



Leading learning and skills

## **Demand Led Funding 2008/09**

### **Funding Calculation Specification version 3.0**

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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](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:

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

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

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

	Employer Responsive	Learner Responsive
SLN	✓	✓
SLN Inst (Base SLN, Balance SLN, Achievement SLN)	✓	✗
Provider Factor	✗	✓
Provider Factor Weightings	✓	✗
ALS	✓	✓
Cash	✓	✓
Transitional arrangements	✓	✓

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.

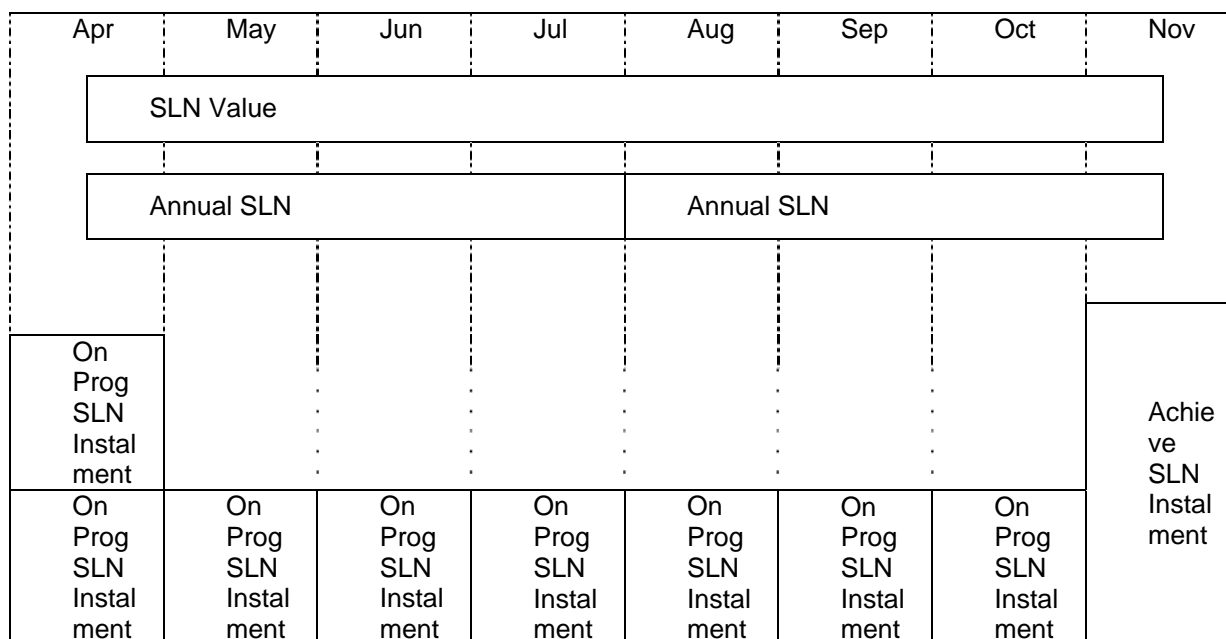
### 1.3.3 SLN Instalments

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.



‘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)  
                  Fully Funded lookup for FULLY\_FUNDED\_IND (10.4)

Output:        **FULLY\_FUNDED = 0** (not fully funded i.e. co-funded) or  
                  **FULLY\_FUNDED = 1** (fully funded)

If DLF\_PROG\_TYPE 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.

## 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: **APPRENTICESHIP\_MAIN\_AIM\_IND = 1 or**

**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:        **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 1<sup>st</sup> 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 1<sup>st</sup> 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)  
Calendar lookup (10.6)

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  $\geq$  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 < 01<sup>st</sup> 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**

$$\text{AIM\_ANNUAL\_PLANNED\_GLH} = \frac{(\text{PLANNED\_NUMBER\_OF\_DAYS\_THIS\_YEAR} + (\text{PLANNED\_NO\_DAYS\_AFTER\_THIS\_YEAR} * \text{COMPLETER\_IND}))}{\text{TOTAL\_PLANNED\_NUMBER\_OF\_DAYS}} \times \text{A32 Guided learning hours}$$

### 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 => 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, 3.6,1, 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: **LAD\_ANNUAL\_VALUES\_DATASET = ER\_AV or**  
**LAD\_ANNUAL\_VALUES\_DATASET = 16-18\_LR\_AV or**  
**LAD\_ANNUAL\_VALUES\_DATASET = ADULT\_LR\_AV or**  
**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\_ACCHE\_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.

    Otherwise if A18 lookup <> 1 then go to 3.3.4.5 Access to HE.

If LAD\_ANNUAL\_VALUES\_DATASET = 16-18\_LR\_AV:

(If A18 lookup = 1 and AIM\_ANNUAL\_PLANNED\_GLH >= OQ\_ACCHE\_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\_ACCHE\_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\_ACCHE\_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\_LRunlisted' 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\_1618\_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.

$AIM\_SLN\_UNCAPPED = BASE\_SLN\_VALUE * SLN\_ANNUAL\_PROPORTION * SLN\_START * (1 \text{ minus } TRANSFERRED\_AIM\_IND) * A51a\_PROPORTION * MOD\_DISCOUNT$

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 (use A28 Learning planned end date if A31 Learning actual end date is null) 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 SFL\_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 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)  
              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:

- 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:

$$\text{AIM\_SLN\_UNCAPPED} = (\text{Sum (E2E\_WEEKS\_Px)} \times \text{E2E Weekly SLN Value}) + \text{PROG\_BONUS\_SLN\_UNCAPPED} + \text{QUAL\_BONUS\_SLN\_UNCAPPED}$$

### 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\_Px (3.4.1)  
              Parameters lookup for E2E\_WEEKLY\_SLN\_VALUE (10.9)

Output:     **LEARNER\_RESPONSIVE\_AIM\_PERIOD.E2E\_PROGRAMME\_SLN**

For each period x:

$E2E\_PROGRAMME\_SLN = E2E\_WEEKS\_Px \times E2E\_WEEKLY\_SLN\_VALUE \times CAP\_FACTOR$

## 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):

$$\text{AIM\_SLN} = \text{E2E\_BONUS\_SLN} + \text{E2E\_PROGRAMME\_SLN}$$

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**

$PLANNED\_NUMBER\_OF\_PERIODS = (((FINAL\_PLANNED\_SLN\_INST\_FUNDING\_YEAR \textit{ minus } SLN\_INST\_STARTER\_YEAR) \times 12) \textit{ plus}$

$(FINAL\_PLANNED\_SLN\_INST\_PERIOD \textit{ minus } SLN\_INST\_STARTER\_PERIOD)) \textit{ plus } 1$

#### 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**

$SLN\_INST\_PROPORTION = (1 \text{ minus } ACHIEVEMENT\_ELEMENT) / (PLANNED\_NUMBER\_OF\_PERIODS + 1)$

#### 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**

(FINAL\_ACTUAL\_SLN\_INST\_PERIOD and FINAL\_ACTUAL\_SLN\_INST\_FUNDING\_YEAR) *minus* (SLN\_INST\_STARTER\_PERIOD and SLN\_INST\_STARTER\_YEAR) *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, NUMBER\_OUTSTANDING\_SLN\_INSTS = (PLANNED\_NUMBER\_OF\_PERIODS *plus 1*) *minus* 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**

OUTSTANDING\_SLN\_INST\_PROPORTION = NUMBER\_OUTSTANDING\_SLN\_INSTS x  
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**

$$\text{BASE\_SLN\_INST\_VALUE} = \text{BASE\_SLN\_VALUE} \times \text{SLN\_INST\_START} \times \text{MOD\_DISCOUNT}$$

#### 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)  
              Px (4.2.4)  
              SLN\_INST\_PROPORTION (4.2.5)

Output:     **ON\_PROG\_SLN\_INST**

$$\text{ON\_PROG\_SLN\_INST} = \text{BASE\_SLN\_INST\_VALUE} \times \text{SLN\_INST\_PROPORTION} \times \text{A51a\_PROPORTION} \times \text{Px}$$

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:

$$\text{ACH\_SLN\_INST} = \text{BASE\_SLN\_INST\_VALUE} \times \text{ACHIEVEMENT\_ELEMENT} \times \text{PROG\_AIM\_ACHIEVER} \times \text{ACHIEVER}$$

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:

$$\text{ACH\_SLN\_INST} = \text{BASE\_SLN\_INST\_VALUE} \times \text{ACHIEVEMENT\_ELEMENT} \times \text{ACHIEVER}$$

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\_PROPORITION (2.12)  
              BASE\_SLN\_INST\_VALUE (4.3.1)  
              ACHIEVER (2.5)  
              ACHIEVEMENT\_PERIOD (2.5)  
              ACHIEVEMENT\_FUNDING\_YEAR (2.5)  
              OUTSTANDING\_SLN\_INST\_PROPORITION (4.2.6)

Output:      **BAL\_SLN\_INST**

$$\text{BAL\_SLN\_INST} = \text{BASE\_SLN\_INST\_VALUE} \times \text{OUTSTANDING\_SLN\_INST\_PROPORITION} \times \text{ACHIEVER} \times \text{A51a\_PROPORITION}$$

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)  
              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 07.

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 >= 1<sup>st</sup> August 2008)) and (A31 is null/zero or >= 1<sup>st</sup> 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)  
              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  $\geq$  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  $\leq$  an FE period start date  $\leq$  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.

Note, FE Period Start Dates are 1 Aug, 1 Jan and 1 May.

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)  
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.

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)  
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

$$\text{TRANS\_START\_PROPORTION} = (x - y + 1) / (z - y + 1)$$

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**

$TRANS\_SLN\_INST\_PROPORTION = (1 \text{ minus } TRANS\_ACHIEVEMENT\_ELEMENT \text{ minus } TRANS\_START\_PROPORTION) / (TRANS\_PLANNED\_NUMBER\_PERIODS\_REMAINING)$

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**

$NUMBER\_TRANS\_SLN\_INSTS\_PAID = (FINAL\_ACTUAL\_SLN\_INST\_PERIOD \text{ and } FINAL\_ACTUAL\_SLN\_INST\_YEAR) \text{ minus } (TRANS\_START\_PERIOD \text{ and } TRANS\_START\_YEAR) \text{ plus } 1$

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**

$NUMBER\_OUTSTANDING\_TRANS\_SLN\_INSTS = (TRANS\_PLANNED\_NUMBER\_PERIODS\_REMAINING) \text{ minus } NUMBER\_TRANS\_SLN\_INSTS\_PAID$

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**

$OUTSTANDING\_TRANS\_SLN\_INST\_PROPORTION = NUMBER\_OUTSTANDING\_TRANS\_SLN\_INSTS \times TRANS\_SLN\_INST\_PROPORTION$

## 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)  
              Px (4.2.4)  
              TRANS\_SLN\_INST\_PROPORTION (5.3.2)

Output:       **ON\_PROG\_SLN\_INST**

$$\text{ON\_PROG\_SLN\_INST} = \text{BASE\_SLN\_INST\_VALUE} \times \text{TRANS\_SLN\_INST\_PROPORTION} \times \text{A51a\_PROPORTION} \times \text{Px}$$

### 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:

$$\text{ACH\_SLN\_INST} = \text{BASE\_SLN\_INST\_VALUE} \times \text{TRANS\_ACHIEVEMENT\_ELEMENT} \times \text{PROG\_AIM\_ACHIEVER} \times \text{ACHIEVER}$$

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:

$$\text{ACH\_SLN\_INST} = \text{BASE\_SLN\_INST\_VALUE} \times \text{TRANS\_ACHIEVEMENT\_ELEMENT} \times \text{ACHIEVER}$$

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)  
          ACHEEVER (2.5)  
          ACHIEVEMENT\_PERIOD (2.5)  
          ACHIEVEMENT\_FUNDING\_YEAR (2.5)  
          OUTSTANDING\_TRANS\_SLN\_INST\_PROPORTION (5.3.3)

Output:    **BAL\_SLN\_INST**

$$\text{BAL\_SLN\_INST} = \frac{\text{BASE\_SLN\_INST\_VALUE} \times \text{OUTSTANDING\_TRANS\_SLN\_INST\_PROPORTION}}{\text{ACHEEVER} \times \text{A51a\_PROPORTION}}$$

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 >= 1<sup>st</sup> August 2008)) and (A31 is null/zero or >= 1<sup>st</sup> 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  $\geq$  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  $\leq$  an FE period start date  $\leq$  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

$$\text{TRANS\_START\_PROPORTION} = (x - y + 1) / (z - y + 1)$$

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 01<sup>st</sup> 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 1<sup>st</sup> August 2008 counts as one day. A learner planned to end on 2<sup>nd</sup> 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.

$$\text{SLN\_ANNUAL\_PROPORTION} = (1 - \text{TRANS\_START\_PROPORTION}) \times (\text{PLANNED\_NUMBER\_OF\_DAYS\_THIS\_YEAR} + (\text{PLANNED\_NO\_DAYS\_AFTER\_THIS\_YEAR} * \text{COMPLETER})) / \text{TRANS\_PLANNED\_NUMBER\_DAYS\_REMAINING}$$

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**

$SPM\_ALL\_YEAR\_AIM\_SLN = BASE\_SLN\_VALUE * SLN\_START * (1 \text{ minus } TRANSFERRED\_AIM\_IND) * A51a\_PROPORTION * MOD\_DISCOUNT$

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

Input:     SPM\_ALL\_YEAR\_AIM\_SLN (Step 1)

Output:    **SPM\_ALL\_YEAR\_LEARNER\_SLN**

$SPM\_ALL\_YEAR\_LEARNER\_SLN = \text{sum of } SPM\_ALL\_YEAR\_AIM\_SLN \text{ for the learner.}$

#### 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  $(LEARNER\_SLN\_UNCAPPED * CAP\_FACTOR) < SHORT\_PROG\_MODIFIER\_SLN\_LIMIT$  then the  
 $SHORT\_PROGRAMME\_MODIFIER = 1 + (SHORT\_PROG\_MODIFIER\_WEIGHT * (1 - (LEARNER\_SLN\_UNCAPPED * CAP\_FACTOR / SHORT\_PROG\_MODIFIER\_SLN\_LIMIT)))$   
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**

$SLN\_WGT\_PW = PROGRAMME\_WEIGHTING \times PROVIDER\_FACTOR\_SLN\_WGT$

### 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**

$SLN\_WGT\_PW\_DIS = SLN\_WGT\_PW \times DISADVANTAGE\_UPLIFT$

### 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**

$SLN\_WGT\_PW\_DIS\_AC = SLN\_WGT\_PW\_DIS \times AREA\_COST$

### 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**

$$\text{SLN\_WGT\_PW\_DIS\_AC\_SPM} = \text{SLN\_WGT\_PW\_DIS\_AC} \times \text{SHORT\_PROGRAMME\_MODIFIER}$$

### 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**

$$\text{SLN\_WGT\_PW\_DIS\_AC\_SPM\_ADJ} = \text{SLN\_WGT\_PW\_DIS\_AC\_SPM} \times \text{ADJUSTMENT\_FACTOR}$$

### 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**

$$\text{SLN\_WGT\_PW\_DIS\_AC\_SPM\_ADJ\_TTG} = \text{SLN\_WGT\_PW\_DIS\_AC\_SPM\_ADJ} \times \text{TTG\_UPLIFT\_FACTOR}$$

## 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:

$ER\_ALS\_PAYMENT = \text{Area Cost for the aim} \times ALS\_BASE\_VALUE$

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**

$LR\_ALS\_CASH = ALS\_RATE\_PER\_SLN \times AIM\_SLN$

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

$ER\_ON\_PROG\_CASH = (ON\_PROG\_SLN\_INST$   
 $x PROVIDER\_FACTOR\_WEIGHTINGS x FULLY\_FUNDED\_RATE)$

If FULLY\_FUNDED = 0

$ER\_ON\_PROG\_CASH = (ON\_PROG\_SLN\_INST x PROVIDER\_FACTOR\_WEIGHTINGS x CO-$   
 $FUNDED\_RATE)$

## 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:     **ER\_BAL\_CASH**

To be paid in month of achievement.

If FULLY\_FUNDED = 1

ER\_BAL\_CASH = (BAL\_SLN\_INST  
x PROVIDER\_FACTOR\_WEIGHTINGS x FULLY\_FUNDED\_RATE)

If FULLY\_FUNDED = 0

ER\_BAL\_CASH = (BAL\_SLN\_INST x PROVIDER\_FACTOR\_WEIGHTINGS x CO-FUNDED\_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  
x PROVIDER\_FACTOR\_WEIGHTINGS x FULLY\_FUNDED\_RATE)

If FULLY\_FUNDED = 0

ER\_ACH\_CASH = (ACH\_SLN\_INST x PROVIDER\_FACTOR\_WEIGHTINGS x CO-FUNDED\_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

	A10_LSC_FUNDING_STREAM	FUNDING_MODEL_DESC	APPRENTICESHIP_MAIN_AIM_IND
1	10	None	N
2	21	16-18 Learner Responsive	N
3	22	Adult Learner Responsive	N
4	45	Employer Responsive	N
5	46	Employer Responsive	Y
6	70	None	N
7	80	None	N
8	99	None	N

## 10.2 DLF Programme Type lookup

	<b>A15_PROGRAMME_TYPE</b>	<b>DLF_PROGRAMME_TYPE</b>
1	02	Apprenticeship
2	03	Apprenticeship
3	09	E2E
4	10	Apprenticeship
5	11	Other
6	12	Other
7	13	Other
8	14	Other
9	15	Other
10	16	Other
11	17	Other
12	18	Other
13	99	None

## 10.3 Funded Age Band lookup

	<b>AGE_AT_START</b>	<b>FUNDED_AGE_BAND</b>
1	>0 <19	16-18
2	=>19	19+

## 10.4 Fully Funded lookup

	<b>A14_REASON</b>	<b>FULLY_FUNDED_IND</b>
1	01	1
2	04	1
3	08	1
4	09	1
5	10	0
6	11	0
7	12	0
8	13	0
9	14	1
10	15	1
11	19	0
12	20	1
13	21	1
14	22	1
15	23	1
16	24	1
17	25	1
18	26	1
19	27	1
20	28	1
21	29	1
22	30	0
23	90	0
24	99	0

### 10.5 Learning Outcome Achievement lookup

	<b>A35_LEARNING_OUTCOME</b>	<b>ACHIEVEMENT_IND</b>
1	1	Y
2	2	N
3	3	N
4	4	N
5	5	N
6	9	N

### 10.6 Calendar lookup

For 2008/09:

	<b>MONTH_NAME</b>	<b>MONTH_NUMBER</b>	<b>START_DATE</b>	<b>END_DATE</b>	<b>FUNDING_YEAR</b>
1	August	1	01-AUG-08	31-AUG-08	2008
2	September	2	01-SEP-08	30-SEP-08	2008
3	October	3	01-OCT-08	31-OCT-08	2008
4	November	4	01-NOV-08	30-NOV-08	2008
5	December	5	01-DEC-08	31-DEC-08	2008
6	January	6	01-JAN-09	31-JAN-09	2008
7	February	7	01-FEB-09	28-FEB-09	2008
8	March	8	01-MAR-09	31-MAR-09	2008
9	April	9	01-APR-09	30-APR-09	2008
10	May	10	01-MAY-09	31-MAY-09	2008
11	June	11	01-JUN-09	30-JUN-09	2008
12	July	12	01-JUL-09	31-JUL-09	2008

### 10.7 A34 lookup

	ILRA34COMPLETED	ILRA34TRANSFERR ED	COMPLETED
1	1	0	N
2	2	0	Y
3	3	0	N
4	4	1	N
5	5	1	N
6	6	0	N

### 10.8 Qualifying Period lookup

	PLANNEDDAYS	QUALIFYING_PERIOD
1	<14	1
2	=>14 < 168	14
3	=> 168	42

## 10.9 Parameters lookup

1	ACHIEVEMENT_ELEMENT	0.25
2	GLH_TO_SLN_DIVISOR	450
3	CAP_LEVEL	1.75
4	PROGRAMME_WEIGHTING	1
5	AREA_COST	1
6	DISADVANTAGE_UPLIFT	1
7	ER_FEE_PROPORTION	0.425
8	LR_FEE_PROPORTION	0.425
9	OQ_ACHE_LISTED_GLH_THRESHOLD	450
10	OQ_2_YEAR_DAYS_THRESHOLD	Result of (1.5 x 365.25) 547.875
11	SHORT_PROG_MODIFIER_WEIGHT	0.3
12	UNLISTED_GLH_MIN	6
13	SHORT_PROG_MODIFIER_SLN_LIMIT	0.5
14	ENTITLEMENT_GLH_THRESHOLD	336
15	ENTITLEMENT_SLN_GLH	114
16	E2E_WEEKLY_SLN_VALUE	0.039
17	E2E_BASIC_BONUS_SLN_VALUE	0.031
18	E2E_ENHANCED_BONUS_SLN_VALUE	0.063
19	E2E_TOP_UP_BONUS_SLN_VALUE	0.032
20	TTG_UPLIFT_LOOKUP	1.03

### 10.10 A18 lookup

	<b>A18_MAIN_DELIVERY_METHOD</b>	<b>LISTED_SLN</b>	<b>DISTANCE_LEARNING</b>
1	01	N/A	N
2	02	N/A	N
3	03	N/A	Y
4	04	N/A	N
5	05	N/A	Y
6	14	1	N
7	15	2	N
8	16	3	N
9	22	1	N
10	23	2	N

### 10.11 Employer Programme Weighting lookup

	<b>PWF</b>	<b>EMPLOYER_PROGRAMME_WEIGHTING</b>
1	A	1.00
2	B	1.12
3	C	1.3
4	D	1.6
5	E	1.72
6	J	1.25
7	K	1.5

### 10.12 Learner Programme Weighting lookup

	PWF	LEARNER_PROGRAMME_WEIGHTING	SRP_LEARNER_PROGRAME_WEIGHTING
1	A	1.00	1.00
2	B	1.12	1.12
3	C	1.30	1.30
4	D	1.60	1.60
5	E	1.72	1.72
6	F	1.40	1.40
7	G	1.72	1.92

### 10.13 National Rate lookup

	16-18_RATE	ERM_RATE	LRM_RATE
1	2860	2775	2775

### 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

	A53_ADDITIONAL_LEARNING_NEEDS	DESCRIPTION	16-18_RATE	19+_RATE
1	11	ALN	147.32	127.89
2	12	ASN	147.32	127.89
3	13	ALSN	220.47	192.95

10.17 Technical Certificate lookup

	FRAMEWORK_COMPONENT_TYPE_CODE	TECHNICAL_CERTIFICATE_IND
1	002	1

10.18 A46 ER lookup

	A46	A46_0708_FUNDING_STREAM	PRIORITY
1	100	TTG	30
2	101	FE_NVQ	20
3	83	NO_TRANSITION	10
4	63	TTG	40

10.19 MOD lookup

	<b>SSA_CODE</b>	<b>SECTOR_SUBJECT_AREA (for info only)</b>	<b>MOD_DISCOUNT</b>
1	01	Health, Public Services and Care	0.84
2	02	Science and Mathematics	0.90
3	03	Agriculture, Horticulture and Animal Care	0.77
4	04	Engineering and Manufacturing Technologies	0.90
5	05	Construction, Planning and the Built Environment	0.78
6	06	Information and Communication Technology	0.87
7	07	Retail and Commercial Enterprise	0.83
8	08	Leisure, Travel and Tourism	0.83
9	09	Arts, Media and Publishing	0.50
10	10	History, Philosophy and Theology	0.87
11	11	Social Sciences	0.87
12	12	Languages, Literature and Culture	0.83
13	13	Education and Training	0.87
14	14	Preparation for Life and Work	0.87
15	15	Business, Administration and Law	0.87

### 10.20 NES Start Proportion lookup

	SSA_CODE	SECTOR_SUBJECT_AREA	NES_START_PROPORTION_LEVEL_2	NES_START_PROPORTION_LEVEL_3	SKILLS_FOR_LIFE
1	01	Health, Public Services and Care	0.18	0.14	0.50
2	02	Science and Mathematics	0.19	0.14	0.50
3	03	Agriculture, Horticulture and Animal Care	0.18	0.14	0.50
4	04	Engineering and Manufacturing Technologies	0.15	0.14	0.50
5	05	Construction, Planning and the Built Environment	0.15	0.14	0.50
6	06	Information and Communication Technology	0.19	0.14	0.50
7	07	Retail and Commercial Enterprise	0.15	0.14	0.50
8	08	Leisure, Travel and Tourism	0.27	0.14	0.50
9	09	Arts, Media and Publishing	0.21	0.14	0.50
10	10	History, Philosophy and Theology	0.19	0.14	0.50
11	11	Social Sciences	0.19	0.14	0.50
12	12	Languages, Literature and Culture	0.19	0.14	0.50
13	13	Education and Training	0.19	0.14	0.50
14	14	Preparation for Life and Work	0.19	0.14	0.50
15	15	Business, Administration and Law	0.17	0.14	0.50

### 10.21 Transitional Parameters lookup

	TRANS_START_PROPORTION	TRANS_START_PERIOD	TRANS_START_YEAR
1	0.50	1	2008

### 10.22 FE Calendar lookup

10.23 A20 lookup

	A20	A20_FUNDABLE_RETAKE
1	1	Y
2	2	N
3	9	N

10.24 Occupational Qualification lookup

	LEARNING_AIM_TYPE	OCCUPATIONAL_QUAL
1	0036	Y

10.25 LSC Funding Status lookup

	LSC_FUNDING_STATUS_CODE	QAA_ACCESS_TO_HE_IND_I ND	SECTION_96_97_APPROVED_ IND
1	01	0	1
2	02	0	1
3	03	0	1
4	04	1	0
5	06	0	1

10.26 A17 Evening delivery lookup

	A17	EVENING_DELIVERY_IND
1	2	1

### 10.27 GCE/GCSE lookup

	LEARNING_AIM_TYPE	GCE_GCSE_QUAL
1	0001	1
2	0002	1
3	0003	1
4	1413	1
5	1422	1
6	1430	1
7	1431	1
8	1432	1
9	1433	1
10	1434	1
11	1435	1
12	2999	1

### 10.28 L28 lookup

	L28	ELIGIBILITY_FOR_ENTITLEMEN T_IND	ELIGIBILITY_FOR_ER_1618_FUNDING_IND
1	12	1	0
2	15	0	1

### 10.29 E2E lookup

	REF	PROGRAMME	BONUS_IND
1	XE2E0001	1	0
2	XE2E0002	0	1
3	XE2E0003	0	2

### 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.

	NOTIONAL_NVQ_LEVEL	KS_FS_EXCEPTION	SFL_E3_GRADE	BONUS_IND
1	E	0	1	1
2	E	1	1	1
3	1	0	1	2
4	1	1	1	1
5	E	0	0	0
6	E	1	0	0
7	1	0	0	2
8	1	1	0	1

### 10.31 Key Skills/Functional Skills lookup

	LEARNING_AIM_TYPE	KEY_SKILLS_FUNC_SKILLS_IND
1	1327	1
2	1439	1

### 10.32 Skills for Life lookup

	SKILLS_FOR_LIFE_TYPE	ENG_MATHS_IND
1	13	1
2	14	1
3	19	1
4	20	1

### 10.33 Skills for Life Target lookup

	SKILLS_FOR_LIFE	SKILLS_FOR_LIFE_TARGET_IND
1	Y	1
2	N	0

### 10.34 A36 SFL E3 Grade lookup

	A36	SFL_E3_GRADE_IND
1	EL3	1

10.35 A50 E2E Progression Bonus lookup

	<b>A50</b>	<b>E2E_PROG_BONUS</b>
1	20	2
2	23	2
3	24	1
4	25	1
5	26	2

10.36 A46 LR lookup

	<b>A46</b>	<b>A46_0708_FUNDING_STREAM</b>
1	103	NO_TRANSITION

# 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	

LAD.LSC\_FRAMEWORK\_ANNUAL\_VALUES.FEE\_ELEMENT\_PERCENTAGE  
LAD.LSC\_FRAMEWORK\_ANNUAL\_VALUES.FRAMEWORK\_ELEMENT\_SLN  
LAD.LSC\_EMPLOYER\_ANNUAL\_VALUES.LSC\_APPRENTICESHIP\_WGT\_FACTOR\_CODE  
AREA\_COST Postcode lookup

### 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\_FULLLYFUNDED  
PIMS.PROVIDERS.ERM\_ADJUSTMENT  
PIMS.PROVIDERS.ERM\_RATE\_TRANSITIONAL\_FULLLYFUNDED  
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_NVQ_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	

LAD.LSC\_FRAMEWORK\_ANNUAL\_VALUES.FEE\_ELEMENT\_PERCENTAGE  
LAD.LSC\_FRAMEWORK\_ANNUAL\_VALUES.FRAMEWORK\_ELEMENT\_SLN\_GLH  
LAD.LSC\_1618\_LEARNER\_ANNUAL\_VALUES.LSC\_LR\_WGT\_FACTOR\_1618\_CODE  
LAD.LSC\_1618\_LEARNER\_ANNUAL\_VALUES.SLN\_GLH\_1618\_1  
LAD.LSC\_1618\_LEARNER\_ANNUAL\_VALUES.SLN\_GLH\_1618\_2  
LAD.LSC\_1618\_LEARNER\_ANNUAL\_VALUES.SLN\_GLH\_1618\_3

#### 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

Output	Format	LIS	DC
L25		✓	✓
DLF_FUNDING_MODEL	'Employer Responsive'	✓	✓
DLF_PROG_TYPE	'Apprenticeship', 'None' or 'Other'	✓	✓
EARLIEST_PROG_START_DATE	date (nullable)	✓	
AGE_AT_START	number (3)	✓	✓
FUNDED_AGE_BAND	'16-18' or '19+'	✓	✓
FULLY_FUNDED	0 or 1	✓	✓
ACHIEVEMENT_PERIOD	1 to 12 (nullable)	✓	
ACHIEVEMENT_FUNDING_YEAR	2007/2008/2009 etc (nullable)	✓	
ACHIEVER	0 or 1	✓	
APPRENTICESHIP_MAIN_AIM_IND	0 or 1	✓	
PROG_AIM_ACHIEVEMENT_PERIOD	1 to 12 (nullable)	✓	
PROG_AIM_ACHIEVEMENT_FUNDING_YEAR	2007/2008/2009 etc (nullable)	✓	
PROG_AIM_ACHIEVER	0 or 1	✓	
PLANNED_NUMBER_OF_DAYS_THIS_YEAR	0 to 366	✓	
TOTAL_PLANNED_NUMBER_OF_DAYS	0 to 366	✓	
ACTUAL_NUMBER_OF_DAYS_THIS_YEAR	0 to 366	✓	
ACTUAL_NUMBER_OF_DAYS	0 to 366	✓	
TRANSFERRED_AIM_IND	0 or 1	✓	
A51a_PROPORTION	number (3, 2) between 0 and 1 (inclusive)	✓	✓
APPRENTICESHIP_TECH_CERT_IND	1 or 0	✓	
FULLY_FUNDED_RATE	number ( , )	✓	✓
FULLY_FUNDED_RATE_TYPE	'16-18 Transitional', '16-18 National', 'ERM Transitional' or	✓	

	'ERM National'		
MOD_DISCOUNT	0 to 1 (2 decimal places)	✓	✓
TRANSITIONAL_ARRANGEMENT_FUNDING_STREAM	'FE_NVQ' or 'TTG' or 'N/A' or 'No Transition'	✓	✓
COMPLETER	0 or 1	✓	
QUALIFYING_SLN_PERIOD_DAYS	1 or 14 or 42	✓	
SLN_START	0 or 1	✓	✓
SLN_START_PERIOD	1 to 12 (nullable)	✓	✓
SLN_START_YEAR	2007/2008/2009 etc (nullable)	✓	✓
QUALIFYING_SLN_INST_PERIOD_DAYS	1 or 14 or 42	✓	
SLN_INST_START	0 or 1	✓	✓
SLN_INST_START_PERIOD	1 to 12 (nullable)	✓	
SLN_INST_START_YEAR	2007/2008/2009 etc (nullable)	✓	
FINAL_PLANNED_SLN_INST_PERIOD	1 to 12 (nullable)	✓	
FINAL_PLANNED_SLN_INST_FUNDING_YEAR	2007/2008/2009 etc (nullable)	✓	
FINAL_ACTUAL_SLN_INST_PERIOD	1 to 12 (nullable)	✓	
FINAL_ACTUAL_SLN_INST_FUNDING_YEAR	2007/2008/2009 etc (nullable)	✓	
PLANNED_NUMBER_OF_PERIODS	0 to 999 (nullable)	✓	
P1	0 or 1	✓	
P2	0 or 1	✓	
P3	0 or 1	✓	
P4	0 or 1	✓	
P5	0 or 1	✓	
P6	0 or 1	✓	
P7	0 or 1	✓	
P8	0 or 1	✓	
P9	0 or 1	✓	
P10	0 or 1	✓	
P11	0 or 1	✓	
P12	0 or 1	✓	
ACHIEVEMENT_ELEMENT	0 to 1 (5 decimal places)	✓	
SLN_INST_PROPORTION	0 to 1 (5 decimal	✓	

	places)		
NUMBER_SLN_INSTS_PAID	number (3, 0)	✓	
NUMBER_OUTSTANDING_SLN_INSTS	number (3,0)	✓	✓
OUTSTANDING_SLN_INST_PROPORTION	number (10, 5)	✓	
PLANNED_NO_DAYS_AFTER_THIS_YEAR	number (4, 0)	✓	
SLN_ANNUAL_PROPORTION	number (10, 5)	✓	
LAD_ANNUAL_VALUES_DATASET	'FRAMEWORK_AV', 'ER_AV'	✓	
FRAMEWORK_BASE_SLN_VALUE	number (10, 5)	✓	
ER_BASE_SLN_VALUE	number (10, 5)	✓	
BASE_SLN_VALUE	number (10, 5)	✓	✓
AIM_SLN_UNCAPPED	number (10, 5)	✓	
LEARNER_SLN_UNCAPPED	number (10, 5)	✓	
CAP_FACTOR	number (10, 5)	✓	
AIM_SLN	number (10, 5)	✓	✓
BASE_SLN_INST_VALUE	number (10, 5)	✓	
PROGRAMME_WEIGHTING	number (10, 5)	✓	✓
AREA_COST	number (10, 5)	✓	✓
DISADVANTAGE_UPLIFT	number (10, 5)	✓	✓
SHORT_PROGRAMME_MODIFIER	number (10, 5)	✓	
ADJUSTMENT_FACTOR	number (10, 5)	✓	
SUCCESS_FACTOR	number (10, 5)	✓	
TTG_UPLIFT_FACTOR	number (10, 5)	✓	
PROVIDER_FACTOR_WEIGHTINGS	number (10, 5)	✓	
ALS_BASE_VALUE	number (10, 5)	✓	
		✓	
FEE_PROPORTION	number (10, 5)	✓	✓
CO-FUNDED_RATE	number (10, 5)	✓	✓
TRANS_PLANNED_NUMBER_PERIODS_REMAINING	number (0 to 999)	✓	
TRANS_START_PROPORTION	0 to 1 (5 decimal places)	✓	✓
TRANS_SLN_INST_PROPORTION	0 to 1 (5 decimal places)	✓	
TRANS_ACHIEVEMENT_ELEMENT	0 to 1 (5 decimal places)	✓	
FE_TRANS_START_PERIOD	1 to 3 (nullable)	✓	

FE_TRANS_START_FUNDING_YEAR	2007/2008/2009 etc (nullable)	✓	
FE_TRANS_PLANNED_END_PERIOD	1 to 3 (nullable)	✓	
FE_TRANS_PLANNED_END_FUNDING_YEAR	2007/2008/2009 etc (nullable)	✓	
NUMBER_TRANS_SLN_INSTS_PAID	Number (0 to 999)	✓	
NUMBER_OUTSTANDING_TRANS_SLN_INSTS	Number (0 to 999)	✓	✓
OUTSTANDING_TRANS_SLN_INST_PROPORTION		✓	
PRIOR_SLN_IND	1 or 0		✓

### 11.2.2 ILR\_ER\_FUNDING\_AIM\_PERIOD

Output	Format	LIS	DC
COLLECTION	VARCHAR2(3)	✓	✓
L01	NUMBER(10)	✓	✓
L03	VARCHAR2(12)	✓	✓
A05	NUMBER(5)	✓	✓
PERIOD	NUMBER(2)	✓	✓
L25	VARCHAR2(3)	✓	✓
ON_PROG_SLN_INST	NUMBER(15,5)	✓	✓
ACH_SLN_INST	NUMBER(15,5)	✓	✓
BAL_SLN_INST	NUMBER(15,5)	✓	✓
ER_ALS_PAYMENT	NUMBER(15,5)	✓	✓
ER_ON_PROG_CASH	NUMBER(15,5)	✓	✓
ER_BAL_CASH	NUMBER(15,5)	✓	✓
ER_ACH_CASH	NUMBER(15,5)	✓	✓

### 11.2.3 ILR\_LR\_FUNDING\_AIM

Output	Format	LIS	DC	Entitlement_Aim
COLLECTION	VARCHAR2(3)	✓	✓	
L01	NUMBER(10)	✓	✓	✓
L03	VARCHAR2(12)	✓	✓	✓
A05	NUMBER(5)	✓	✓	✓
L25	VARCHAR2(3)	✓	✓	
DLF_FUNDING_MODEL	VARCHAR2(30) '16-18 Learner Responsive', 'Adult Learner Responsive'	✓	✓	✓
DLF_PROG_TYPE	VARCHAR2(30) 'Apprenticeship', 'E2E', 'None' or 'Other'	✓	✓	
FULLY_FUNDED	NUMBER(1) 0 or 1	✓	✓	✓
ACHIEVEMENT_PERIOD	NUMBER(2) 1 to 12	✓		
ACHIEVEMENT_FUNDING_YEAR	NUMBER(4) e.g. 2009	✓	✓	
ACHIEVER	NUMBER(1) 0 or 1	✓	✓	
PLANNED_NUMBER_OF_DAYS_THIS_YEAR	NUMBER(3) 0 to 366	✓		
TOTAL_PLANNED_NUMBER_OF_DAYS	NUMBER(3) 0 to 366	✓		
ACTUAL_NUMBER_OF_DAYS_THIS_YEAR	NUMBER(3) 0 to 366	✓		
TRANSFERRED_AIM_IND	NUMBER(1) 0 or 1	✓		
A51a_PROPORTION	NUMBER(10,5)	✓	✓	
ELIGIBILITY_FOR_ENTITLEMENT	NUMBER(1) 0 or 1	✓	✓	
FULLY_FUNDED_RATE	NUMBER(10,5)	✓	✓	✓

FULLY_FUNDED_RATE_TYPE	VARCHAR2(30) '16-18 Transitional', '16-18 National', 'Adult LR Transitional' or 'Adult LR National'	✓		
MOD_DISCOUNT	NUMBER(10,5)	✓	✓	
COMPLETER_IND	NUMBER(1) 0 or 1	✓	✓	
TRANSITIONAL_ARRANGEMENT_FUNDING_STREAM	VARCHAR2(30) 'FE' or 'NO_TRANSITION'	✓	✓	
QUALIFYING_SLN_PERIOD_DAYS	NUMBER(2) 1 or 14 or 42	✓		
SLN_START	NUMBER(1) 0 or 1	✓	✓	
SLN_START_PERIOD	NUMBER(2) 1 to 12	✓		✓
SLN_START_YEAR	NUMBER(4) e.g. 2008	✓		✓
PLANNED_NO_DAYS_AFTER_THIS_YEAR	NUMBER(4)	✓		
SLN_ANNUAL_PROPORTION	NUMBER(10,5)	✓	✓	
AIM_ANNUAL_PLANNED_GLH	NUMBER(10,5)	✓	✓	
LEARNER_ANNUAL_PLANNED_GLH	NUMBER(10,5)	✓	✓	
LAD_ANNUAL_VALUES_DATASET	VARCHAR2(30) 'FRAMEWORK_AV', '16-18_LR_AV', 'ADULT_LR_AV'	✓		
FRAMEWORK_BASE_SLN	NUMBER(10,5)	✓		
LR_LAD_LISTED	NUMBER(1) 0 or 1	✓	✓	
LR_BASE_SLN_VALUE	NUMBER(10,5)	✓	✓	
LR_BASE_SLN_SOURCE	VARCHAR2(30) 'A52_RETAKES' 'UNLISTED_(DL_RETAKES_NO_A52' 'A52'	✓	✓	

	'UNLISTED_(DL_N O_A52' 'UNLISTED_(RETA KE)' 'OQ_ADULT_LR_LI STED_(2YR)' 'OQ_ADULT_LR_LI STED_(1YR)' 'OQ_ADULT_LR_U NLISTED' 'OQ_1618_LR_LIS TED_1_(2YR)' 'OQ_1618_LR_LIS TED_1_(1YR)' 'OQ_1618_LR_LIS TED_2_(2YR)' 'OQ_1618_LR_LIS TED_2_(1YR)' 'OQ_1618_LR_LIS TED_3_(2YR)'  'OQ_1618_LR_LIS TED_3_(1YR)' 'OQ_1618_LR_UN LISTED'  'ACCHE_UNLISTE D'  'ACCHE_ADULT_L R_LISTED'  'ACCHE_1618_LR _LISTED'  'GCE/GCSE_ADUL T_LISTED_EVE'  'GCE/GCSE_ADUL T_LISTED_DAY'  'GCE/GCSE_16- 18_LISTED_EVE'  'GCE/GCSE_16- 18_LISTED_EVE'  'UNLISTED_(OTHE R)'  'OTHER_ADULT_L ISTED'  'OTHER_16- 18_LISTED'			
BASE_SLN_VALUE	NUMBER(10,5)	✓	✓	
AIM_SLN_UNCAPPED	NUMBER(10,5)	✓	✓	✓
E2E_WEEKS_P1	NUMBER(1)	✓	✓	
E2E_WEEKS_P2	NUMBER(1)	✓	✓	

E2E_WEEKS_P3	NUMBER(1)	✓	✓	
E2E_WEEKS_P4	NUMBER(1)	✓	✓	
E2E_WEEKS_P5	NUMBER(1)	✓	✓	
E2E_WEEKS_P6	NUMBER(1)	✓	✓	
E2E_WEEKS_P7	NUMBER(1)	✓	✓	
E2E_WEEKS_P8	NUMBER(1)	✓	✓	
E2E_WEEKS_P9	NUMBER(1)	✓	✓	
E2E_WEEKS_P10	NUMBER(1)	✓	✓	
E2E_WEEKS_P11	NUMBER(1)	✓	✓	
E2E_WEEKS_P12	NUMBER(1)	✓	✓	
KS_FS_EXCEPTION	NUMBER(1) 0 or 1	✓	✓	
SFL_E3_GRADE	NUMBER(1) 0 or 1	✓	✓	
QUAL_BONUS_CRITERIA	NUMBER(1) 1 or 2	✓	✓	
QUAL_BONUS_TYPE	VARCHAR2(20) 'Basic Qual Bonus' or 'Top Up Qual Bonus' or 'Enhanced Qual Bonus'	✓	✓	
QUAL_BONUS_PERIOD	NUMBER(2) 1 to 12	✓	✓	
QUAL_BONUS_FUNDING_YEAR	NUMBER(1) e.g. 2009	✓	✓	
QUAL_BONUS_SLN_UNCAPPED	NUMBER(10,5)	✓	✓	
PROG_BONUS_TYPE	'Basic Prog Bonus' or 'Enhanced Prog Bonus'	✓	✓	
PROG_BONUS_PERIOD	NUMBER(2) 1 to 12	✓	✓	
PROG_BONUS_FUNDING_YEAR	NUMBER(4) e.g. 2009	✓	✓	
PROG_BONUS_SLN_UNCAP	NUMBER(10,5)	✓	✓	

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LEARNER_SLN_UNCAPPED	NUMBER(10,5)	✓	✓	✓
CAP_FACTOR	NUMBER(10,5)	✓	✓	
AIM_SLN	NUMBER(10,5)	✓	✓	✓
TRANS_START_PROPORTION	NUMBER(10,5)	✓	✓	
FE_TRANS_START_PERIOD	NUMBER(2)	✓		
FE_TRANS_START_FUNDING_YEAR	NUMBER(4)	✓		
FE_TRANS_PLANNED_END_PERIOD	NUMBER(2)	✓		
FE_TRANS_PLANNED_END_FUNDING_YEAR	NUMBER(4)	✓		
TRANS_PLANNED_NUMBER_DAYS_REMAINING	NUMBER(4)	✓		
PROGRAMME_WEIGHTING	NUMBER(10,5)	✓	✓	✓
AREA_COST	NUMBER(10,5)	✓	✓	✓
DISADVANTAGE_UPLIFT	NUMBER(10,5)	✓	✓	✓
SHORT_PROGRAMME_MODIFIER	NUMBER(10,5)	✓	✓	✓
SPM_ALL_YEAR_AIM_SLN	NUMBER(10,5)	✓	✓	
SPM_ALL_YEAR_LEARNER_SLN	NUMBER(10,5)	✓	✓	
ADJUSTMENT_FACTOR	NUMBER(10,5)	✓	✓	✓
SUCCESS_FACTOR	NUMBER(10,5)	✓	✓	✓
PROVIDER_FACTOR_WEIGHTINGS	NUMBER(10,5)	✓	✓	✓
PROVIDER_FACTOR	NUMBER(10,5)	✓	✓	✓
FEE_PROPORTION	NUMBER(10,5)	✓	✓	✓
CO-FUNDED_RATE	NUMBER(10,5)	✓	✓	✓

ALS_RATE_PER_SLN	NUMBER(10,5)	✓	✓	✓
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#### 11.2.4 ILR\_LR\_FUNDING\_AIM\_PERIOD

Output	Format	LIS	DC	Entitlement _Aim
COLLECTION	VARCHAR2(3)	✓	✓	✓
L01	NUMBER(10)	✓	✓	✓
L03	VARCHAR2(12)	✓	✓	✓
A05	NUMBER(5)	✓	✓	✓
L25	VARCHAR2(3)	✓	✓	✓
PERIOD	NUMBER(2)	✓	✓	✓
AIM_SLN	NUMBER(15,5)	✓	✓	✓
E2E_BONUS_SLN	NUMBER(15,5)	✓	✓	
E2E_PROGRAMME_SLN	NUMBER(15,5)	✓	✓	
LR_ALS_CASH	NUMBER(15,5)	✓	✓	✓
LR_CASH	NUMBER(15,5)	✓	✓	✓