



LMS Data Extract

LMS Data Extract
PS_LMS_EXTRACT
Application 14959
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Overview:

The LMS Data Extract application provides a parameter-driven process for the creation of Deposit, Loan and Member extract files for use by credit analysis software.

Key Benefits:

This application can improve financial institution's efficiency by automating the generation of Deposit, Loan and Member extract files that would otherwise be manual. This application can generate extract files in three modes member-centric, account-centric and account-centric with Unique Member number to segregate business from personal account when the Tax Reported for Owner is a person on business type accounts.

Processing:

This application produces four comma-separated extract files; one for Deposit Account, two for Loan Accounts and one for Member information.

Account-Centric mode

When the run mode parameter is set to '1' (Account), the Deposit account file contains a single record for any account whose major account type is a) associated with either the Deposit or Retirement categories and b) is defined as a "Customer" product. In addition, if the Deposit Account Status runtime parameter is provided, the list of deposit accounts is limited to those whose current status matches a value in that parameter; otherwise, all deposit accounts are extracted regardless of status.

The Loan account file contains at least a single row for each loan account whose major and minor account types, as well as current status, match values that are provided in the appropriate run-time parameters (Note: Please refer to the "Parameters" section for an explanation of the default behavior of each of the previously listed parameters). An account may appear in the file more than once if the account has a relationship to a participation agreement. In that case, the account appears once for each active participant.

The Member file contains a record for each person and organization who serves as a) the tax owner of the account, or b) plays a non-employee role on an account that appears in the Deposit or Loan file. Employee Roles are designated by the Employee Role indicator on the role in the Account Role business table. (Note: If an employee is also a member, the member relationship takes priority and the employee is listed in the member file.)

Member-Centric mode

When the run mode parameter is set to '2' (Customer/Member), the Member Information file contains all persons or organizations that have a specific deposit account based on Major/Minor and/or has a non-employee role on a loan account within a selected Major; both of these criteria are selected using run time parameters. If a person or organization meets both selection criteria, only one record is extracted into the Member Information file. The Member Information extract drives which records should be included in the loan and deposit extracts. The loan and deposit files includes all loan(s) and deposit(s) for persons or organizations included in the Member Information extract where they are the tax reported for owner on the account.

The Loan account extract file contains a record for each loan account where the tax reported for owner on the account is included in the Member Information extract and the current status match values that are provided in the “CASC” parameter.

The Deposit account file contains a single record for any account where the tax reported for owner on the account is included in the Member Information extract and whose major account type is a) associated with either the Deposit or Retirement categories and b) is defined as a “Customer” product. A Customer product is a deposit product where the Customer Product YN flag is set to Y, indicating that is not an internal account and is available for use by branch staff.

Account-Centric with Unique Member Number mode

When the run mode parameter is set to ‘3’ (Account/Unique Member Nbr), the business account are segregated from personal account when the Tax Reported for Owner is a person on business type accounts(sole proprietor, d/b/a, etc.) with their member record for import into loan management system. It evaluates the account types in the note and deposit extracts and updates the member number creating a “unique” member number as follows:

Note File:

- If the loan major is CML and the Tax Reported for Owner is a person, precede the member number with an O.
- If the loan major is CML and the Tax Reported for Owner is an organization, precede the member number with an O.
- If the loan major is CNS or MTG and the Tax Reported for Owner is a person, precede the member number with a P.
- If the loan major is CNS or MTG and the Tax Reported for Owner is an organization, precede the member number with an O.

Deposit File:

Business deposit accounts will be identifiable through a new external cross reference table.

- If the deposit account is a business account as indicated in the external cross reference table and the Tax Reported for Owner is a person precede the member number with an O,
- If the deposit account is a business account as indicated in the external cross reference table and the Tax Reported for Owner is an organization precede the member number with an O.
- If the deposit account is a personal account (not indicated in the external cross reference table) and the Tax Reported for Owner is a person precede the member number with a P

Member File:

A single member file record is created for each unique member number created in the Note and Deposit files for the Tax Reported for Owner. If the Tax Reported for Owner is a person but has two unique member numbers (P12345 and O12345) a record will be created for each unique member number.

Person or Organizations that play a non-employee role on the accounts that appears in the deposit or loan file is also be included in the Member file. The member number is preceded with O if they are an organization or P for person.

The member file contains one record for each person or organization based upon their unique member number.

Employee Roles are designated by the Employee Role indicator on the role in the Account Role business table. (Note: If an employee is also a member, the member relationship takes priority and the employee is listed in the member file.)

Participation File:

When the parameter 'Produce Participation Extract' is set to 'Y', a separate participation extract file will be produced for those loans within the note extract that have active participation records. The participation data field within the note extract will be left blank. Each participation record associated with the loan account will be extracted.

Bought loans (where the loan minor code equals the "Bought Loan Minors" parameter value) are not written to the Participation File.

Parameters:

This application has no start and thru date parameters; it should be run nightly. The following runtime parameters will be provided for flexibility:

Parameter	Code	Description (how used)	Required	Default
Output File Path	COUP	Complete path name where output file is located. The trailing backslash is optional (ex. "C:\TEMP\").	No	Batch Queue Output Directory
Run Mode	8RMD	Used to identify the run mode for the main selection criteria (please refer to the processing section of this document for how each selection is used). 1 – Account 2 – Customer/Member 3 – Account/Unique Member Nbr If left blank, 1 – Account will be considered the default.	No	1
Thru Date	TD	Ending date to print balance information.	No	Queue Effective Date
Parallel Processing Y/N	PARA	Identifies the desire to use the parallel processing mechanism.	No	No ("N")
Nbr of Parallel Processes	8NOP	When using Parallel Processing, this value designates the number of processes to use.	No	4
Major Account Types to Include	MJCD	A comma separated list of valid product major types to include in the loan file. If left blank, the default value will be: MTG, CNS, CML.	No	MTG,CNS,CML
Minor Account Types to Include	MICD	A comma separated list of valid product minor types to include in the loan file. If left blank, the default will be all minor codes with the designated major(s).	No	<BLANK>
Current Acct Status Code (Loans)	CASC	Status of Loan Accounts to be included on the extract. If left blank, the default will be to include all loan accounts, regardless of status.	No	ACT,NPFM
Deposit Account Status	8DAS	Status of Loan Accounts to be included on the extract. If left blank, the default will be to include all loan accounts, regardless of status.	No	ACT

Parameter	Code	Description (how used)	Required	Default
Primary Employee Role Code	8PER	Employee Role Code to use when extracting Loan Officer person number. If left blank, a Loan Officer number will not be included.	No	LOFF
Relationship Manager Role	8RMR	Relationship Manager Role Code to use when extracting Member Officer. If left blank, Member Officer will not be included	No	<BLANK>
Available Funds Method Code	AMTH	Available Funds Method Code used to calculate deposit available and collected balances.	No	GPND
Loan Closed Drop Days	CDD	Days to include accounts with a status of Closed (CLS) or Closed with Balances Remaining (CWB) or Chargeoff (CO) if the Current Acct Status Code runtime parameter contains any of these statuses	No	30
Drivers Lic Pers ID Typ Cd	8DLC	The value from the PERSIDTYP business table that represents the ID type that should be used to populate the Driver's License Number field in the member extract.	Yes	<BLANK>
Loan Type Code	8LTC	This parameter allows the institution to specify which category code business table to use to populate the Loan Type Field. OTS = OTSLOANCATCD FDIC = FDICCATCD OCC = OCCLOANCATCD FHLB = FHLBCAT MAJOR = Major Code	Yes	<BLANK>
Credit Rating Code User Field	8CRU	This parameter allows you to enter the Person User field code to identify the Credit Rating code in the Member information extract	No	<BLANK>
Credit Rating Date User Field	8CRD	This parameter allows you to enter the Person User field code to identify the Credit Rating Date code in the Member Information extract	No	<BLANK>
DBA Role Code	8DBA	DBA Role Code to use when extracting Doing Business As Name. If left blank, the field will be blank.	No	<BLANK>

Parameter	Code	Description (how used)	Required	Default
Mask Tin Information	MTIN	When set to Y, the SSN will print on the report in the following format: *****9999 When set to N, the SSN will print unmasked on the report. If left blank, Y will be considered the default.	No	Y
Deposit Closed Drop Days	8DEC	Run Mode 2 - Days to include deposit accounts with a status of Closed (CLS) or Closed with Balances Remaining (CWB) or Charge-off (CO) if the Current Acct Status Code runtime parameter contains any of these statuses If left blank, 30 will be considered the default.	No	30
Deposit Major(s)	8DMJ	Run Mode 2 - A comma separated list of valid Deposit major types to include in the Member file selection criteria. If left blank, all deposit and retirement majors will be included.	No	<BLANK>
Deposit Minor(s)	8DEM	Run Mode 2 - A comma separated list of valid Deposit minor types to include in the Member file selection criteria. If left blank, the default will be all minor codes with the designated major(s).	No	<BLANK>
Deposit Role Codes	8DRC	Run Mode 2 - A comma separated list of valid Deposit Role Codes to include in the Member file selection criteria. If left blank only tax reported for owner will be included.	No	<BLANK>
LMS Extract File Unique Id	8TID	This parameter will be used to indicate the unique identifier in each of the extracts produced by the application to be populated in the Core Member Number field in the member and note extract and the Port1 field in the deposit extract. MEM – Member Number TIN – Tax Id Number (preceding zeros will be dropped) If left blank Member Number (MEM) will be considered the default.	No	MEM

Parameter	Code	Description (how used)	Required	Default
Organization Types To Exclude	8OTE	A comma delimited list of organization types to exclude from the Member extract. If this parameter is left blank, all organization types will be considered.	No	<Blank>
Person Types To Exclude	8PTE	A comma delimited list of person types to exclude If this parameter is left blank, all person types will be considered.	No	<Blank>
Produce Participation Extract	8PPE	When set to 'Y' a separate participation extract will be produced. If set to 'N' participation information will be included in the NOTE extract. If left blank the default will be considered 'N'.	No	N
Bought Loan Minors	8BLM	A comma delimited list of minor types that would indicated bought loans. If the loan records current minor is equal to the minors selected in this parameter the Participation/Lease field in the Note Information extract will be populated with a '2' to indicate a bought loan. If this parameter is left blank only options 1 or 0 would apply.	No	<Blank>
Construction Loan Minors	8CLM	Minor loan types that would use LIP balance information	No	Blank
Include Additional Fields_YN	8AIL	When set to Y, the application will append Major Account Type Code, Next Rate Change Date, Minimum Rate Change Up, Maximum Rate Change Up, Minimum Rate Change Down, Maximum Rate Change Down, and Payment Type, if populated, to the end of the PS_LMS_NOTE.csv file. When set to N, the application will not append the above fields.	No	N

Variables:

The Calculation Category LMS Extract (8LMS) Calculation Type LMS Extract (8LMS) is used to identify Business Deposit Products when using Run Mode 3 – Account/Unique Member Number.

Variable	Code	Description (how used)	Data Type	Default
Business Deposit Product	8BDP	Valid values are: Y – Yes: Product is a business product N – No: Product is not a business product	YN	N - No

The above calculation variable is supported at the following levels:

- Product
- Account Overrides

Transaction Reporting Groups:

Two new Transaction reporting groups will be created for this Application:

Transaction Reporting Group	Code	Description (how used)	Default
LMS Disbursement RTXN Group	8DSB	The transaction reporting group will contain all of the monetary transaction type codes that need to be considered to determine first and last advance date value. At the time of installation, the group will contain the default values however transaction codes can be removed or added in the System table area of DNA	PDSB – Principal Disbursement NDSB – New Loan Disbursement CKUS – Over the Counter Check CWTH – Check DDSB – ATM Loan Disbursement ECHK – Electronic Check ONUS – Check - Item Processing OPA – Overdraft Protection Advance PPPD – POS(PIN) Purchase Disbursement SDSB – POS Purchase Disbursement SWPI – Sweep Disbursement XDSB – External Principal Disbursement
LMS Payment RTXN Group	8PMT	The transaction reporting group will contain all of the monetary transaction type codes that need to be considered in determining last paid date value. At the time of installation, the group will contain the default values however transaction codes can be removed or added in the System table area of DNA	PDWN – Pay Down Payment POFF – Account Payoff SPMT – Regular Payment XPMT – External Loan Payment PMTI – IAT Loan Payment

Scheduling and re-run information:

- The application cannot be run back in time.
- The application should be run nightly.
- This application has the ability to exclude any product or account from processing. Exclude Application at Product (Major/Minor) level will allow the institution to exclude certain type of product from being included in this process. Individual accounts can be omitted from this extract via the Exclude Application Function at the Account level.

Report(s):

The report will not contain any details; only the full path, name of the extract files and a count of records extracted into the file.

Bank: Test Institution	LMS Data Extract	Run Date: 02-26-2017
Report: PS_LMS_EXTRACT		Post Date: 02-25-2017
Queue Number : 47160		Run Time: 11:05:47
Application Number: 14959		Cash Box:
Queue Sub Number : 1		
	SCHEMA OSIBANK	
	DATABASE NAME CS12.WORLD	
	RELEASE DNA 4.0.1.3	
	x	
	REPORT PARAMETERS	
	Bought Loan Minors: 30FX,CTER	
	Construction Loan Minors: CNST,BOAT	
	Credit Rating Code User Field: CRSC	
	Credit Rating Date User Field: UF20	
	Loan Type Code: MAJOR	
	Person Types To Exclude: CUST,MMBR	
	Deposit Account Status: ACT	
	DBA Role Code:	
	Deposit Closed Drop Days: 30	
	Deposit Role Codes:	
	Deposit Minor(s):	
	Deposit Major(s):	
	Drivers Lic Pers ID Typ Cd: 1	
	Organization Types To Exclude: DLR,INVR	
	Primary Employee Role Code:	
	Produce Participation Extract: Y	
	Run Mode: 1	
	Relationship Manager Role:	
	Nbr of Parallel Processes:	
	LMS Extract File Unique Id: TIN	
	Mask Tin Information: N	
	Parallel Process YN:	
	Available Funds Method Code: GPND	
	Current Acct Status Code:	
	Closed Drop Days:	
	Minor Account Type Code:	
	Major Account Type Code:	
	ThruDate:	
	Output File Path:	
Bank: Test Institution	LMS Data Extract	Run Date: 02-26-2017
Report: PS_LMS_EXTRACT		Post Date: 02-25-2017
	Marketing Profiles Extract File Listing	Page: 1 of 1
	Application : 14959	
	File 1: c:\temp2\PS_LMS_MEMBER.CSV	
	202 Records extracted	
	File 2: c:\temp2\PS_LMS_NOTE.CSV	
	3899 Records extracted	
	File 3: c:\temp2\PS_LMS_DEPOSIT.CSV	
	5190 Records extracted	
	File 4: c:\temp2\PS_LMS_PARTICIPATION.csv	
	3899 Records extracted	

- Output report will include a count of deposit accounts, loan accounts and members extracted.

File Layouts:**Output File Layout – Comma Separated**

All files created by this application will be comma de-limited. A header record will be written with the field name. Text fields that contain commas should be surrounded by double quotes.

Member Information Extract – PS_LMS_MEMBER.csv

Member Information will be included in the extract only if there is a role on a loan that is included.

Field	Format	Description
Core Member Number	Alphanumeric	Unique identifier. This field will be populated with the Member Number or TIN as identified in the Unique Identifier runtime parameter. When 'TIN' is selected the preceding zeros will be dropped from the number. If 'TIN' is selected, and if Mask Tin Information is set to 'Y', then the TIN will be masked.
Last Name or Individual's Full name or Business Name	Alphanumeric	If above value is a person number, Last Name. If above value is an organization, full organization name.
First Name	Alphanumeric	If customer record is a person, first name.
Middle Name	Alphanumeric	If customer record is a person, middle name, if available.
Business Flag	Text	Field will identify which names are business/organization names vs. individual names. If core customer number is for a person, P will be reported. If core customer number is for an organization, O will be reported.
Name Suffix	Alphanumeric	The suffix for the person, if populated.
Doing Business As	Alphanumeric	Run Mode 1 - Blank – Not providing Run Mode 2 – DBA role code description
Date of Birth	MM/DD/YYYY	Person Date of Birth, if Org left blank
Tax ID Number	Text	If customer record is a person SSN If customer is an Org EIN
Code that determines if Tax ID should be formatted as SSN or Federal Tax ID	Alphanumeric	P = SSN O = Federal Tax ID
Billing Address first line	Alphanumeric	Address Line 1 for primary address
Billing Address second line	Alphanumeric	Address Line 2 for primary address, If populated.
Billing Address City	Alphanumeric	City associated with primary address

Field	Format	Description
Billing Address State	Alphanumeric	2 character code for state associated with primary address
Billing Address Zip	Alphanumeric	Zip or Zip plus 4 if entered for primary address
County	N/A	Blank – Not Providing
Country	N/A	Country Code
Home Phone	Alphanumeric	Tax owner home phone as defined in the Inst Processing Variable Home Phone Use Code 'HPHE'
Work Phone	Alphanumeric	If populated, Tax owner business phone as defined in the institution Processing Variable Business Phone Use Code 'BPHE'
Work Phone Extension	Text	Phone Extension if populated for Work Phone field above.
Cell Phone	Alphanumeric	If populated, Tax owner cell phone as defined in the institution Processing Variable Cell Phone Use Code 'CPHE'
Fax Phone	Alphanumeric	If populated, Tax owner Fax phone as defined in the institution Processing Variable Cell Phone Use Code 'FAXP'
E-Mail Address	Alphanumeric	Person or organization's email address with the type defined as the home email address through the Home Email Address Use Cd (HEML) Institution Processing variable.
Date this member started with credit union	MM/DD/YYYY	The date the Person or Org was added.
Share Branch Number	Number	Share Branch Number
Member Officer	Number	Person number of the role as defined in Relationship Manager (8RMR) runtime parameter
Driver's License Number	Alphanumeric	The State Code (if populated) combined with the ID Number, i.e. CT9999999 for the ID entered in the runtime parameter when populated on the person. This will be blank for organizations.
Member's Credit Limit	N/A	Aggregated Total borrower liability – Current principal balance on closed end loans and credit limit amount on revolving/multi advance loan.
Credit Rating	N/A	Person user field entered in the runtime parameter for Credit Rating.
Date of Credit Rating	N/A	Person user field entered in the runtime parameter for Credit Rating Date.
Member Type	N/A	Blank - Not Providing

Note Information Extract – PS_LMS_NOTE.csv

If the Produce Participation Extract parameter is set to 'N' the account will be listed multiple times in this file; once for each distinct participant. The participant's loan number will be the unique identifier. When set to 'Y' a separate participation extract file will be created and the participation related fields in this extract will be blank.

Field	Format	Description
Note Number	Numeric	Account Number
Core Member Number	Alphanumeric	Unique identifier. This field will be populated with the Member Number or TIN as identified in the Unique Identifier runtime parameter. When 'TIN' is selected the preceding zeros will be dropped from the number. If 'TIN' is selected, and if Mask Tin Information is set to 'Y', then the TIN will be masked.
Note Officer	Numeric	Person number of role as defined in Primary Employee Role Code (8PER) runtime parameter
Original \$ Amount of the note	999999.99	Original principal amount. If line of credit, the original credit limit amount.
Current Balance of the note	999999.99	Current principal balance as of runtime. If minor equals minor selected in Construction Loan Minors parameter this field will be populated the net of LIP balance (Note Balance minus LIP Balance)
Credit Union / Branch	Numeric	Branch number of account as of runtime
Inception Date	MM/DD/YYYY	Contract Date
Date of Disbursement	MM/DD/YYYY	The effective date of the earliest Principal Disbursement completed transaction in the loan disbursement reporting group
Maturity Date	MM/DD/YYYY	Date final payment is due on loan
Unused Commitment	999999.99	The unfunded portion of the Credit Limit Amount on revolving/multi advance loan. If minor equals minor selected in Construction Loan Minors parameter this field will be populated with the LIP Balance
Payment Amount	999999.99	The sum of all active payment rows that represent principal and interest. Escrow and/or insurance amounts are not included.
Principal Payment Frequency	Alphanumeric	Principal Payment Frequency
Interest Payment Frequency	Alphanumeric	Interest Payment Frequency This data can only be provided for calendar period accounts.
Interest Rate	99.9999	The current interest rate

Field	Format	Description
Interest Type	Alphanumeric	The core field that will identify the Note as Variable or Fixed Rate. Values will be: FIX, VAR
Amount of interest accrued to date	N/A	This is the amount of interest due on the loan as of the parameter thru date.
External Index	N/A	Blank – Not providing
Internal Index	Numeric	For variable rate accounts, Rate schedule number the loan's re-pricing rate is to be based upon.
Margin	99.9999	For variable rate accounts, plus or minus adjustment to the internal index.
Rate Adjustment Frequency	Numeric	For variable rate accounts, the rate change calendar frequency for the loans scheduled re-pricing. Expressed as the number of months
Minimum Interest Rate (Floor)	99.9999	For variable rate accounts, minimum rate to which the current interest rate can be adjusted
Maximum Interest Rate (Ceiling)	99.9999	For variable rate accounts, maximum rate to which the current interest rate can be adjusted.
Interest Payment Due Date	MM/DD/YYYY	Oldest outstanding due date for Fixed Due Cal Int on Pmt (FDUE). If none exist, the next payment to be billed. For On Cycle accounts with no active receivable, this will be blank.
Interest Computation Method	Alphanumeric	For variable rate accounts, the DAYSMETH/INTBASE represented as days. Ex: 360/365, 365/365
Purpose Type	Alphanumeric	Purpose Code
Narrative purpose	Alphanumeric	Purpose Code Description
Participation	Yes/No	Yes = If Participant Balance exists. Blank if parameter 'Produce Participation Extract' is 'Y'
Participation/Lease	Long Integer	The core field that identifies whether the Note is a Lease Purchase, Bought Participation, or Sold Participation. 1 = Sold Participation 2 = Bought Participation 0 = Not Participated Sold Participation '1' will be identified by active participant balances. Bought Participation '2' If the loan records current minor is equal to the minors selected in Bought Loan Minors run time parameter Note: Data type states long integer
To/From Whom	Numeric	Participation Org Number Blank if parameter 'Produce Participation Extract' is 'Y'

Field	Format	Description
Percent of Sold loan that is participated	999.9999	The portion of the loan account that is owned by this participant. Ex: 100% will be 100.00 Blank if parameter 'Produce Participation Extract' is 'Y'
Note Number of Main Loan	Alphanumeric	Participant External Account Number Blank if parameter 'Produce Participation Extract' is 'Y'
Number of times Sold	N/A	Blank – Not Providing
Write off?	Yes/No	YES = If account status is CO Charged off OR the partial charge off indicator is set to Y. All others, will be NO
Written Off Amount	999999.99	The charged-off amount.
Written Off Date	MM/DD/YYYY	The date the loan was charged off. If status = CO, date account switched status. If only partially charged off, date charge off balance was created.
Non-Accrual	Yes/No	Yes = If account status = NPFM.
Non-Accrual Date	MM/DD/YYYY	The date the loan was placed in a non-accrual status. Date account set to NPFM
Total Past Due Amount	999999.99	This is the total amount outstanding in the payment sequence of the product to pay a loan current.
Total Number of Past Due Days	Numeric	If an account is paid ahead, a 0 will be returned.
Number of times past due 1-29 days	Numeric	Account Statistic for PD
Number of times past due 30-59 days	Numeric	Account Statistic for PD30
Number of times past due 60-89 days	Numeric	Account Statistic for PD60
Number of times past due over 90 days	Numeric	Account Statistic for PD90
Date of the Next Payment Due	MM/DD/YYYY	Oldest payment due date outstanding. If no payments outstanding, the next payment to be billed will be provided. On Cycle accounts with no receivables will not have data in this field.
Current Payoff amount	999999.99	This will be affected by institution options affecting payoff, net escrow, etc.
Date of the First Payment	MM/DD/YYYY	Date first payment due. If on cycle accounts will be blank.
Date of the Last Payment	MM/DD/YYYY	Use Last completed (not reversed) transaction in the loan payment reporting group
Late Charge Due	999999.99	Sum of outstanding late charge receivables
Note Type	Alphanumeric	Account Minor Code

Field	Format	Description
Credit Line Code	Numeric	Identifies whether a multiple advance loan is OPEN, CLOSED, or NOT A CREDIT LINE. 1 = Open - If Loan Limit YN = Y and RevolvingYN = Y 2 = Closed - If LoanLimitYN = Y and RevolvingYN = N 3 = Not a credit line - If LoanLimitYN = N and RevolvingYN = N
Loan Type	Alphanumeric	The FDIC, OCC, OTS, FHLB category code or loan Major code based upon the selection in the runtime parameter.
Term (in months) of the note	Number	Current Term formatted into months.
State of Jurisdiction	N/A	Blank - Not Providing
Date of First Rate Adjustment	MM/DD/YYYY	For variable rate accounts, effective date of first rate change date in the loan's rate history.
Initial Advance	99999.99	If Credit Line Code field equals a 1 or 2 then the effective date of the earliest Principal Disbursement completed transaction in the loan disbursement reporting group otherwise blank.
NAICS	Number	The NAICS Industry code from the loan account.

The following fields will be appended to the file if the "Include Additional Fields_YN" parameter is set to a Y.

Major Account Type Code	Alphanumeric	Major Account Type Code
Next Rate Change Date	MM/DD/YYYY	For variable rate accounts, the next date of rate change.
Minimum Rate Change Up	99.9999	For variable rate accounts, minimum rate change to which the current interest rate can be adjusted upward.
Maximum Rate Change Up	99.9999	For variable rate accounts, maximum rate change to which the current interest rate can be adjusted upward.
Minimum Rate Change Down	99.9999	For variable rate accounts, minimum rate change to which the current interest rate can be adjusted downward.
Maximum Rate Change Down	99.9999	For variable rate accounts, maximum rate change to which the current interest rate can be adjusted downward.
Payment Type	Alphanumeric	Payment Type Code

Deposit Information Extract – PS_LMS_DEPOSIT.csv

All Deposit accounts for the status entered are included in the extract.

Field	Format	Description
AcctNumber	99999	Deposit Account Number
Port1	Alphanumeric	<p>Unique identifier. This field will be populated with the Member Number or TIN as identified in the Unique Identifier runtime parameter.</p> <p>When 'TIN' is selected the preceding zeros will be dropped from the number.</p> <p>If 'TIN' is selected, and if Mask Tin Information is set to 'Y', then the TIN will be masked.</p>
Port2	N/A	Blank
AcctDate	MM/DD/YYYY	Date Opened
AcctBalance	999999.99	Current Balance
AcctAvgBalance	999999.99	Quarter to Date Average Collected Balance. Average Collected balance will be calculated using the preceding three months through the current date, if history is available.
AcctAvgLedgerBalance	999999.99	Quarter to Date Average Balance. Average balance will be calculated using the preceding three months through the current date, if history is available.
AcctStatus	Alphanumeric	Status code
AcctType	Alphanumeric	<p>The major account type for the account,</p> <p>0 = Certificate (TD) 1 = DDA 2 = Savings</p>
AcctProdName	Alphanumeric	Current Minor Account Type Code
AcctOD	Numeric	A number indicating the number of days the account is currently overdrawn, if any.
AcctYTD	999999.99	The current year YTD interest posted to the account.
AcctEarnRate	999.99999	Current Deposit account Interest Rate If no data available field will be blank
AcctMatDate	MM/DD/YYYY	Maturity Date If no data available field will be blank
AcctIRACode	Alphanumeric	Retirement Plan Type If no data available field will be blank
AcctPenalty	999999.99	The current year YTD penalties to the account. If there are no penalties, this will be reported as 0.00.

Field	Format	Description
AcctCD	Numeric	A number indicating if the account is a CD or not. This will be derived from major account type. 0 = The account is NOT in the Certificate (TD) major. 1 = The account is in the Certificate (TD) major.
Avg12MBal	999999.99	The twelve month average value for the account. Average balance will be calculated using the preceding twelve months through the current date, if history is available.
TotalDaysOD	Numeric	The value for the account level statistic type # Days Overdrawn (DOD). If the value is in excess of 9999 days, 9999 days will be reported due to the field size limitation listed in the credit analysis software requirements.

Sold Participation Extract – PS_LMS_PARTICIPTION.csv

A comma de-limited file. Header record will be written with the field names.

Field	Format	Description
Note Number	Numeric	Participation agreement number
Core Member Number	Alphanumeric	Unique identifier. This field will be populated with the Member Number or TIN as identified in the Unique Identifier runtime parameter. When 'TIN' is selected the preceding zeros will be dropped from the number. If 'TIN' is selected, and if Mask Tin Information is set to 'Y', then the TIN will be masked.
Current Participation Balance	999999.99	Current participation note balance
Participation	Yes/No	Yes = If Participant Balance exists This field should always be Yes if included in this extract file
To/From Whom	Numeric	Participation Org Number
Percent Sold	999.9999	The portion of the loan account that is owned by this participant. Ex: 100% will be 100.00
Note Number of Main Loan	Numeric	Loan Account Number

Additional Requirements:

- Minimum Oracle Database Version for this Application is 12C.

Important Considerations for Implementing Clients:

Delivery of this functionality as described is dependent on the following:

- If the request includes average balance information, this information will not be accurate until the FI has been live on the system for the time period requested, unless historical balance information has been converted.

Configuration Checklist:

Item	Test Environment	Production Environment
Parameters		
Variables		
Transaction Reporting Group		

Installation:

Note: If you obtained this application from the DNAappstore, please disregard the installation instructions below. If you did not obtain this application from the DNAappstore, please complete the installation instructions below.

- Copy PS_LMS_EXTRACT.SQT to the Batch Process to the PS batch application directory; this is typically G:\OS\BANK\BAT_EXE\PS (or the location specified in the PS Batch Report Directory 'BATP' Institution Option).
- This application requires the running of the script PS_LMS_EXTRACT.sql SQL (Setup Script): Copy this file to any directory accessible to the applicable SQL application (SQL Developer, PL/SQL Developer, etc.) You need to run the setup script to register the application.
- Load PS_LMS_EXTRACT_DDL.sql to the database.
- This application includes custom stored procedures that need to be loaded on the database. As with any stored procedure, please do not load it while the system is in ONLINE mode, or while batch is running. To load the stored procedures please use the Oracle Object Manager in the SAF Resource Kit. The following stored procedures will need to be loaded in the following order:
 - *PACK_PS_COMMON_PACK_WRAP.SQL*
 - *PACK_PS_COMMON_PBOD_WRAP.SQL*
 - *PACK_PS_LMS_PACK_WRAP.SQL*
 - *PACK_PS_LMS_PBOD_WRAP.SQL*

To download Resource Kit: On Extranet: Go to Core SAF → SAF Resource Kit Releases → 'latest release' → Download File. This will install the resource kit.

To run the utilities: Start → All Programs → Open Solutions Resource Kit will open windows explorer showing various utilities. Open OracleObjectManager and launch OSI.SafRk.OracleObjectManager.exe

The SAF Resource Kit tools use Oracle client and therefore should preferably be run from App Server -- or at least from a machine that has Oracle client installed on it.

- This application requires an Authorization Key. After the primary installation instructions have been completed, you must apply the supplied Authorization Key for this application.

To enter the Authorization Key: Go to Services → System → Institution → Applications → Application Manager.

Revisions:

Date	App Version #	Change
06/2020	1.0.0.0	Created EXTN Folder for DNAappstore.
08/2018	1.0.0.0	Added Include Additional Fields_YN parameter
02/2018	1.0.0.0	Documentation update - Added Confidential-Limited Label
12/2017	1.0.0.0	Added support for tax owned loan members
11/2017	1.0.0.0	Added fix for missing members
10/2017	1.0.0.0	Added fix to Participation file putting in Participation balance instead of Current balance
08/2017	1.0.0.0	Added fix in selection of Participants in the Participation file. Also fixed Note file to create only one record when creating Participation file.
08/2017	1.0.0.0	Changed "Required" on Credit Rating (8CRC) and Credit Rating Date (8CRD) parameters to "No"
02/2017	1.0.0.0	Added fix when generating the Participation file
02/2017	1.0.0.0	Added logic for Participation file and excluding Organization Type codes and Person Type codes from Member file
08/2016	1.0.0.0	Removed the dashes from the Note – Core Member Number and from the Deposit – Port 1.
07/2016	1.0.0.0	Modified the Loan extract to get fields at the account level instead of at the product level.
06/2016	1.0.0.0	Restore the Tax Id in the Member Extract
06/2016	1.0.0.0	Added quotes around Name Suffix and Doing Business As fields in Member extract, and Purpose Type field in Note extract
05/2016	1.0.0.0	Optimization
04/2016	1.0.0.0	Added PACK_PS_COMMON_PACK load instructions to docx.
03/2016	1.0.0.0	Modified Loan extract, putting quotes around Narrative Purpose field

03/2016	1.0.0.0	Modified to generate extract for mode Account/Unique Member Nbr whereas the current criteria are Account-Centric and Member-Centric.
02/2016	1.0.0.0	Added Unique Identifier parameter. This parameter will be used to indicate the unique identifier in each of the extracts produced by the application to be populated in the Core Member Number field in the member and note extract and the Port1 field in the deposit extract
02/2016	1.0.0.0	Fixed bug where interest deposits were not being included in average balance calculations.
08/2015	1.0.0.0	Modified to generate extract for Member-Centric whereas the current criteria is Account-Centric
07/2015	1.0.0.0	Added Branch Number, Fixed Email Address