:  
- sum of AIM_SLN (3.5.2)
- DLF_FUNDING_MODEL (2.1)
- sum of ON_PROG_SLN_INST (4.3.3 or 5.4.1) for the year
- sum of ACH_SLN_INST (4.3.4 or 5.4.2) for the year
- sum of BAL_SLN_INST (4.3.5 or 5.4.3) for the year

Output:  PROVIDER_FACTOR_SLN_WGT

Where DLF_FUNDING_MODEL = Employer Responsive then PROVIDER_FACTOR_SLN_WGT equals the sum of ON_PROG_SLN_INST plus ACH_SLN_INST plus BAL_SLN_INST (for year).

Where DLF_FUNDING_MODEL = 16-18 Learner Responsive or Adult Learner Responsive then PROVIDER_FACTOR_SLN_WGT equals AIM_SLN.

7.3.2 Calculate SLN-Weighted Programme Weighting

Input:  
- PROGRAMME_WEIGHTING (7.1.1)
- PROVIDER_FACTOR_SLN_WGT (7.3.1)

Output:  SLN_WGT_PW

SLN_WGT_PW = PROGRAMME_WEIGHTING x PROVIDER_FACTOR_SLN_WGT

7.3.3 Calculate SLN-Weighted Programme Weighting and Disadvantage

Input:  
- SLN_WGT_PW (7.3.2)
- DISADVANTAGE_UPLIFT (7.1.3)

Output:  SLN_WGT_PW_DIS

SLN_WGT_PW_DIS = SLN_WGT_PW x DISADVANTAGE_UPLIFT

7.3.4 Calculate SLN-Weighted Programme Weighting and Disadvantage and Area Cost

Input:  
- SLN_WGT_PW_DIS (7.3.3)
- AREA_COST (7.1.2)

Output:  SLN_WGT_PW_DIS_AC

SLN_WGT_PW_DIS_AC = SLN_WGT_PW_DIS x AREA_COST
7.3.5 Calculate SLN-Weighted Programme Weighting and Disadvantage and Area Cost and Short Programme Modifier

Input:  
- SLN_WGT_PW_DIS_AC (7.3.4)
- SHORT_PROGRAMME_MODIFIER (7.1.4)

Output:  
SLN_WGT_PW_DIS_AC_SPM

\[
SLN_WGT_PW_DIS_AC_SPM = SLN_WGT_PW_DIS_AC \times SHORT_PROGRAMME_MODIFIER
\]

7.3.6 Calculate SLN-Weighted Programme Weighting and Disadvantage and Area Cost and Short Programme Modifier and Adjustment Factor

Input:  
- SLN_WGT_PW_DIS_AC_SPM (7.3.5)
- ADJUSTMENT_FACTOR (7.1.5)

Output:  
SLN_WGT_PW_DIS_AC_SPM_ADJ

\[
SLN_WGT_PW_DIS_AC_SPM_ADJ = SLN_WGT_PW_DIS_AC_SPM \times ADJUSTMENT_FACTOR
\]

7.3.7 Calculate SLN-Weighted Programme Weighting and Disadvantage and Area Cost and Short Programme Modifier and Adjustment Factor and TTG Uplift

Input:  
- SLN_WGT_PW_DIS_AC_SPM_ADJ (7.3.6)
- TTG_UPLIFT_FACTOR (7.1.7)

Output:  
SLN_WGT_PW_DIS_AC_SPM_ADJ_TTG

\[
SLN_WGT_PW_DIS_AC_SPM_ADJ_TTG = SLN_WGT_PW_DIS_AC_SPM_ADJ \times TTG_UPLIFT_FACTOR
\]
7.4 Prior Year SLN Indicator

This is used to identify when a learner has generated SLN in a previous year on an aim they are currently engaged on.

Input:  
- A15 Programme type (ILR)
- A27 Learning start date (ILR)
- TRANS_START_PROPORTION

Output: PRIOR SLN IND = 1 or PRIOR SLN IND = 0

PRIOR SLN IND = 1 WHEN:

1) A15<>2,3,9,10 AND TRANS_START_PROPORTION>0..... OR
2) A15=9 AND A27<=28 July 08..... OR
3) A15=2,3,10 AND A27<=31 July 08

Otherwise PRIOR SLN IND = 0
8. Calculate Additional Learning Support

8.1 Calculate Funding for ER Additional Learning Support

- This rule is applied to all Employer Responsive funded Learners undertaking at least one Employer Responsive funded Learning Aim.

- A single learner may earn a maximum of one Additional Learning Support (ALS) payment per month, even if they have several Aims active during a single month, each attracting ALS.

- It is possible that a single learner can have several active aims each month, each of which can have a different ALS status. In such cases, it is necessary to determine the status attracting the highest rate applicable to that learner.

- This is done by examining the range of values of field A53 on each of the active aims each month. If one or more of the active aims has a status of BOTH, then the BOTH rate is applied. If none of the active aims has a status of BOTH and one or more of the active aims has a status of OR, then the OR rate is applied. Otherwise the rate applied is £0.

- It is also necessary to determine which of the active aims earns the ALS payment for each month. The payment is always assigned to one of the aims that attracts the highest ALS base value for the month in question. If there is an active main (APPRENTICESHIP_MAIN_AIM_IND = ‘1’) then this receives the payment. If not, then if there is one or more active Technical Certificate (APPRENTICESHIP_TECH_CERT_IND = ‘1’) then the active aim with the earliest start date receives the payment. If not, then if there is one or more other active aim then the aim with the earliest start date receives the payment.

**Step 1: calculate ALS base value**

This is performed for all aims, regardless of whether that aim is active or not.

**Input:**
- A53 Additional learning needs (ILR)
- FUNDED_AGE_BAND (2.3)
- DLF_FUNDING_MODEL (2.1)
- A53 lookup (10.16)

**Output:**
- ALS_BASE_VALUE

Where the DLF_FUNDING_MODEL = Employer Responsive determine ALS_BASE_VALUE based on A53 Additional learning needs and the FUNDED_AGE_BAND.

Where a value is not returned from the A53 lookup then ALS_BASE_VALUE = 0

**Step 2: determine the ALS value for the month**

**Input:**
- ALS_BASE_VALUE (step 1)
- P(x) (4.2.4)

**Output:**
- a set of aims with the highest ALS_BASE_VALUE for each month

For each month, select the subset of aims with P(x) equalling 1, and from those select the subset of aims with the highest ALS_BASE_VALUE. If ALS_BASE_VALUE is zero for all of these aims then no aims are returned.
**Step 3: determine the aim that receives ALS**

**Input:**
- A05 Learning aim dataset sequence (ILR)
- A27 Learning start date (ILR)
- APPRENTICESHIP_MAIN_AIM_IND (2.6)
- APPRENTICESHIP_TECH_CERT_IND (2.13)
- DLF_FUNDING_MODEL (2.1)

A set of aims with the highest ALS_BASE_VALUE for each month (step 2)

**Output:**
The aim that receives ALS for each month

It is necessary to determine which of the aims selected in step 2 earns the ALS payment for each month.

If the set of aims selected in step 2 contains a main aim (APPRENTICESHIP_MAIN_AIM_IND = ‘1’) then this is the aim that is passed to step 4 for this month.

If there is not a main aim but there is one or more Technical Certificate aims (APPRENTICESHIP_TECH_CERT_IND = ‘1’) then the aim with the earliest A27 Learning start date is passed to step 4 for this month. Where there is more than one Technical Certificate aim with the same earliest A27 Learning start date then the aim with the lowest A05 Learning aim dataset sequence number is the one that is passed through to step 4.

If none of the aims selected in step 2 were main aims or Technical Certificates then the aim with the earliest A27 Learning start date is passed to step 4 for this month. Where there is more than one aim with the same earliest A27 Learning start date then the aim with the lowest A05 Learning aim dataset sequence number is the one that is passed through to step 4.

**Step 4: calculate ALS payment**

**Input:**
- ALS_BASE_VALUE (Step 1)
- The aim that receives ALS for each month (step 3)
- Area Cost for the aim(7.1.2)

**Output:**
ER_ALS_PAYMENT

It is necessary to determine the ER_ALS_PAYMENT for each month.

For the aim selected in step 3 for each month:

ER_ALS_PAYMENT = Area Cost for the aim x ALS_BASE_VALUE

This is to be paid in that month.

The ER_ALS_PAYMENT is not generated in months where no aims were selected in step 2.
8.2 Calculate Funding for Learner Responsive Additional Learning Support

This rule is applied to all Learner Responsive funded aims.

**Step 1: Determine ALS rate per SLN**

Input:  
- DLF_FUNDING_MODEL (2.1)  
- DLF_PROG_TYPE (2.2)  
- PIMS lookup  

Output:  
- ALS_RATE_PER_SLN

Where DLF_PROG_TYPE is ‘E2E’ then ALS_RATE_PER_SLN = 0.

Otherwise where DLF_FUNDING_MODEL is ‘16-18 Learner Responsive’ then set ALS_RATE_PER_SLN to L1618_ALS from the PIMS lookup.

Otherwise where DLF_FUNDING_MODEL is ‘Adult Learner Responsive’ then set ALS_RATE_PER_SLN to LRM_ALS from the PIMS lookup.

**Step 2: Determine ALS cash**

Input:  
- ALS_RATE_PER_SLN (step 1)  
- AIM_SLN (3.3.7)  
- SLN_START_PERIOD (3.1.1)  
- SLN_START_YEAR (3.1.1)  

Output:  
- LR_ALS_CASH

LR_ALS_CASH = ALS_RATE_PER_SLN x AIM_SLN

This is allocated to the SLN_START_PERIOD and SLN_START_YEAR.
9. Calculate Cash Value

9.1 Calculate Fee Proportion

Input:  
DLF_PROG_TYPE (2.2)  
LAD_ANNUAL_VALUES_DATASET (3.3.1)  
Parameter lookup for LR_FEE_PROPORTION and ER_FEE_PROPORTION (10.9)

Output:  
FEE_PROPORTION

If LAD_ANNUAL_VALUES_DATASET is ER_AV and DLF_PROG_TYPE is Apprenticeship then get the Fee_Element_Percentage from the ER_AV LAD Annual Values Dataset.

FEE_PROPORTION is Fee_Element_Percentage divided by 100.

If LAD_ANNUAL_VALUES_DATASET is ER_AV and DLF_PROG_TYPE is not Apprenticeship then get ER_FEE_PROPORTION from the Parameter lookup.

If LAD_ANNUAL_VALUES_DATASET is FRAMEWORK_AV then get the Fee_Element_Percentage from the FRAMEWORK_AV LAD Annual Values Dataset.

FEE_PROPORTION is Fee_Element_Percentage divided by 100.

If LAD_ANNUAL_VALUES_DATASET is 16-18_LR or Adult_LR_AV or the aim is an entitlement aim, then get the LR_FEE_PROPORTION from the Parameters lookup.

If Fee_Element_Percentage cannot be determined from the LAD then get the ER_FEE_PROPORTION from the Parameters lookup.
9.2 Calculate Co-Funded Rate

Input:  
- FEE_PROPORTION (9.1)
- FULLY_FUNDED_RATE (2.14)
- DLF_FUNDING_MODEL (2.1)
- PROVIDER_FACTOR (7.2)

Output: CO-FUNDED_RATE

For Employer: Co-funded Rate = FULLY_FUNDED_RATE x (1 minus FEE_PROPORTION)

For Learner Responsive: Co-funded Rate = FULLY_FUNDED_RATE x (1 minus (FEE_PROPORTION/PROVIDER_FACTOR))
9.3 Calculate Employer On Programme Monthly Cash Value

Input:  
- CO-FUNDED_RATE (9.2)
- FULLY_FUNDED (2.4)
- FULLY_FUNDED_RATE (2.14)
- DLF_FUNDING_MODEL (2.1)
- ON_PROG_SLN_INST (4.3.3 or 5.4.1)
- PROVIDER_FACTOR_WEIGHTINGS (7.1.8)

Output: \( ER\_ON\_PROG\_CASH \) for each month

If \( FULLY\_FUNDED = 1 \)
\[ ER\_ON\_PROG\_CASH = (ON\_PROG\_SLN\_INST \times PROVIDER\_FACTOR\_WEIGHTINGS \times FULLY\_FUNDED\_RATE) \]

If \( FULLY\_FUNDED = 0 \)
\[ ER\_ON\_PROG\_CASH = (ON\_PROG\_SLN\_INST \times PROVIDER\_FACTOR\_WEIGHTINGS \times CO\_-FUNDED\_RATE) \]
9.4 Calculate Employer Balancing Payments

Input:  
- BAL_SLN_INST (4.3.5 or 5.4.3)
- CO-FUNDED_RATE (9.2)
- FULLY_FUNDED (2.4)
- DLF_FUNDING_MODEL (2.1)
- FULLY_FUNDED_RATE (2.14)
- PROVIDER_FACTOR_WEIGHTINGS (7.1.8)

Output: \( \text{ER}_\text{BAL}_\text{CASH} \)

To be paid in month of achievement.

If \( \text{FULLY}_\text{FUNDED} = 1 \)
\[
\text{ER}_\text{BAL}_\text{CASH} = (\text{BAL}_\text{SLN}_\text{INST} \times \text{PROVIDER}_\text{FACTOR}_\text{WEIGHTINGS} \times \text{FULLY}_\text{FUNDED}_\text{RATE})
\]

If \( \text{FULLY}_\text{FUNDED} = 0 \)
\[
\text{ER}_\text{BAL}_\text{CASH} = (\text{BAL}_\text{SLN}_\text{INST} \times \text{PROVIDER}_\text{FACTOR}_\text{WEIGHTINGS} \times \text{CO-FUNDED}_\text{RATE})
\]
9.5 Calculate Employer Achievement Payments

Input:  
ACH_SLN_INST (4.3.4 or 5.4.2)  
CO-FUNDED_RATE (9.2)  
FULLY_FUNDED (2.4)  
DLF_FUNDING_MODEL (2.1)  
FULLY_FUNDED_RATE (2.14)  
PROVIDER_FACTOR_WEIGHTINGS (7.1.8)

Output:  
ER_ACH_CASH

To be paid when the ACH_SLN_INST is generated.

If FULLY_FUNDED = 1
ER_ACH_CASH = (ACH_SLN_INST  
\times \text{PROVIDER}_{-}\text{FACTOR}_{-}\text{WEIGHTINGS} \times \text{FULLY}_{-}\text{FUNDED}_{-}\text{RATE})

If FULLY_FUNDED = 0
ER_ACH_CASH = (ACH_SLN_INST \times \text{PROVIDER}_{-}\text{FACTOR}_{-}\text{WEIGHTINGS} \times \text{CO}_{-}\text{FUNDED}_{-}\text{RATE})
9.6 Calculate Learner Responsive Cash Value

Input: LEARNER_RESPONSIVE_AIM_PERIOD.AIM_SLN
       CO-FUNDED_RATE (9.2)
       FULLY_FUNDED (2.4)
       DLF_FUNDING_MODEL (2.1)
       FULLY_FUNDED_RATE (2.14)
       PROVIDER_FACTOR (7.2)

Output: LR_CASH

This is calculated for each period where LEARNER_RESPONSIVE_AIM_PERIOD.AIM_SLN > 0.

If FULLY_FUNDED = 1
LR_CASH = (AIM_SLN
         x PROVIDER_FACTOR x FULLY_FUNDED_RATE)
If FULLY_FUNDED = 0
LR_CASH = (AIM_SLN x PROVIDER_FACTOR x CO-FUNDED_RATE)
### 10. Lookups

#### 10.1 Funding Model lookup

<table>
<thead>
<tr>
<th>A10_LSC_FUNDING_STREAM</th>
<th>FUNDING_MODEL_DESC</th>
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10.2 DLF Programme Type lookup

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10.3 Funded Age Band lookup

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### 10.4 Fully Funded lookup

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10.5 Learning Outcome Achievement lookup

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10.6 Calendar lookup

For 2008/09:

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### 10.11 Employer Programme Weighting lookup

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10.12 Learner Programme Weighting lookup

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10.13 National Rate lookup

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10.14 Area Cost lookup

http://www.lsc.gov.uk/providers/Data/Software/Disadvantageduplift

10.15 Disadvantage Uplift lookup

http://www.lsc.gov.uk/providers/Data/Software/Disadvantageduplift

10.16 A53 lookup

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### 10.18 A46 ER lookup

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## 10.19 MOD lookup

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### 10.21 Transitional Parameters lookup

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### 10.22 FE Calendar lookup


### 10.23 A20 lookup

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### 10.24 Occupational Qualification lookup

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### 10.29 E2E lookup

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### 10.30 Notional NVQ Level/E2E Bonus lookup

This lookup returns the bonus value for a combination of NOTIONAL_NVQ_LEVEL and KS_FS_EXCEPTION.
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### 10.32 Skills for Life lookup

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10.35 A50 E2E Progression Bonus lookup

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10.36 A46 LR lookup

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11. Inputs/Outputs

11.1 Inputs

11.1.1 Employer Responsive Aim inputs

A01  Provider Number
A02  Contract/Allocation type
A03  Learner Reference Number
A04  Data set identifier code
A05  Learning aim data set sequence
A09  Learning aim reference
A10  LSC Funding Stream
A14  Reason for full funding/co-funding of learning aim
A15  Programme Type
A18  Main delivery method
A23  Delivery location postcode
A26  Framework code
A27  Learning start date
A28  Learning planned end date
A31  Learning actual end date
A32  Guided learning hours
A34  Completion status
A35  Learning outcome
A40  Achievement date
A51a Proportion of funding remaining
A46  National learning aim monitoring (occurs twice)
A53  Additional learning needs
LAD.ALL_ANNUAL_VALUES.SKILLS_FOR_LIFE
LAD.ALL_ANNUAL_VALUES.SSA_TIER1_CODE
LAD.ALL_ANNUAL_VALUES.SSA_TIER2_CODE
LAD.FRAMEWORK_AIMS.FRAMEWORK_COMPONENT_TYPE_CODE
LAD.LEARNING_AIM.NOTIONAL_NVQ_LEVEL_CODE
LAD.LSC_EMPLOYER_ANNUAL_VALUES.FEE_ELEMENT_PERCENTAGE
LAD.LSC_EMPLOYER_ANNUAL_VALUES.LSC_EMP_RESP_WGT_FACTOR_CODE
LAD.LSC_EMPLOYER_ANNUAL_VALUES.SLN_APPRENTICESHIP_1
LAD.LSC_EMPLOYER_ANNUAL_VALUES.SLN_EMP_RESP_1
LAD.LSC_EMPLOYER_ANNUAL_VALUES.SLN_EMP_RESP_2
11.1.2 Employer Responsive Learner inputs

- **L01** Provider Number
- **L03** Learner reference number
- **L11** Date of birth
- **L17** Home postcode
- **L25** LSC number of funding LSC
- **L28a** Eligibility for enhanced funding
- **L28b** Eligibility for enhanced funding

**PIMS.PROVIDERS.16-18APP_ADJUSTMENT**

**PIMS.PROVIDERS.16-18_RATE_TRANSITIONAL_FULLYFUNDED**

**PIMS.PROVIDERS.ERM_ADJUSTMENT**

**PIMS.PROVIDERS.ERM_RATE_TRANSITIONAL_FULLYFUNDED**

**DISADVANTAGE_UPLIFT**  Postcode lookup
11.1.3 Learner Responsive Aim inputs

A01  Provider Number
A02  Contract/Allocation type (I'm guessing we may need this to indicate a MOD learner?)
A03  Learner Reference Number
A04  Data set identifier code
A05  Learning aim data set sequence
A09  Learning aim reference
A10  LSC Funding Stream
A13  Tuition fee received
A14  Reason for full funding/co-funding of learning aim
A15  Programme Type
A17  Delivery mode
A18  Main delivery method
A20  Re-take
A27  Learning start date
A28  Learning planned end date
A31  Learning actual end date
A32  Guided learning hours
A34  Completion status
A35  Learning outcome
A36  Learning outcome grade
A40  Achievement date
A46a National learning aim monitoring
A46b National learning aim monitoring
A50  Reason learning ended
A51a Proportion of funding remaining
A52  Distance learning SLN
A53  Additional learning needs

LAD.ALL_ANNUAL_VALUES.LSC_FUNDING_STATUS_CODE
LAD.ALL_ANNUAL_VALUES.SKILLS_FOR_LIFE
LAD.ALL_ANNUAL_VALUES.SKILLS_FOR_LIFE_TYPE_CODE
LAD.LEARNING_AIM.LEARNING_AIM_TYPE_CODE
LAD.LEARNING_AIM.NOTIONAL_NVO_LEVEL
LAD.LSC_ADULT_LEARNER_ANNUAL_VALUES.LSC_LR_WGT_FACTOR_ADULT_CODE
LAD.LSC_ADULT_LEARNER_ANNUAL_VALUES.SLN_GLH_ADULT_1
LAD.LSC_ADULT_LEARNER_ANNUAL_VALUES.SLN_GLH_ADULT_2
LAD.LSC_EMPLOYER_ANNUAL_VALUES.FEE_ELEMENT_PERCENTAGE
11.1.4 Learner Responsive Learner inputs

L01 Provider Number
L03 Learner reference number
L28a Eligibility for enhanced funding
L28b Eligibility for enhanced funding
L33 Disadvantage uplift factor
PIMS.PROVIDERS.L1618_ALS
PIMS.PROVIDERS.LRM_ADJUSTMENT
PIMS.PROVIDERS.LRM_ALS
PIMS.PROVIDERS.LRM_AREA_COST
PIMS.PROVIDERS.LRM_PROVIDER_FACTOR
PIMS.PROVIDERS.LRM_RATE_TRANSITIONAL_FULLYFUNDED
PIMS.PROVIDERS.LRM_SUCCESS
PIMS.PROVIDERS.16-18_ADJUSTMENT
PIMS.PROVIDERS.16-18_AREA_COST
PIMS.PROVIDERS.16-18_PROVIDER_FACTOR
PIMS.PROVIDERS.16-18_RATE_TRANSITIONAL_FULLYFUNDED
PIMS.PROVIDER.16-18_SUCCESS
PIMS.PROVIDERS.SPECIALIST_RESOURCES
11.2 Outputs

### 11.2.1 ILR_ER_FUNDING_AIM

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