



# **Learner Information Suite (LIS) Version 18.01**

## **Database Guidance**

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## Introduction

This guidance focuses on the information held in the Learner Information Suite (LIS) database tables.

### LIS Database Overview

This part of the guide describes the information contained in the tables of the Microsoft Access database, LISData2000.mdb, which stores data for the LIS. The database tables contain raw data about funding, derived data calculations and validation. The database resides in the 'Data' folder of the LIS 18 folder group (e.g. C:\LIS\Release18\Data) and can be opened in two ways.

The first is by double-clicking the "LIS 18.01 atabase (Read Only) " shortcut in the LIS Release 18 folder (e.g. C:\LIS\Release18), this opens the LISData2000.mdb Access database in its entirety of 118 tables but the Data in the database can only be viewed.

A username and password will be requested, the username is *lisuser* and the password is *password*. However, if the password used to enter the application is changed, the database password is changed too.

The second is by exporting the Access database, from within LIS 18 using the option in the Report Manager window, this exported database contains 100 tables; the remaining tables not exported during the export database function are not used for analysing data.

This is fewer than the first option but data in this database can be changed and manipulated by the user. The default export location for this database is the 'exports' folder in the LIS 18 folder group (e.g. C:\LIS\Release18\Exports) and the name of the Access mdb is "LIS\_EXP.mdb". For further advice on exporting a database from LIS see the Quick Start guide, section 6.

Because the LIS database was created in Microsoft Access 97, users opening it with later versions of Access will be prompted to open or convert the database when opening it. Only the Open option is necessary.

### Further Database Export Types

There is another export option in the LIS 18 Report Manager screen. This allows the same data tables exported in the LIS\_EXP.mdb to be exported individually or as a complete set of CSV files, DBF files or as an Access database. The DBF files can be exported with truncated 8 character filenames, as shown in the LIS Database Tables section below, as are the tables available in the exported versions of the database. See section 6 of the Quick Start guide, available from the LIS 18.01 software download page.

### Table Information

The database contains tables linked from the LAD extract, ILR lookup codes, tables of information required by the LIS to run, tables of results of LIS functions and structural tables.

The ILR lookup tables are defined in the ILR Specification document. Where this is the case this guidance directs users to the original documentation. In series 18 of the LIS, ILR lookup table names are prefaced ILR\_ followed by the ILR field number.

## LIS Database Tables

Table Name	Data Source	Definition of Contents	DBF/CSV Export	DBF Short Table Name
AcademicYear	n/a	This table has no functionality in LIS 18.01 and will be removed in the next version.	n/a	n/a
Aim	ILR data	All imported aim records from the ILR.	Y	Aim
All_Annual_Values	LAD extract	Contains All_Annual_Values information from the LAD for aim references used when calculating funding for the imported file. This includes the learning aim reference code, accreditation end date, independent living skills flag, LSC funding status flag and basic skills flag. Field definitions are in the document <i>Guidance Note: Learning Aim Database Field Definitions</i> available on the LSC website.	Y	ALLAV
CalcLookups	LIS Internal	List of information used by the funding calculation. Includes items such as loadbanded SLN values, certain aim type codes for individually listed aims, lookups for various fields.	Y	CalcLook
CredibilityReportFiltered	LIS Internal	Table used for the Credibility report.	N	n/a
DeriveAimResults	LIS Internal	Results of LIS calculation of derived variables at aim level. See the detailed table information later in this document.	Y	DeriveAi
DeriveLearnerResults	LIS Internal	Results of LIS calculation of derived variables at learner level. See the detailed table information later in this document.	Y	DeriveLe
ERCalcErrors	LIS Internal	List of errors encountered while calculating funding for the currently imported employer responsive file.	Y	ERCalcEr
ERFundingAim	LIS Internal	Funding data per aim for the learner responsive funding calculation on the currently imported file.	Y	ERFA
ERFundingAimPeriod	LIS Internal	Funding data per aim per period for the learner responsive funding calculation on the currently imported file.	Y	ERFAP
ERReportPeriod	LIS Internal	The current period used in the reports based on the filename extension for example ERReportPeriod would be 5 if the filename extension is W05.	N	n/a
Error_Log	LIS Internal	List of errors encountered while running the LIS. The LIS log function (in General) is easier to read and gives the same information.	N	n/a
ERSnapshot	LIS Internal	A lookup of adjusted and transitional national rates from the currently imported Provider List for the currently selected provider.	Y	ERSnapsh
Fields	LIS internal	A lookup of fieldnames used throughout the validation and calculation processes.	N	n/a
Fieldtypes	LIS Internal	A lookup of variable types which the Field table links to.	N	n/a

Table Name	Data Source	Definition of Contents	DBF/CSV Export	DBF Short Table Name
FileNames	ILR data	Entirety of file name of ILR file(s).	Y	FileName
Footers	ILR data	All fields contained in the footer of the imported data file(s).	Y	Footers
Framework_aims	LAD extract	Framework Aim data extracted from the LAD for the learning aims in the imported/calculated ILR file.	Y	FWKAIMS
Framework_cmn_components	LAD extract	Framework Common Components extracted from the LAD for the Framework aims in the imported/calculated ILR file.	Y	FWKCOM
Framework_Funding_Details	LIS Internal	Framework funding data identified by Framework Code and Framework Type Code imported from the LAD for the combinations of Framework Codes (A15) and Framework Type Codes (A26) in the imported/calculated ILR file.	Y	FWFUNDET
Frameworks	LAD extract	Framework data extracted from the LAD for the learning aims in the imported/calculated ILR file.	Y	FWK
Funding Details	LAD Extract	SLN and Programme Weighting data imported from the LAD table of the same name where values exist for specific Learning Aim References and Funding Models.	Y	FUNDET
GlobalData	LIS Internal	Holds data used by various form screens.	Y	GlobalDa
HE	ILR data	All imported HE records from the ILR.	Y	HE
Headers	ILR data	Entirety of header record(s) in ILR.	Y	Headers
ILR_A02_Contract_Number	LIS Internal	Allocation/contract number codes for aims (non-FE/UFI).	Y	ILR_A02
ILR_A10_Funding_Streams	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_A10
ILR_A11_Funding_Sources	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_A11
ILR_A14_Non_Payment_Reasons	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_A14
ILR_A15_Programme_Types	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_A15
ILR_A16_Programme_Routes	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_A16
ILR_A17_Delivery_Modes	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_A17
ILR_A18_Delivery_Methods	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_A18
ILR_A19_Employer_Roles	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_A19
ILR_A20_Retake	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_A20
ILR_A34_Completion_Status	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_A34
ILR_A35_Learning_Outcomes	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_A35
ILR_A36_Learn_Outcome_Grades	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_A36
ILR_A46_Nat_Learner_Aims	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_A46
ILR_A49_Project_Codes	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_A49
ILR_A50_Reason_Learning_Ended	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_A50

Table Name	Data Source	Definition of Contents	DBF/CSV Export	DBF Short Table Name
ILR_A53_Add_Learning_Needs	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_A53_
ILR_A57_Tuition_fee_sources	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_A57_
ILR_A58_ASL_Provision	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_A58_
ILR_A63_Nat_Skills_Academy	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_A63_
ILR_A66_Employ_Status_ESF	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_A66_
ILR_A67_Length_Unemploy_ESF	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_A67_
ILR_A68_Emp_Outcome_Funding	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_A68_
ILR_A69_Elig_Enhanc_ER_Funding	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_A69_
ILR_A70_Cont_Org_Code	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_A70_
ILR_H10_Nationalities	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_H10_
ILR_H11_Highest_Qualifications	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_H11_
ILR_H12_New_Entrants	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_H12_
ILR_H13_Programme_Type_Years	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_H13_
ILR_H14_HE_Funding_Modes	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_H14_
ILR_H15_HE_Funding_Levels	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_H15_
ILR_H16_Completion_Years	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_H16_
ILR_H20_Major_Fee_Sources	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_H20_
ILR_H21_TermTime_Accomod	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_H21_
ILR_H31_Leaving_Reasons	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_H31_
ILR_H36_Socio_Economic_Ind	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_H36_
ILR_H42_Special_Fee_Ind	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_H42_
ILR_H44_NHS_Bursary	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_H44_
ILR_H45_Qual_On_Entry	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_H45_
ILR_L02_Contract_Type	n/a	This table has no functionality in LIS 18.01 and will be removed in the next version.	n/a	n/a
ILR_L12_Ethnicity	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_L12_
ILR_L14_Difficulty_Disability	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_L14_
ILR_L15_Disability	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_L15_
ILR_L16_Difficulty	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_L16_
ILR_L24_Domiciles	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_L24_
ILR_L27_Restricted_Uses	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_L27_
ILR_L28_Eligibil_Enhance_Fnds	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_L28_
ILR_L29_Additional_Support	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_L29_
ILR_L32_Disadvantage_Eligibil	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_L32_

Table Name	Data Source	Definition of Contents	DBF/CSV Export	DBF Short Table Name
ILR_L34_Learner_Supp_Reasons	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_L34_
ILR_L35_Prior_Attainment_Level	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_L35_
ILR_L36_Learner_Status	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_L36_
ILR_L37_Employ_Status_Firsts	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_L37_
ILR_L39_Destinations	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_L39_
ILR_L40_Nat_Learner_Events	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_L40_
ILR_L47_Current_Employ_Status	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_L47_
ILR_L49_Discret_Learner_Supp	LIS Internal	Lookup table of valid codes for this ILR field.	Y	ILR_L49_
ILR_N08_Collections	LIS Internal	Lookup table of valid codes for the first character of the ILR file name extension.	N	n/a
LAD_SLN_Fwk_Periods	LIS Internal	SLN and Programme Weighting data imported from the LAD table of the same name. It is designed to assist the LIS where multiple records exist for a single combination of Framework Code and Framework Type Code in Framework_Funding_Details. This table attributes them all to a single record which contains fields for each period of the academic year.	Y	FWSLNP
LAD_SLN_PWgt_Periods	LIS Internal	SLN and Programme Weighting data imported from the LAD table of the same name. It is designed to assist the LIS where multiple records exist for a Learning Aim in the table Funding_Details. This table attributes them all to a single record which contains fields for each period of the academic year	Y	SLNP
LAD_Current_Version	LAD extract	Information about the LAD extract linked to the LIS.	Y	LAD_Curr
Learner	ILR data	All imported learner records from the ILR.	Y	Learner
LearnerStatuses	LIS Internal	Rule violation information for display purposes.	N	n/a
Learning_Aim	LAD extract	Learning aim data extracted from the LAD for the learning aims in the imported/calculated ILR file.	Y	Learning
LookupDetails	LIS Internal	When an internal lookup table is updated by the user, such as the provider list, this table is updated with the name of the updated table and the date stamp of the imported update mdb.	Y	LookupDe
LRCalcErrors	LIS Internal	Calculation errors for the learner responsive funding calculation on the currently imported file.	Y	LRCalcEr
LRFundingAim	LIS Internal	Funding data per aim for the learner responsive funding calculation on the currently imported file.	Y	LRFA
LRFundingAimPeriod	LIS Internal	Funding data per aim per period for the learner responsive funding calculation on the currently imported file.	Y	LRFAP

Table Name	Data Source	Definition of Contents	DBF/CSV Export	DBF Short Table Name
LRSnapshot	LIS Internal	A lookup of adjusted and transitional national rates from the currently imported Provider List for the currently selected provider.	Y	LRSnapsh
ModuleVersion	LIS Internal	Version numbers of the modules within LIS.	Y	ModuleVe
Postcodes	LIS Internal	Lookup table of first part of UK postcodes.	Y	Postcode
ProcessControl	LIS Internal	List of data related to processes run in the application.	Y	ProcessC
ProcessStatuses	LIS Internal	Lookup table of process status types.	N	n/a
ProgrammeAim	LIS Internal	All programme aims in the ILR file currently imported.	Y	Programm
Providers	LIS Internal	The provider list as extracted from PIMS.	Y	Provider
Reconciliation 1	LIS Internal	Contents of L01, L02, L03 and L10 in the 2008/09 ILR file.	Y	RECON1
Reconciliation 2	LIS Internal	Contents of L01, L02, L03 and L10 in the 2009/10 ILR file.	Y	RECON2
Reconciliation Header	LIS Internal	Information used by 'Missing from Later Return' report.	Y	RECONH
RecordTypes	LIS Internal	Lookup table of data set types.	N	n/a
Relationships	LIS Internal	List of database relationships.	N	n/a
ReportFilters	LIS Internal	List of report filters.	N	n/a
Reports	LIS Internal	List of reports.	N	n/a
ReportTypes	LIS Internal	Lookup table of report types.	N	n/a
RuleViolations	LIS Internal	Rule violations in the file currently held in the database.	Y	RuleViol
Schema	LIS Internal	Internal LIS table.	N	n/a
Sequence	LIS Internal	Internal table used during the running of LIS processes.	N	n/a
SOC2000_Codes	LAD extract	SOC 2000 information extracted from the LAD.	Y	SOC2000_
SSA_Tier2_Codes	LAD extract	LAD import field used for categorisation of data in the Indicative occupancy report.	Y	SSA_Tier
UKPRN_Master	LIS Internal	A list of all valid UKPRNs used within Data Service Data Collection Systems for the purpose of validating 'Franchised and partnership delivery provider number' entries in A22	N	n/a
ValidationRules	LIS Internal	Validation Rule information: internal LIS rule ID code; rule name; data type (FE, WBL or All); TableList; file format; data set identifier code the rule works on; the expression of the rule in mathematical terms and English; whether it's a funding rule; severity (warning, error); whether it's LIS/provider online/provider batch; AddRecord; ChangeRecord; DeleteRecord; RuleViolationsKey; and ImportError.	Y	Validati
ValidationRuleSQL	LIS Internal	Assigns rule ID numbers (see ValidationRules table) to collection numbers.	N	n/a

<b>Table Name</b>	<b>Data Source</b>	<b>Definition of Contents</b>	<b>DBF/CSV Export</b>	<b>DBF Short Table Name</b>
Validity_Details	LAD Extract	An import of the same table in LAD for matching aims. Used by the funding calculation to validate whether the learning aim used is within its prescribed life span.	Y	Validity
VersionInfo	LIS Internal	Includes versions for relevant information used by the LIS: database version/date, postcode information date, providers table date.	Y	VersionI