successforall

Distance travelled measure for 16-19 year olds specified at subject and qualification level

Distance travelled technical specification (summary)

Purpose of specification

This specification details:

- What data are used as a basis for distance travelled calculations
- How to calculate prior attainment
- How to select what learners/ exams are included in calculation
- How to calculate output attainment
- How to calculate national coefficients of expected attainment
- How to calculate distance travelled scores per subject/ qualification
- How to aggregate distance travelled scores

Draft 2

21 February 2006





ADULT LEARNING

INSPECTORATE



Contents

Stage I – Data preparation

Section 1 - The data matching process

Section 2 – Data receipt and preparation

Section 3 - Calculation of prior attainment

Section 4 - Selection of learners and qualifications to include in calculation

Section 5 - Calculation of output attainment

Section 6 - Preparation of dataset for calculation of coefficients

Stage II - Specification of data subsets

Section 7 - Selection of data subsets

Section 8 - Specification of data for MLWIN

Section 9 - Storing and saving catalyst files

Section 10 - Grouping of subjects

Stage III – Multi-Level Modelling estimation

Section 11 - Creation of master files and subsets

Section 12 - Defining the specification/ equation

Section 13 - Output from the Multi-Level Modelling (national coefficients)

- Stage IV Distance travelled calculation
 - Section 14 Calculation of the institution distance travelled curve and score per subject/ qualification
 - Section 15 Aggregation of distributions within qualification

Section 16 - Aggregation of distributions within Sector Subject Area within qualification

Section 17 - Specification of aggregated DT output files

- Annex A: Bath University specification
- Annex B: Point scores for distance travelled qualifications
- Annex C: Modelling rules for Multi-Level Modelling unit
- Annex D: Data tables used in the calculation of 16-19 distance travelled
- Annex E: Providers included in the distance travelled calculations

Stage I – Data preparation

Input: Data sent by matching contractor (Annex D, Table 2, Table 3 and Table 4)

Processes:

- the data matching process (Section 1)
- data receipt and preparation (Section 2)
- calculation of prior attainment (Section 3)
- selection of learners/ exams to include in calculation (Section 4)
- calculation of output attainment (Section 5)
- production of dataset for calculations of coefficients (Section 6)

Output: Annex D Table 5, Table 6, Table 7 and Table 8.

Stage I – Data preparation

This section details the work undertaken to prepare data for use in the 2004/05 distance travelled calculations. This includes the work performed by the matching contractor, and the Learning and Skills Council.

Section 1 – The data matching process

1. Data to enable the Learning and Skills Council (LSC) to measure distance travelled (DT) for 16-19 year olds were obtained from two main sources:

- Individualised Learner Record (ILR) data submitted to the LSC for Further Education (FE) and Work-Based Learning (WBL) providers
- Schools Examination Results Assessment Project (SERAP) data collected by Bath University from awarding bodies.

2. ILR data containing key biographical information were sent to Bath University for a data matching process to take place. In order to be consistent with the 2004/05 success rates to be published by the LSC in April 2006, FE learners aged 16-18 on 31 August 2004 who were expected to complete in the 2004/05 academic year and WBL learners aged 16-18 on 31 August in the year at the start of their programmes of study who were expected to complete their learning, or actually completed earlier than expected in the 2004/05 academic year were those selected for data matching. The data sent to Bath University contained the fields shown in Table 1 in Annex D.

3. These data were then used to obtain information regarding attainment, both prior and output, contained in SERAP for learners undertaking DT qualifications in FE and WBL. Further information is provided in Annex A, which details Bath University's file structure.

4. For the WBL data while every attempt was made to obtain data on those 16-18 year old starters who completed or were expected to complete in 2004/05, there were a number of limitations:

- SERAP only hold data on individuals up to a maximum age of 20 years old at 31 August 2005.
- The attainment data whether in the ILR or in SERAP is less reliable before academic year 2001/02

Therefore, there are no data for learners aged 21 year or over, even though these learners may have been 16-18 years old when they started their WBL programme.

Section 2 – Data receipt and preparation

1. Following the match, files are made available on the University of Bath website for the LSC to download. There are 4 files for each age cohort¹ for each data source (FE and WBL). The content of these tables is shown in Tables 2 to 4 in Annex D.

2. These files can all be linked by using the candidate serial number variable, which is a unique link between all of the files for each source.

¹ For FE provision, an age cohort is defined as all people of the same age as at 31 August in that academic year. All 16 year olds form one cohort, all 17 year olds another cohort, etc. For WBL provision, an age cohort is based upon the age of the learner as at 31 August in the year the programme was started.

Section 3 – Calculation of prior attainment

1. For the DT measure, prior attainment is defined as: 'Average attainment in qualifications at Level 2 and below approved for use pre-age 16 under Section 96'

2. For all learners, prior attainment is cumulative attainment in qualifications at Level 2 and below up to and including age 15.

Point scores

3. Prior attainment is calculated using the Qualifications and Curriculum Authority (QCA) point score system. Full details of the qualifications that are included in prior attainment calculation and the points assigned to each qualification are included in the *DfES Production Rules*. The assignment of points is described in the *Value Added/ Distance Travelled Quality Improvement Pack (VA/ DT QIP)*. Briefly, points are assigned to a qualification depending upon the size of the qualification (based upon standard GCSE equivalence) and the challenge level of the levels of attainment (for example, grades) that can be achieved in that qualification.

Calculation of scores

4. For all learners, average prior attainment is calculated as:

Total point score in qualifications at Level 2 and below achieved up to and including age 15 Total size of qualifications at Level 2 and below taken² up to and including age 15

Section 4 – Selection of learners and qualifications to include in calculation

1. Section 96 approved qualifications at Levels 1 and 2, plus non-graded Level 3 qualifications and apprenticeships have been included in the DT calculations, and are included as a result of feedback from stakeholders. This provision is outside of that included in the value added (VA) measures, and differs for FE and WBL. The provision in scope is as follows:

For WBL:

- Apprenticeships
- Advanced Apprenticeships
- NVQ Level 2
- NVQ Level 3

For FE:

- NVQ Level 1
- NVQ Level 2
- NVQ Level 3
- Key Skills Level 1
- Key Skills Level 2
- Key Skills Level 3
- GCSE Full Course
- GCSE Short Course
- GNVQ Full Intermediate
- GNVQ Full Foundation
- BTEC First Diploma (FD).

² Qualification taken means "examination entered" for all qualifications for which there are examinations and "qualification completed" for those for which there are assessments.

2. The DT analysis aims to be as consistent as possible with the process used to calculate qualification success rates. Due to slight differences in the content of FE and WBL data, slightly different approaches need to be used in the calculation of success rates. As a result, the DT methodologies are slightly different. Further information regarding the differences between the FE and WBL success rates can be found in Section 2 of the QIP, which can be accessed at this link:

http://www.lsc.gov.uk/National/Documents/Keyinitiatives/SuccessforAll/nms-qip.htm

3. The main difference between the approaches is the type of success rate calculation used. The differences are:

- FE provision, excluding GCSEs, uses timely success rates, determined by the expected end date of the qualification
- WBL provision uses overall success rates, determined by a combination of actual and expected end date
- FE GCSE provision uses in-year examination entry data, as per the VA calculations.

Table A: Diagram detailing differences between approaches taken for different DT datasets



4. All records where a learner transferred out to another qualification are removed, as they would skew the calculations if they were included.

5. We also excluded provision of providers that are not in scope for the project. For 2004/05, DT is calculated for all FE and WBL providers for whom we have valid data. Additional analysis is being undertaken for GCSE DT for other providers, including schools, and it is expected that this additional analysis will be completed in June 2006. The FE and WBL providers that have been included, providing valid data have been submitted, are listed in Annex E.

Zero prior attainment

6. In order to assess DT, we can only include learners for whom we have information on prior attainment. Therefore, if we do not have information regarding prior attainment for a learner, they are removed from the calculations.

Data credibility issues

7. One final data exclusion concerns removing any data for providers where there are serious credibility issues. Following consultation with data colleagues at the LSC, for 2004/05 FE DT, data were removed for Bridgwater College as a merger between two providers had caused duplicate records to be created in error. It was therefore deemed inappropriate to include these data in the DT calculations.

Section 5 - Calculation of output attainment

1. For most DT qualifications, outcome attainment is based primarily on the QCA point scores system, although different subject groups are treated slightly differently. Provision for 16-19 year olds is extremely diverse with different subject and qualification mixes being offered by a range of schools, further education, tertiary, specialist and sixth form colleges. To allow fair comparisons to be made while recognising this diversity, the DT for 16-19 learners is calculated by qualification and by subject. For more information regarding the point scores for each qualification, please refer to Annex B.

2. Where qualifications have QCA points assigned to each grade, for example, GCSEs and GNVQs, we have endeavoured to use the QCA as a means of assessing output attainment. However, due to the very small numbers of learners achieving distinctions in GNVQs and BTEC First Diplomas, these outcomes were combined with those achieving merits and assigned points commensurate with that outcome. Where qualifications are designed to not be graded using QCA points, such as NVQs, a pass/ fail outcome points system is used.

3. The WBL DT measure also treats apprenticeships differently to other measures of success. In response to concerns from WBL providers, DT measures are calculated for both apprenticeships and NVQs. This will enable providers to assess not only apprenticeships as a whole, but also the NVQ that forms part of that apprenticeship. As DT is an individual qualification measure rather than a provider-level measure, this will not impact on any provider-scores.

Treatment of fails

4. Output attainment is measured separately for each subject (or subject group) for each qualification an individual has outcome attainment. Fails are included in the calculation of DT scores for the pilot year. Similarly, learners who fail to complete their programme of study are included in the calculations, with the exception of GCSEs, as we do not have access to reliable and consistent information across all providers.

5. As SERAP data only contains data on awards made, SERAP only has data on fails if the awarding body assigns a fail grade to an entry.

6. For most of the qualifications gained through continuous assessment, whether the learner withdraws from the programme of study or completes the programme but fails submit for external assessment is not known to the awarding body. Therefore, for these qualifications (for example, NVQs) non completion and other fail attainment data are obtained from the achievement records of the 2004/05 ILR and matched back to the matched data set.

WBL Apprenticeships

7. Apprenticeships are not considered to be qualifications therefore the only data available from SERAP concerned the award of NVQs. Attainment data of apprenticeships and advanced apprenticeships was obtained from the 2004/05 WBL ILR.

Grouping of subjects

8. Any subject/qualification with a national cohort greater or equal to 80 aims is analysed independently.

9. Where there are less that 80 aims taken nationally for a subject in a qualification, DT scores are still produced for this subject in this qualification, however the estimate of expected attainment is based on the aims in the Sector Subject Area (SSA) for that subject in that qualification or in some cases on all of the aims in that qualification. See Section 10 for further detail. The mapping of subjects within a qualification to SSA is achieved through a lookup table developed from the LSC's Learning Aim Database and LSC qualification mapping tables. The list of SSAs is provided in Annex B.

Section 6 – Preparation of dataset for calculation of coefficients

1. Once all the calculations and data checks necessary to prepare the data for analysis have been performed an exam-level file is passed onto the Multi-Level modelling (MLM) unit to produce national lines using the MLM software package MLWIN and then in the Learner Achievement Tracker (LAT) to produce DT scores.

2. Three sets of files are sent to the MLM unit to calculate the national expectation lines:

- FE DT for graded qualifications as the national expectation lines are calculated using the same models that are used in VA
- FE DT for non-graded qualifications
- WBL DT for non-graded qualifications and apprenticeships.

While the same models are used for FE and WBL non-graded qualifications, the data sets are different.

3. No records are removed from these data files prior to them being sent to the LSC/ MLM unit.

4. The FE data are then put into one single file and split by provider before being sent to LAT. The WBL data are also split by provider before being sent to LAT. A list of providers is provided in Annex E.

5. For DT for 2004/05 two versions of these three data sets were produced. The first version used the latest available attainment data from ILR FE F04 and ILR WBL period 12. These data sets were used to test and validate the process. The data reported and made available to providers is based on the verified attainment data for FE and WBL provision (i.e. ILR FE F05, and WBL 2004/05 final).

6. A description of these files is given in Annex D, Tables 5, 6, 7 and 8.

Stage II – Specification of data subsets

Input: Annex D, Table 5.

Processes:

- selection of data subsets (Section 7)
- specification of data for MLWIN (Section 8)
- calculation of variables for MLWIN (Section 8)
- storing and saving catalyst file (Section 9)
- grouping of subjects (Section 10)

Output: Annex B, Table 6 and Table 7.

Stage II – Specification of data subsets

This section provides the specification of the data sets that are used in the calculation of the national coefficients of the national expected attainment and the calculation of DT scores. The input needed to generate these outcomes is given in Table 5 in Annex D.

Section 7 – Selection of data subsets

1. To facilitate processing of the data, the files are separated by qualification prior to creating and estimating the variables for the MLM estimations.

Section 8 – Specification of data for MLWIN

1. Once the appropriate learners and qualifications have been selected, the files need to be prepared for MLM.

2. As well as the subject and qualification codes, the data includes which SSA the subject is assigned to. Subject codes are numeric codes based on the Local Education Authorities Project (LEAP) subject mapping or Learn Direct Classification System (LDCS) code, whichever is contained in either the ILR data or the data from Bath University. The SSA code is obtained from a lookup table matching LEAP and/ or LDCS codes to SSA code.

3. Data are checked to ensure that there are no missing values, there are no repeating rows and that prior attainment value is greater than 0. Records not meeting these criteria are deleted.

4. Prior and output attainment is tested for normality, outliers and extreme values. Values causing departure from normality are examined, checked and adjusted or removed

5. The following fields are deleted: GENDER, SURNAME, and FORNAME. The gender variable is not needed for the MLWIN calculation since there is no dummy variable for this. Surname and Forename have to be eliminated since such long string variables cause problems when being uploaded into MLWIN.

Calculation of variables for MLWIN

6. Once the basic data set has been created using the structure described above, it is necessary to transform the prior attainment variables before uploading the data into MLWIN. This process saves time in subsequent calculations and allows for quality assurance (QA) checks.

7. The following calculations take place only once for the entire exercise:

- i. Calculate the average of *PRIOR*, (*c*) of the **whole of the data set**
- ii. Calculate PRIOR centred (*PRIORC*); (*PRIORC=PRIOR-c*)
- iii. Calculate the square, cubic version of *PRIOR*; i.e. *PRIOR2*, *PRIOR3*
- iv. For these variables (*PRIOR2, and PRIOR3*), calculate their respective averages (c_2, c_3) and standard deviations (s_2, s_3) across the entire data set. These values, including *c*, are referred to as the catalysts, and are used later on in the process
- v. Centre and standardize *PRIORC* square and cubic, and refer to them as *PRIOR2C* and *PRIOR3C*
- vi. Generate a vector of 1s and name it as "cons" (that is, add a constant).

8. It is important to make sure that the variables are created correctly, in order to avoid statistical complications in the estimation of the regressions. For this, it is recommended to check that the Pearson correlation amongst the variables is low. The comparison must be done between *PRIORC* and *PRIOR3C*. If there is suspicion that the correlation is high, it is recommended to repeat the calculation of, averages (c, c_2, c_3), standard deviations (s_2, s_3); and or in the calculation of *PRIORC PRIOR2C*, *PRIOR3C*.

Section 9 – Storing and saving catalyst file

1. The averages (c, c_2, c_3) and standard deviations (s_2, s_3) of the whole data set, used for the transformations of the variables are kept in a text file, and saved in a secure folder, since these are used again later on in the process. Table 7 in Annex D provides an example of the format for this file.

Section 10 – Grouping of subjects

1. It is not possible to obtain reliable results for a subject in a qualification when less than 80 exams have been achieved nationally.

2. For these 'small subjects' the attainment is compared against the national lines or either all exams in an SSA for that subject in the qualification or against all exams within the qualification, according to the following rules:

Level 1: Assess against national expectation for all aims in the SSA if the number of aims nationally in the subject is less than 80, and the number of aims nationally in the SSA is greater or equal to 80

Level 2: Assess against national expectation for all aims in the qualification, if the number of aims nationally in the subject is less than 80, and the number of aims nationally in the SSA is less than 80.

3. DT scores can then be calculated for each small subject, but by comparing performance against the SSA/ qualification or qualification national line.

4. A file is then saved, which is detailed in Table 6 in Annex D.

Stage III – MLM Estimation

Input: Annex D, Table 6.

Processes:

- creation of master files and subsets (Section 11)
- defining the specification/ equation (Section 12)
- running the MLM regressions (Section 12)
- output from the MLM (national coefficients) (Section 13)

Output: Annex D, Table 9.

Section 11 – Creation of master files and subsets

1. The basic dataset is uploaded into MLWIN and sorted by exam record and institution. The former represents level 1 of the model and the latter level 2.

Creation of the master file

2. For all qualifications in Annex B, the master file contains the data for all subjects within a qualification. This master files must have all variables created and a model specification in place before continuing to the next stage. The default model that must be set is model type A. In Section 12 and Annex C a complete description of the models is presented.

Creation of subsets

3. Subsets of data are generated for each subject/ qualification to allow calculation of the national lines for each subject/ qualification.

i. Define a subset of data based on a specific subject and save as an independent file, for example, subject = 20101 & qualification = 994 would be the criteria to select all records for NVQ2 Business Studies.

4. The model specification and the process estimation for GNVQ foundation, GNVQ intermediate, BTEC First Diploma, GCSE, short GCSE and vocational GCSE qualifications is different from the other qualifications in the scope of DT. The model specification for these qualifications is identical to the VA model. For further information on the estimation of these models and the calculation of the VA scores, please see the VA Technical Specification (summary) from stages III onwards.

5. It is important to bear in mind that there are independent master files, one for FE provision, which includes GCSEs, and another one for WBL provision.

Section 12 – Defining the specification/ equation

1. The core of the calculation of the DT scores is the statistical model that establishes the relationship between the output attainment and the prior attainment of an individual in a subject qualification. Such relationship is determined using the following model and applying a statistical technique called Multi-Level Modelling. There are two levels in this model:

- Level 1 is the qualification aim record
- Level 2 is institution.

2. For those graded qualifications that are included in the scope of DT, the model used is the one described in the VA specification. Therefore, the next sections will describe the model and calculations for only non-graded qualifications; that is, Key Skills, NVQ, and Apprenticeships.

3. Given that these qualifications are based on a pass-fail scale, the model specified allows for random parameters for the intercept and the first term of the equation. The quadratic and cubic terms are fixed, and thus homogeneous for all cases. The default model is presented below.

4 A complex mathematical procedure involving the manipulation of substantial matrices is used to estimate DT scores. What follows attempt to present these calculations in as comprehensible fashion as possible while retaining the required level of mathematical precision.

5 From this section onwards, the numbering of paragraphs will be suspended in order to avoid confusion with notation and the equation numbers.

Inputs / outputs / transients

Ι	Sub index for exam record
J	Sub index for institution
К	Sub index for subject
Q	Sub index for qualification
$ ho_{ij}$	Pass rate for observation ij
A	DT score – the average extra pass rate
X_{ij}	Individual prior attainment, not centred or standardized
X _f	Transformed prior attainment, centred and standardized, from now onwards referred to as transformed data
C C ₂ , C ₃ , C ₄ ,	Catalyst values described in Section 8, and Annex D Table 7.
S ₂ , S ₃ , S ₄	Catalyst values described in Section 8, and Annex D Table 7.
$\Gamma = (\gamma_0, \gamma_1, \gamma_2, \gamma_3)$	Model coefficients
<i>u</i> _j	The institution coefficients represent the effects of institution j on the pass rate.
$\mathbf{B} = (\boldsymbol{\beta}_0, \boldsymbol{\beta}_1, \boldsymbol{\beta}_2, \boldsymbol{\beta}_3)$	Transformed model coefficients from now onwards referred to as transformed data
μ_{j}	Transformed model institution coefficient vector

The model

The "true" model we are trying to calibrate is generally given by

$$Logit(\rho_{ij}) = \gamma_{0j} + \gamma_{1j}x_{ij} + \gamma_2 x_{ij}^2 + \gamma_3 x_{ij}^3$$

$$\gamma_{0j} = \gamma_0 + u_{0j}$$

$$\gamma_{1j} = \gamma_1 + u_{1j}$$
(1)

 $\gamma = (\gamma_0, \gamma_1, \gamma_2, \gamma_3)$ are model parameters, that are estimated for the national data-set, and u_{0j} and u_{1j} (the institution coefficients) represent the effects of institution j on the pass rate.

Assuming the institution coefficients for all institutions in the national data set follow a normal distribution:

$$\begin{bmatrix} u_0 \\ u_1 \end{bmatrix} \sim \mathbf{N}(0, \Omega_u): \Omega_u = \begin{bmatrix} \sigma_{u0}^2 & \sigma_{u01} \\ \sigma_{u01} & \sigma_{u1}^2 \end{bmatrix}.$$

where
$$\operatorname{logit}(p_{ij}) = \operatorname{log}_{e}(p_{ij}/(1-p_{ij}))$$
 (2)

The prior attainment values are transformed to be centred and standardized, which is done using the "MLM catalyst" numbers, and applying the following formulae.

$x_{f1} = x - c$	(also labelled as PRIORC)	(3)
$x_{f2} = (x^2 - c_2) / s_2$	(also labelled as PRIOR2C)	(4)
$x_{f3} = (x^3 - c_3) / s_3$	(also labelled as PRIOR3C)	(5)

The transformed prior attainment values are the same variables used in the MLM estimation. The values of the catalyst are unique per qualification, since the parameters of the prior attainment in each qualification are very different. After the transformation of the variables has taken place, the model becomes the one described in equation 6 below.

$$Logit(\rho_{ij}) = \beta_{0j} + \beta_{1j} x_{f1ij} + \beta_2 x_{f2ij} + \beta_3 x_{f3ij}$$

$$\beta_{0j} = \beta_0 + \mu_{0j}$$

$$\beta_{1j} = \beta_1 + \mu_{1j}$$
(6)

Assuming the transformed model institution coefficients for all institutions in the national data set follow a normal distribution

$$\begin{bmatrix} \boldsymbol{\mu}_0 \\ \boldsymbol{\mu}_1 \end{bmatrix} \sim \mathbf{N} (0, \boldsymbol{\Omega}_{\mu}) : \boldsymbol{\Omega}_{\mu} = \begin{bmatrix} \boldsymbol{\sigma}_{\mu 0}^2 & \boldsymbol{\sigma}_{\mu 01} \\ \boldsymbol{\sigma}_{\mu 01} & \boldsymbol{\sigma}_{\mu 1}^2 \end{bmatrix}.$$

While the calculation processes are based on the transformed model, the exact model run in MLM depended on the number of observations per file. A complete description of the type of models can be found in Table B and Annex C.

Table B: Model specification according to the number of exam records

Type of Model	Number of exam records	Model
A	More than 1000	Fixed cubic with institution intercept and slope.
В	501-1000	Fixed cubic with linear institution effects (intercept only)
E	80-500	Fixed quadratic with constant institution effects

If the number of exam records in the model is less than 80, then it is not recommended to estimate any model, but combine with another subject following criteria defined in Section 10.

Running the MLM regressions

The procedures describe how the national expected probability is estimated, that is, the vector of coefficients betas (B) and the variance covariance matrix that describe the national estimates of expected probability per subject per qualification.

Iterative Generalized Linear Squares (IGLS) is used to determine starting point for the regressions based on Markov Chain Monte Carlos (MCMC) process.

As in the case of VA, the matrix of variance-covariance at the end of the IGLS process must have converged into a positive definitive matrix.

Markov Chain Monte Carlos (MCMC)

- i. MCMC is a simulation technique, and it does not converge to a single best solution. Expertise in interpreting the run diagnostics is required to decide when the simulation has reached a local optimum.
- ii. When analysing the MCMC diagnostics the Brooks-Draper mean (Nhat) should be under the length of the monitoring chain. Also, the Monte Carlo standard error (MCSE) should be at a level that indicates that extending the run chain would only result in a marginal reduction of the MCSE.

Section 13 – Output from the MLM (national coefficients)

1. The output of the estimation is then going to be used in the calculation of the DT scores. Tables C and D show the structure of the MLWIN outputs. These outputs will be used in the process of calculating DT scores. The output of the variance-covariance matrix is stored in a specific format in a given column of MLWIN data set. The same is done for the output coefficients.

Row	Parameter	Meaning	Model A	Model B	Model C
1	$\sigma^{_2}_{_{\mu 0}}$	Variance of B_0	Value	Value	Value
2	$\sigma_{_{\mu 0,\mu 1}}$	Covariance of B_0 , B_1	Value	1*	1*
3	$\sigma_{_{\mu1}}^{_2}$	Variance of B_1	Value	0	0
4	3	Variance of error term	1	0	0

Table C: Structure of output of the variance covariance matrix for each type of model.

* This value corresponds to the variance of error term in these models.

2. From Table 4 below, it is important to note that there are not specific coefficients for the institutional (μ_{ij}) and individual (ε_{ij}) terms of the regression. These are specific per institution and exam record in subject.

Table D. Shuchard Of Sulpar column of the coefficients for each type of model.
--

Row	Parameter	Meaning	Model A	Model B	Model C
1	\mathbf{B}_0	Intercept	Value	Value	Value
2	B_1	PRIORC	Value	Value	Value
3	B ₂	PRIORC square	Value	Value	Value
4	B ₃	PRIORC cubic	Value	Value	0

3. The MLM outputs for all the estimations performed should be compiled in a single file. The format of such file is shown in Table 9 in Annex D.

Stage IV – DT calculation

Input: Annex D, Table 5, Table 7, and Table 8.

Processes:

- calculation of the institution DT curve and score per subject/ qualification (Section 14)
- aggregation of distributions within qualification (Section 15)
- aggregation of distributions within SSA within qualification (Section 16)
- specification of aggregated DT output files (Section 17)

Output: Annex D, Table 10 and Table 11.

Section 14 – Calculation of the institution DT curve and score per subject/ qualification

The calculation of the DT score, the associated confidence intervals and the national and institution curves of expected pass rate against prior attainment for each subject and qualification involve a certain level of mathematical manipulation.

Only qualifications that have a dichotomous outcome (pass/ fail) are subjected to this treatment. For qualifications with graded outcomes the VA calculation process is used.

The calculation process generates probability distributions of expected pass rate for each level of prior attainment at sufficient level of granularity to be able to develop the national and institutional expectation curves and thus sufficiently accurate and robust DT scores. Thus, a DT score describes the effect of each institution on the pass rate for that subject in that qualification, given the prior attainment of learners in that institution compared with the prior attainment of all learners taking that subject in that qualification.

The main steps in the calculation are:

- A transformed pass rate model of estimates of the national expected pass rate and institution effects is calculated using MLM
- Estimates of the distribution of institution effect (μ_j) are then developed using a lattice of values with sufficiently granularity and spread to adequately describe the probability distribution
- The lattice of values for μ_j are used to define matrices of model coefficients B and B_j and vectors of institution coefficients μ_{0i} and μ_{1i}
- Matrices of predicted pass and fail rates for the *n* exam records at each point on the lattice of values for μ_i are then calculated
- The vector expected pass rate values at an institution [$P(\mu_i | data)$] are then calculated.
- The DT score, the average extra pass rate at institution j, is estimated by the average distance between the national and institution trend lines
- The probability distribution of the DT score, and thus the Confidence Interval (CI), are calculated by accumulating $P(\mu_i | data)$ based on the sorted values of the DT scores

Transformed pass rate model

As described in Section 12, the estimates of pass rate are generated using MLM run on the transformed model:

$$\begin{split} & \text{logit}(p_{ij}) = \beta_{0j} + \beta_{1j} x_{f1ij} + \beta_2 x_{f2ij} + \beta_3 x_{f3ij}, \end{split} \tag{2} \\ & \beta_{0j} = \beta_0 + \mu_{0j} \\ & \beta_{1j} = \beta_1 + \mu_{1j} \\ & \boldsymbol{\beta} = (\beta_0, \beta_1, \beta_2, \beta_3) \text{ and } \mu_{0j} \text{ and } \mu_{1j} \text{ are the transformed model parameters.} \end{split}$$

The institution coefficients for all institutions in the national data set are assumed to follow a normal distribution;

$$\begin{bmatrix} \mu_0 \\ \mu_1 \end{bmatrix} \sim \mathbf{N}(\mathbf{0}, \boldsymbol{\Omega}_{\mu}) : \boldsymbol{\Omega}_{\mu} = \begin{bmatrix} \sigma_{\mu 0}^2 & \sigma_{\mu 01} \\ \sigma_{\mu 01} & \sigma_{\mu 1}^2 \end{bmatrix}.$$

The calculation of the conditional probability distributions and the DT scores are based on this transformed model.

Distribution of μ_j for institution data

For new pass rate and prior attainment data, we use Bayes Theorem

$$P(\boldsymbol{\mu}_{j} \mid data) = \frac{P(data \mid \boldsymbol{\mu}_{j}) \cdot P(\boldsymbol{\mu}_{j})}{\sum_{R^{2}} P(data \mid \boldsymbol{\mu}_{j}) \cdot P(\boldsymbol{\mu}_{j})}$$
(3)

to estimate the distribution of $\boldsymbol{\mu}_j = (\mu_{0j}, \mu_{1j})$ for institution j, where $\boldsymbol{\mu}_j \sim N(\mathbf{0}, \Omega_{\mu})$; such that it has a bivariate normal distribution.

The denominator $\sum_{R^2} P(data \mid \mu_j) P(\mu_j)$ in Bayes Theorem acts as a normalising factor.

The bivariate normal distribution of μ_i is given by

$$\mathbf{P}(\boldsymbol{\mu}_{j}) = K \cdot \exp\left\{-\frac{1}{2(1-\rho^{2})}\left[\frac{\mu_{0j}^{2}}{\sigma_{\mu0}^{2}} - \frac{2\sigma_{\mu01}\mu_{0j}\cdot\mu_{1j}}{\sigma_{\mu0}^{2}\sigma_{\mu1}^{2}} + \frac{\mu_{1j}^{2}}{\sigma_{\mu1}^{2}}\right]\right\},$$
(4)

where $\rho = \sigma_{\mu 01} / \sigma_{\mu 0} \sigma_{\mu 1}$ is the correlation between μ_{0j} and μ_{1j} and where $K^{-1} = 2\pi \sigma_{\mu 0} \sigma_{\mu 1} \sqrt{1 - \rho^2}$ is a normalising constant.

For new institution data, comprising of prior attainments and passes and fails,

$$\mathbf{P}(data \mid \boldsymbol{\mu}_{j}) = \prod_{\substack{\forall i \in J: \\ y_{i}=1}} p_{ij} \cdot \prod_{\substack{\forall i \in J: \\ y_{i}=0}} q_{ij} \ . \tag{5}$$

where the pass rate (p_{ij}) for exam record i and institution j is given by equation (2) and the fail rate (q_{ij}) is given by $q_{ij} = 1 - p_{ij}$.

The estimated values of the institution coefficients μ_{0j} and μ_{1j} , and the elements of their variance matrix $\boldsymbol{\tau}_{j}$ are given by the following expressions;

$$\hat{\boldsymbol{\mu}}_{0j} = \int_{\mathbb{R}^2} \boldsymbol{\mu}_{0j} \mathbf{P}(\boldsymbol{\mu}_j \mid data) d\boldsymbol{\mu}_j , \qquad (6)$$

$$\hat{\boldsymbol{\mu}}_{1j} = \int_{R^2} \boldsymbol{\mu}_{1j} \mathbf{P}(\boldsymbol{\mu}_j \mid data) d\boldsymbol{\mu}_j , \qquad (7)$$

$$\hat{\tau}_{0j}^{2} = \int_{R^{2}} \mu_{0j}^{2} \mathbf{P}(\boldsymbol{\mu}_{j} \mid data) d\boldsymbol{\mu}_{j} - \hat{\mu}_{0j}^{2}, \qquad (8)$$

$$\hat{\tau}_{01j} = \int_{R^2} \mu_{0j} \mu_{1j} \mathbf{P}(\boldsymbol{\mu}_j \mid data) d\boldsymbol{\mu}_j - \hat{\mu}_{0j} \hat{\mu}_{1j} \text{ and }$$
(9)

$$\hat{\tau}_{1j}^2 = \int_{R^2} \mu_{1j}^2 \mathbf{P}(\boldsymbol{\mu}_j \mid data) d\boldsymbol{\mu}_j - \hat{\mu}_{1j}^2.$$
(10)

Estimation of μ_i for institution data

Lattice of values for μ_i

In order to determine equation (3) for institution data, we assume the institution coefficients μ_j follow a bivariate normal distribution and construct a lattice of plausible values of μ_j set at ±3 standard deviations about 0, in order to approximate the sum in the denominator of equation (3) which is over R².

Therefore an interval for μ_{0j} is given by $(-(3-3/m)\sigma_{\mu 0}, (3-3/m)\sigma_{\mu 0})$ with step $6\sigma_{\mu 0}/m$ and an interval for μ_{1j} is given by $(-(3-3/m)\sigma_{\mu 1}, (3-3/m)\sigma_{\mu 1})$ with step $6\sigma_{\mu 1}/m$, where *m* (the granularity) is a large integer, usually 200. If *m* = 200 then we have 200 values for μ_{0j} and 200 values for μ_{1j} and a lattice of 40,000 values for μ_{j} .

Model coefficients

The lattice of m^2 values for μ_j allow us to define matrices of model coefficients \boldsymbol{B} and \boldsymbol{B}_j of size $m^2 \times 4$ and vectors of institution coefficients $\boldsymbol{\mu}_{0j}$ and $\boldsymbol{\mu}_{1j}$ of size $m^2 \times 1$ as follows

$$\boldsymbol{B} = \begin{bmatrix} \beta_{0} & \beta_{1} & \beta_{2} & \beta_{3} \\ \beta_{0} & \beta_{1} & \beta_{2} & \beta_{3} \\ \vdots & \vdots & \vdots & \vdots \\ \beta_{0} & \beta_{1} & \beta_{2} & \beta_{3} \\ \vdots & \vdots & \vdots & \vdots \\ \beta_{0} & \beta_{1} & \beta_{2} & \beta_{3} \\ \vdots & \vdots & \vdots & \vdots \\ \beta_{0} & \beta_{1} & \beta_{2} & \beta_{3} \\ \vdots & \vdots & \vdots & \vdots \\ \beta_{0} & \beta_{1} & \beta_{2} & \beta_{3} \\ \vdots & \vdots & \vdots & \vdots \\ \beta_{0} & \beta_{1} & \beta_{2} & \beta_{3} \\ \vdots & \vdots & \vdots & \vdots \\ \beta_{0} & \beta_{1} & \beta_{2} & \beta_{3} \\ \vdots & \vdots & \vdots & \vdots \\ \beta_{0} & \beta_{1} & \beta_{2} & \beta_{3} \\ \beta_{0} & \beta_{1} & \beta_{2} & \beta_{3} \\ \vdots & \vdots & \vdots & \vdots \\ \beta_{0} & \beta_{1} & \beta_{2} & \beta_{3} \\ \beta_{0} & \beta_{1} & \beta_{2} & \beta_{3} \\ \vdots & \vdots & \vdots & \vdots \\ \beta_{0} & \beta_{1} & \beta_{2} & \beta_{3} \\ \vdots & \vdots & \vdots & \vdots \\ \beta_{0} & \beta_{1} & \beta_{2} & \beta_{3} \\ \vdots & \vdots & \vdots & \vdots \\ \beta_{0} & \beta_{1} & \beta_{2} & \beta_{3} \\ \vdots & \vdots & \vdots & \vdots \\ \beta_{0} & +\mu_{0j1} & \beta_{1} + \mu_{1jm} & \beta_{2} & \beta_{3} \\ \beta_{0} & +\mu_{0j2} & \beta_{1} + \mu_{1jm} & \beta_{2} & \beta_{3} \\ \vdots & \vdots & \vdots & \vdots \\ \beta_{0} & +\mu_{0j2} & \beta_{1} + \mu_{1jm} & \beta_{2} & \beta_{3} \\ \vdots & \vdots & \vdots & \vdots \\ \beta_{0} & +\mu_{0jm} & \beta_{1} + \mu_{1jm} & \beta_{2} & \beta_{3} \end{bmatrix}, \boldsymbol{\mu}_{0j1} \boldsymbol{\mu}_{0j1}$$
 and $\boldsymbol{\mu}_{1j} = \begin{bmatrix} \mu_{1j1} \\ \mu_{0j1} \\ \mu_{0j2} \\ \vdots \\ \mu_{0jm} \\ \mu_{1jm} \\ \mu_{1jm} \\ \mu_{1jm} \\ \vdots \\ \mu_{1jm} \end{bmatrix}$

New institution data

Using a matrix notation, the new institution data of transformed prior attainments for the *n* exam records is given by the $4 \times n$ matrix

$$\boldsymbol{X}_{fj} = \begin{bmatrix} 1 & 1 & \dots & 1 \\ x_{f11j} & x_{f12j} & \dots & x_{f1nj} \\ x_{f21j} & x_{f22j} & \dots & x_{f2nj} \\ x_{f31j} & x_{f32j} & \dots & x_{f3nj} \end{bmatrix}$$

and the $1 \times n$ indicator vector of exam records is given by $y_j = [y_{1j}, y_{2j} \dots y_{nj}]$ where $y_{ij} = 1$ for a pass and $y_{ij} = 0$ for a fail.

Calculation

The $m^2 \times n$ matrices of predicted pass and fail rates for the *n* exam records at each point on the lattice of m^2 values for μ_i are given by

$$\boldsymbol{P}_{j} = \frac{\exp(\boldsymbol{B}_{j}\boldsymbol{X}_{fj})}{1 + \exp(\boldsymbol{B}_{j}\boldsymbol{X}_{fj})} \text{ and } (11)$$
$$\boldsymbol{Q}_{j} = 1 - \boldsymbol{P}_{j}. (12)$$

In the above and following calculations the following conventions are used. XY is the matrix product of matrices X and Y, $X \cdot Y$ is the element-by-element product and X/Y is the element-by-element division.

Then equation (5) is given by the following

$$P(data \mid \boldsymbol{\mu}_{j}) = \exp\left\{\log_{e}(\boldsymbol{P}_{j})\boldsymbol{y}_{j}^{\mathrm{T}} + \log_{e}(\boldsymbol{Q}_{j})(\boldsymbol{1} - \boldsymbol{y}_{j}^{\mathrm{T}})\right\},$$
(13)

where y_j^{T} is the transpose of y_j , **1** is $m^2 \times 1$ column vector of 1's and $P(data | \mu_j)$ is a $m^2 \times 1$ column vector.

The $m^2 \times 1$ column vector $P(\boldsymbol{\mu}_j)$ is calculated from $\sigma_{\mu 01}$, $\sigma_{\mu 0}$ and $\sigma_{\mu 1}$ and by substituting the vectors $\boldsymbol{\mu}_{0j}$ and $\boldsymbol{\mu}_{1j}$ for $\boldsymbol{\mu}_{0j}$ and $\boldsymbol{\mu}_{1j}$ into equation (4).

The normalising constant *K* can be ignored as it cancels out in the calculation of equation (3). The $m^2 \times 1$ column vector $P(\boldsymbol{\mu}_j | data)$, from equation (3), then follows by calculating the element-byelement product $P(data | \boldsymbol{\mu}_j) \cdot P(\boldsymbol{\mu}_j)$, which is normalised (denominator in equation (3)) by dividing each element by the sum of all the elements in $P(data | \boldsymbol{\mu}_j) \cdot P(\boldsymbol{\mu}_j)$.

Equations (6)-(10) are then calculated using the following expressions;

$$\hat{\boldsymbol{\mu}}_{0j} = \boldsymbol{\mu}_{0j}^{\mathrm{T}} \mathbf{P}(\boldsymbol{\mu}_{j} \mid data), \qquad (14)$$

$$\hat{\boldsymbol{\mu}}_{1j} = \boldsymbol{\mu}_{1j}^{\mathrm{T}} \mathbf{P}(\boldsymbol{\mu}_j \mid data), \qquad (15)$$

$$\hat{\tau}_{0j}^{2} = (\boldsymbol{\mu}_{0j}^{\mathrm{T}})^{2} \mathbf{P}(\boldsymbol{\mu}_{j} \mid data) - \hat{\mu}_{0j}^{2},$$
(16)

$$\hat{\tau}_{1j}^2 = (\mu_{1j}^{\mathrm{T}})^2 \mathbf{P}(\mu_j \mid data) - \hat{\mu}_{1j}^2 \text{ and }$$
(17)

$$\hat{\boldsymbol{\tau}}_{01j} = (\boldsymbol{\mu}_{0j} \cdot \boldsymbol{\mu}_{1j})^{\mathrm{T}} \mathbf{P}(\boldsymbol{\mu}_{j} \mid data) - \hat{\boldsymbol{\mu}}_{0j} \cdot \hat{\boldsymbol{\mu}}_{1j}.$$
(18)

DT score

The DT score, the average extra pass rate at institution j, is estimated by the average distance between the national and institution trend lines. The institution trend line is determined by the model coefficients $\boldsymbol{\beta}_{j} = (\beta_{0} + \hat{\mu}_{0j}, \beta_{1} + \hat{\mu}_{1j}, \beta_{2}, \beta_{3})$ and the national line by the coefficients $\boldsymbol{\beta} = (\beta_{0}, \beta_{1}, \beta_{2}, \beta_{3})$. The institution and national fitted pass rate trend curves are given by the $1 \times n$ row vectors;

$$\boldsymbol{p}_{j} = \frac{\exp(\boldsymbol{\beta}_{j}\boldsymbol{X}_{fj})}{1 + \exp(\boldsymbol{\beta}_{j}\boldsymbol{X}_{fj})} \text{ and (19)}$$
$$\boldsymbol{p}_{0} = \frac{\exp(\boldsymbol{\beta}\boldsymbol{X}_{fj})}{1 + \exp(\boldsymbol{\beta}\boldsymbol{X}_{fj})}.$$
(20)

Then the DT score is simply given by the average of the elements of a_i , where

$$\boldsymbol{a}_{i} = \boldsymbol{p}_{i} - \boldsymbol{p}_{0} \tag{21}$$

is a $1 \times n$ row vector.

Confidence interval

The institution and national fitted pass rate trend curves at the given hypothesised values of μ_j are given by the $m^2 \times n$ matrices;

$$\boldsymbol{P}_{j} = \frac{\exp(\boldsymbol{B}_{j}\boldsymbol{X}_{fj})}{1 + \exp(\boldsymbol{B}_{j}\boldsymbol{X}_{fj})} \text{ and } (22)$$
$$\boldsymbol{P}_{0} = \frac{\exp(\boldsymbol{B}\boldsymbol{X}_{fj})}{1 + \exp(\boldsymbol{B}\boldsymbol{X}_{fj})}.$$
(23)

Then the DT scores at the hypothesised value of μ_j are given by the average of the elements in each row of A_j , where

$$\boldsymbol{A}_{j} = \boldsymbol{P}_{j} - \boldsymbol{P}_{0} \tag{24}$$

is an $m^2 \times n$ matrix.

The probability distribution of the DT score, and thus the CI, are calculated by accumulating $P(\mu_i | data)$ based on the sorted values of the DT scores.

Section 15 – Aggregation of distributions within qualification

To calculate the institution pass rate curve and DT score for a number of subjects within a qualification, the results of the subjects are combined together using a weighted average, applying an index k for each subject within a qualification q.

To calculate the pass rate for a qualification the model parameters are averaged across all the subjects and then the average parameters are used to calculate the national and institution trend lines and the DT score as in Section 14. The institution coefficients are assumed to follow a bivariate normal distribution and a lattice of values of institution coefficients is constructed and used to determine confidence intervals for the pass rate curve and DT scores in a similar manner to Section 14.

The first step is to create a distribution of overall (average) parameters, assuming subjects are independent. This assumption is seen as robust as for nearly all of the pass/ fail qualifications in 16-18 DT, the majority of learners only take one of these qualifications at a time (e.g. learners only take one NVQ Level 2 at a time, and not three or four, as is the case with A levels).

The overall parameters are given by the average weighted by the number of exam records;

$$\boldsymbol{\beta}_{q} = \frac{1}{N} \cdot \sum_{k=1}^{K} n_{jk} \cdot \boldsymbol{\beta}_{k}, \qquad (25)$$
$$\hat{\boldsymbol{\mu}}_{jq} = \frac{1}{N} \cdot \sum_{k=1}^{K} n_{jk} \cdot \hat{\boldsymbol{\mu}}_{jk} \text{ and } (26)$$
$$\boldsymbol{\tau}_{jq} = \frac{1}{N^{2}} \cdot \sum_{k=1}^{K} n_{jk}^{2} \cdot \boldsymbol{\tau}_{jk}. \qquad (27)$$

where $\boldsymbol{\beta}_q = (\beta_{0q}, \beta_{1q}, \beta_{2q}, \beta_{3q})$ are the transformed model parameters for qualification q, and are estimated as the weighted mean of $\boldsymbol{\beta}_k = (\beta_{0k}, \beta_{1k}, \beta_{2k}, \beta_{3k})$,

the national parameter estimates for each subject. $\hat{\boldsymbol{\mu}}_{jq} = (\hat{\mu}_{0jq}, \hat{\mu}_{1jq})$ are the estimated values of the institution coefficients of each qualification, given by the weighted mean of $\hat{\boldsymbol{\mu}}_{jk} = (\hat{\mu}_{0jk}, \hat{\mu}_{1jk})$,

the values of the institution coefficients of each subject within the qualification estimated using the methods of Section 14 (equations (14) and (15)). $\boldsymbol{\tau}_{jq} = \begin{bmatrix} \tau_{0jq}^2 & \tau_{01jq} \\ \tau_{01jq} & \tau_{1jq}^2 \end{bmatrix}$ are the estimates of variances of

the institution effect on expected attainment of a qualification, which are the weighted mean of

$$\boldsymbol{\tau}_{jk} = \begin{bmatrix} \boldsymbol{\tau}_{0jk}^2 & \boldsymbol{\tau}_{01jk} \\ \boldsymbol{\tau}_{01jk} & \boldsymbol{\tau}_{1jk}^2 \end{bmatrix},$$

the variances of the institution effect on the expected attainment of each subject within the qualification estimated using the methods of Section 14 (equations (16)-(18)). Where $N = \sum_{k=1}^{K} n_{jk}$ and $N^2 = \sum_{k=1}^{K} n_{jk}^2$.

Distribution of v_{ia}

Assuming the institution coefficients $\boldsymbol{\mu}_{jq} = (\mu_{0jq}, \mu_{1jq})$ follow the normal distribution, we can let $\boldsymbol{\mu}_{jq} = \hat{\boldsymbol{\mu}}_{jq} + \boldsymbol{v}_{jq}$ and then $\boldsymbol{v}_{jq} = (v_{0jq}, v_{1jq})$ follow the distribution

$$\begin{bmatrix} \boldsymbol{v}_{0jq} \\ \boldsymbol{v}_{1jq} \end{bmatrix} \sim \mathbf{N}(\mathbf{0}, \boldsymbol{\tau}_{jq}): \boldsymbol{\tau}_{jq} = \begin{bmatrix} \boldsymbol{\tau}_{0jq}^2 & \boldsymbol{\tau}_{01jq} \\ \boldsymbol{\tau}_{01jq} & \boldsymbol{\tau}_{1jq}^2 \end{bmatrix},$$

where μ_{jq} is the "true" parameter and $\hat{\mu}_{jq}$ is an estimate. The distribution of $v_{jq} = (v_{0jq}, v_{1jq})$ for qualification q in institution j is given by

$$P(\mathbf{v}_{jq}) = \frac{Q(\mathbf{v}_{jq})}{\sum_{R^2} Q(\mathbf{v}_{jq})},$$
 (28)

where the denominator $\sum_{R^2} Q(\mathbf{v}_{jq})$ acts as normalizing factor to ensure the distribution sums to one over the restricted space used in the following analysis.

The bivariate normal distribution of $v_{jq} = (v_{0jq}, v_{1jq})$ is given by

$$Q(\mathbf{v}_{jq}) = A \cdot \exp\left\{-\frac{1}{2(1-\lambda^2)}\left[\frac{v_{0jq}^2}{\tau_{0jq}^2} - \frac{2\tau_{01jq}v_{0jq} \cdot v_{1jq}}{\tau_{0jq}^2\tau_{1jq}^2} + \frac{v_{1jq}^2}{\tau_{1jq}^2}\right]\right\},$$
 (29)

where $\lambda = \tau_{01jq} / \tau_{0jq} \tau_{1jq}$ is the correlation between v_{0jq} and v_{1jq} , and where $A^{-1} = 2\pi \tau_{0jq} \tau_{1jq} \sqrt{1 - \lambda^2}$ is a normalizing constant.

Lattice of values for v_{ia}

In order to determine equation (28) for new institution data, we assume \mathbf{v}_{jq} follows a bivariate normal distribution and construct a lattice of plausible values of \mathbf{v}_{jq} set at ±3 standard deviations about 0, in order to approximate the sum in the denominator of equation (28) which is over R². Therefore an interval for v_{0jq} is given by $(-(3-3/m)\tau_{0jq}, (3-3/m)\tau_{0jq})$ with step $6\tau_{0jq}/m$ and the interval for v_{1jq} is given by $(-(3-3/m)\tau_{1jq})$ with step $6\tau_{1jq}/m$, where *m* (the granularity) is a large integer, usually 200. If m = 200 then we have 200 values for v_{0jq} and 200 values for v_{1jq} and a lattice of 40,000 values for \mathbf{v}_{jq} .

Model coefficients

The lattice of m^2 values for v_{jq} allow us to define matrices of model coefficients B_q and B_{jq} of size $m^2 \times 4$ and vectors v_{0jq} and v_{1jq} of size $m^2 \times 1$ as follows;

$$\boldsymbol{B}_{q} = \begin{bmatrix} \beta_{0q} & \beta_{1q} & \beta_{2q} & \beta_{3q} \\ \beta_{0q} & \beta_{1q} & \beta_{2q} & \beta_{3q} \\ \vdots & \vdots & \vdots & \vdots \\ \beta_{0q} & \beta_{1q} & \beta_{2q} & \beta_{3q} \\ \beta_{0q} & \beta_{1q} & \beta_{2q} & \beta_{3q} \\ \beta_{0q} & \beta_{1q} & \beta_{2q} & \beta_{3q} \\ \vdots & \vdots & \vdots & \vdots \\ \beta_{0q} & \beta_{1q} & \beta_{2q} & \beta_{3q} \\ \vdots & \vdots & \vdots & \vdots \\ \beta_{0q} & \beta_{1q} & \beta_{2q} & \beta_{3q} \\ \beta_{0q} & \beta_{1q} & \beta_{2q} & \beta_{3q} \\ \vdots & \vdots & \vdots & \vdots \\ \beta_{0q} & \beta_{1q} & \beta_{2q} & \beta_{3q} \\ \vdots & \vdots & \vdots & \vdots \\ \beta_{0q} & \beta_{1q} & \beta_{2q} & \beta_{3q} \\ \vdots & \vdots & \vdots & \vdots \\ \beta_{0q} & \beta_{1q} & \beta_{2q} & \beta_{3q} \end{bmatrix}$$

$$\boldsymbol{B}_{jq} = \begin{bmatrix} \beta_{0q} + \hat{\mu}_{0jq} + v_{0jq1} & \beta_{1q} + \hat{\mu}_{1jq} + v_{1jq1} & \beta_{2q} & \beta_{3q} \\ \beta_{0q} + \hat{\mu}_{0jq} + v_{0jq2} & \beta_{1q} + \hat{\mu}_{1jq} + v_{1jq1} & \beta_{2q} & \beta_{3q} \\ \vdots & \vdots & \vdots & \vdots & \vdots \\ \beta_{0q} + \hat{\mu}_{0jq} + v_{0jqm} & \beta_{1q} + \hat{\mu}_{1jq} + v_{1jq1} & \beta_{2q} & \beta_{3q} \\ \beta_{0q} + \hat{\mu}_{0jq} + v_{0jq1} & \beta_{1q} + \hat{\mu}_{1jq} + v_{1jq2} & \beta_{2q} & \beta_{3q} \\ \beta_{0q} + \hat{\mu}_{0jq} + v_{0jq2} & \beta_{1q} + \hat{\mu}_{1jq} + v_{1jq2} & \beta_{2q} & \beta_{3q} \\ \vdots & \vdots & \vdots & \vdots & \vdots \\ \beta_{0q} + \hat{\mu}_{0jq} + v_{0jqm} & \beta_{1q} + \hat{\mu}_{1jq} + v_{1jq2} & \beta_{2q} & \beta_{3q} \\ \vdots & \vdots & \vdots & \vdots & \vdots \\ \beta_{0q} + \hat{\mu}_{0jq} + v_{0jq1} & \beta_{1q} + \hat{\mu}_{1jq} + v_{1jq2} & \beta_{2q} & \beta_{3q} \\ \beta_{0q} + \hat{\mu}_{0jq} + v_{0jq2} & \beta_{1q} + \hat{\mu}_{1jq} + v_{1jqm} & \beta_{2q} & \beta_{3q} \\ \beta_{0q} + \hat{\mu}_{0jq} + v_{0jq2} & \beta_{1q} + \hat{\mu}_{1jq} + v_{1jqm} & \beta_{2q} & \beta_{3q} \\ \beta_{0q} + \hat{\mu}_{0jq} + v_{0jq2} & \beta_{1q} + \hat{\mu}_{1jq} + v_{1jqm} & \beta_{2q} & \beta_{3q} \\ \vdots & \vdots & \vdots & \vdots & \vdots \\ \beta_{0q} + \hat{\mu}_{0jq} + v_{0jq2} & \beta_{1q} + \hat{\mu}_{1jq} + v_{1jqm} & \beta_{2q} & \beta_{3q} \\ \beta_{0q} + \hat{\mu}_{0jq} + v_{0jq2} & \beta_{1q} + \hat{\mu}_{1jq} + v_{1jqm} & \beta_{2q} & \beta_{3q} \\ \vdots & \vdots & \vdots & \vdots & \vdots \\ \beta_{0q} + \hat{\mu}_{0jq} + v_{0jq2} & \beta_{1q} + \hat{\mu}_{1jq} + v_{1jqm} & \beta_{2q} & \beta_{3q} \\ \vdots & \vdots & \vdots & \vdots & \vdots \\ \beta_{0q} + \hat{\mu}_{0jq} + v_{0jq2} & \beta_{1q} + \hat{\mu}_{1jq} + v_{1jqm} & \beta_{2q} & \beta_{3q} \\ \vdots & \vdots & \vdots & \vdots & \vdots \\ \beta_{0q} + \hat{\mu}_{0jq} + v_{0jq2} & \beta_{1q} + \hat{\mu}_{1jq} + v_{1jqm} & \beta_{2q} & \beta_{3q} \\ \vdots & \vdots & \vdots & \vdots & \vdots \\ \beta_{0q} + \hat{\mu}_{0jq} + v_{0jqm} & \beta_{1q} + \hat{\mu}_{1jq} + v_{1jqm} & \beta_{2q} & \beta_{3q} \\ \vdots & \vdots & \vdots & \vdots \\ \beta_{0q} + \hat{\mu}_{0jq} + v_{0jqm} & \beta_{1q} + \hat{\mu}_{1jq} + v_{1jqm} & \beta_{2q} & \beta_{3q} \\ \vdots & \vdots & \vdots & \vdots \\ \beta_{0q} + \hat{\mu}_{0jq} + v_{0jqm} & \beta_{1q} + \hat{\mu}_{1jq} + v_{1jqm} & \beta_{2q} & \beta_{3q} \\ \vdots & \vdots & \vdots & \vdots \\ \beta_{0q} + \hat{\mu}_{0jq} + v_{0jqm} & \beta_{1q} + \hat{\mu}_{1jq} + v_{1jqm} & \beta_{2q} & \beta_{3q} \\ \vdots & \vdots & \vdots & \vdots & \vdots \\ \beta_{0q} + \hat{\mu}_{0jq} + v_{0jqm} & \beta_{1q} + \hat{\mu}_{1jq} + v_{1jqm} & \beta_{2q} & \beta_{3q} \\ \vdots & \vdots & \vdots & \vdots & \vdots \\ \beta_{0q} + \hat{\mu}_{0jq} + v_{0jqm} & \beta_{1q} + \hat{\mu}_{1jq} + v_{1jqm} & \beta_{1q} & \beta_{1q} & \beta_{1q} & \beta_{1q} &$$

Institution data

Using a matrix notation, the new data of transformed prior attainments for the $N\,$ exam records in a qualification is given by the $4\times N\,$ matrix

$$\boldsymbol{X}_{fjq} = \begin{bmatrix} 1 & 1 & \dots & 1 \\ x_{f11jq} & x_{f12jq} & \dots & x_{f1Njq} \\ x_{f21jq} & x_{f22jq} & \dots & x_{f2Njq} \\ x_{f31jq} & x_{f32jq} & \dots & x_{f3Njq} \end{bmatrix}$$

and the $1 \times N$ indicator vector of exam records is given by $y_{jq} = [y_{1jq}, y_{2jq} \dots y_{Njq}]$ where $y_{ijq} = 1$ for a

pass and $y_{ijq} = 0$ for a fail, where $N = \sum_{k=1}^{K} n_{jk}$.

Calculation

The $m^2 \times 1$ column vector $\mathbf{Q}(\mathbf{v}_{jq})$ is calculated from τ_{01jq} , τ_{0jq} and τ_{1jq} and by substituting \mathbf{v}_{0jq} and \mathbf{v}_{1jq} for v_{0jq} and v_{1jq} into equation (29). The normalising constant A can be ignored as it cancels out in the calculation of equation (28). The $m^2 \times 1$ column vector $\mathbf{P}(\mathbf{v}_{jq})$, from equation (28), is normalised (denominator in equation (28)) by dividing each element by the sum of all the elements in $\mathbf{Q}(\mathbf{v}_{jq})$.

DT score

The DT score, the average extra pass rate for qualification q at institution j, is estimated by the average distance between the national and institution trend lines. The institution trend line for a qualification is determined by the model coefficients

 $\boldsymbol{\beta}_{jq} = (\beta_{0q} + \hat{\mu}_{0jq}, \beta_{1q} + \hat{\mu}_{1jq}, \beta_{2q}, \beta_{3q})$ and the national line by the coefficients $\boldsymbol{\beta}_{q} = (\beta_{0q}, \beta_{1q}, \beta_{2q}, \beta_{3q}).$ The institution and national fitted pass rate trend curves are given by the $1 \times N$ row vectors;

$$\boldsymbol{p}_{jq} = \frac{\exp(\boldsymbol{\beta}_{jq} \boldsymbol{X}_{fjq})}{1 + \exp(\boldsymbol{\beta}_{jq} \boldsymbol{X}_{fjq})} \text{ and (30)}$$
$$\boldsymbol{p}_{0q} = \frac{\exp(\boldsymbol{\beta}_{q} \boldsymbol{X}_{fjq})}{1 + \exp(\boldsymbol{\beta}_{q} \boldsymbol{X}_{fjq})}. (31)$$

Then the DT score is simply given by the average of the elements of a_{ia} , where

$$\boldsymbol{a}_{jq} = \boldsymbol{p}_{jq} - \boldsymbol{p}_{0q} \quad (32)$$

is a $1 \times N$ row vectors.

Confidence interval

The institution and national fitted pass rate trend curves for a qualification at the given hypothesised value of v_{iq} are given by the $m^2 \times N$ matrices;

$$\boldsymbol{P}_{jq} = \frac{\exp(\boldsymbol{B}_{jq}\boldsymbol{X}_{fjq})}{1 + \exp(\boldsymbol{B}_{jq}\boldsymbol{X}_{fjq})} \text{ and (33)}$$
$$\boldsymbol{P}_{0q} = \frac{\exp(\boldsymbol{B}_{q}\boldsymbol{X}_{fjq})}{1 + \exp(\boldsymbol{B}_{q}\boldsymbol{X}_{fjq})}.$$
(34)

Then the DT scores for a qualification at the hypothesised value of v_{jq} are given by the average of the elements in each row of A_{jq} , where

$$oldsymbol{A}_{jq}=oldsymbol{P}_{jq}$$
 - $oldsymbol{P}_{0q}$ (35)

is an $m^2 \times N$ matrix. The probability distribution of the DT score, and thus the CI, are calculated by accumulating $P(v_{ia})$ based on the sorted values of the DT scores.

Section 16 – Aggregation of distributions within SSA within qualification

To calculate the institution pass rate curve and DT score and associated CIs for a number of subjects within a SSA within a qualification, the results of the subjects are combined together using a weighted average for each subject within a SSA within the qualification.

Therefore, the method is exactly equivalent to that used to produce qualification DT scores, except the lattice of values of institution coefficients is now only for those subjects in that qualification that are assigned to the particular SSA. In a number of cases there will only be one subject per qualification that is a member of that SSA, hence the SSA DT score and the subject DT score will be the same. As previously, the institution coefficients are assumed to follow a bivariate normal distribution and a lattice of values of institution coefficients is constructed and used to determine confidence intervals for the pass rate curve and DT scores in a similar manner to Section 14.

As it is only valid to produce aggregate distributions within qualifications, DT scores are not calculated for SSA across qualifications.

Section 17 – Specification of aggregated DT output files

Data output for aggregated DT scores

- 1. There are two data files containing DT scores.
- The first file contains the institution aggregate DT scores, with relevant confidence intervals.
 DT scores aggregated within subject/ qualification, with
 - standard deviation for aggregated DT scores
 - standard deviation for aggregated D1 s
 associated 95% confidence intervals
 - average prior attainment per subject/ qualification.
 - DT scores aggregated for gualification, with
 - standard deviation for aggregated DT scores per qualification
 - associated 95% confidence intervals
 - average prior attainment per qualification
 - number of aims and number of subjects per qualification.
 - Institution-level data
 - number of aims, number of subjects and number of qualifications per institution
 - average prior attainment per institution.

3. The second file contains only aggregate DT scores for SSA within qualification per institution and contains:

- DT scores aggregated within SSA/ qualification, with
 - standard deviation for aggregated DT scores
 - associated 95% confidence intervals
 - average prior attainment per SSA/ qualification
 - SSA mapping code
 - number of aims and number of subjects per SSA/ qualification.
- 4. The format of the institution aggregate DT score file is given in Table 10 in Annex D.
- 5. The format of the SSA aggregate DT score file is given in Table 11 in Annex D.

Annex A - Bath University Specification

Data requirements

1. The following data tables are required.



2. For a given learner, there can be a number of ILR learner records and a number of attainment records. For a given ILR learner, there can be a number of Enrolment records.

3. The base table for all links is Bath University's 'Person Details' table. This is then linked to all attainment details, for both prior attainment and output attainment, plus the ILR data sent by the LSC.

DT attainment data

4 For each learner, outcome and prior attainment data are required.

5 DT outcomes data comprises attainment from the age of 16 of:

- Section 96 approved qualifications for Level 2 and below with the exception of graded exams (e.g. music grade 6)
- non graded Section 96 approved qualifications for Level 3 (e.g. NVQ Level 3) with the exception of graded exams
- foundation and advanced apprenticeships.

6 DT prior attainment data comprises the same qualifications which make up outcome data for learners, with the exception of Level 3 qualifications for the same learners aged 15 and below.

Years included

7 The number of years across which data are requires for FE DT is summarised in Table 1 and for WBL DT is summarised in Table 2.

Table 1: Attainment data requirements for FE DT 16 - 18 year olds.

	Age Cohort				
Academic Year	15	16	17	18	19
2004-5		Outcome	Outcome	Outcome	
2003-4		Prior	Outcome	Outcome	
2002-3		Prior	Prior	Outcome	
2001-2		Prior	Prior	Prior	
2000-01		Prior	Prior	Prior	
Earlier		Prior	Prior	Prior	

Table 2: Attainment data requirements for WBL DT 16 - 18 year olds (starts).

	Age Cohort					
Academic	15	16	17	18	19	20
real						
2004-5		Outcome	Outcome	Outcome	Outcome	Outcome
2003-4		Prior	Outcome	Outcome	Outcome	Outcome
2002-3		Prior	Prior	Outcome	Outcome	Outcome
2001-2		Prior	Prior	Prior	Outcome	Outcome
2000-01		Prior	Prior	Prior	Prior	Outcome
Earlier		Prior	Prior	Prior	Prior	Prior

Annex B - Point Scores for DT qualifications

Description	GRADE	POINTS
Key Skills Level 1	Pass	1
	Fail	0
Key Skills Level 2	Pass	1
	Fail	0
Key Skills Level 3	Pass	1
	Fail	0
NVQ Level 1	Pass	1
	Fail	0
NVQ Level 2	Pass	1
	Fail	0
NVQ Level 3	Pass	1
	Fail	0
GCSE Full Course	A*	58
	А	52
	В	46
	С	40
	D	34
	E	28
	F	22
	G	16
	Q	0
	U	0
	Х	0

Description	GRADE	POINTS
GCSE Short Course	A*	29
	А	26
	В	23
	С	20
	D	17
	E	14
	F	11
	G	8
	Q	0
	U	0
	Х	0
GNVQ Full		
Foundation	Distinction	112
	Merit	112
	Pass	76
	Fail	0
GNVQ Full	Distinction	100
Internediate	Distinction	190
	Ivierit	196
	Pass	160
	Fail	0
BTEC First Diploma	Distinction	196
	Merit	196
	Pass	160
	Fail	0

note: for GNVQ Full Foundation, GNVQ Full Intermediate, BTEC First Diploma, the grade 'Distinction' has been awarded the same points as grade 'Merit' - as the data contained insufficient numbers of Distinctions to allow this grade to be modelled separately.

Sector Subject Areas

SSA code	SSA (tier 1)
30001	Health, Public Services and Care
30002	Science and Mathematics
30003	Agriculture, Horticulture and Animal Care
30004	Engineering and Manufacturing Technologies
30005	Construction, Planning and the Built Environment
30006	Information and Communication Technology
30007	Retail and Commercial Enterprise
30008	Leisure, Travel and Tourism
30009	Arts, Media and Publishing
30010	History, Philosophy and Theology
30011	Social Sciences
30012	Languages, Literature and Culture
30013	Education and Training
30014	Preparation for Life and Work
30015	Business, Administration and Law

Annex C - Modelling rules for MLM unit

1 The DT model is very different from that used in VA, given the nature of the qualifications under the scope of analysis. Indeed, the fact that non-graded qualifications are a significant part of DT implies that a discrete choice model has to be used instead of a MLM regression.

2 As with the VA model, the DT model has to estimate national expected attainment curves for each qualification following the corresponding subject in qualification. Also, the DT model will adopt a polynomial approach, but only up to a cubic level.

3 According to the number of observations per subject/ qualification that is going to be available, certain rules may apply. It is up to the corresponding analyst to determine weather a full model can be carried on, or weather the rules would apply.

4 The rules are:

A. If file contains more than 1000 observations, run a full model:

$$Logit(\rho_{ij}) = \beta_{0j} + \beta_{1j}x_{ij} + \beta_2 x_{ij}^2 + \beta_3 x_{ij}^3$$
$$\beta_{0j} = \beta_0 + \mu_{0j}$$
$$\beta_{1j} = \beta_1 + \mu_{1j}$$

where:

 π ij is the pass rate for observation ij.

 x_{ij} is the individual prior attainment, centred and standardized.

 x_{ij}^2 is the quadratic term of the prior attainment, centred and standardized.

 x_{ij}^{3} is the cubic term of the prior attainment, centred and standardized.

This model is also estimated via MCMC, which uses IGLS start up values. In a similar way to the case of VA, it is important to analyse the magnitude of the variance-covariance matrix for the institutional effect.

$$\begin{bmatrix} \boldsymbol{\mu}_{0j} \\ \boldsymbol{\mu}_{1j} \end{bmatrix} \sim \mathbf{N}(0, \boldsymbol{\Omega}_{\mu}): \boldsymbol{\Omega}_{\mu} = \begin{bmatrix} \boldsymbol{\sigma}_{\mu 0}^{2} & \boldsymbol{\sigma}_{\mu 01} \\ \boldsymbol{\sigma}_{\mu 01} & \boldsymbol{\sigma}_{\mu 1}^{2} \end{bmatrix}$$

In this case the minimal number of iterations that have to be done must be equal or larger than the largest Nhat shown in the corresponding diagnostics for the variances. An analysis of the MC standard error is also useful.

B. If the file contains between 1000 and 5000 observations, then the model is:

$$Logit(\rho_{ij}) = \beta_{0j} + \beta_1 x_{ij} + \beta_2 x_{ij}^2 + \beta_3 x_{ij}^3$$
$$\beta_{0j} = \beta_0 + \mu_{0j}$$
$$[\mu_{0j}] \sim N(0, \Omega_{\mu}): \Omega_{\mu} = [\sigma_{\mu 0}^2]$$

C. If the file contains between 80 and 500 observations, then the model is:

$$Logit(\rho_{ij}) = \beta_{0j} + \beta_1 x_{ij} + \beta_2 x_{ij}^2$$
$$\beta_{0j} = \beta_0 + \mu_{0j}$$
$$[\mu_{0j}] \sim N(0, \Omega_{\mu}): \Omega_{\mu} = [\sigma_{\mu 0}^2]$$

D. If the file contains less than 80 observations, then it is not possible to estimate this model.

Annex D - Data tables used in the calculation of 16-19 DT

Stage I - Data preparation

Input: Data sent by matching contractor (Annex D, Table 2, Table 3 and Table 4)

Processes:

- the data matching process (Section 1)
- data receipt and preparation (Section 2)
- calculation of prior attainment (Section 3)
- selection of learners/ exams to include in calculation (Section 4)
- calculation of output attainment (Section 5)
- production of dataset for calculations of coefficients (Section 6)

Output: Annex D Table 5, Table 6, Table 7 and Table 8.

Stage II - Specification of data subsets

Input: Annex D, Table 5.

Processes:

- selection of data subsets (Section 7)
- specification of data for MLWIN (Section 8)
- calculation of variables for MLWIN (Section 8)
- storing and saving catalyst file (Section 9)
- grouping of subjects (Section 10)

Output: Annex B, Table 6 and Table 7.

Stage III – MLM estimation

Input: Annex D, Table 6.

Processes:

- creation of master files and subsets (Section 11)
- defining the specification/ equation (Section 12)
- running the MLM regressions (Section 12)
- output from the MLM (national coefficients) (Section 13)

Output: Annex D, Table 9.

Stage IV – DT calculation

Input: Annex D, Table 5, Table 7, and Table 8.

Processes:

- calculation of the institution DT curve and score per subject/ qualification (Section 14)
- aggregation of distributions within qualification (Section 15)
- aggregation of distributions within SSA within qualification (Section 16)
- specification of aggregated DT output files (Section 17)

Output: Annex D, Table 10 and Table 11.

Input to Stage I

Field	Format	Description
L01	F7.0	Provider Number
L03	A12	Learner Reference Number
L11	YYYYMMDD	Date of Birth
L09	A20	Learner Surname
L10	A40	Learner Forename
A05	F2.0	Learning Aim Data Set Sequence
A09	A8	Learning Aim Reference (QCA Accreditation Number)
A27	YYYYMMDD	Learning Start Date
A28	YYYYMMDD	Learning Actual End Date
A34	F1.0	Completion Status
A35	F1.0	Learning Outcome

Table 1: Data sent to Bath University for matching

Table 2: Data received from Bath University – Candidate table

Field	Format	Description
SCHOOL_CANDIDATE_NO	F4.0	School candidate number
CANDIDATE_SERIAL_NUMBER	F7.0	Candidate serial number
SURNAME	A50	Surname
FORENAME	A50	Forename
GENDER	A1	Gender
DATE_OF_BIRTH	A8	Date of birth
YEAR_GROUP	F2.0	Year group
PRIVATE_EXTERNAL_CANDIDATE_MARKER	A1	Private external candidate marker
LATEST_MAIN_NATIONAL_CENTRE_NUMBER	F6.0	Latest main national centre number
LATEST MAIN DEES NUMBER	F7 0	Latest main Department for Education and Skills (DfES) number
PREVIOUS MAIN DEES NUMBER	F7.0	Previous main DfES number
NUMBER OF ENTRIES	F2.0	Number of entries
DUMMY	F2.0	Dummy
BATH UNI CANDIDATE REF	A11	Bath University candidate reference
MAIN_DCA_REFERENCE	A9	Main DCA reference
	A13	Unique pupil number
PUPIL_ETHNIC_CODE	A4	Pupil ethnicity code
SOURCE_OF_ETHNIC_CODE	A1	Source of ethnicity code
PUPIL_ELIGIBLE_FOR_FREE_SCH_MEAL	A1	Pupil eligible for free school meal
FIRST_LANGUAGE	A3	First language
PUPIL_SEN_STAGE	A1	Pupil special educational need stage
PUPIL_EXCLUSION_START_DATE	A8	Pupil exclusion start date
POSTCODE	A8	Postcode
PUPIL_DATE_OF_ENTRY	A8	Pupil date of entry
PUPIL_ENROLMENT_STATUS	A1	Pupil enrolment status
PUPILS_ACTUAL_NC_YEAR_GROUP	A2	Pupils actual national curriculum year group
BEST_EXAM_DFES_NUMBER	F7.0	Best exam DfES number
		Best Pupil Level Annual School Census
BEST_PLASC_DFES_NUMBER	F7.0	(PLASC) DfES number
EXAM_DOB	A8	Exam date of birth
PLASC_DOB	A8	PLASC date of birth
		Previous Data Collection and Analysis (DCA)
PREVIOUS_DCA_REFERENCE	A9	reference
NPD_REFERENCE	F8.0	National Pupil Database (NPD) reference

Table 3: Data received from Bath University – Attainment data tables

Field		Description
	Format	Description
LATEST_MAIN_DFES_NUMBER	F7.0	Latest main DrES number
ACTUAL_ENTRY_DEES_NUMBER	F7.0	Actual entry DIES number
ACTUAL_ENTRY_NATIONAL_CENTRE_NUMBER	A6	Actual entry National Centre number
CANDIDATE_SERIAL_NUMBER	F7.0	Candidate serial number
EXAM_ASSESSMENT_SERIAL_NUMBER	F2.0	Exam assessment serial number
QUALIFICATION_AND_ASSESSMENT_CODE	F3.0	Qualification and assessment code
		Local Education Authority Performance
LEAP_SUBJECT_MAPPING	A4	(LEAP) Subject Mapping
AWARDING_BODY_SUBJECT_NUMBER	A12	Awarding Body subject number
AWARDING_BODY_NUMBER	F3.0	Awarding body number
MODE	F1.0	Mode
EXAM_ASSESSMENT_YEAR	F4.0	Exam assessment year
EXAM_ASSESSMENT_SEASON	A1	Exam assessment season
GRADE_LEVEL	A3	Grade level
DISCOUNT_FLAG_MULTI_YEAR	F1.0	Discount flag multi year
DISCOUNT FLAG ONE YEAR	F1.0	Discount flag one year
DISCOUNT YEAR	F4.0	Discount vear
DUMMY	F2.0	Dummy
SCHOOL CANDIDATE NUMBER REGISTRATION	-	School candidate number registration
NUMBER	A13	number
MODFLAG	A1	Modular flag
MODULAR_A_LEVEL_FLAG	A1	Modular A level flag
BATH UNIVERSITY ACHIEVEMENT REFERENCE	A10	Bath University achievement reference
G QAN NUMBER	A8	QAN number
REGISTRATION DATE 1ST	A8	First Registration date
DISCOUNT FLAG TWO YEAR	F1.0	Two Year Discount flag
ORIGINAL GRADE	A3	Original grade
FINAL GRADE	A3	Final grade
PRE REGISTERED PUPIL WITHOUT RESULT	F1 0	Pre registered pupil without result
AWARDING BODY CENTRE CODE	A12	Awarding Body centre code
DISCOUNT FLAG NOT S96	F1.0	Discount flag not Section 96
POINT SCORE FOR \$96 QUALS	F7 2	Point score for Section 96 qualifications
	F6 3	GCSE equivalent size
	F5 1	Level 1 threshold contribution
	F5 1	Level 2 threshold contribution
	F0.0	
DISCOUNT FLAC ONE YEAR NOT SOG	F9.0	DCA reference
DISCOUNT_FLAG_ONE_TEAR_NOT_590	F1.0	Discount flag two year not Section 96
		A lovel equivelent eize
	F0.3	A level equivalent size
	+5.1	
PRE_16_LEVEL_3_FLAG*	A1	Pre 16 Level 3 flag

Note: * not included in Key Stage 4 (prior attainment) data files.

Field	Format	Description
CANDIDATE_SERIAL_NUMBER	F7.0	Candidate serial number
L01	F7.0	Provider number
L03	A12	Learner reference number
L11	YYYYMMDD	Date of Birth
L09	A20	Learner surname
L10	A40	Learner forename
A05	F2.0	Learning aim data set sequence
A09	A8	Learning aim reference (QCA accreditation number)
A27	YYYYMMDD	Learning start date
A28	YYYYMMDD	Learning actual end date
A34	F1.0	Completion status
A35	F1.0	Learning outcome

Table 4: Data received from Bath University – ILR candidate tables

Table 5: Fields of base data. (YYMMDD_DT_BASE_LAT.csv)

Field reference in Exam level File*	Field Name	Description	Width	Type of Field
RECORDID	ID	Unique identifier for each record	15	Integer
CANDNO	CAND	DfES Candidate Serial Number	7	Integer
SUBLEVNO	QUAL	Qualification and Assessment Code	3	Integer
MAPPING	SUBJ	LEAP/ LDCS code	5	Integer
**	SUBJNAT	LEAP/ LDCS Subject Mapping code was used for all qualifications	5	Integer
POINTS	POINTS	Outcome attainment in QCA points	6	F6.2
AVKS4	PRIOR	Average QCA prior attainment score.	7	F7.4
GENDER	GENDER	0 is male and 1 is female	1	Integer
LEAESTAB	INST	DfES Latest institution number	7	Integer
SURNAME	SURNAME	Surname	50	Alpha – Numeric
FORNAME	FORNAME	Forename(s)	50	Alpha – Numeric
**	UPIN	Unique provider number	6	Integer
**	YEAR	Academic year of data	4	Integer

Table 6: MLM input data set (YYMMDD_DT_MLM_FILE.dat) (Input to Stage III)

Exam level Title	Name	Original Width	Converted Width	Description
CANDNO	CAND	7	9	DfES candidate serial number
LEAESTAB	INST	7	9	DfES Latest institution number
SUBLEVNO	QUAL	3	5	Qualification and assessment code
SUBJECT	SUBJ	5	7	Numerical subject mapping
GROUPING	SUBJMLM	5	7	Grouped subjects (when applicable)
***	PRIORC	7	9	Average QCA prior attainment score centred
***	PRIOR2C	***	10	Square average QCA prior attainment score centred and standardized
***	PRIOR3C	***	10	Cubic average QCA prior attainment score centred and standardized
POINTS	POINTS	6	8	Outcome attainment in QCA points
RECORDID	ID	15	17	Unique identifier for each record

Parameter	Description	Width	Type of Field
С	Average of Prior	10	F10.3
C2	Average of Prior2 (prior squared)	10	F10.3
C3	Average of Prior3 (prior cubed)	10	F10.3
S2	Standard deviation of Prior2	10	F10.3
S3	Standard deviation of Prior3	10	F10.3
YEAR	Academic year of data	4	Integer

Table 7: MLM Catalyst file (YYMMDD_DT_CATA.csv) (Input to Stage IV)

Table 8: Content of Provider-level files for LAT. (YYMMDD_DT_FE_Base_LAT.csv or YYMMDD_DT_WBL_Base_LAT.csv)

Field	Format	Description
ID	F15	Unique ID
CAND	F7	Candidate serial number
QUAL	F3	Qualification and assessment number
SUBJ	F5	Numerical subject mapping for DT
SUBJNAT	F5	Numeric subject code
POINTS	F6	Point score for Section 96 qualifications
PRIOR	F7	Learner average prior attainment
GENDER	F1	Gender of learner (0 = male, 1 = female)
INST	F7	Latest DfES number
SURNAME	A50	Surname of learner
FORNAME	A50	Forename of learner
UPIN	F6	
YEAR	F4	

Table 9: Structure of compiled output file. (YYMMDD_DT_FE_BETA.csv or YYMMDD_DT_WBL_BETA.csv)

Field name	Field Description	Width	Type of Field
QUAL	Qualification and assessment code	3	Integer
MAPPING	LEAP subject mapping/LDCS code	5	Integer
SUBJECT	Numerical subject mapping used for MLM	5	Integer
VARB0	Variance of B ₀	7	F7.3
COVARB01	Covariance of B ₀ ,B ₁	7	F7.3
VARB1	Variance of B ₁	7	F7.3
COVARB02	Covariance of B ₀ ,B ₂	7	F7.3
COVARB12	Covariance of B ₁ ,B ₂	7	F7.3
VARB2	Variance of B ₂	7	F7.3
VARERR	Variance of error term	7	F7.3
Ν	Number of exam records in model	6	Integer
B0	Intercept	7	F7.3
B1	Coefficient of PRIORC	7	F7.3
B2	Coefficient of PRIORC square	7	F7.3
B3	Coefficient of PRIORC cubic	7	F7.3
YEAR	Academic year of data	4	Integer

 Table 10: Format of LAT aggregated output file (YYMMDD_DT_FE_AGG_SCORE.csv or YYMMDD_DT_WBL_AGG_SCORE.csv)

Field name	Field Description	Width	Type of Field
UPIN	L01 number UPIN	6	Integer
SUBJ	LEAP/ LDCS subject mapping codes was used for all qualifications	5	Integer
QUAL	Qualification and assessment code	3	Integer
SUBDT	Aggregate DT for subject qualification	6	F6.2
SUBSD	Standard Deviation of the aggregate DT score for a subject qualification	6	F6.2
SUBNAIMS	Number of exam records per sub qualification	6	Integer
UCISUB	Upper confidence interval per subject qualification at 95%	6	F6.1
LCISUB	Lower confidence interval per subject qualification at 95%	6	F6.1
SUBPRIOR	Average prior attainment per	7	F7.4
QUALDT	Aggregate DT for qualification subject qualification	6	F6.2
QUALSD	Standard Deviation of the aggregate DT score for a qualification	5	F6.2
QUALNAIM	Number of exam records per qualification	6	Integer
NSUBS	Number of subjects per qualification	6	Integer
UCIQUAL	Upper confidence interval per qualification at 95%	6	F6.1
LCIQUAL	Lower confidence interval per qualification at 95%	6	F6.1
QUAPRIOR	Average prior attainment per qualification	7	F7.4
INSTNAIM	Number of exam records per institution	6	Integer
NSUBSINS	Number of subjects per institution	3	Integer
NQUALS	Number of qualifications per institution	3	Integer
INSPRIOR	Average prior attainment per institution	7	F7.4
YEAR	Academic year of data	4	Integer

 Table 11: Format of LAT aggregated SSA output file (YYMMDD_DT_FE_AGG_SSA.csv or YYMMDD_DT_WBL_AGG_SSA.csv)

Field name	Field Description	Width	Type of Field
UPIN	L01 number UPIN	6	Integer
QUAL	Qualification and assessment code	3	Integer
SSA	SSA Mapping code	5	Integer
SSAQDT	Aggregate DT score per SSA within qualification	6	F6.2
SSAQSD	Standard Deviation of the aggregate DT score per SSA within qualification	6	F6.2
SSAQNAIM	Number of exam records per SSA within qualification	6	Integer
SSAQNSUB	Number of subjects per SSA within qualification	6	Integer
UCISSAQ	Upper confidence interval per SSA within qualification at 95%	6	F6.1
LCISSAQ	Lower confidence interval per SSA within qualification at 95%	6	F6.1
SSAQPRIOR	Average prior attainment per SSA within qualification	6	F6.2

Annex E - Providers included in DT calculations

FE Providers included in FE DT calculations

Provider	Provider Name		Higher Education
Number		106366	Solihull College
105000	Barnfield College	106368	Sutton Coldfield College
105010	North Hertfordshire College	106374	Dudley College of Technology
105017	Dunstable College	106388	City of Wolverhampton College
105019	Amersham and Wycombe College	106402	Huntingdonshire Regional College
105023	Berkshire College of Agriculture	106403	Isle College FE Corporation
105024	Bracknell and Wokingham College	106409	Peterborough Regional College
105028	The Henley College	106427	Warrington Collegiate
105074	South Birmingham College	106429	West Cheshire College
105109	Rodbaston College	106441	Henley College Coventry
105110	Sandwell College	106442	North Warwickshire & Hinckley College
105114	Stafford College	106445	Stratford upon Avon College
105118	Walsall College of Arts and Technology	106448	Warwickshire College, Royal Learnington
105154	City of Bath College	106448	Spa, Rugby and Moreton Moreli
105156	City of Bristol College	106454	
105174	Filton College	106462	Kondal College
105206	Norton Radstock College	106466	Lancaster and Morecambe College
105242	Weston College	106476	
105301	Reaseheath College	106483	Bicton College
105347	Burton College	106490	
105367	Chesterfield College	106509	North Devon College
105420	Stephenson College	106513	Plymouth College of Art and Design
105432	South East Derbyshire College	106532	Bournemouth & Poole College
105486	Harlow College	106536	Kingston Maurward College
105493	Otley College of Agriculture and Horticulture	106540	Weymouth College
105582	Bishop Burton College	106542	Barking College
105583	Selby College	106556	Tower Hamlets College
105603	West Kent College	106563	Chelmsford College
105623	Leicester College	106564	Colchester Institute
105653	Westminster Kingsway College		South East Essex College of Arts and
105658	Bexley College	106569	Technology
105674	Lewisham College	106572	Thurrock and Basildon College
	Bromley College of Further and Higher	106582	Cirencester College
105711	Education	106583	Technology
105714	Croydon College	106586	Hartpury College
105763	Bury College	106589	Royal Forest of Dean College
105907	St Helens College	106590	Stroud College of Further Education
105936	West Suffolk College	106596	Basingstoke College of Technology
105939	College of West Anglia	106602	Farnborough College of Technology
105941	Darlington College of Technology	106614	Southampton City College
105948	Askham Bryan College	106618	Sparsholt College, Hampshire
106068	Newcastle-under-Lyme College	106633	Herefordshire College of Technology
106098	City College Brighton and Hove	106637	Kidderminster College
106277	Leeds College of Technology	106641	North East Worcestershire College
106319	Bedtord College	106648	Stourbridge College
106350	Bournville College of Further Education	106655	Worcester College of Technology
106357	Josiah Mason Sixth Form College	106658	Hertford Regional College
106361	Matthew Boulton College of Further and		

106670	Yorkshire Coast College of Further and
106680	
106706	North Lindsey College
106717	Canterbury College
106733	Mid-Kent College
106734	North West Kent College of Technology
106741	South Kent College
106743	Thanet College
106749	Blackburn College
106751	Burnley College
106753	Nelson and Colne College
106762	Accrington and Rossendale College
106763	Brooksby Melton College
106775	South Leicestershire College
106790	Lambeth College
106797	Southwark College
106809	Ealing, Hammersmith and West London College
106815	Bolton Community College
106834	Hopwood Hall College
106845	North Area College
106863	Stockport College of Further and Higher Education
106867	Cheadle and Marple Sixth Form College
106868	Tameside College
106896	Halton College
106900	Hugh Baird College
106909	Knowsley Community College
106915	Liverpool Community College
106924	Myerscough College
106934	Southport College
106947	Education
106949	Easton College
106950	Great Yarmouth College of Further
106966	Moulton College F.E.C
106970	Northampton College
106972	Tresham Institute
106977	Broxtowe College, Nottingham
106985	New College, Nottingham
106987	Newark and Sherwood College
106996	Sheffield College
107008	Shrewsbury College of Arts and Technology
107010	Telford College of Arts and Technology
107013	Barnsley College
107017	Dearne Valley College
107019	Doncaster College
107035	Cannock Chase Technical College
107044	Stoke-on-Trent College
107059	Suffolk College
107069	Hartlepool College of Further Education
107073	Middlesbrough College
107079	Redcar and Cleveland College

107083	Stockton Riverside College
107096	City of Sunderland College
107111	Newcastle College
107114	North Tyneside College
107121	South Tyneside College
107143	West Thames College
107154	Dewsbury College
107157	Huddersfield Technical College
107159	Keighley College
107170	Shipley College
107178	New College, Swindon
107462	Lowestoft College
107479	College of North East London
107486	Southgate College
107495	Northumberland College
107513	Chichester College
107514	Crawley College
107520	Hastings College of Arts and Technology
107525	Plumpton College
107531	Bridgwater College
107537	Richard Huish College
107538	Somerset College of Arts and Technology
107542	Strode College
107546	Yeovil College
107552	Craven College
107575	York College
107582	Leeds College of Building
107632	Grimsby Institute of Further & Higher Education
107641	Boston College
107708	Hadlow College
107722	Stamford College
107745	East Berkshire College
107770	Uxbridge College
107785	Wigan and Leigh College
107878	Enfield College
107906	Brooklands College
107909	Guildford College of Further and Higher Education
107910	Godalming College
107921	Woking College
107949	North Nottinghamshire College
107960	West Nottinghamshire College
108309	Pershore Group of Colleges
108311	. ,
-	Bradford College
108312	Bradford College Tamworth and Lichfield College
108312 108313	Bradford College Tamworth and Lichfield College Paston College
108312 108313 108318	Bradford College Tamworth and Lichfield College Paston College Capel Manor College
108312 108313 108318 108320	Bradford College Tamworth and Lichfield College Paston College Capel Manor College Bolton Sixth Form College
108312 108313 108318 108320 108321	Bradford College Tamworth and Lichfield College Paston College Capel Manor College Bolton Sixth Form College Wilberforce College
108312 108313 108318 108320 108321 108322	Bradford College Tamworth and Lichfield College Paston College Capel Manor College Bolton Sixth Form College Wilberforce College Kensington and Chelsea College
108312 108313 108318 108320 108321 108322 108323	Bradford College Tamworth and Lichfield College Paston College Capel Manor College Bolton Sixth Form College Wilberforce College Kensington and Chelsea College St Mary's College
108312 108313 108318 108320 108321 108322 108323 108325	Bradford College Tamworth and Lichfield College Paston College Capel Manor College Bolton Sixth Form College Wilberforce College Kensington and Chelsea College St Mary's College Calderdale College

108326	Bilborough College
108327	Regent College
108328	St John Rigby College
108330	Richmond Adult and Community College
108331	Thames Valley University
108332	Palmer's College
108335	Franklin College
108338	City of Stoke-on-Trent Sixth Form College
108339	St Mary's College, Blackburn
108340	Seevic College
108341	People's College, Nottingham
108345	Macclesfield College
108357	Xaverian College
108358	St Francis Xavier Sixth Form College
108359	St Dominic's Sixth Form College
108360	St Charles Catholic Sixth Form College
108361	St Brendan's Sixth Form College
108362	Notre Dame Sixth Form College
108363	Ludlow College
108364	Loreto College
108365	King Edward VI College, Stourbridge
108366	King Edward VI College
108367	Holy Cross College
108368	College of Richard Collyer in Horsham
108369	Christ the King Sixth Form College
108370	Carmel College
108371	Cardinal Newman College
108372	Aquinas College
108373	Wyke Sixth Form College
108374	Wyggeston and Queen Elizabeth I College
108375	Worthing College
108376	Woodhouse College
108377	Worcester Sixth Form College
108378	Winstanley College
108379	Widnes and Runcorn Sixth Form College
108380	Varndean College
108381	Tynemouth College
108382	Totton College
108383	Thomas Rotherham College
108384	Tauntons College
108385	Strode's College
108386	Stockton Sixth Form College
108387	St Vincent College
108388	Spelthorne College
108389	The Sixth Form College, Solihull
108390	Sir John Deane's College
108391	Shrewsbury Sixth Form College
108393	Sir George Monoux College
108394	The Sixth Form College, Farnborough
108395	Sixth Form College, Colchester
108396	Scarborough Sixth Form College
108398	Reigate College

400000	Ourses Manda Oallana
108399	Queen Mary's College
108400	Queen Elizabeth Sixth Form College
108401	Oldham Sixth Form College
108402	Portsmouth College
108403	Prior Pursglove College
108404	Priestley College
108405	Peter Symonds' College
108406	Pendleton College
108407	Newham Sixth Form College
108408	New College, Telford
108409	NEW College, Pontefract
108410	Luton Sixth Form College
108411	Long Road Sixth Form College
108412	Leyton Sixth Form College
108413	Joseph Chamberlain Sixth Form College
108414	John Ruskin College
108415	John Leggott College
108416	Itchen College
108417	Huddersfield New College
108418	Hills Road Sixth Form College
108419	Hereford Sixth Form College
108420	Haywards Heath College
108421	Havering Sixth Form College
108422	Havant College
108423	Hartlepool Sixth Form College
108424	Greenhead College
108425	Gateway Sixth Form College
108426	Farnham College
108427	Esher College
108428	Eccles College
108429	East Norfolk Sixth Form College
108430	Coulsdon College
108431	Cadbury Sixth Form College
108432	College
108433	Blackpool Sixth Form College
108434	Birkenhead Sixth Form College
108435	Bexhill College
108436	Bede College
108437	Barton Peveril College
108438	Barrow-in-Furness Sixth Form College
108439	Ashton-under-Lyne Sixth Form College
108440	Wakefield College
108441	Truro College
108442	City College, Manchester
108444	South Cheshire College
108445	Skelmersdale College
108449	Richmond upon Thames College
108451	Penwith College
108452	Walford and North Shropshire College
108457	Halesowen College
108458	Gateshead College
108459	Fareham College

108461 Epping Forest College 108462 Stammer College 108463 Derwentside College 108464 Derwentside College 108465 Cricklade College 108466 Braintree College 108467 Braintree College 108468 Brockenhurst College 108467 Braintree College 108473 King Store 108474 Wiral Metropolitan College 108473 West Herts College 108474 Waltham Forest College 108475 South Trafford College 108486 South Nottingham College 108487 South Devon College 108488 South Devon College 108489 Orkiands College of Further Education 108489 Orge of Further Education 108490 Park Lane College of Further Education 108491 Midscheel College 108492 Park Lane College of Further Education 108503 North Trafford College 108504 Instep of Wight College 108512 Mids-Deshire College of Further Education 108512 Mids-	108460	Exeter College	108530	Bishop Auckland College
108462 Stammore College 108463 Derwentside College 108464 Derwentside College 108465 Cricklade College 108466 Cricklade College 108467 Braintree College 108468 Brockenhurst College 108469 Atton College 108471 Hareward College of Further Education 108472 Greenwich Community College 108473 Watham Forest College 108474 Wirral Metropolitan College 108475 South Thames College 108484 South Thames College 108485 South Downs College 108486 Redbridge College 108487 Orpington College of Further Education 108488 South Downs College 108489 Redbridge College 108490 Paymouth College of Further Education 108501 North East Surrey College 108502 North East Surrey College 108503 North East Surrey College 108504 Kebridge College 1085050 North East Surrey College 108514 Kingston Colle	108461	Epping Forest College	108532	Barnet College
108464Derwentside College108465Cricklade College108467Braintree College108467Braintree College108468Alton College108479Brockenhurst College108471Greenwich Community College108472Hereward College of Further Education108473Waitham Forest College108474Wiral Metropoltan College108475Waitham Forest College108476Waitham Forest College108477West Herts College108478South Trafford College108483South Trafford College108484South Nottingham College108485South Nottingham College108486South Downs College108487South Downs College108488South College of Further Education108489Plymouth College of Further Education108490Plymouth College of Further Education108501North East Surrey College of Further Education108502North East Surrey College of Further Education108503North East Surrey College of Further Education108504Merton College108510Merton College of Further Education108511Jaseph Priestley College108512Jaseph College108521Hackney Community College108521Hackney Community College108522Hackney Community College108523Blackpool and The Fydic College108524Eastleigh College108525Blackpool and The Fydic College	108462	Stanmore College	108534	Leeds College of Art and Design
108465Cricklade College108467Brackenhurst College108468Brockenhurst College108474Warel Metropolitan College108473Greenwich Community College108474Wirral Metropolitan College108475West Herts College108480Leeds Thomas Danby108481South Thames College108482South Thames College108483South Thames College108484South Thames College108485South Nottingham College108486South Devon College108487South Devon College108488South Downs College108497Orpington College of Arts and Technology108498Plymouth College of Further Education108500Park Lane College108501North East Surrey College108505North East Surrey College108506North College of Further Education108512Mid-Cheshire College108512Mid-Cheshire College108512Kingston College108514Kingston College108512Metro College108512Metro College108512Kingston College108521Education108521Education108521Leadscron College108521Liva of Isington College108521Liva of Isington College108521Kingston College108521Kingston College108523Hackney Community College108524East Bird College<	108464	Derwentside College	108535	Herefordshire College of Art and Design
108467Braintree College108468Brockenhurst College108469Atton College108473Greenwich Community College108474Wirral Metropolitan College108475Waltham Forest College108476Waltham Forest College108477Waltham Forest College108483South Tharles College108484South Trafford College108485South Trafford College108486South Nottingham College108487South Downs College108488South Downs College108489Rotherham College of Arts and Technology108493Rotherham College of Further Education108494Devint Trafford College of Further Education108495North Trafford College of Further Education108496Deklands College108497Noth Bronk College of Further Education108498Oaklands College of Further Education108500Park Lane College of Further Education108501North Trafford College of Further Education108502Newham College of Further Education108510Merch College of Further Education108511Joseph Priestley College108512Mic-Cheshire College108514Kingston College108515Liek of Wight College108516Joseph Priestley College108521Mic-Cheshire College108521Liek of Wight College108521Liek of Wight College108522Hackney Community College108523<	108465	Cricklade College	108536	Cleveland College of Art and Design
108468Brockenhurst College108472Hereward College of Further Education108472Hereward College of Further Education108473South College108474Wirral Metropolitan College108475Waltham Forest College108476Waltham Forest College108477Watham Forest College108484South Trafford College108485South Trafford College108486South Nottingham College108487South Devon College108488South Down College108489Oaklands College108499Piymouth College of Arts and Technology108499Piymouth College of Further Education108500North Trafford College108501North Trafford College108502North Trafford College of Further Education108503North Trafford College of Further Education108504North Trafford College of Further Education108505North Trafford College of Further Education108506North Trafford College of Further Education108510Merton College of Further Education108511Mitc-Cheshire College108512Mitc-Cheshire College108514Kingston College108524Eastleigh College108524Eastleigh College108524Eastleigh College108524Eastleigh College108524Eastleigh College108526City of Westminster College108527Backpool and The Fylde College108528Bia	108467	Braintree College	108623	Preston College
108469Alton College108472Hereward College of Further Education108473Greenwich Community College108474Wirral Metropolitan College108474Wirral Metropolitan College108475West Herts College108476Waltham Forest College108480Leeds Thomas Danby108481South Thames College108482South Trafford College108483South Nottingham College108484South Devns College108485South Dovns College108486South Dovns College108487South Dovns College108488South Dovns College108498Rotherham College of Arts and Technology108499Phymouth College of Further Education108490Phymouth College of Further Education108501North Trafford College of Further Education108505North Trafford College of Teurher Education108505North Trafford College of Further Education108505North Trafford College of Teurher Education108505North Trafford College of Teurhonlogy108510Merton College108511Isle of Wight College108512Lise of Wight College108526City of Westminster College108527Cambridge Regional College108528Hackney Conlege108529Biackpool and The Fylde College108529Biackpool and The Fylde College11239East Riding College11239East Riding College11239 <td< td=""><td>108468</td><td>Brockenhurst College</td><td>108625</td><td>Runshaw College</td></td<>	108468	Brockenhurst College	108625	Runshaw College
108472Hereward College further Education108473Greenwich Community College108474Wirral Metropolitan College108477West Herts College108478Waltham Forest College108480Leeds Thomas Danby108483South Thames College108484South Trafford College108485South Totaries College108486South Devon College108487South Downs College108488South Downs College108489Rotherham College of Art and Technology108493Rotherham College of Further Education108494Orpington College of Further Education108495North Trafford College of Further Education108496Park Lane College of Further Education108505North East Surrey College of Terthonlogy108505North East Surrey College108510Merton College108512Mid-Cheshire College of Further Education108513North East Surrey College108514Kingston College108515City and Isington College108516City and Isington College108517Isle of Wight College108528Education108523Hackney Community College108524Eastleigh College108525City of Westminster College108526City of Westminster College108528Blackpool and The Fylde College115230East Riding College11230East Riding College112329East Riding College<	108469	Alton College	108653	Milton Keynes College
108473Greenwich Community College108474Wiral Metropolitan College108477West Herts College108477West Herts College108478Waltham Forest College108483South Thames College108484South Trafford College108485South Nottingham College108486South Downs College108487South Nottingham College108487South Downs College108488South Downs College108497Orpington College of Further Education108498Oaklands College108497Orpington College of Further Education108508North Trafford College of Further Education108507North Trafford College of Further Education108507North Trafford College108517Joseph Priestley College108517Sile of Wight College108518City and Islington College108526Easteligh College108528Hackney Community College108524Easteligh College108525City of Westminster College108526City of Westminster College108528Blackpool and The Fylde College108528Blackpool and The Fylde College108528Blackpool and The Fylde College	108472	Hereward College of Further Education	109650	East Durham & Houghall Community
108474Wirral Metropolitan College108477West Herts College108478Waltham Forest College108480Leeds Thomas Danby108481South Thames College108482South Trafford College108483South Nottingham College108484South Downs College108485South Downs College108486South Downs College108487South Downs College108488South Downs College108489Rotherham College of Further Education108499Piymouth College of Further Education108500Park Lane College of Further Education108501North Trafford College of Further Education108503North Trafford College of Further Education108504Northbrook College of Further Education108505North East Surrey College of Further Education108516Joseph Priestley College108516Gisy and Islington College108516College of Further and Higher108526City and Islington College108527Cambridge Regional College108528Easteigh College108527Cambridge Regional College108528Biackpool and The Fylde College108529Biackpool and The Fylde College	108473	Greenwich Community College	108661	New College Durbarn
108477West Herts College108478Waltham Forest College108480Leeds Thomas Danby108481South Thames College108482South Trafford College108483South Nottingham College108484South Devon College108485South Downs College108487South Downs College108488Rotherham College of Arts and Technology108499Rotherham College of Further Education108499Orpington College of Further Education108500North Trafford College of Further Education108501Northbrook College of Further Education108502North Trafford College of Further Education108503North Trafford College of Further Education108504Northorook College of Further Education108505North Tafford College of Further Education108516Joseph Priestley College108517Isle of Wight College108516City and Islington College108526City and Islington College108521Hackney Community College108522Eastleigh College108523Hackney Community College108524Eastleigh College112330East Riding College112341Abingdon and Witney College112352Hackney Community College112380City of Westminister College112380City of Westminister College112329Fast Riding College112329Fast Riding College112329Biackpool and The Fylde College <td>108474</td> <td>Wirral Metropolitan College</td> <td>108767</td> <td>Harrow College</td>	108474	Wirral Metropolitan College	108767	Harrow College
108478Waitham Forest College108480Leeds Thomas Danby108481South Thames College108482South Trafford College108485South Trafford College108486South Notingham College108487South Devon College108488South Downs College108489Rotherham College of Arts and Technology108498Rotherham College of Further Education108499Orpington College of Further Education108498Orpington College of Further Education108499Orpington College of Further Education108500Park Lane College108501Northbrook College of Further Education108505North East Surrey College of Further Education108506Nerthar Tafford College of Further Education108507Newham College of Further Education108510Merton College108511Mid-Cheshire College of Further Education108512Mid-Cheshire College of Further Education108512City and Islington College108512Education108521Education108521Education108522Eastleigh College108524Eastleigh College108527Cambridge Regional College108528Blackpool and The Fylde College108529Blackpool and The Fylde College	108477	West Herts College	109792	College of North West London
108480Leeds Thomas Danby108481South Trafford College108482South Trafford College108485South Nottingham College108486South Nottingham College108487South Nottingham College108488South Downs College108489Rotherham College of Arts and Technology108499Redbridge College108499Orpington College of Further Education108498Oaklands College108499Plymouth College of Further Education108500Park Lane College108501Northbrook College of Further Education108505North Trafford College of Further Education108506North Trafford College of Further Education108507Newham College of Further Education108510Merton College108511Mid-Cheshire College of Further Education108512Mid-Cheshire College of Further Education108513Morth College108514Kingston College108515Joseph Priestley College108516Joseph Priestley College108517Isle of Wight College108528Education108521Education108523Hackney Community College108524Eastleigh College108527Cambridge Regional College108528Blackpool and The Fylde College108529Blackpool and The Fylde College	108478	Waltham Forest College	108083	Avlesbury College
108483South Trafford College108484South Trafford College108485South Nottingham College108487South Downs College108488South Downs College108493Rotherham College of Arts and Technology108493Rotherham College of Further Education108493Rotherham College of Further Education108494Sakiands College108495Redbridge College108496Aklands College108497Orpington College of Further Education108508Daklands College of Further Education108509Park Lane College108500Park Lane College of Further Education108501North Trafford College of Further Education108505North Trafford College of Further Education108506North East Surrey College of Further Education108507Newham College108510Merton College108511Joseph Priestley College108512Gity and Islington College108514Kingston College108515Joseph Priestley College108526City and Islington College108521Education108522Haxering College of Further and Higher108524Eastleigh College108526City of Westminster College108527Cambridge Regional College108529Blackpool and The Fylde College108529Blackpool and The Fylde College	108480	Leeds Thomas Danby	108989	Salford Collogo
108484South Trafford College108485South Nottingham College108487South Devon College108487South Devon College108488South Downs College108489Rotherham College of Arts and Technology108493Rotherham College of Arts and Technology108495Redbridge College108497Orpington College of Further Education108498Oaklands College108499Plymouth College of Further Education108500Park Lane College108501Northbrook College, Sussex108505North Trafford College of Further Education108506North Trafford College of Further Education108507Newham College of Further Education108508Merton College108509North East Surrey College of Further Education108510Merton College108511Mid-Cheshire College of Further Education108512Mid-Cheshire College of Further Education108513Sity and Islington College108514City and Islington College108513City and Islington College108524Easteligh College108524Easteligh College108524Easteligh College112230East Riding College112241Abingdon and Witney College112252The Sixth Form College112262City College Regional College112273The Sixth Form College112280East Riding College112380East Riding College112380	108483	South Thames College	109044	Swindon College
108485South Nottingham College108485South Devon College108487South Downs College108498South Downs College108493Rotherham College of Arts and Technology108495Redbridge College108497Orpington College of Further Education108498Oaklands College of Further Education108499Plymouth College of Further Education108500Park Lane College108501Northbrook College, Sussex108503North Trafford College of Further Education108504Newham College of Further Education108505North East Surrey College of Technology108506Newham College of Further Education108507Newham College of Further Education108510Merton College108512Mid-Cheshire College of Further Education108512Mid-Cheshire College108513Lity and Islington College108514Kingston College108513Eity and Islington College108514Education108523Hackney Community College108524Eastleigh College108525Citty of Westminster College108526City of Westminster College108527Cambridge Regional College108529Blackpool and The Fylde College	108484	South Trafford College	109293	
108487South Devon College108487South Downs College108493Rotherham College of Arts and Technology108493Rotherham College of Arts and Technology108495Redbridge College108497Orpington College of Further Education108498Oaklands College108499Plymouth College of Further Education108500Park Lane College108501Northbrook College, Sussex108503North Trafford College of Further Education108505North East Surrey College of Technology108507Newham College of Further Education108514Kingston College108515Joseph Priestley College108517Isle of Wight College108518City and Islington College108521Havering College of Further and Higher108523Hackney Community College108524Eastleigh College108526City of Westminster College108527Cambridge Regional College108529Blackpool and The Fylde College	108485	South Nottingham College	109207	
108488South Downs College108493Rotherham College of Arts and Technology108493Rotherham College of Arts and Technology108495Redbridge College108495Redbridge College108497Orpington College of Further Education108498Oaklands College108499Plymouth College of Further Education108500Park Lane College108501Northbrook College, Sussex108503North Trafford College of Further Education108505North East Surrey College of Technology108507Newham College of Further Education108510Merton College108511Mici-Cheshire College108512Midi-Cheshire College108513Kingston College108514Kingston College108515Lise of Wight College108521Education108523Hackney Community College108524Eastleigh College108525City of Westminster College108526City of Westminster College108527Cambridge Regional College108529Blackpool and The Fylde College	108487	South Devon College	109307	Leek College of Further Education and
108493Rotherham College of Arts and Technology109591Salisbury College108495Redbridge College109894Evesham and Malvern Hills College108497Orpington College of Further Education109912Wiltshire College108498Oaklands College109912Wiltshire College108499Plymouth College of Further Education100211Carshalton College108500Park Lane College110213East Devon College108501North brook College, Sussex110215Grantham College108505North Tafford College of Further Education110221Newbury College108507Newham College of Further Education110223Lincoln College108510Merton College110734The Oldham College108516Joseph Priestley College111726City College, Birmingham108517Isle of Wight College112173Derby College108521Hackney Community College11234Abingdon and Witney College108523Hackney Community College112389City College Erooke House108524Eastleigh College112729The Sixth Form College Brooke House108527Cambridge Regional College116105Oxford and Cherwell Valley College108529Blackpool and The Fylde College116105Oxford and Cherwell Valley College	108488	South Downs College	109554	School of Art
108495Redbridge College108495Redbridge College108497Orpington College of Further Education108498Oaklands College108499Plymouth College of Further Education108500Park Lane College108501Northbrook College, Sussex108503North Trafford College of Further Education108505North East Surrey College of Technology108507Newham College of Further Education108510Merton College108512Mid-Cheshire College108514Kingston College108515Joseph Priestley College108516Joseph Priestley College108521Isle of Wight College108522Hackney Community College108523Hackney Community College108524Eastleigh College108525City of Westminster College108526City of Westminster College108527Cambridge Regional College108529Blackpool and The Fylde College	108493	Rotherham College of Arts and Technology	109591	Salisbury College
108497Orpington College of Further Education109912Wiltshire College108498Oaklands College110211Carshalton College108500Park Lane College110213East Devon College108501Northbrook College, Sussex110214East Surrey College108503North Trafford College of Further Education110215Grantham College108505North East Surrey College of Technology110221Newbury College108507Newham College of Further Education110223Lincoln College108510Merton College110734The Oldham College108512Mid-Cheshire College of Further Education111553Technology108514Kingston College1111553Technology108516Joseph Priestley College1111726City College, Birmingham108521Education111234Abingdon and Witney College108523Hackney Community College112314Abingdon and Witney College108524Eastleigh College112389City College Brooke House108525City of Westminster College112729The Sixth Form College108527Cambridge Regional College116105Oxford and Cherwell Valley College108529Blackpool and The Fylde College116105Oxford and Cherwell Valley College	108495	Redbridge College	109884	Evesham and Malvern Hills College
108498Oaklands College108499Plymouth College of Further Education108500Park Lane College108501Northbrook College, Sussex108503North Trafford College of Further Education108505North Trafford College of Further Education108505North East Surrey College of Technology108507Newham College of Further Education108510Merton College108512Mid-Cheshire College of Further Education108516Joseph Priestley College108517Isle of Wight College108518City and Islington College108523Hackney Community College108524Eastleigh College108525City of Westminster College108526City of Westminster College108527Cambridge Regional College108529Blackpool and The Fylde College	108497	Orpington College of Further Education	109912	Wiltshire College
108499Plymouth College of Further Education110213East Devon College108500Park Lane College110214East Surrey College108501Northbrook College, Sussex110215Grantham College108503North Trafford College of Further Education110218Highbury College, Portsmouth108505North East Surrey College of Technology110223Lincoln College108507Newham College of Further Education110223Lincoln College108510Merton College110734The Oldham College108512Mid-Cheshire College of Further Education111726City College, Birmingham108516Joseph Priestley College1112173Derby College108517Isle of Wight College112314Abingdon and Witney College108521Education112380East Riding College108523Hackney Community College112380East Riding College108524Eastleigh College112729The Sixth Form College Brooke House108527Cambridge Regional College116105Oxford and Cherwell Valley College108529Blackpool and The Fylde College116105Oxford and Cherwell Valley College	108498	Oaklands College	110211	Carshalton College
108500Park Lane College108501North brook College, Sussex108503North Trafford College of Further Education108505North East Surrey College of Technology108507Newham College of Further Education108507Newham College of Further Education108510Merton College108512Mid-Cheshire College of Further Education108514Kingston College108515Joseph Priestley College108516Joseph Priestley College108517Isle of Wight College108528City and Islington College108524Eastleigh College108525Kackney Community College108526City of Westminster College108527Cambridge Regional College108527Cambridge Regional College108527Blackpool and The Fylde College	108499	Plymouth College of Further Education	110213	East Devon College
108501Northbrook College, Sussex108503North Trafford College of Further Education108505North East Surrey College of Technology108507Newham College of Further Education108507Newham College of Further Education108510Merton College108512Mid-Cheshire College of Further Education108514Kingston College108515Joseph Priestley College108516Joseph Priestley College108517Isle of Wight College108518City and Islington College108523Hackney Community College108524Eastleigh College108525City of Westminster College108526City of Westminster College108527Cambridge Regional College108529Blackpool and The Fylde College	108500	Park Lane College	110214	East Surrey College
108503North Trafford College of Further Education110218Highbury College, Portsmouth108505North East Surrey College of Technology110218Highbury College108507Newham College of Further Education110223Lincoln College108510Merton College110734The Oldham College108512Mid-Cheshire College of Further Education110734The Oldham College108514Kingston College111726City College, Birmingham108515Joseph Priestley College111726City College, Birmingham108518City and Islington College112173Derby College108523Hackney Community College112314Abingdon and Witney College108524Eastleigh College112389City College Brooke House108527Cambridge Regional College115686Longley Park Sixth Form College108529Blackpool and The Fylde College116105Oxford and Cherwell Valley College	108501	Northbrook College, Sussex	110215	Grantham College
108505North East Surrey College of Technology110221Newbury College108507Newham College of Further Education108510Merton College110223Lincoln College108510Merton College of Further Education108512Mid-Cheshire College of Further Education110734The Oldham College108514Kingston College111726City College, Birmingham108515Joseph Priestley College111809Sussex Downs College108518City and Islington College112173Derby College108521Education112314Abingdon and Witney College108523Hackney Community College112380East Riding College108524Eastleigh College112729The Sixth Form College Brooke House108527Cambridge Regional College115686Longley Park Sixth Form College108529Blackpool and The Fylde College116105Oxford and Cherwell Valley College	108503	North Trafford College of Further Education	110218	Highbury College, Portsmouth
108507Newham College of Further Education108510Merton College108511Mid-Cheshire College of Further Education108512Mid-Cheshire College of Further Education108514Kingston College108516Joseph Priestley College108517Isle of Wight College108518City and Islington College108521Education108523Hackney Community College108524Eastleigh College108525City of Westminster College108526City of Westminster College108527Cambridge Regional College108529Blackpool and The Fylde College	108505	North East Surrey College of Technology	110221	Newbury College
108510Merton College108512Mid-Cheshire College of Further Education108512Mid-Cheshire College of Further Education108514Kingston College108516Joseph Priestley College108517Isle of Wight College108518City and Islington College108521Education108523Hackney Community College108524Eastleigh College108526City of Westminster College108527Cambridge Regional College108529Blackpool and The Fylde College	108507	Newham College of Further Education	110223	Lincoln College
108512Mid-Cheshire College of Further Education108514Kingston College108514Kingston College108516Joseph Priestley College108517Isle of Wight College108518City and Islington College108521Education108523Hackney Community College108524Eastleigh College108525City of Westminster College108526City of Westminster College108527Cambridge Regional College108529Blackpool and The Fylde College	108510	Merton College	110734	The Oldham College
108514Kingston College108514Kingston College108516Joseph Priestley College108517Isle of Wight College108518City and Islington College108518City and Islington College108521Education108523Hackney Community College108524Eastleigh College108526City of Westminster College108527Cambridge Regional College108529Blackpool and The Fylde College	108512	Mid-Cheshire College of Further Education	111553	Technology
108516Joseph Priestley College108517Isle of Wight College108517Isle of Wight College108518City and Islington College108521Education108523Hackney Community College108524Eastleigh College108526City of Westminster College108527Cambridge Regional College108529Blackpool and The Fylde College	108514	Kingston College	111726	City College, Birmingham
108517Isle of Wight College108518City and Islington College108518City and Islington College108521Havering College of Further and Higher108523Hackney Community College108524Eastleigh College108526City of Westminster College108527Cambridge Regional College108529Blackpool and The Fylde College	108516	Joseph Priestley College	111809	Sussex Downs College
108518City and Islington CollegeHavering College of Further and Higher108521Education108523Hackney Community College108524Eastleigh College108526City of Westminster College108527Cambridge Regional College108529Blackpool and The Fylde College	108517	Isle of Wight College	112173	Derby College
IndefinitionIndefinition108521Education108523Hackney Community College108524Eastleigh College108526City of Westminster College108527Cambridge Regional College108529Blackpool and The Fylde College	108518	City and Islington College	112314	Abingdon and Witney College
108523Hackney Community College108524Eastleigh College108526City of Westminster College108527Cambridge Regional College108529Blackpool and The Fylde College	108521	Education	112380	East Riding College
108524 Eastleigh College 108526 City of Westminster College 108527 Cambridge Regional College 108529 Blackpool and The Fylde College	108523	Hackney Community College	112389	City College Coventry
108526 City of Westminster College 115686 Longley Park Sixth Form College 108527 Cambridge Regional College 116105 Oxford and Cherwell Valley College 108529 Blackpool and The Fylde College 116105 Oxford and Cherwell Valley College	108524	Eastleigh College	112729	The Sixth Form College Brooke House
108527 Cambridge Regional College 108529 Blackpool and The Fylde College	108526	City of Westminster College	115686	Longley Park Sixth Form College
108529 Blackpool and The Fylde College	108527	Cambridge Regional College	116105	Oxford and Cherwell Valley College
	108529	Blackpool and The Fylde College]	

53	Milton Keynes College
59	East Durham & Houghall Community College
51	New College, Durham
67	Harrow College
32	College of North West London
33	Aylesbury College
38	Salford College
44	Swindon College
93	Loughborough College
)7	King George V College
54	Leek College of Further Education and School of Art
91	Salisbury College
34	Evesham and Malvern Hills College
12	Wiltshire College
11	Carshalton College
13	East Devon College
14	East Surrey College
15	Grantham College
18	Highbury College, Portsmouth
21	Newbury College
23	Lincoln College
34	The Oldham College
53	Manchester College of Arts and Technology
26	City College, Birmingham
)9	Sussex Downs College
73	Derby College
14	Abingdon and Witney College
30	East Riding College
39	City College Coventry
29	The Sixth Form College Brooke House
36	Longley Park Sixth Form College
)5	Oxford and Cherwell Valley College

Providers included in WBL DT calculations

Provider Number	Provider Name
105000	Barnfield College
105008	NACRO
105010	North Hertfordshire College
105017	Dunstable College
105019	Amersham and Wycombe College
105020	The Assessment Company Limited
105023	Berkshire College of Agriculture
105024	Bracknell and Wokingham College
105028	The Henley College
105032	NG Bailey
105034	Pertemps Recruitment Partnership Limited
105037	SPAN Training Organisation
105040	Thames Valley Chamber Training Ltd
105041	Three A's/Pertemps Training
105044	UK Training & Development Ltd
105049	Crystal Training Limited
105051	Focus Pathways
105053	Quantica plc
105055	Heart of England Training Ltd
105058	HCTC Limited
105060	JHP Group Limited
105061	JTL
105062	James Beattie Plc
105064	Resettlement of Offenders (NACRO) (London)
105065	Omega Training Services Ltd
105068	Transworld Publications Services Ltd
105069	Birmingham Rathbone Society
105071	Retail Motor Industry Training
105074	South Birmingham College
105080	Triangle Training Ltd
105086	In-Comm Training Services Ltd
105096	Nova Training Ltd
105099	PTP Training Ltd
105109	Rodbaston College
105110	Sandwell College
105114	Stafford College
105118	Walsall College of Arts and Technology
105120	Mercia Management
105122	Scout Enterprises (Western) Ltd
105140	Bath & North East Somerset Council Training Services
105150	Brunel Training Group
105154	City of Bath College
105156	City of Bristol College
105162	Concorde Professional Development
105174	Filton College
105176	Focussed Limited
105180	Gordano Training Ltd

105182	Hartcliffe and Withywood Ventures Ltd
105188	Intec Business Colleges PLC
105206	Norton Radstock College
105212	The Insurance Training Consortium Ltd
105214	House of Clive Hair & Beauty Ltd (Reflections) (Bedminster)
105224	S&B Training Ltd
105238	Touchstone Learning & Skills Ltd
105242	Weston College
105244	White Horse Accountancy Tuition
105288	Charter Training Services Ltd (Macclesfield)
105301	Reaseheath College
105310	South West Durham Training Ltd
105316	TUI UK Ltd
105318	Midland Group Training Services Ltd
105341	Rathbone Training
105347	Burton College
105349	Orient Gold Limited
105353	Acorn Training Consultants
105357	Amber Valley Borough Council
105360	Babington Business College Ltd (Derby)
105367	Chesterfield College
105372	DART
105420	Stephenson College
105428	Rolls Royce Plc
105432	South East Derbyshire College
105444	Stubbing Court Training
105452	University of Derby, High Peak College
105454	Webs Training Ltd
105458	British Printing Industries Federation (London - Bedford Row)
105460	Focus Training
105463	Cornwall Enterprise (Joblink Training)
105470	Royal Artillery Centre for Personal Development
105478	TQ Training Management Services Ltd
105486	Harlow College
405400	Otley College of Agriculture and
105493	
105496	STS Training Ltd
105498	Seerec Business Technology Centre Ltd
105502	Avon vale Training Ltd
105505	Prospect Training Services (Gloucester)
105509	Ltd
105528	Apprenticeship Training Ltd
105529	Waverley Training Services
105531	Shropshire County Training
105544	Riverside Training
105564	Happy Child LTD T/A Aston Training College
105576	Prospect Training Organisation Ltd
105582	Bishop Burton College
105583	Selby College

105592	Inner London Training Ltd	
105603	West Kent College	
105607	L.I.T.S Ltd	
105608	Central Sports Management & Training LTD	
105619	Financial Training Company	
105621	Leicester & County Footwear Manufacturing Association	
105623	Leicester College	
105632	Polymer Training Limited	
105633	Constant Browning Edmonds Ltd	
105652	Springboard Southwark Trust	
105653	Westminster Kingsway College	
105656	Camden Jobtrain Ltd	
105657	Training for Change Ltd	
105658	Bexley College	
105666	Greenwich Training Company	
105674	Lewisham College	
105685	Seleta Training & Personnel Services Ltd	
105689	Shears Ltd	
105693	Springboard Hackney Trust	
105695	TNG Network Ltd	
105699	Visage School of Hair & Beauty Ltd	
105711	Bromley College of Further and Higher Education	
105714	Croydon College	
105732	JACE Training & Assessment	
105761	Age Concern Training	
105762	Associated Care Training Ltd	
105763	Bury College	
105765	Alliance Learning	
105769	Building Engineering Services Training Limited	
105780	Damar Limited	
105782	The Financial Training Company Limited	
105788	Graham Austin Training Limited	
105804	Manchester Training Ltd	
105809	Michael John Limited	
105810	M J & V L McCormack	
105819	North Lancs Training Group	
105833	Sheffield Trainers	
105834	Protocol Skills Ltd	
105840	Start Training Ltd	
105847	Training & Manpower Ltd (Salford)	
105851	YALE Training	
105855	Training for Travel	
105857	Accounting Technician Training Services	
105859	Andrew Collinge Training Limited	
105874	Headlines Hair & Beauty (N.W.) Ltd	
105879	LITE Ltd	
105884	Mr MJ & Mrs C Heath	
105892	YMCA Training	
105907	St Helens College	
105909	TTE Ltd	

105913	Training Plus (Merseyside) Ltd
105915	Hanovia Style Ltd
105916	Busy Bees Childcare Ltd
105924	NTP Ltd
105927	CITB-ConstructionSkills
105931	NCH Action For Children
105936	West Suffolk College
105939	College of West Anglia
105941	Darlington College of Technology
105948	Askham Bryan College
105958	Yorkshire & Humberside Training Services (Scarborough)
105975	B L Training Limited
105979	John Wade and Partners
105985	Zodiac Training Ltd (Gateshead)
105987	Action for Employment Limited
105988	Access East Midland Ltd
105990	EMTEC Holdings Limited
106007	Metals Industry Skills and Performance
106024	Erangesee Group (Holdings) Ltd
106020	
106060	Huddersfield Taytile Training Ltd
100000	
100000	Newcastle-under-Lyme College
106089	WS Training Ltd (Bury St Edmunds)
106098	City College Brighton and Hove
106109	Sussex Training Group
106132	General Physics (UK) Ltd
100133	
106140	North East Chamber of Commerce
106143	(Training) Ltd
106157	Arena Learning Ltd
106160	Barnardos
106165	First 4 Fitness Ltd
106172	ITEC North East Ltd
106183	North East Employment Training Agency Limited
106195	Springboard Sunderland Trust
106196	Support Training Limited
106010	Business Employment Services Training
106000	
100220	Kitkdele Industriel Training Conviewe Ltd
100273	Kirkdale Industrial Training Services Ltd
106273	Loods Collogo of Tochnology
100277	Mid-Yorkshire Chamber of Commerce &
106279	Industry Training
106297	Learning Innovations Training Team Ltd.
106299	WMDC Public Services Department
106311	Key Training Limited
106317	Sarum Training
106319	Bedford College
106320	Bedford Training Group
106321	InterBusiness Group Ltd
106323	Education & Business Partnership

106325	Management & Personnel Services	
106326	Atomic Weapons Establishment	
106328	Chiltern Training Ltd	
106329	Inglewood House Nursery	
106336	Slough Borough Council	
106340	West Berkshire Training Consortium	
106341	3E'S Enterprises (Trading) Ltd	
106343	Bellis Training	
106345	Birmingham Academy Training Ltd	
400040	Birmingham College of Food, Tourism and	
106349	Creative Studies	
106350	EEE West Midlanda Tashaalagu Cantra	
106351	EEF West Midlands Technology Centre	
100352	Employment Needs Training Agency Ltd	
106353	Greenspring Training	
106357	Josian Mason Sixth Form College	
106358	Kingsbury Training Centre Ltd	
106360	Margaret MicAtominey Associates Matthew Boulton College of Further and	
106361	Higher Education	
106366	Solihull College	
106368	Sutton Coldfield College	
106369	Gordon Franks (Training & Personnel)	
106372	Juniper Training Ltd	
106373	Deemac Training Services Ltd	
106374	Dudley College of Technology	
106378	Royal Wolverhampton NHS Hospital Trust	
106380	Sandwell New Horizons	
106381	Sandwell Training Association LTd	
106386	Trinity Training Services	
106388	City of Wolverhampton College	
106393	Haydon Training Services	
106400	Cambridge City Council	
106402	Huntingdonshire Regional College	
106403	Isle College FE Corporation	
106404	Marshall of Cambridge Aerospace Limited	
106405	Mymar Computer Services	
106409	Peterborough Regional College	
106412	Vogal Industrial Training	
106414	Career Steps Ltd	
106416	Go Smart	
106420	SDA Training	
106424	Vale Royal Borough Council	
106426	Warrington Borough Council	
106427	Warrington Collegiate	
106429	West Cheshire College	
106432	Sedgefield Borough Council	
106433	Shildon & Darlington Training Ltd	
106437	Coventry & warwickshire Champers of Commerce Training Limited	
106439	Dunlop Aerospace	
106441	Henley College Coventry	
106442	North Warwickshire & Hinckley College	
106445	Stratford upon Avon College	

Warwickshire College, Royal Learnington 106448 Spa, Rugby and Moreton Morrell 106449 Adventure Education Training 106454 Carlisle College 106455 Furness College 106456 Cumbria Child Care Centre 106457 Furness College 106458 GEN II Engineering & Technology Training 106463 Kimberly - Clark Ltd 106466 Lancaster Training Services Ltd 106467 Lancaster Training Services Ltd 106468 University of Central Lancashire 106470 RWP Training Ltd 106476 Lakes College, West Cumbria 106480 A&P Falmouth Ltd (Falmouth) 106483 Bicton College 106484 Acaeira Training & Development Limited 106483 Bicton College 106484 Centrax Ltd 106492 Darington Tech 106493 Devon & Cornwall Electrical Training Devonport Royal Dockyard Ltd Va Devonport Management Ltd 106499 Deduty College 106490 Darake Training & Development Ltd 106491 Drake Training Bevelopment Ltd	106447	Warwickshire Group Training Association
106449 Adventure Education Training 106454 Carlisle College 106455 Cumbria Child Care Centre 106457 Furness College 106458 GEN II Engineering & Technology Training 106462 Kendal College 106463 Kimberly - Clark Ltd 106464 Lancaster and Morecambe College 106465 Lancaster Training Services Ltd 106466 Lancaster Training Ltd 106470 RVP Training Ltd 106470 RVP Training Ltd 106480 A&P Falmouth Ltd (Falmouth) 106481 Bicton College 106482 Academy of Training 106483 Bicton College 106484 Centrax Ltd 106485 Dervon & Cornwall Electrical Training 106490 Cornwall College 106491 DMT Business Services Ltd 106492 Dartington Tech 106493 Devon & Cornwall Electrical Training 106494 Devonyout Royal Dockyard Ltd Ya 106495 Hepco Slide Systems Ltd 106505 The Glenbeigh Group 106506 Hepco S	106448	Warwickshire College, Royal Leamington Spa, Rugby and Moreton Morrell
106454 Carlisle College 106455 Cumbria Child Care Centre 106457 Furness College 106458 GEN II Engineering & Technology Training 106463 Kimberly - Clark Ltd 106466 Lancaster and Morecambe College 106467 Lancaster Training Services Ltd 106468 University of Central Lancashire 106470 RWP Training Ltd 106470 RWP Training Ltd 106470 A&P Falmouth Ltd (Falmouth) 106480 A&P Falmouth Ltd (Falmouth) 106481 Bicton College 106482 Academy of Training 106483 Bicton College 106484 Acacia Training & Development Limited 106483 Dornwall College 106494 DMT Business Services Ltd 106492 Dartington Tech 06493 Devon & Cornwall Electrical Training 0evonport Royal Dockyard Ltd Va 106498 106499 Education and Training Skills Ltd 106503 The Glenbeigh Group 106504 Group Training & Development Ltd	106449	Adventure Education Training
106456 Cumbria Child Care Centre 106457 Furness College 106458 GEN II Engineering & Technology Training 106462 Kendal College 106463 Kimberly - Clark Ltd 106464 Lancaster and Morecambe College 106466 Lancaster Training Services Ltd 106467 Lancaster Training Services Ltd 106468 University of Central Lancashire 106470 RWP Training Ltd 106480 A&E Falmouth Ltd (Falmouth) 106483 Bicton College 106484 Acacia Training & Development Limited 106485 Centrax Ltd 106490 Cornwall College 106491 DMT Business Services Ltd 106492 Dartington Tech 106493 Devon & Cornwall Electrical Training Devonport Royal Dockyard Ltd Va 106494 Duchy College 106495 The Glenbeigh Group 106496 Group Training & Development Ltd 106497 Drake Training (South West) Ltd 106498 Education and Training Skills Ltd 106503 The Glenbeigh Group 106504 Group Trai	106454	Carlisle College
106457 Furness College 106458 GEN II Engineering & Technology Training 106462 Kendal College 106463 Kimberly - Clark Ltd 106466 Lancaster and Morecambe College 106467 Lancaster Training Services Ltd 106468 University of Central Lancashire 106470 RWP Training Ltd 106471 Lakes College, West Cumbria 106483 Bicton College 106484 Ase Falmouth Ltd (Falmouth) 106483 Bicton College 106484 Centrax Ltd 106487 Centrax Ltd 106490 Cornwall College 106491 DMT Business Services Ltd 106492 Dartington Tech 106493 Devon & Cornwall Electrical Training Devonport Royal Dockyard Ltd Va Devonport Management Ltd 106493 Devon port Management Ltd 106494 Duchy College 106495 The Glenbeigh Group 106496 Group Training & Development Ltd 106507 Hegco Slide Systems Ltd 106508 The College of Art and Design 10651	106456	Cumbria Child Care Centre
106458 GEN II Engineering & Technology Training 106462 Kendal College 106463 Kimberly - Clark Ltd 106464 Lancaster and Morecambe College 106467 Lancaster Training Services Ltd 106468 University of Central Lancashire 106470 RWP Training Ltd 106476 Lakes College, West Cumbria 106480 A&P Falmouth Ltd (Falmouth) 106481 Bicton College 106482 Academy of Training 106483 Bicton College 106484 Acacia Training & Development Limited 106487 Centrax Ltd 106490 Cornwall College 106491 DMT Business Services Ltd 106492 Dartington Tech 106493 Devon & Conwall Electrical Training Devonport Royal Dockyard Ltd Va 106494 Duchy College 106495 Hepco Slide Systems Ltd 106504 Group Training & Development Ltd 106505 Hepco Slide Systems Ltd 106506 Hepco Slide Systems Ltd 106517 Puffins of Exeter 1065108 PSC Training and Development Limited<	106457	Furness College
106462 Kendal College 106463 Kimberly - Clark Ltd 106466 Lancaster and Morecambe College 106467 Lancaster Training Services Ltd 106468 University of Central Lancashire 106470 RWP Training Ltd 106476 Lakes College, West Cumbria 106480 A&P Falmouth Ltd (Falmouth) 106482 Academy of Training 106483 Bicton College 106484 Acacia Training & Development Limited 106487 Centrax Ltd 106490 Cornwall College 106491 DMT Business Services Ltd 106492 Dartington Tech 106493 Devon & Cornwall Electrical Training Devonport Royal Dockyard Ltd Va 106494 Duchy College 106495 Deconport Royal Dockyard Ltd Va 106496 Devonport Royal Dockyard Ltd Va 106497 Drake Training (South West) Ltd 106498 Duchy College 106503 The Glenbeigh Group 106504 Group Training & Development Ltd 106505 Hepco Slide Systems Ltd 106506 PosC Training and Development	106458	GEN II Engineering & Technology Training
106463Kimberly - Clark Ltd106466Lancaster and Morecambe College106477Lancaster Training Services Ltd106488University of Central Lancashire106470RWP Training Ltd106471Lakes College, West Cumbria106482Academy of Training106483Bicton College106484Acacia Training & Development Limited106485Centrax Ltd106480Cornwall College106481DMT Business Services Ltd106492Dartington Tech106493Devon & Cornwall Electrical Training Devonport Royal Dockyard Ltd Va106496Dordyal College106497Drake Training (South West) Ltd106498Duchy College106499Education and Training Skills Ltd106504Group Training & Development Ltd106505Hepco Slide Systems Ltd106506Hepco Slide Systems Ltd106511Technology Training Centre106512Accountancy Plus (Training) Ltd106523Dev Training and Development Limited106514PSC Training and Development Limited106525Hepco Distribution (Southwest)106526The Torridge Training Group106527Locomotivation Ltd106528Bournemouth & Poole College106529North Devon Distribution (Southwest)106521Locomotivation Ltd106522Bournemouth & Poole College106533Paragon Training (Dorset) Ltd106544Central Training College106555<	106462	Kendal College
106466Lancaster and Morecambe College106477Lancaster Training Services Ltd106470RWP Training Ltd106470RWP Training Ltd106471Lakes College, West Cumbria106482Academy of Training106483Bicton College106484Acacia Training & Development Limited106485Centrax Ltd106480Cornwall College106481DMT Business Services Ltd106492Dartington Tech106493Devon & Cornwall Electrical Training Devonport Royal Dockyrad Ltd Va106496Devon & Cornwall Electrical Training Devonport Royal Dockyrad Ltd106497Drake Training (South West) Ltd106498Duchy College106503The Glenbeigh Group106504Group Training & Development Ltd106505Hepco Slide Systems Ltd106506Hepco Slide Systems Ltd106511Technology Training Centre106512Accountancy Plus (Training) Ltd106523Accountancy Plus (Training) Ltd106524Accountancy Plus (Training) Ltd106525Hepco Training Group106526The Torridge Training Group106521Accountancy Plus (Training) Ltd106522Bournemouth & Poole College106533Paragon Training (Dorset) Ltd106544Central Training (Dorset) Ltd106554Ford Motor Company Ltd106545Ford Motor Company Ltd106546Ford Motor Company Ltd106547Lackmark Training106	106463	Kimberly - Clark Ltd
106467 Lancaster Training Services Ltd 106470 RWP Training Ltd 106470 RWP Training Ltd 106476 Lakes College, West Cumbria 106480 A&P Falmouth Ltd (Falmouth) 106482 Academy of Training 106483 Bicton College 106484 Acacia Training & Development Limited 106485 Centrax Ltd 106490 Cornwall College 106491 DMT Business Services Ltd 106492 Dartington Tech 106493 Devon & Cornwall Electrical Training Devonport Royal Dockyard Ltd t/a Devonport Management Ltd 106496 Devonport Management Ltd 106497 Drake Training (South West) Ltd 106498 Duchy College 106499 Education and Training Skills Ltd 106503 The Glenbeigh Group 106504 Group Training & Development Ltd 106505 Hepco Slide Systems Ltd 106516 PSC Training and Development Limited 106517 Putfins of Exeter 106526 The Torridge Training Group 106527 Accountancy Plus (Training) Lt	106466	Lancaster and Morecambe College
106468 University of Central Lancashire 106470 RWP Training Ltd 106476 Lakes College, West Cumbria 106480 A&P Falmouth Ltd (Falmouth) 106482 Academy of Training 106483 Bicton College 106484 Acacia Training & Development Limited 106485 Centrax Ltd 106490 Cornwall College 106491 DMT Business Services Ltd 106492 Dartington Tech 106493 Devon & Cornwall Electrical Training Devonport Royal Dockyard Ltd t/a Devonport Management Ltd 106496 Devonport Management Ltd 106497 Drake Training (South West) Ltd 106498 Duchy College 106499 Education and Training Skills Ltd 106503 The Glenbeigh Group 106504 Group Training & Development Ltd 106505 Hepco Slide Systems Ltd 106511 Plymouth College of Art and Design 106512 PAccountancy Plus (Training) Ltd 106513 Plymouth College of Art and Design 106514 PSC Training and Development Limited 106515	106467	Lancaster Training Services Ltd
106470 RWP Training Ltd 106476 Lakes College, West Cumbria 106480 A&P Falmouth Ltd (Falmouth) 106481 Bicton College 106482 Academy of Training 106483 Bicton College 106486 Acacia Training & Development Limited 106487 Centrax Ltd 106490 Cornwall College 106491 DMT Business Services Ltd 106492 Dartington Tech 106493 Devon & Conwall Electrical Training Devonport Royal Dockyard Ltd t/a Devonport Royal Dockyard Ltd 106496 Devonport Royal Dockyard Ltd t/a 106497 Drake Training (South West) Ltd 106498 Duchy College 106499 Education and Training Skills Ltd 106503 The Glenbeigh Group 106504 Group Training & Development Ltd 106505 Hepco Slide Systems Ltd 106506 PSC Training and Development Limited 106517 Puffins of Exeter 106518 PSC Training Group 106529 Ultra Training Ltd Western Power Distribution (Southwest)	106468	University of Central Lancashire
106476 Lakes College, West Cumbria 106480 A&P Falmouth Ltd (Falmouth) 106482 Academy of Training 106483 Bicton College 106486 Acacia Training & Development Limited 106487 Centrax Ltd 106490 Cornwall College 106491 DMT Business Services Ltd 106492 Dartington Tech 106493 Devon & Cornwall Electrical Training Devonport Royal Dockyard Ltd t/a Devonport Royal Dockyard Ltd 106497 Drake Training (South West) Ltd 106498 Duchy College 106503 The Glenbeigh Group 106504 Group Training & Development Ltd 106505 Hepco Slide Systems Ltd 106506 Hepco Slide Systems Ltd 106507 Puginton Secretarial Information 106518 Plymouth College of Art and Design 106517 Puffins of Exeter 106528 Ultra Training And Development Limited 106529 North Devor Distribution (Southwest) 106530 PLC 106531 Puffins of Exeter 106552 Bournemouth & Poole Colleg	106470	RWP Training Ltd
106480A&P Falmouth Ltd (Falmouth)106482Academy of Training106483Bicton College106486Acacia Training & Development Limited106487Centrax Ltd106490Cornwall College106491DMT Business Services Ltd106492Dartington Tech106493Devon & Cornwall Electrical TrainingDevonport Royal Dockyard Ltd t/a106494Devonport Royal Dockyard Ltd t/a106495Devonport Royal Dockyard Ltd 106497Drake Training (South West) Ltd106498Duchy College106499Education and Training Skills Ltd106503The Glenbeigh Group106504Group Training & Development Ltd106505Hepco Slide Systems Ltd106506Hepco Slide Systems Ltd106517Puffins of Exeter106518PISC Training and Development Limited106517Putfins of Exeter106526The Torridge Training Group106527Accountancy Plus (Training) Ltd106528Ultra Training Ltd106530PLC106532Bournemouth & Poole College106533Paragon Training (Dorset) Ltd106544Baking College106545Ford Motor Company Ltd106546Ford Motor Company Ltd106547Landmark Training106548Central Training Academy106549Landmark Training	106476	Lakes College, West Cumbria
106482Academy of Training106483Bicton College106486Acacia Training & Development Limited106487Centrax Ltd106490Cornwall College106491DMT Business Services Ltd106492Dartington Tech106493Devon & Cornwall Electrical TrainingDevonport Royal Dockyard Ltd t/aDe494Devonport Royal Dockyard Ltd t/a106495Devonport Royal Dockyard Ltd t/a106496Devonport Royal Dockyard Ltd t/a106497Drake Training (South West) Ltd106498Duchy College106499Education and Training Skills Ltd106503The Glenbeigh Group106504Group Training & Development Ltd106505Hepco Slide Systems Ltd106506Hepco Slide Systems Ltd106517Putfins of Exeter106518PSC Training and Development Limited106517Putfins of Exeter106528Ultra Training Croup106528Ultra Training Group106530PLC106532Bournemouth & Poole College106533Paragon Training (Dorset) Ltd106534Central Training (Dorset) Ltd106544Barking College106545Ford Motor Company Ltd106546Ford Motor Company Ltd106547Landmark Training106548Central Training Academy106549Landmark Training	106480	A&P Falmouth Ltd (Falmouth)
106483Bicton College106486Acacia Training & Development Limited106487Centrax Ltd106490Cornwall College106491DMT Business Services Ltd106492Dartington Tech106493Devon & Cornwall Electrical TrainingDevonport Royal Dockyard Ltd Va106496Devonport Management Ltd106497Drake Training (South West) Ltd106498Duchy College106499Education and Training Skills Ltd106503The Glenbeigh Group106504Group Training & Development Ltd106505Hepco Slide Systems Ltd106506Paignton Secretarial Information106517Puffins of Exeter106516PSC Training and Development Limited106517Puffins of Exeter106528Ultra Training Ltd106529Western Power Distribution (Southwest)106530PLC106531PLC106532Bournemouth & Poole College106534Kingston Maurward College106535Paragon Training (Dorset) Ltd106540Weymouth College106541B&D Training Services106542Barking College106544Ford Motor Company Ltd106545Ketral Training Academy106549Landmark Training106549Landmark Training	106482	Academy of Training
106486Acacia Training & Development Limited106487Centrax Ltd106490Cornwall College106491DMT Business Services Ltd106492Dartington Tech106493Devon & Cornwall Electrical TrainingDevonport Royal Dockyard Ltd t/a106496Devonport Management Ltd106497Drake Training (South West) Ltd106498Duchy College106499Education and Training Skills Ltd106503The Glenbeigh Group106504Group Training & Development Ltd106505Hepco Slide Systems Ltd106506Paignton Secretarial Information106511Petrining and Development Limited106512PSC Training and Development Limited106513Plymouth College of Art and Design106526The Torridge Training Group106527Puffins of Exeter106528Ultra Training Ltd106530PLC106531Bournemouth & Poole College106532Bournemouth & Poole College106534Kingston Maurward College106535Paragon Training (Dorset) Ltd106540Weymouth College106541B&D Training Services106542Barking College106543Ford Motor Company Ltd106544Central Training Academy106545Metropolitan Enterprises	106483	Bicton College
106487Centrax Ltd106490Cornwall College106491DMT Business Services Ltd106492Dartington Tech106493Devon & Cornwall Electrical TrainingDevonport Royal Dockyard Ltd Va106496Devonport Management Ltd106497Drake Training (South West) Ltd106498Duchy College106499Education and Training Skills Ltd106503The Glenbeigh Group106504Group Training & Development Ltd106505Hepco Slide Systems Ltd106506Hepco Slide Systems Ltd106517Puffins of Exeter106518Plymouth College of Art and Design106516PSC Training and Development Limited106517Puffins of Exeter106528Ultra Training Ltd106530PLC106532Bournemouth & Poole College106533Paragon Training (Dorset) Ltd106534Paragon Training (Dorset) Ltd106535Paragon Training (Dorset) Ltd106544Everman Company Ltd106545Ford Motor Company Ltd106548Central Training Academy106549Landmark Training106549Landmark Training	106486	Acacia Training & Development Limited
106490Cornwall College106491DMT Business Services Ltd106492Dartington Tech106493Devon & Cornwall Electrical TrainingDevonport Royal Dockyard Ltd t/a106496Devonport Management Ltd106497Drake Training (South West) Ltd106498Duchy College106499Education and Training Skills Ltd106503The Glenbeigh Group106504Group Training & Development Ltd106505Hepco Slide Systems Ltd106506Hepco Slide Systems Ltd106507Paignton Secretarial Information106518Plymouth College of Art and Design106517Puffins of Exeter106528Ultra Training and Development Limited106528Ultra Training Group106530PLC106532Bournemouth & Poole College106534Faragon Training (Dorset) Ltd106535Paragon Training (Dorset) Ltd106540Weymouth College106541B&D Training Services106542Ford Motor Company Ltd106544Ford Motor Company Ltd106545Metropolitan Enterprises	106487	Centrax Ltd
106491DMT Business Services Ltd106492Dartington Tech106493Devon & Cornwall Electrical TrainingDevonport Royal Dockyard Ltd t/a106496Devonport Management Ltd106497Drake Training (South West) Ltd106498Duchy College106499Education and Training Skills Ltd106503The Glenbeigh Group106504Group Training & Development Ltd106505Hepco Slide Systems Ltd106506Morth Devon CollegePaignton Secretarial Information106511Technology Training Centre106513Plymouth College of Art and Design106516PSC Training and Development Limited106527Puffins of Exeter106528Ultra Training Ltd106530PLC106532Bournemouth & Poole College106534Faragon Training (Dorset) Ltd106535Paragon Training (Dorset) Ltd106540Weymouth College106541B&D Training Services106542Ford Motor Company Ltd106544Ford Motor Company Ltd106545Metropolitan Enterprises	106490	Cornwall College
106492Dartington Tech106493Devon & Cornwall Electrical Training Devonport Royal Dockyard Ltd t/a Devonport Management Ltd106496Devonport Management Ltd106497Drake Training (South West) Ltd106498Duchy College106499Education and Training Skills Ltd106503The Glenbeigh Group106504Group Training & Development Ltd106505Hepco Slide Systems Ltd106509North Devon College Paignton Secretarial Information Technology Training Centre106511Technology Training Centre106512Accountancy Plus (Training) Ltd106521Accountancy Plus (Training) Ltd106522Ultra Training Ltd Western Power Distribution (Southwest) PLC106532Bournemouth & Poole College106533Paragon Training (Dorset) Ltd106534Paragon Training Corlege106535Paragon Training (Dorset) Ltd106540Weymouth College106541B&D Training Services106542Barking College106544Central Training Academy106545Ketropolitan Enterprises	106491	DMT Business Services Ltd
106493Devon & Cornwall Electrical Training Devonport Royal Dockyard Ltd t/a Devonport Management Ltd106496Devonport Management Ltd106497Drake Training (South West) Ltd106498Duchy College106499Education and Training Skills Ltd106503The Glenbeigh Group106504Group Training & Development Ltd106505Hepco Slide Systems Ltd106506Hepco Slide Systems Ltd106507Preco Slide Systems Ltd106508North Devon CollegePaignton Secretarial Information106511Technology Training Centre106513Plymouth College of Art and Design106516PSC Training and Development Limited106521Accountancy Plus (Training) Ltd106526The Torridge Training Group106528Ultra Training LtdWestern Power Distribution (Southwest)PLCNof530106532Bournemouth & Poole College106533Locomotivation Ltd106534Paragon Training (Dorset) Ltd106540Weymouth College106541B&D Training Services106542Barking College106544Ford Motor Company Ltd106545Central Training Academy106545Metropolitan Enterprises	106492	Dartington Tech
Devonport Royal Dockyard Ltd t/a106496Devonport Management Ltd106497Drake Training (South West) Ltd106498Duchy College106499Education and Training Skills Ltd106503The Glenbeigh Group106504Group Training & Development Ltd106505Hepco Slide Systems Ltd106506Hepco Slide Systems Ltd106507North Devon CollegePaignton Secretarial Information106511Technology Training Centre106513Plymouth College of Art and Design106516PSC Training and Development Limited106517Puffins of Exeter106528Ultra Training Ltd106528Ultra Training Ltd106530PLC106532Bournemouth & Poole College106534Kingston Maurward College106535Locomotivation Ltd106540Weymouth College106541B&D Training Services106542Barking College106544Ford Motor Company Ltd106545Landmark Training106549Landmark Training	106493	Devon & Cornwall Electrical Training
100100Developer manugement Ltd106497Drake Training (South West) Ltd106498Duchy College106499Education and Training Skills Ltd106503The Glenbeigh Group106504Group Training & Development Ltd106505Hepco Slide Systems Ltd106509North Devon CollegePaignton Secretarial Information106511Technology Training Centre106513Plymouth College of Art and Design106516PSC Training and Development Limited106517Puffins of Exeter106521Accountancy Plus (Training) Ltd106526The Torridge Training Group106528Ultra Training LtdWestern Power Distribution (Southwest)PLC106532Bournemouth & Poole College106533Paragon Training (Dorset) Ltd106540Weymouth College106541B&D Training Services106542Barking College106544Ford Motor Company Ltd106549Landmark Training106555Metropolitan Enterprises	106496	Devonport Royal Dockyard Ltd t/a
100407Drake Haining (count west) Ed106498Duchy College106499Education and Training Skills Ltd106503The Glenbeigh Group106504Group Training & Development Ltd106505Hepco Slide Systems Ltd106509North Devon CollegePaignton Secretarial Information106511Technology Training Centre106513Plymouth College of Art and Design106516PSC Training and Development Limited106517Puffins of Exeter106521Accountancy Plus (Training) Ltd106526The Torridge Training Group106528Ultra Training LtdWestern Power Distribution (Southwest)106530PLC106532Bournemouth & Poole College106534Paragon Training (Dorset) Ltd106541B&D Training Services106542Barking College106544Ford Motor Company Ltd106545Kentral Training Academy106549Landmark Training106549Landmark Training	106497	Drake Training (South West) Ltd
100400Education and Training Skills Ltd106499Education and Training Skills Ltd106503The Glenbeigh Group106504Group Training & Development Ltd106505Hepco Slide Systems Ltd106509North Devon CollegePaignton Secretarial Information106511Technology Training Centre106513Plymouth College of Art and Design106516PSC Training and Development Limited106517Puffins of Exeter106521Accountancy Plus (Training) Ltd106526The Torridge Training Group106528Ultra Training LtdWestern Power Distribution (Southwest)106530PLC106532Bournemouth & Poole College106534Kingston Maurward College106535Locomotivation Ltd106541B&D Training Services106542Barking College106544Ford Motor Company Ltd106549Landmark Training106549Landmark Training106555Metropolitan Enterprises	106498	
100-100Education and Haining Oxins Eta106503The Glenbeigh Group106504Group Training & Development Ltd106505Hepco Slide Systems Ltd106509North Devon CollegePaignton Secretarial Information106511Technology Training Centre106513Plymouth College of Art and Design106516PSC Training and Development Limited106517Puffins of Exeter106521Accountancy Plus (Training) Ltd106526The Torridge Training Group106528Ultra Training LtdWestern Power Distribution (Southwest)106530PLC106532Bournemouth & Poole College106534Kingston Maurward College106535Locomotivation Ltd106541B&D Training Services106542Barking College106543Ford Motor Company Ltd106544Central Training Academy106549Landmark Training106555Metropolitan Enterprises	106499	Education and Training Skills I to
100000The Clonbergh Oreap106500Group Training & Development Ltd106505Hepco Slide Systems Ltd106509North Devon CollegePaignton Secretarial Information106511Technology Training Centre106513Plymouth College of Art and Design106516PSC Training and Development Limited106517Puffins of Exeter106521Accountancy Plus (Training) Ltd106526The Torridge Training Group106528Ultra Training LtdWestern Power Distribution (Southwest)106530PLC106532Bournemouth & Poole College106534Kingston Maurward College106535Locomotivation Ltd106540Weymouth College106541B&D Training Services106542Barking College106543Central Training Academy106549Landmark Training106555Metropolitan Enterprises	106503	The Glenbeigh Group
100001Eroop Haining & Development Ex106505Hepco Slide Systems Ltd106509North Devon CollegePaignton Secretarial Information106511Technology Training Centre106513Plymouth College of Art and Design106516PSC Training and Development Limited106517Puffins of Exeter106521Accountancy Plus (Training) Ltd106526The Torridge Training Group106528Ultra Training Ltd106530PLC106532Bournemouth & Poole College106533Lacomotivation Ltd106534Paragon Training (Dorset) Ltd106540Weymouth College106541B&D Training Services106542Barking College106543Central Training Academy106549Landmark Training106555Metropolitan Enterprises	106504	Group Training & Development Ltd
106509 North Devon College Paignton Secretarial Information 106511 Technology Training Centre 106513 Plymouth College of Art and Design 106516 PSC Training and Development Limited 106517 Puffins of Exeter 106521 Accountancy Plus (Training) Ltd 106526 The Torridge Training Group 106528 Ultra Training Ltd Western Power Distribution (Southwest) 106530 PLC 106532 Bournemouth & Poole College 106533 Locomotivation Ltd 106534 Kingston Maurward College 106535 Locomotivation Ltd 106540 Weymouth College 106541 B&D Training Services 106542 Barking College 106543 Ford Motor Company Ltd 106544 Central Training Academy 106549 Landmark Training 106555 Metropolitan Enterprises	106505	Hepco Slide Systems Ltd
Paignton Secretarial Information106511Technology Training Centre106513Plymouth College of Art and Design106516PSC Training and Development Limited106517Puffins of Exeter106521Accountancy Plus (Training) Ltd106526The Torridge Training Group106528Ultra Training Ltd106530PLC106532Bournemouth & Poole College106533Locomotivation Ltd106534Kingston Maurward College106535Locomotivation Ltd106540Weymouth College106541B&D Training Services106542Barking College106543Central Training Academy106549Landmark Training106555Metropolitan Enterprises	106509	North Devon College
106513Plymouth College of Art and Design106516PSC Training and Development Limited106517Puffins of Exeter106521Accountancy Plus (Training) Ltd106526The Torridge Training Group106528Ultra Training Ltd106530PLC106532Bournemouth & Poole College106533Kingston Maurward College106534Locomotivation Ltd106538Paragon Training (Dorset) Ltd106540Weymouth College106541B&D Training Services106542Barking College106543Central Training Academy106549Landmark Training106555Metropolitan Enterprises	106511	Paignton Secretarial Information Technology Training Centre
106516PSC Training and Development Limited106517Puffins of Exeter106521Accountancy Plus (Training) Ltd106526The Torridge Training Group106528Ultra Training Ltd06528Ultra Training Ltd06530PLC106532Bournemouth & Poole College106533Kingston Maurward College106534Locomotivation Ltd106538Paragon Training (Dorset) Ltd106540Weymouth College106541B&D Training Services106542Barking College106543Central Training Academy106549Landmark Training106555Metropolitan Enterprises	106513	Plymouth College of Art and Design
106517Puffins of Exeter106521Accountancy Plus (Training) Ltd106526The Torridge Training Group106528Ultra Training Ltd106528Western Power Distribution (Southwest)106530PLC106532Bournemouth & Poole College106536Kingston Maurward College106537Locomotivation Ltd106538Paragon Training (Dorset) Ltd106540Weymouth College106541B&D Training Services106542Barking College106543Central Training Academy106549Landmark Training106555Metropolitan Enterprises	106516	PSC Training and Development Limited
106521Accountancy Plus (Training) Ltd106526The Torridge Training Group106528Ultra Training Ltd106528Western Power Distribution (Southwest)106530PLC106532Bournemouth & Poole College106536Kingston Maurward College106537Locomotivation Ltd106538Paragon Training (Dorset) Ltd106540Weymouth College106541B&D Training Services106542Barking College106544Ford Motor Company Ltd106548Central Training Academy106549Landmark Training106555Metropolitan Enterprises	106517	Puffins of Exeter
106526The Torridge Training Group106528Ultra Training LtdWestern Power Distribution (Southwest)106530PLC106532Bournemouth & Poole College106536Kingston Maurward College106537Locomotivation Ltd106538Paragon Training (Dorset) Ltd106540Weymouth College106541B&D Training Services106542Barking College106543Central Training Academy106549Landmark Training106555Metropolitan Enterprises	106521	Accountancy Plus (Training) Ltd
106528Ultra Training LtdWestern Power Distribution (Southwest)106530PLC106532Bournemouth & Poole College106536Kingston Maurward College106537Locomotivation Ltd106538Paragon Training (Dorset) Ltd106540Weymouth College106541B&D Training Services106542Barking College106546Ford Motor Company Ltd106548Central Training Academy106549Landmark Training106555Metropolitan Enterprises	106526	The Torridge Training Group
Western Power Distribution (Southwest)106530PLC106532Bournemouth & Poole College106536Kingston Maurward College106537Locomotivation Ltd106538Paragon Training (Dorset) Ltd106540Weymouth College106541B&D Training Services106542Barking College106544Ford Motor Company Ltd106548Central Training Academy106549Landmark Training106555Metropolitan Enterprises	106528	Ultra Training Ltd
106532Bournemouth & Poole College106536Kingston Maurward College106537Locomotivation Ltd106538Paragon Training (Dorset) Ltd106540Weymouth College106541B&D Training Services106542Barking College106546Ford Motor Company Ltd106548Central Training Academy106549Landmark Training106555Metropolitan Enterprises	106530	Western Power Distribution (Southwest) PLC
106536Kingston Maurward College106537Locomotivation Ltd106538Paragon Training (Dorset) Ltd106540Weymouth College106541B&D Training Services106542Barking College106546Ford Motor Company Ltd106548Central Training Academy106549Landmark Training106555Metropolitan Enterprises	106532	Bournemouth & Poole College
106537Locomotivation Ltd106538Paragon Training (Dorset) Ltd106540Weymouth College106541B&D Training Services106542Barking College106546Ford Motor Company Ltd106548Central Training Academy106549Landmark Training106555Metropolitan Enterprises	106536	Kingston Maurward College
106538Paragon Training (Dorset) Ltd106540Weymouth College106541B&D Training Services106542Barking College106546Ford Motor Company Ltd106548Central Training Academy106549Landmark Training106555Metropolitan Enterprises	106537	Locomotivation Ltd
106540Weymouth College106541B&D Training Services106542Barking College106546Ford Motor Company Ltd106548Central Training Academy106549Landmark Training106555Metropolitan Enterprises	106538	Paragon Training (Dorset) Ltd
106541B&D Training Services106542Barking College106546Ford Motor Company Ltd106548Central Training Academy106549Landmark Training106555Metropolitan Enterprises	106540	Weymouth College
106542Barking College106546Ford Motor Company Ltd106548Central Training Academy106549Landmark Training106555Metropolitan Enterprises	106541	B&D Training Services
106546Ford Motor Company Ltd106548Central Training Academy106549Landmark Training106555Metropolitan Enterprises	106542	Barking College
106548Central Training Academy106549Landmark Training106555Metropolitan Enterprises	106546	Ford Motor Company Ltd
106549Landmark Training106555Metropolitan Enterprises	106548	Central Training Academy
106555 Metropolitan Enterprises	106549	Landmark Training
	106555	Metropolitan Enterprises

106556	Tower Hamlets College	
106563	Chelmsford College	
106564	Colchester Institute	
106566	Essex County Council, HRS: Staff Development	
106569	South East Essex College of Arts and Technology	
106578	Bridge Training Ltd	
106579	Cheltenham Community Project	
106580	Clarkson Evans Ltd	
106581	Coverage Care Gloucestershire Ltd	
106583	Gloucestershire College of Arts and Technology	
106584	Gloucester City Council	
106585	Gloucestershire Training Group Ltd	
106586	Hartpury College	
106587	Shire Training Workshops	
106588	Rapido Training Ltd	
106589	Royal Forest of Dean College	
106590	Stroud College of Further Education	
106592	Summerhouse Education & Equitation Centre	
106595	Defence Food Services School	
106596	Basingstoke College of Technology	
106598	Defence Munitions	
106601	Fareport Training Organisation Ltd	
106602	Farnborough College of Technology	
106603	FNTC Training and Consultancy Ltd	
106604	Flagship Training Ltd	
106607	Hoskins Management Development Ltd	
106608	Initiative Training & Enterprise Limited	
106610	DARA (Fleetlands)	
106611	Rainer City Training	
106612	SETA Ltd	
106614	Southampton City College	
106615	Southampton City Training	
106618	Sparsholt College, Hampshire	
106622	Ackers Academy	
106633	Herefordshire College of Technology	
106634	Herefordshire NHS Primary Care Trust	
106636	Kidderminster & District Training Company	
106637	Kidderminster College	
106641	North East Worcestershire College	
106642	PGI Travel	
106646	SEGTA Management Services	
106648	Stourbridge College	
106654	Connexions	
106655	Worcester College of Technology	
106658	Hertford Regional College	
106659	Hertfordshire Fire & Rescue Service	
106660	Jigsaw Group	
106661	Finning UK Ltd	
106662		
100002	Stevenage Youth Training Scheme (t/a	
106664	Ridgemond Training)	

106666	Sound Base Studios Trust
106667	Sunnyside Training Ltd
10000	University of Hertfordshire (Meridian
106670	Alcrest (Northern) td
106675	BL Training Ltd T/A Business Insight Ltd
106677	Doff og VO Trust I td
100077	Yorkshire Coast College of Further and
106679	Higher Education
106683	Goole College
106685	Chamber Training (Humber) Ltd
106687	Hull Business Training Centre
106689	Hull College
106692	Association
100000	Humberside Engineering Training
106693	Association Ltd (Heta)
106695	HYA Training Ltd
106702	Mcarthur Dean Training Ltd
106703	
106704	North Humberside Motor Trades GTA
106706	North Lindsey College
106707	Novartis Grimsby Ltd
106708	Positive Approach Academy for Hair
106710	South Bank Training Ltd
106717	Canterbury College
106721	Graham Webb International
106722	Barbon Limited
106723	IPS International
106726	Kent Industrial Training Association (KITA)
106727	Keith Graham Academy
106729	Kent Qualified
106732	Master Cutters
106733	Mid-Kent College
106734	North West Kent College of Technology
106736	Antoniou Hair Fashions Ltd
106739	Training Trust (REVETT)
106741	South Kent College
106743	Thanet College
106749	Blackburn College
106751	Burnley College
106753	Nelson and Colne College
106758	Pendle Training
106760	TEST Ltd
106761	Training 2000 Ltd
106762	Accrington and Rossendale College
106763	Brooksby Melton College
106769	Leicestershire County Council
106770	Leicestershire Engineering Training Group Ltd
106773	Slack & Parr
106775	South Leicestershire College
106778	Bosco Centre
106780	Camden ITEC Ltd
106784	Circa I td
100104	

106707	Southwork College
106797	Southwark College
100003	North London Garage Group Training
106805	Association
106809	College
106811	Notting Dale Technology Centre (The)
106815	Bolton Community College
106826	GDN Childcare Training Ltd
106831	Arena Housing Association Ltd
106834	Hopwood Hall College
106835	Thermal Insulation Contractors association
106838	Kashmir Youth Project
106851	Rochdale Borough Chamber Direct
106854	Rochdale Training Association Limited
106862	Stegta Ltd
106863	Stockport College of Further and Higher Education
106864	Stockport Engineering Training Association
106867	Cheadle and Marple Sixth Form College
106868	Tameside College
106879	Alder Training Ltd
106881	Asset Training & Consultancy Limited
106890	Oakmere House
106896	Halton College
106898	Herbert of Liverpool (Training) Ltd
106900	Hugh Baird College
106901	Huyton Churches Training Services
106907	Joint Learning Partnership Ltd
106909	Knowsley Community College
106912	The Laird Foundation
106915	Liverpool Community College
106924	Myerscough College
106925	NVQ Consultants Ltd
106927	National Tyre Service Ltd
106929	Rocket Training Ltd
106930	Scottish Power UK PLC
106932	Priority Management Ltd
106937	St Helens Chamber Ltd
106939	Sysco Training LLP
106940	Tamcos Ltd
106942	Trident Training Ltd
106943	BR & NPM Gourley
106945	Broadland Council Training Services
106947	Norwich City College of Further and Higher Education
106948	EAGIT (Engineering) Ltd
106949	Easton College
106950	Great Yarmouth College of Further Education
106952	Norfolk Training Services Ltd
106953	Poultec Ltd
106955	Instant Muscle Ltd
106956	Waltham Forest Chamber of Commerce Training Trust
106958	Aston Recruitment and Training Limited

106961	Daventry District Council
106963	Kettering Borough Council
106966	Moulton College F.E.C
106968	Northamptonshire Industrial Training Association Limited
106970	Northampton College
106972	Tresham Institute
106974	Millbrook Management Services
106975	Bassetlaw Training Agency
106977	Broxtowe College, Nottingham
106985	New College, Nottingham
106987	Newark and Sherwood College
106989	Headjogs
106992	In Touch Care Ltd
106996	Sheffield College
106999	John Clive Training
107004	Ministry of Defence (ABRO)
107007	Sentinel Training Ltd
107008	Shrewsbury College of Arts and Technology
107000	Shropshire and Telford & Wrekin
107009	Connexions Partnership Ltd
107010	Telford College of Arts and Technology
107012	Barber Bird
107013	Barnsley College
107014	Barnsley District General Hospital NHS
107016	Independent Training Service Ltd
107017	Dearne Valley College
107019	Doncaster College
107019	Doncaster College Doncaster Metropolitan Borough Council
107019 107022 107023	Doncaster College Doncaster Metropolitan Borough Council Doncaster Rotherham & District Motor Trades Group Training Association Ltd
107019 107022 107023 107027	Doncaster College Doncaster Metropolitan Borough Council Doncaster Rotherham & District Motor Trades Group Training Association Ltd Leslie Frances
107019 107022 107023 107027 107028	Doncaster College Doncaster Metropolitan Borough Council Doncaster Rotherham & District Motor Trades Group Training Association Ltd Leslie Frances Morthyng Ltd
107019 107022 107023 107027 107028 107029	Doncaster College Doncaster Metropolitan Borough Council Doncaster Rotherham & District Motor Trades Group Training Association Ltd Leslie Frances Morthyng Ltd Oracle Training Consultants Ltd
107019 107022 107023 107027 107028 107029 107032	Doncaster College Doncaster Metropolitan Borough Council Doncaster Rotherham & District Motor Trades Group Training Association Ltd Leslie Frances Morthyng Ltd Oracle Training Consultants Ltd 5Cs Training
107019 107022 107023 107027 107028 107029 107032 107033	Doncaster College Doncaster Metropolitan Borough Council Doncaster Rotherham & District Motor Trades Group Training Association Ltd Leslie Frances Morthyng Ltd Oracle Training Consultants Ltd 5Cs Training Axia Solutions Ltd
107019 107022 107023 107027 107028 107029 107032 107033 107035	Doncaster College Doncaster Metropolitan Borough Council Doncaster Rotherham & District Motor Trades Group Training Association Ltd Leslie Frances Morthyng Ltd Oracle Training Consultants Ltd 5Cs Training Axia Solutions Ltd Cannock Chase Technical College
107019 107022 107023 107027 107028 107029 107032 107033 107035	Doncaster College Doncaster Metropolitan Borough Council Doncaster Rotherham & District Motor Trades Group Training Association Ltd Leslie Frances Morthyng Ltd Oracle Training Consultants Ltd 5Cs Training Axia Solutions Ltd Cannock Chase Technical College City of Stoke On Trent Recreational Soprime
107019 107022 107023 107027 107028 107029 107032 107033 107035 107037	Doncaster College Doncaster Metropolitan Borough Council Doncaster Rotherham & District Motor Trades Group Training Association Ltd Leslie Frances Morthyng Ltd Oracle Training Consultants Ltd 5Cs Training Axia Solutions Ltd Cannock Chase Technical College City of Stoke On Trent Recreational Services North Staffordshire Combined Healthcare
107019 107022 107023 107027 107028 107029 107032 107033 107035 107037 107038	Doncaster College Doncaster Metropolitan Borough Council Doncaster Rotherham & District Motor Trades Group Training Association Ltd Leslie Frances Morthyng Ltd Oracle Training Consultants Ltd 5Cs Training Axia Solutions Ltd Cannock Chase Technical College City of Stoke On Trent Recreational Services North Staffordshire Combined Healthcare NHS Trust
107019 107022 107023 107027 107028 107029 107032 107033 107035 107037 107038 107042	Doncaster College Doncaster Metropolitan Borough Council Doncaster Rotherham & District Motor Trades Group Training Association Ltd Leslie Frances Morthyng Ltd Oracle Training Consultants Ltd 5Cs Training Axia Solutions Ltd Cannock Chase Technical College City of Stoke On Trent Recreational Services North Staffordshire Combined Healthcare NHS Trust Moorlands Training Services
107019 107022 107023 107027 107028 107029 107032 107033 107035 107037 107037 107038 107042 107042	Doncaster College Doncaster Metropolitan Borough Council Doncaster Rotherham & District Motor Trades Group Training Association Ltd Leslie Frances Morthyng Ltd Oracle Training Consultants Ltd 5Cs Training Axia Solutions Ltd Cannock Chase Technical College City of Stoke On Trent Recreational Services North Staffordshire Combined Healthcare NHS Trust Moorlands Training Services Project Management (Staffordshire) Ltd
107019 107022 107023 107027 107028 107029 107032 107033 107035 107035 107037 107038 107043 107043 107044	Doncaster College Doncaster Metropolitan Borough Council Doncaster Rotherham & District Motor Trades Group Training Association Ltd Leslie Frances Morthyng Ltd Oracle Training Consultants Ltd 5Cs Training Axia Solutions Ltd Cannock Chase Technical College City of Stoke On Trent Recreational Services North Staffordshire Combined Healthcare NHS Trust Moorlands Training Services Project Management (Staffordshire) Ltd
107019 107022 107023 107027 107028 107029 107032 107033 107035 107037 107038 107042 107043 107044 107045	Doncaster College Doncaster Metropolitan Borough Council Doncaster Rotherham & District Motor Trades Group Training Association Ltd Leslie Frances Morthyng Ltd Oracle Training Consultants Ltd 5Cs Training Axia Solutions Ltd Cannock Chase Technical College City of Stoke On Trent Recreational Services North Staffordshire Combined Healthcare NHS Trust Moorlands Training Services Project Management (Staffordshire) Ltd Stoke-on-Trent College Rock House Training Ltd
107019 107022 107023 107027 107028 107029 107032 107033 107035 107037 107037 107038 107042 107043 107044 107045 107046	Doncaster College Doncaster Metropolitan Borough Council Doncaster Rotherham & District Motor Trades Group Training Association Ltd Leslie Frances Morthyng Ltd Oracle Training Consultants Ltd 5Cs Training Axia Solutions Ltd Cannock Chase Technical College City of Stoke On Trent Recreational Services North Staffordshire Combined Healthcare NHS Trust Moorlands Training Services Project Management (Staffordshire) Ltd Stoke-on-Trent College Rock House Training Ltd The Training Partnership
107019 107022 107023 107027 107028 107029 107032 107033 107035 107035 107037 107038 107043 107043 107044 107045 107046 107049	Doncaster College Doncaster Metropolitan Borough Council Doncaster Rotherham & District Motor Trades Group Training Association Ltd Leslie Frances Morthyng Ltd Oracle Training Consultants Ltd 5Cs Training Axia Solutions Ltd Cannock Chase Technical College City of Stoke On Trent Recreational Services North Staffordshire Combined Healthcare NHS Trust Moorlands Training Services Project Management (Staffordshire) Ltd Stoke-on-Trent College Rock House Training Ltd The Training Partnership Apprentice School Charitable Trust
107019 107022 107023 107027 107028 107029 107032 107033 107035 107035 107037 107038 107043 107043 107044 107044 107049 107050	Doncaster College Doncaster Metropolitan Borough Council Doncaster Rotherham & District Motor Trades Group Training Association Ltd Leslie Frances Morthyng Ltd Oracle Training Consultants Ltd 5Cs Training Axia Solutions Ltd Cannock Chase Technical College City of Stoke On Trent Recreational Services North Staffordshire Combined Healthcare NHS Trust Moorlands Training Services Project Management (Staffordshire) Ltd Stoke-on-Trent College Rock House Training Ltd The Training Partnership Apprentice School Charitable Trust
107019 107022 107023 107027 107028 107029 107032 107033 107035 107035 107037 107038 107043 107043 107044 107044 107045 107049 107050 107052	Doncaster College Doncaster Metropolitan Borough Council Doncaster Rotherham & District Motor Trades Group Training Association Ltd Leslie Frances Morthyng Ltd Oracle Training Consultants Ltd 5Cs Training Axia Solutions Ltd Cannock Chase Technical College City of Stoke On Trent Recreational Services North Staffordshire Combined Healthcare NHS Trust Moorlands Training Services Project Management (Staffordshire) Ltd Stoke-on-Trent College Rock House Training Ltd The Training Partnership Apprentice School Charitable Trust Ensors East of England Co-operative Society Limited
107019 107022 107023 107027 107028 107029 107032 107033 107035 107035 107037 107038 107042 107043 107044 107044 107045 107049 107050 107052 107054	Doncaster College Doncaster Metropolitan Borough Council Doncaster Rotherham & District Motor Trades Group Training Association Ltd Leslie Frances Morthyng Ltd Oracle Training Consultants Ltd 5Cs Training Axia Solutions Ltd Cannock Chase Technical College City of Stoke On Trent Recreational Services North Staffordshire Combined Healthcare NHS Trust Moorlands Training Services Project Management (Staffordshire) Ltd Stoke-on-Trent College Rock House Training Ltd The Training Partnership Apprentice School Charitable Trust Ensors East of England Co-operative Society Limited John Michael Hair Design Group Ltd
107019 107022 107023 107027 107028 107029 107032 107032 107035 107035 107035 107037 107038 107042 107043 107044 107044 107045 107046 107049 107050 107052 107054 107056	Doncaster College Doncaster Metropolitan Borough Council Doncaster Rotherham & District Motor Trades Group Training Association Ltd Leslie Frances Morthyng Ltd Oracle Training Consultants Ltd 5Cs Training Axia Solutions Ltd Cannock Chase Technical College City of Stoke On Trent Recreational Services North Staffordshire Combined Healthcare NHS Trust Moorlands Training Services Project Management (Staffordshire) Ltd Stoke-on-Trent College Rock House Training Ltd The Training Partnership Apprentice School Charitable Trust Ensors East of England Co-operative Society Limited John Michael Hair Design Group Ltd Meat East Anglia Trades (Ipswich) Ltd
107019 107022 107023 107027 107028 107029 107032 107033 107035 107035 107037 107038 107042 107043 107044 107044 107044 107045 107046 107046 107050 107052 107054 107056 107057	Doncaster College Doncaster Metropolitan Borough Council Doncaster Rotherham & District Motor Trades Group Training Association Ltd Leslie Frances Morthyng Ltd Oracle Training Consultants Ltd 5Cs Training Axia Solutions Ltd Cannock Chase Technical College City of Stoke On Trent Recreational Services North Staffordshire Combined Healthcare NHS Trust Moorlands Training Services Project Management (Staffordshire) Ltd Stoke-on-Trent College Rock House Training Ltd The Training Partnership Apprentice School Charitable Trust Ensors East of England Co-operative Society Limited John Michael Hair Design Group Ltd Meat East Anglia Trades (Ipswich) Ltd The Hairdressing Training School
107019 107022 107023 107027 107028 107029 107032 107033 107035 107035 107037 107038 107043 107043 107044 107043 107044 107045 107045 107049 107050 107052 107054 107056 107057 107058	Doncaster College Doncaster Metropolitan Borough Council Doncaster Rotherham & District Motor Trades Group Training Association Ltd Leslie Frances Morthyng Ltd Oracle Training Consultants Ltd 5Cs Training Axia Solutions Ltd Cannock Chase Technical College City of Stoke On Trent Recreational Services North Staffordshire Combined Healthcare NHS Trust Moorlands Training Services Project Management (Staffordshire) Ltd Stoke-on-Trent College Rock House Training Ltd The Training Partnership Apprentice School Charitable Trust Ensors East of England Co-operative Society Limited John Michael Hair Design Group Ltd Meat East Anglia Trades (Ipswich) Ltd The Hairdressing Training School RTT Training Services Ltd
107019 107022 107023 107027 107028 107029 107032 107032 107033 107035 107035 107037 107038 107042 107042 107043 107044 107045 107045 107046 107049 107050 107052 107054 107055 107058 107059	Doncaster College Doncaster Metropolitan Borough Council Doncaster Rotherham & District Motor Trades Group Training Association Ltd Leslie Frances Morthyng Ltd Oracle Training Consultants Ltd 5Cs Training Axia Solutions Ltd Cannock Chase Technical College City of Stoke On Trent Recreational Services North Staffordshire Combined Healthcare NHS Trust Moorlands Training Services Project Management (Staffordshire) Ltd Stoke-on-Trent College Rock House Training Ltd The Training Partnership Apprentice School Charitable Trust Ensors East of England Co-operative Society Limited John Michael Hair Design Group Ltd Meat East Anglia Trades (Ipswich) Ltd The Hairdressing Training School RTT Training Services Ltd Suffolk College

I	l
107062	Archon 2000
107063	Bells Training Services
107066	Darlington Borough Council
107069	Hartlepool College of Further Education
107072	Middlesbrough Council
107073	Middlesbrough College
107074	NETA Training Trust
107075	North Tees & Hartlepool NHS Trust
107078	Redcar & Cleveland Borough Council
107079	Redcar and Cleveland College Spirecross Limited trading as Saks and
107080	Midaswell Training
107081	Cleveland Youth Association
107082	South Tees Hospitals NHS Trust
107083	Stockton Riverside College
107084	Stockton on Tees Borough Council
107086	TTE Management and Technical Training
107088	Access Training Limited
107093	B-Skill Ltd
107096	City of Sunderland College
107099	Dental Hospital
107101	ETEC (Sunderland) Limited
107108	Mobile Care Qualifications Limited
107111	Newcastle College
107115	Northern & Yorkshire NHS Assessment Centre
107119	Pennywell Community Business Ltd
107121	South Tyneside College
107123	Sunderland Engineering Training Association Ltd
107126	Gateshead Church Enterprises Ltd
107130	Tyneside Training Services Limited
107136	Icon Vocational Training
107141	Way to Work
107143	West Thames College
107145	Airedale NHS Trust
107147	Bradford Distributive Training Services
107148	Bradford Training Association (UK) Ltd
107149	CMS Vocational Training Ltd.
107151	Christopher Paul Training
107154	Dewsbury College
107157	Huddersfield Technical College
107158	Keighley & District Training Association Ltd (Kadtal)
107159	Keighley College
107161	Kirklees Youth Training
107163	Leeds Training Trust
107164	National Business College
	Hallonial Buolineee eellege
107166	Philips Hair Salons
107166 107170	Philips Hair Salons Shipley College
107166 107170 107173	Philips Hair Salons Shipley College Nord Anglia Training
107166 107170 107173 107178	Philips Hair Salons Shipley College Nord Anglia Training New College, Swindon
107166 107170 107173 107178 107181	Philips Hair Salons Shipley College Nord Anglia Training New College, Swindon Taurus Employment Development Ltd
107166 107170 107173 107178 107181 107181	Philips Hair Salons Shipley College Nord Anglia Training New College, Swindon Taurus Employment Development Ltd Wessex Training & Assessment Centre Ltd

107448	Frontlinestyle
107451	Honeywell Aerospace Yeovil
107452	JD & TL Whittaker
107462	Lowestoft College
107471	Kent Equine Industry Training Services Ltd
107473	West Anglia Training Association Ltd
107475	Springboard Islington Trust
107479	College of North East London
107480	London Borough of Haringey
107481	The Harington Scheme Ltd
107486	Southgate College
107495	Northumberland College
107496	Northumberland Training Agency
107513	Chichester College
107514	Crawley College
107515	Crowns Worthing Ltd
107518	Employee Development Forum Ltd
107519	Greater Brighton Construction Training Ltd
107520	Hastings College of Arts and Technology
107521	Hastings Borough Council Tressell - Training
107525	Plumpton College
107529	Sigta td
107531	Bridgwater College
107532	Cannington College
107537	Richard Huish College
107538	Somerset College of Arts and Technology
107539	Somerset County Training
107542	Strode College
107545	Wessex Vocational Training Ltd (Yeovil)
107546	Yeovil College
107550	CareSkills
107552	Craven College
107553	Derwent Training Association
107555	The Academy Malton Ltd
107556	Leeds Metropolitan University
107557	Harrogate Training Services
107560	Intuitions School of Hairdressing & Beauty
107562	RWE Npower
107566	Northallerton College
107575	York College
107576	City of York Council
107582	Leeds College of Building
107589	Introtrain
107590	ISIS Training Services Ltd
107592	Nortec Training Ltd
107600	West Oxfordshire Training Services
107602	Kidsunlimited Limited
107605	Talk Training Ltd
107606	BEL Training
107610	E. Quality Training Ltd
107612	Lichfield District Council
107613	Martec Training

107615	Omnia Training Ltd
107624	Getahead Training
107625	Hyder Business Services Ltd trading as Options
107632	Grimsby Institute of Further & Higher Education
107633	ISIS Training & Recruitment Ltd
107634	Boston and South Holland Information Technology Centre
107635	Lincoln College Business Development Centre
107639	Siemens Industrial Turbomachinery Ltd
107640	Skegness College of Vocational Training Ltd
107641	Boston College
107644	Lincoln City Council
107656	TNG Options
107657	2C Limited
107658	Birmingham Electrical Training
107662	MG Rover
107672	Total People Ltd
107677	Arthur Rank Training Unit
107678	Automotive Transport Training Limited
107679	Nuneaton Training Centre
107689	BETA Ltd
407000	Basingstoke Youth Action Trust Ltd
107690	
107696	
107700	Herefordshire Group Training Association
107701	Ltd
107703	Keith St Peter Academy
107708	Hadlow College
107723	EDF Energy PLC
107729	Training Direct (London - Hanbury Street)
107733	Heathercroft Services
107736	Mardell Associates Ltd
107745	East Berkshire College
107765	N & B Training Company
107770	Uxbridge College
107776	Oldham Engineering Group Training Association Limited
107779	SBC Training & Consultancy
107782	TLC Associates
107784	The Vocational College Ltd
107785	Wigan and Leigh College
107787	Care Training Services Ltd (Liverpool)
107789	Interactive Training Management Limited
107796	Local Solutions
107801	Mode Training Ltd
107804	North West Community Services (Training) Ltd
107808	Sefton Enterprises Ltd
107815	Security Industry Training Organisation
107825	DIDAC Limited
107828	ESA Business Development
107830	HB Training Limited (Sheffield)

107836	ITS Training Services
107838	John Oliver Academy
107850	Youngsave Company Ltd
107851	Training for Tomorrow Limited
107856	Team Wearside Ltd
107857	TDR Training Limited
107867	S&S Training Services
107870	Taylor's Training Ltd.
107873	Yorkshire College of Beauty Therapy
107878	Enfield College
107899	City Centre Training (Northern) Ltd
107902	Associated Neighbour Training
107906	Brooklands College
107000	Guildford College of Further and Higher
107909	
107911	Inter Training Services
107912	
107940	First Pung Ltd
107942	Filst Rung Lid
107944	London Borough of Barnet
107945	Charavead Training Consultants
107947	Charnwood Training Consultants
107949	North Nottingnamsnire College
107952	Notts County Council Training Partnership
107957	Strategic I raining Solutions
107960	West Nottingnamsnire College
107970	
107980	London Borough of Tower Hamiets
107988	Stockport Metropolitan Borough Council South Typeside Metropolitan Borough
107989	Council
108006	Rochdale Metropolitan Borough Council
108027	Oldham Metropolitan Borough Council
108038	Norfolk County Council
108039	Newcastle upon Tyne City Council
108046	Manchester City Council
108092	Dorset County Council
108103	Northumberland County Council
108196	University of Durham
108248	University of Central England in Birmingham
108309	Pershore Group of Colleges
108312	Tamworth and Lichfield College
108313	Paston College
108318	Capel Manor College
108325	
108330	Richmond Adult and Community College
108331	Thames Valley University
108341	People's College Nottingham
108345	Macclesfield College
108406	Pendleton College
108407	Newham Sixth Form College
100407	Brighton, Hove and Sussex Sixth Form
108432	College

108435	Bexhill College
108440	Wakefield College
108441	Truro College
108442	City College, Manchester
108449	Richmond upon Thames College
108451	Penwith College
108452	Walford and North Shropshire College
108457	Halesowen College
108458	Gateshead College
108460	Exeter College
108462	Stanmore College
108464	Derwentside College
108465	Cricklade College
108468	Brockenhurst College
108474	Wirral Metropolitan College
108477	West Herts College
108478	Waltham Forest College
108483	South Thames College
108484	South Trafford College
108485	South Nottingham College
108487	South Devon College
108493	Rotherham College of Arts and Technology
108495	Redbridge College
108497	Orpington College of Further Education
108498	Oaklands College
108499	Plymouth College of Further Education
108500	Park Lane College
108501	Northbrook College, Sussex
108503	North Trafford College of Further Education
108505	North East Surrey College of Technology
108507	Newham College of Further Education
108510	Merton College
108512	Mid-Cheshire College of Further Education
108514	Kingston College
108517	Isle of Wight College
108518	City and Islington College
108521	Education
108523	Hackney Community College
108524	Eastleigh College
108526	City of Westminster College
108527	Cambridge Regional College
108529	Blackpool and The Fylde College
108530	Bishop Auckland College
108532	Barnet College
108542	JAC Training & Development Consultancy Ltd
108543	IWIGTS
108544	Community Solutions
108548	The Care Learning Centre (IOW) Ltd
108550	Smart Training & Recruitment Ltd
108552	
100002	Hospitality Training Partnership

108578 Hawk Management (UK) Ltd 108590 MORE Training Ltd 108603 Skills Training UK Ltd 108615 Beneast Vocational Training Centre 108616 Springfields Fuels Limited 108623 Preston College 108625 Runshaw College 108629 BAE Systems PLC 108633 GR & MM Blackledge 108637 Preston City Council 108638 Milton Keynes Christian Foundation 108652 Milton Keynes College Developing Initiatives For Support In The Developing Initiatives For Support In The 108658 Durham Business Club Limited East Durham & Houghall Community College 108660 Include 108661 New College, Durham 108663 National Grid Plc 108664 New College, Durham 108665 Durham County Council 108672 Auckland Training Organisation Ltd 108673 John G Plummer & Associates 108680 Bexley Training Group 108682 Chartered Surveyors Training Trust Nottingham Engineering Training
108590 MORE Training Ltd 108603 Skills Training UK Ltd 108615 Beneast Vocational Training Centre 108616 Springfields Fuels Limited 108623 Preston College 108629 BAE Systems PLC 108633 GR & MM Blackledge 108634 Preston City Council 108652 Milton Keynes Christian Foundation 108653 Milton Keynes College Developing Initiatives For Support In The 108653 Durham Business Club Limited East Durham & Houghall Community 108658 Durham Business Club Limited East Durham & Houghall Community 108659 College 108660 Include 108661 New College, Durham 108663 National Grid Plc 108664 New College, Durham 108665 Durham County Council 108670 Skill Training Utd 108673 John G Plummer & Associates 108673 John G Plummer & Associates 108680 Bexley Training Group 108681 Netraining Ltd (Huddersfield - Clayton
108603 Skills Training UK Ltd 108615 Beneast Vocational Training Centre 108616 Springfields Fuels Limited 108623 Preston College 108629 BAE Systems PLC 108633 GR & MM Blackledge 108634 Preston City Council 108635 Milton Keynes Christian Foundation 108652 Milton Keynes College Developing Initiatives For Support In The 108653 Durham Business Club Limited East Durham & Houghall Community 108658 Durham Business Club Limited East Durham & Houghall Community 108659 College 108660 Include 108661 New College, Durham 108663 National Grid Plc 108663 National Grid Plc 108664 Durham County Council 108672 Auckland Training Organisation Ltd 108673 John G Plummer & Associates 108680 Bexley Training Group 108682 Chartered Surveyors Training Trust Nottingham Engineering Training Na8693 108693 Association <t< td=""></t<>
108615 Beneast Vocational Training Centre 108616 Springfields Fuels Limited 108623 Preston College 108625 Runshaw College 108629 BAE Systems PLC 108633 GR & MM Blackledge 108637 Preston City Council 108637 Preston City Council 108652 Milton Keynes Christian Foundation 108653 Milton Keynes College Developing Initiatives For Support In The 108653 Durham Business Club Limited East Durham & Houghall Community College 108660 108661 New College, Durham 108663 National Grid Plc 108664 Durham County Council 108675 John G Plummer & Associates 108670 Skill Training Organisation Ltd 108673 John G Plummer & Associates 108680 Bexley Training Group 108682 Chartered Surveyors Training Trust Nottingham Engineering Training No8693 108693 Association 108694 NHTA Ltd 08710 Management
108616Springfields Fuels Limited108623Preston College108629BAE Systems PLC108633GR & MM Blackledge108637Preston City Council108637Preston City Council108652Milton Keynes Christian Foundation108653Milton Keynes CollegeDeveloping Initiatives For Support In The108655Durham Business Club LimitedEast Durham & Houghall Community108660Include108663National Grid Plc108664New College, Durham108665Skill Training Ltd108670Skill Training Organisation Ltd108673John G Plummer & Associates108680Bexley Training Group108682Chartered Surveyors Training TrustNottingham Engineering Training108693Association108694NHTA Ltd108711Impact Housing Association Ltd108715Upper Cut Hair Salons Ltd108716LAGAT Limited108717Four Counties Training Trest108718LAGAT Limited108717Four Counties Training Ltd108720Centre Ltd108745Connexions Derbyshire108753Training West Lancashire Ltd108777Four Counties Training Limited108770Head to Head Training
108623Preston College108625Runshaw College108629BAE Systems PLC108633GR & MM Blackledge108637Preston City Council108652Milton Keynes Christian Foundation108653Milton Keynes CollegeDeveloping Initiatives For Support In The108658Durham Business Club LimitedEast Durham Business Club Limited108660Include108661New College, Durham108663National Grid Plc108664New College, Durham108657Auckland Training Organisation Ltd108670Skill Training Ltd108671John G Plummer & Associates108680Bexley Training Group108681Netreed Surveyors Training TrustNottingham Engineering Training108693Association108694NHTA LtdA&R Training Ltd (Huddersfield - Clayton West)European College of Business & 108710Management108711Impact Housing Association Ltd108715Upper Cut Hair Salons Ltd108716LAGAT Limited108720Centre Ltd108745Connexions Derbyshire108753Training West Lancashire Ltd108767Harrow College108777Four Counties Training Limited108776Haed to Head Training
108625Runshaw College108629BAE Systems PLC108633GR & MM Blackledge108633GR & MM Blackledge108637Preston City Council108652Milton Keynes Christian Foundation108653Milton Keynes CollegeDeveloping Initiatives For Support In The108654Durham Business Club Limited108655Durham Business Club Limited108658Durham Business Club Limited108659College108660Include108661New College, Durham108663National Grid Plc108664New College, Durham108665Durham County Council108666Durham County Council108670Skill Training Ltd108671John G Plummer & Associates108680Bexley Training Group108682Chartered Surveyors Training Trust108693Association108694NHTA LtdA&R Training Ltd (Huddersfield - Clayton West)European College of Business & 108710Management108711Impact Housing Association Ltd108715Upper Cut Hair Salons Ltd108716LAGAT LimitedEast Lindsey Information Technology Centre Ltd108753Training West Lancashire Ltd108767Harrow College108777Four Counties Training Limited108778Head to Head Training
108629 BAE Systems PLC 108633 GR & MM Blackledge 108637 Preston City Council 108652 Milton Keynes Christian Foundation 108653 Milton Keynes College Developing Initiatives For Support In The 108658 Durham Business Club Limited East Durham & Houghall Community 108659 College 108660 Include 108661 New College, Durham 108663 National Grid Plc 108664 Durham County Council 108670 Skill Training Ltd 108672 Auckland Training Organisation Ltd 108673 John G Plummer & Associates 108680 Bexley Training Group 108682 Chartered Surveyors Training Trust Nottingham Engineering Training A&R Training Ltd (Huddersfield - Clayton 108693 Association 108694 NHTA Ltd A&R Training Ltd (Huddersfield - Clayton West) European College of Business & 108711 Impact Housing Association Ltd 108718 LAGAT Limited 108718 LAGAT Limited <
108633 GR & MM Blackledge 108637 Preston City Council 108652 Milton Keynes Christian Foundation 108653 Milton Keynes College Developing Initiatives For Support In The 108657 Community (disc) 108658 Durham Business Club Limited East Durham & Houghall Community 108659 College 108660 Include 108661 New College, Durham 108663 National Grid Plc 108668 Durham County Council 108670 Skill Training Ltd 108672 Auckland Training Organisation Ltd 108673 John G Plummer & Associates 108680 Bexley Training Group 108682 Chartered Surveyors Training Trust Nottingham Engineering Training A&R Training Ltd (Huddersfield - Clayton 108693 Association 108694 NHTA Ltd A&R Training Ltd (Huddersfield - Clayton 108711 Impact Housing Association Ltd 108712 Upper Cut Hair Salons Ltd 108713 LAGAT Limited East Lindsey Information Technology <t< td=""></t<>
108637 Preston City Council 108652 Milton Keynes Christian Foundation 108653 Milton Keynes College Developing Initiatives For Support In The 108657 Community (disc) 108658 Durham Business Club Limited East Durham & Houghall Community 108659 College 108660 Include 108661 New College, Durham 108663 National Grid Plc 108664 Durham County Council 108670 Skill Training Ltd 108671 John G Plummer & Associates 108682 Chartered Surveyors Training Trust Nottingham Engineering Training Nottingham Engineering Training 108693 Association 108694 NHTA Ltd A&R Training Ltd (Huddersfield - Clayton 108712 Upper Cut Hair Salons Ltd 108713 Upper Cut Hair Salons Ltd 108714 Impact Housing Association Ltd 108715 Upper Cut Hair Salons Ltd 108718 LAGAT Limited East Lindsey Information Technology Centre Ltd 108753 Training West Lancas
108652 Milton Keynes Christian Foundation 108653 Milton Keynes College Developing Initiatives For Support In The 108657 Community (disc) 108658 Durham Business Club Limited East Durham & Houghall Community 108659 College 108660 Include 108661 New College, Durham 108663 National Grid Plc 108668 Durham County Council 108670 Skill Training Ltd 108672 Auckland Training Organisation Ltd 108673 John G Plummer & Associates 108680 Bexley Training Group 108682 Chartered Surveyors Training Trust Nottingham Engineering Training Association 108693 Association 108694 NHTA Ltd A&R Training Ltd (Huddersfield - Clayton 108702 West) European College of Business & 108711 Impact Housing Association Ltd 108713 Upper Cut Hair Salons Ltd 108714 LAGAT Limited East Lindsey Information Technology Centre Ltd 108745<
108653Milton Keynes College Developing Initiatives For Support In The Community (disc)108657Community (disc)108658Durham Business Club Limited East Durham & Houghall Community College108660Include108661New College, Durham108663National Grid Plc108668Durham County Council108670Skill Training Ltd108672Auckland Training Organisation Ltd108673John G Plummer & Associates108680Bexley Training Group108682Chartered Surveyors Training Trust Nottingham Engineering Training Association108694NHTA Ltd108702West)European College of Business & Management108711Impact Housing Association Ltd108715Upper Cut Hair Salons Ltd108715Upper Cut Hair Salons Ltd108745Connexions Derbyshire108753Training West Lancashire Ltd108767Harrow College108777Four Counties Training Limited108780Head to Head Training
Developing Initiatives For Support In The Community (disc)108657Community (disc)108658Durham Business Club LimitedEast Durham & Houghall Community College108660Include108661New College, Durham108663National Grid Plc108668Durham County Council108670Skill Training Ltd108673John G Plummer & Associates108680Bexley Training Group108682Chartered Surveyors Training Trust108693Association108694NHTA LtdA&R Training Ltd (Huddersfield - Clayton West)108710West)European College of Business & Management108711Impact Housing Association Ltd108715Upper Cut Hair Salons Ltd108716LAGAT Limited108745Connexions Derbyshire108753Training West Lancashire Ltd108767Harrow College108777Four Counties Training Limited108780Head to Head Training
108658Durham Business Club LimitedEast Durham & Houghall Community108659College108660Include108661New College, Durham108663National Grid Plc108668Durham County Council108670Skill Training Ltd108672Auckland Training Organisation Ltd108673John G Plummer & Associates108680Bexley Training Group108682Chartered Surveyors Training TrustNottingham Engineering Training108693Association108694NHTA LtdA&R Training Ltd (Huddersfield - Clayton West)European College of Business & Management108711Impact Housing Association Ltd108715Upper Cut Hair Salons Ltd108718LAGAT Limited108720Centre Ltd108745Connexions Derbyshire108753Training West Lancashire Ltd108767Harrow College108777Four Counties Training Limited108780Head to Head Training
East Durham & Houghall Community College108659Include108660Include108661New College, Durham108663National Grid Plc108668Durham County Council108670Skill Training Ltd108672Auckland Training Organisation Ltd108673John G Plummer & Associates108680Bexley Training Group108682Chartered Surveyors Training TrustNottingham Engineering Training108693Association108694NHTA Ltd108702West)European College of Business & Management108711Impact Housing Association Ltd108715Upper Cut Hair Salons Ltd108718LAGAT Limited108745Connexions Derbyshire108753Training West Lancashire Ltd108767Harrow College108777Four Counties Training Limited108780Head to Head Training
108660Include108661New College, Durham108663National Grid Plc108668Durham County Council108670Skill Training Ltd108672Auckland Training Organisation Ltd108673John G Plummer & Associates108680Bexley Training Group108682Chartered Surveyors Training TrustNottingham Engineering Training108693Association108694NHTA LtdA&R Training Ltd (Huddersfield - Clayton108702West)European College of Business &108711Impact Housing Association Ltd108715Upper Cut Hair Salons Ltd108718LAGAT Limited108720Centre Ltd108745Connexions Derbyshire108753Training West Lancashire Ltd108767Harrow College108777Four Counties Training Limited108780Head to Head Training
108661New College, Durham108663National Grid Plc108668Durham County Council108670Skill Training Ltd108672Auckland Training Organisation Ltd108673John G Plummer & Associates108680Bexley Training Group108682Chartered Surveyors Training TrustNottingham Engineering Training108693Association108694NHTA Ltd108702West)European College of Business & Management108711Impact Housing Association Ltd108715Upper Cut Hair Salons Ltd108718LAGAT Limited108745Connexions Derbyshire108767Harrow College108777Four Counties Training Limited108777Four Counties Training Limited108780Head to Head Training
108663National Grid Plc108668Durham County Council108670Skill Training Ltd108672Auckland Training Organisation Ltd108673John G Plummer & Associates108680Bexley Training Group108682Chartered Surveyors Training TrustNottingham Engineering Training108693Association108694NHTA LtdA&R Training Ltd (Huddersfield - Clayton108702West)European College of Business &108711Impact Housing Association Ltd108715Upper Cut Hair Salons Ltd108718LAGAT Limited108720Centre Ltd108753Training West Lancashire Ltd108767Harrow College108777Four Counties Training Limited108780Head to Head Training
108668Durham County Council108670Skill Training Ltd108672Auckland Training Organisation Ltd108673John G Plummer & Associates108680Bexley Training Group108682Chartered Surveyors Training TrustNottingham Engineering Training108693Association108694NHTA LtdA&R Training Ltd (Huddersfield - Clayton108702West)European College of Business &108710Management108711Impact Housing Association Ltd108715Upper Cut Hair Salons Ltd108718LAGAT LimitedEast Lindsey Information Technology Centre Ltd108753Training West Lancashire Ltd108767Harrow College108777Four Counties Training Limited108780Head to Head Training
108670Skill Training Ltd108672Auckland Training Organisation Ltd108673John G Plummer & Associates108680Bexley Training Group108682Chartered Surveyors Training TrustNottingham Engineering Training108693Association108694NHTA LtdA&R Training Ltd (Huddersfield - Clayton West)U08710West)European College of Business & Management108711Impact Housing Association Ltd108715Upper Cut Hair Salons Ltd108718LAGAT Limited108720Centre Ltd108745Connexions Derbyshire108767Harrow College108777Four Counties Training Limited108780Head to Head Training
108672Auckland Training Organisation Ltd108673John G Plummer & Associates108680Bexley Training Group108682Chartered Surveyors Training TrustNottingham Engineering Training108693Association108694NHTA LtdA&R Training Ltd (Huddersfield - Clayton108702West)European College of Business &108710Management108711Impact Housing Association Ltd108715Upper Cut Hair Salons Ltd108718LAGAT LimitedEast Lindsey Information Technology108720Centre Ltd108753Training West Lancashire Ltd108767Harrow College108777Four Counties Training Limited108777Head to Head Training
108673John G Plummer & Associates108680Bexley Training Group108682Chartered Surveyors Training TrustNottingham Engineering Training108693Association108694NHTA LtdA&R Training Ltd (Huddersfield - Clayton108702West)European College of Business &108711Impact Housing Association Ltd108715Upper Cut Hair Salons Ltd108716East Lindsey Information Technology108720Centre Ltd108745Connexions Derbyshire108753Training West Lancashire Ltd108767Harrow College108777Four Counties Training Limited108780Head to Head Training
108680Bexley Training Group108682Chartered Surveyors Training Trust Nottingham Engineering Training Association108693Association108694NHTA LtdA&R Training Ltd (Huddersfield - Clayton West)European College of Business & Management108710Mester Management108711Impact Housing Association Ltd108715Upper Cut Hair Salons Ltd108718LAGAT Limited East Lindsey Information Technology Centre Ltd108745Connexions Derbyshire108753Training West Lancashire Ltd108767Harrow College108777Four Counties Training Limited108780Head to Head Training
108682Chartered Surveyors Training TrustNottingham Engineering Training108693Association108694NHTA LtdA&R Training Ltd (Huddersfield - Clayton West)U08702West)European College of Business & Management108711Impact Housing Association Ltd108715Upper Cut Hair Salons Ltd108718LAGAT LimitedEast Lindsey Information Technology Centre Ltd108753Training West Lancashire Ltd108767Harrow College108777Four Counties Training Limited108780Head to Head Training
Nottingham Engineering Training108693Association108694NHTA LtdA&R Training Ltd (Huddersfield - Clayton108702West)European College of Business &108710Management108711Impact Housing Association Ltd108715Upper Cut Hair Salons Ltd108718LAGAT LimitedEast Lindsey Information Technology108720Centre Ltd108745Connexions Derbyshire108753Training West Lancashire Ltd108767Harrow College108777Four Counties Training Limited108780Head to Head Training
108694NHTA LtdA&R Training Ltd (Huddersfield - Clayton West)108702West)European College of Business & Management108710Impact Housing Association Ltd108711Impact Housing Association Ltd108715Upper Cut Hair Salons Ltd108718LAGAT Limited108720Centre Ltd108745Connexions Derbyshire108753Training West Lancashire Ltd108767Harrow College108777Four Counties Training Limited108780Head to Head Training
A&R Training Ltd (Huddersfield - Clayton West)108702West)European College of Business & Management108710Impact Housing Association Ltd108711Impact Housing Association Ltd108715Upper Cut Hair Salons Ltd108718LAGAT Limited East Lindsey Information Technology Centre Ltd108745Connexions Derbyshire108753Training West Lancashire Ltd108767Harrow College108777Four Counties Training Limited108780Head to Head Training
108702 West) European College of Business & 108710 Management 108711 Impact Housing Association Ltd 108715 Upper Cut Hair Salons Ltd 108718 LAGAT Limited 108720 Centre Ltd 108745 Connexions Derbyshire 108753 Training West Lancashire Ltd 108767 Harrow College 108777 Four Counties Training Limited 108780 Head to Head Training
108711 Impact Housing Association Ltd 108711 Impact Housing Association Ltd 108715 Upper Cut Hair Salons Ltd 108718 LAGAT Limited 108718 LAGAT Limited 108700 Centre Ltd 108745 Connexions Derbyshire 108753 Training West Lancashire Ltd 108767 Harrow College 108777 Four Counties Training Limited 108780 Head to Head Training
108715 Upper Cut Hair Salons Ltd 108718 LAGAT Limited 108720 East Lindsey Information Technology 108720 Centre Ltd 108745 Connexions Derbyshire 108753 Training West Lancashire Ltd 108767 Harrow College 108777 Four Counties Training Limited 108780 Head to Head Training
108718 LAGAT Limited East Lindsey Information Technology 108720 Centre Ltd 108745 Connexions Derbyshire 108753 Training West Lancashire Ltd 108767 Harrow College 108777 Four Counties Training Limited 108780 Head to Head Training
East Lindsey Information Technology 108720 Centre Ltd 108745 Connexions Derbyshire 108753 Training West Lancashire Ltd 108767 Harrow College 108777 Four Counties Training Limited 108780 Head to Head Training
108745Connexions Derbyshire108753Training West Lancashire Ltd108767Harrow College108777Four Counties Training Limited108780Head to Head Training
108753Training West Lancashire Ltd108767Harrow College108777Four Counties Training Limited108780Head to Head Training
108767 Harrow College 108777 Four Counties Training Limited 108780 Head to Head Training
108777Four Counties Training Limited108780Head to Head Training
108780 Head to Head Training
108782 College of North West London
108786 Motor Industry Training Ltd
108788 I-SA Assessment & Training Ltd
108825 CANTO Ltd
108832 Chelmer Training Ltd
108835 Community Service Volunteers (Hereford)
108877 Jobwise Training Limited
108918 Royal Borough of Kingston upon Thames
108928 Sandra Robinson Group Ltd
108971 Corporate Vocational Training Limited
108972 Headmasters

108975	R W Rechere Associates Ltd
108976	Training & Recruitment Partnership Ltd
108982	Walsall NHS Hospital Trust
108983	Aylesbury College
109027	Roger Worth Training Ltd
109029	Future-Wize
109037	Leeds City Council
109041	Haircare Limited
109044	Swindon College
109048	Royal Armoured Corps
109050	Qinetiq Ltd
109051	BMW Group Plant Swindon
109052	NLT Training Services Ltd
109070	Scientiam Ltd
109163	Westwind
109194	Tops Day Nursery
109198	Scissors Group
109209	Anderson Stockley Accredited Training
109214	Working Herts Ltd
109219	Manchester Enterprises Limited
109244	Nova Recruitment Services Ltd
109293	Loughborough College
109318	Sutton & District Training
109328	Orange Holdings (UK) Ltd
109348	Academy Education Ltd
109355	RAC Plc
109367	BMW (GB) Limited
109369	Borough Training Services
109374	British Gas Services Limited
109389	Carillion Construction Limited
109420	Davidson Training UK Ltd
109427	Dixons Motors PLC
109434	East Riding Training Services
109439	Kingston Upon Hull City Council
109443	London Borough of Enfield
109453	Fortan
109470	Haddon Business Training Centre
109506	Babcock HCS
109545	Bright Horizons Family Solutions Limited
109559	Lifestyle Franchise Ltd
109591	Salisbury College
109605	South Yorkshire Training Trust
109635	Nord Anglia Nurseries Limited
109637	PSB Training Limited
109666	Trent Park Equestrian Centre
109681	Thames Water Utilities Plc
109702	Straight A Training
109753	SITEC Training College
109755	Skillnet
109781	TBG Learning Ltd
400000	Footballers Further Education & Vocational
109836	
109847	Kivi I raining

109848	Achievement Training Ltd
109849	CLG (Great Britain) Ltd
109850	Hertfordshire Careers Services Ltd
109853	Colt Cars Company Ltd (The)
109870	AC Training
109877	The Blacup Training Group
109880	EB Training
109881	MS Training Ltd
109883	Training Services 2000 Ltd
109884	Evesham and Malvern Hills College
109896	Cambridge ITEC Ltd
109898	Education & Youth Services Ltd
109899	London Borough of Waltham Forest
109905	John Laing Training
109906	Carequest Ltd
109908	Community Training Services Ltd
109912	Wiltshire College
109921	Acorns to Oaks Education Centre
109922	Beacon Employment
109926	Skandia Life
109930	Royal Mail Group Plc
109933	Saks (Education) Limited
109936	Positive Outcomes Ltd
109944	Zenos Ltd
109953	Sports Skill Ltd
109954	Pelcombe Training Ltd
109959	Sandwell and West Birmingham Hospitals NHS Trust
109962	Peter Pyne Training School Ltd
109969	Igen
109971	1st Choice Training
110017	DV8 Training Ltd
110027	EDS Corporation
110029	QUBE Qualification and Development Ltd
110031	New Age Training Ltd
110033	Luton Borough Council
110034	Eclipse Training Ltd
110042	Engineering Construction Industry Training Board
110053	QLS
110056	Equestrian Skills
110058	Sandwell MBC
110064	Builders Merchants Federation Limited
110066	College of Animal Welfare (Godmanchester)
110072	Defence Communication Services Agency
110078	Kwik-Fit (GB) Limited
110079	Lifetime Health & Fitness Limited
110083	Profit From Training Partnership Ltd
110099	Certified Computing Personnel
110100	VT West Sussex Careers Ltd
110102	Sussex Careers Service
110102	
110102	Tyne North Training Ltd

110143	Salford City Council
110164	Northamptonshire County Council
110168	Fern Training & Development Ltd
110171	Children's Links
110172	Lincolnshire County Council
110178	Greenwich Housing Services
110182	E Training
110183	The Reynolds Group Ltd
110185	Springboard Bromley Trust
110192	One Voice Tees Valley
110197	Sheila Giles Associates
110202	Kent County Council
110211	Carshalton College
110213	East Devon College
110214	East Surrey College
110215	Grantham College
110218	Highbury College, Portsmouth
110221	Newbury College
110238	Business Training Enterprise
110239	Nottinghamshire Chamber of Commerce and Industry
110512	Business Training Co Ltd
110554	Furniture Recycling Project
110620	Honda (UK) Limited
110692	Capital Workforce Development
110734	The Oldham College
111221	Accent Group Ltd.
111384	National Association of Master Bakers Ltd
111558	Presmere Consultants Ltd
111634	University of Lincoln
111679	Gateshead Health NHS Trust
111680	S.T.A.R . Consultancy (North East) Limited
111726	City College, Birmingham
111745	ARRIVA plc
111795	PDM Training & Consultancy Ltd
111809	Sussex Downs College
111887	The Wheels Project
111892	Serco Limited
111893	NTS Training Ltd
111904	Fast Lane Training Services
111913	Automobile Association Developments
111915	FirstGroup Plc
111935	Northumbrian Trust Day Nurseries
111938	CAD Centre (UK) Ltd
112030	Commando Training Centre Royal Marines
112160	Adecco UK Limited
112173	Derby College
112265	Academy Training and Education Ltd
112269	Surrey County Council
112309	Warwickshire County Council
112314	Abingdon and Witney College
112346	Lincolnshire Rural Activities Centre
0.0	

112353	CG Partnership (Training Projects) Ltd
112380	East Riding College
112389	City College Coventry
112393	Birmingham Institute of Education Training and Technology (BIETTEC)
112407	Chesterfield (Property) Ltd
112415	Naval Recruitment and Training Agency
112416	Platinum Training & Development
112419	System Group Ltd
112424	Lawtrain
112437	Jewsons Limited
112438	Royal Air Force
112439	Wolseley PLC
112442	Initial Electronic Security Systems LTD
112456	Peterborough City Council
112528	Academy for Training and Development
112537	Work Base Training
112545	Sunderland City Council
112564	Northern Rock Plc
112567	Childcare Training Consultancy
112590	Medivet
112597	BPP Newcastle Ltd
112607	Longhirst Group Ltd
112616	Derbyshire County Council
112617	Derby City Council
112635	Hinckley Equestrian Centre
112647	Karen Bell Trading as Equestrian Development & Training
112654	Matrix Training and Development Ltd
112676	Asian and Oriental Schoo of Catering Ltd
112691	London College of Beauty Therapy
112709	PFL Ltd
112720	Mercia Partnership (UK) Ltd
112733	School
112753	Sheffield City Council
113012	Barchester Healthcare Ltd
114664	Feltham Community College
114985	Mitchell's & Butlers Retail Limited
115010	Tees & North East Yorkshire NHS Trust
115021	Shropshire County Council
115027	Hilton Group PLC
115072	KTS Training (2002) Ltd
115110	Gateway Technology Centre
115119	NHS North Central London Workforce Development Confederation
115124	Future Health and Social Care
115166	Heathrow Airport Limited
115169	Connexions Leicestershire
115197	London Athletic Raiders Soccer Academy
115213	BP Oil UK Limited
115214	Citizen 2000
115373	The Five Lamps Organisation
115401	Vauxhall Neighbourhood Council Ltd

	The Academy - Professional Hairdressing
115444	
115463	Careers Bradford Ltd.
115485	Berkshire Training Providers Network
115500	Empower Training Services Itd
115501	Bristol City Council t/a On-Site Science, Engineering & Manufacturing
115557	Technologies Alliance.
115598	Choices 4 All Ltd.
115608	Acton Training Centre (ATC) Ltd
115618	Keeping It Simple Training Ltd
115623	Norwich Union Insurance Limited
115650	Alan G Simpson & Karen Storr-Simpson
115672	Ken Hone Training Services
115713	The Interactive College
115715	Alfred McAlpine Plc
115721	Securicor Justice Services Limited
115744	Mimosa Healthcare Group Limited
115890	Learning Centre (Skillfast LIK)
115901	Northumbria School of Veterinary Nursing
115942	The BP & Safeway Partnership
115958	
115967	Trackrail UK Limited
115984	Endeavour Training Limited
115986	Bradford And Sons Limited
115991	Servisair (UK) Ltd
116012	Mitsui Babcock Energy Limited
116016	Walsall Housing Group
116022	Hair and Beauty Industry Training Ltd
116063	Future Strategies Consulting Ltd
116065	ASSA T & D Limited
116075	Young Gloucestershire Ltd
116089	Weir Training Ltd
116000	Blubeckers and Edwinns Restaurant Group
116105	Oxford and Cherwell Valley College
116112	PS Pooplo Specialist Ltd
116116	
116148	Mannower (LIK) Limited
116162	Nottingham City Council
116165	Bolton Metropolitan Borough Council
116179	Strategic Training Partnership Ltd
116182	Four Seasons Health Care Limited
116187	Drivers on Demand
116201	Wincanton PLC
116216	Hill Halt Wood
116217	IMS UK Ltd
116233	Acorn Learning Solutions Limited
116238	EXULT Limited
116239	Aspiration Training Limited
	Defence Medical Education And Training
116269	Agency
116290	Limited
116293	Brintons Limited

116305	Premier Custodial Group Limited
116306	Vodafone UK Limited
116379	Metis Training Ltd
116384	Groundwork
116403	Valuation Office Agency
116421	Venture Learning Ltd
116455	Oxfordshire Co-operative Development Agency
116469	ProCo NW Ltd
116470	The Outdoor Trust
116502	Hillingdon Training Ltd.
116504	Stockwell Park High School
116521	Rush Education
116540	Oakleigh Training and Development Ltd
116543	Starting Off (Kettering) Ltd
116549	Abacus Care (Home Care And Nursing Services) Ltd
116556	Wyevale Garden Centres plc
116562	Archway Academy Limited
116565	Beale PLC
116567	Npower Ltd
116568	Sodexho Ltd
116601	Highfield Care PLC
116615	JARVIS TRAINING MANAGEMENT LTD
116616	Meadowhall Centre (1999) Limited
116655	Xtra Skill Centre
116699	Indigo Training Solutions Ltd
116732	Dollond & Aitchinson Ltd
116733	Potential 2000 Ltd
116736	Rising Stars (Health Clubs) Ltd
116749	Department For Work & Pensions
116752	CEMEX UK Operations Ltd
116761	Fitness First Clubs Ltd
116762	Livingwell Health & Leisure Ltd
116763	Peacock Group PLC
116777	Tesco Stores Ltd
116783	Coca-Cola Enterprises Ltd
116803	Intuition PPIMS Limited
116831	Derbyshire Chamber and Business Link
116845	Complete Case Management Heldings Ltd
110003	The Motor Insurance Repair Research
116866	Centre
116867	Olympic Training Services Ltd
116883	Bibby Line Group Ltd
116907	Guardian Care homes (UK) Ltd
116921	Rentokil Initial PLC
116922	Health Authority
116944	Information Horizons
116947	Sheffield Teaching Hospitals NHS Trust
116950	Construction Training Specialists Ltd
116955	Skills Partnership Ltd
116967	TNT Logistics UK Ltd

116968	Business Management Resources (UK) Ltd
116073	Directorate of Educational and Training
110070	
116979	League Football Education
116980	Land Rover
116981	Pace Petroleum Limited
116984	The Football Association Premier League Ltd
117025	ANS Homes Ltd
117036	Learning Centre UK Ltd
117052	Centrica plc
117092	Vinters Engineering plc
117097	Routeone Solutions Ltd
117100	Crackerjack Training Ltd
117186	Connaught PLC
117188	Speciality Care (UK Lease Homes) Ltd
117205	Safe in Tees Valley Ltd
117254	New Horizons (Burton)
117255	ASDA Stores Ltd
117292	JBS Training

117418	Robert Wiseman Dairies PLC
117420	Microcom Training Ltd
117454	Central Sussex College
117456	Care Management Group Ltd
117480	The Chiltern College
117498	Leisure Connection Ltd
117506	Hays plc
117513	E Moss Ltd
117523	Whitbread Plc
117525	Vital Skills Training Ltd
117527	Mymar Training Ltd
117530	Academy of Hair and Beauty
117531	Enthusiasm Trust
117534	Derby Skillbuild
117540	The Learning Zone
117543	Industry Development Services Limited
117556	PGL Training (Plumbing) Limited

© LSC March 2006 Published by the Learning and Skills Council.

Extracts from this publication may be reproduced for non-commercial educational or training purposes on condition that the source is acknowledged and the findings are not misrepresented. This publication is available in electronic form on the Learning and Skills Council website: <u>www.lsc.gov.uk</u>

If you require this document in an alternative format or language, please contact the LSC Helpdesk.

LSC Helpdesk: 0870 900 6800 Publication reference: LSC-P-NAT-060129