

## SFA-FMS Phase IV Common Origination and Disbursement Business Requirements Matrix

Oracle Applications Business Requirements											
SFA Business Process: COD-FMS											
KEY: (1) Priority - <u>High</u> : System must accomplish, <u>Medium</u> : System should accomplish, <u>Low</u> : Feature not critical; Grayed-out: Not applicable to Phase III											
Requirements										Testing	
Subject	Req #	Requirement Description	Source of Requirement	Current Policy	User(s)	Module	Process Number	Scope	Priority	Scenario Number	Test Script Number
Account Mapping/Interface	COD.1	FMS will provide the ability to translate financial transactions to ACCS using the Account Mapping form for COD.	Account Mapping/Interface			Interface					
Error Checking	COD.3	FMS will validate that the error transaction text is provided for all ER transactions. FMS receives this transaction from GAPS.									
Error Checking	COD.4	FMS will validate that the error code for ER transactions are provided by GAPS.									
Error Checking	COD.5	FMS will validate that the Pay Control # is provided for DD transactions.									
Error Checking	COD.6	FMS will validate that if the participation level is provided that it is equivalent to 1,2, 3, 4 or 5.									
Error Checking	COD.7	FMS will validate that the amount sign is provided in the form of a + or - (alphanumeric) for all transactions excluding the DB and ER transactions.									
Error Checking	COD.8	FMS will validate that the effective date is provided in the COD format: CCYYDDMM for all transactions except for the AL, EX, FA,FE, GR, RA, RB, UB, XE and DA transactions									
Error Checking	COD.9	FMS will validate that if the effective date is provided, that it is in the COD format:CCYYDDMM for FL, OP, PL, and PY transactions.									
Error Checking	COD.10	FMS will validate that the amount (absolute value) is provided and numeric for all transactions excluding the DB and ER transactions.									
Error Checking	COD.11	FMS will validate that the Cohort Year is numeric and in the format CCYY if it is provided.									
Error Checking	COD.12	FMS will generate unique IDs all transactions originating in FMS.									
Error Checking	COD.13	FMS will validate that the Funding Fiscal Year is provided, numeric, and in the format CCYY for all transactions excluding the DB transaction.									
Error Checking	COD.14	FMS will validate that the Budget Fiscal Year is provided, numeric, and in the format CCYY for all transactions excluding the DB transaction.									

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Error Checking	COD.15	FMS will provide the ability to validate that the Transaction ID for each transaction is unique and provided (i.e. two different transactions do not have the same Transaction ID).									
Error Checking	COD.16	FMS will provide the ability to validate that a transaction type is provided for each transaction and includes one of the following: AD, AL, DA, DB, DD, DF, DP, ER, EX, FE, FL, GR, OP, PY, RB, RC, RE, RF,UB, UD, XE, FA, PL, RA. Any other codes will cause an error and will be sent back to COD.									
Error Checking	COD.17	FMS will validate that the program type is provided and is one of the following: DLO, PEL for all transactions.									
Error Checking	COD.18	FMS will validate that the transaction time is provided in the following format HHMMSSNN for all transactions.									
Error Checking	COD.19	FMS will validate that a default value exists for any segment of the ACCS if the transaction is passed missing elements of the ACCS.									
Error Checking	COD.20	FMS will use the Account Mapping form to populate the ACCS for each accounting event.									
Error Checking	COD.21	FMS will validate that the Limitation is provided, valid, and alphanumeric for all PELL transactions except the DB transaction.									
Error Checking	COD.22	FMS will validate that the Award Sequence number is provided, numeric and valid for all transactions excluding the AL transaction.									
Error Checking	COD.23	FMS will validate that the award year is provided, numeric for all transactions and in the following format CCYY.									
Error Checking	COD.24	FMS will validate that the CFDA subpart is alphanumeric, provided and equals K for DLO for all transactions except AL transactions.									
Error Checking	COD.25	FMS will validate that the CFDA subpart is alphanumeric, provided and is one of the following values for PELL: P, J, Q, R except for AL transactions.									

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Subject	Req #	Requirement Description	Source of Requirement	Current Policy	User(s)	Module	Process Number	Scope	Priority	Scenario Number	Test Script Number
Error Checking	COD.26	FMS will validate that the CFDA is provided, is a valid allotment CFDA and is alphanumeric for the AD, AL, DB, DD, DF, ER, RE, and UD transactions.									
Error Checking	COD.28	FMS will validate that the Grantee Institution is provided, numeric and valid for all transactions except AL transactions.									
Error Processing	COD.29	Transaction level data errors (e.g. Invalid ACCS Segments) should be held in interface tables (AP & GL) and not processed into FMS until corrected.	FMS			GL/AP					
Functional	COD.30	FMS will provide the ability to Post Allotment journal entries at the beginning of the Award year.	Future Process Flow		Operations, Systems	GL					
Functionality	COD.31	FMS will provide the ability to crosswalk School ID information (Award ID & Grantee DUNS #) received from COD to an internal School/Vendor layout maintained in Oracle FMS.	Future Process Flow		Operations/ Systems	GL/AP			high		
Functionality	COD.32	FMS will provide the ability for transactions to pass edit screening, then automatically approve and pay (Just in Time payments) or automatically pass to GL as appropriate.	Future Process Flow		Operations	AP/GL					
Functionality	COD.33	FMS will provide the ability to process deobligations (Negative Obligations) to decrease the obligation balance or CCAs for Direct Loans.									
Functionality	COD.34	FMS will provide the ability to process ACA transactions. These transactions represent payments made to schools for partial offset of the institution's cost of administering Pell Grants.									
Functionality	COD.38	FMS will provide the ability to post financial transactions in the SFA FMS GL at summary(school) level.	Future Process flow								
Funds Mgmt	COD.40	Maintain budgetary account balances at the level of detail required to meet program reporting requirements (School/Institution level)			Orig/Disb	GL					
Funds Mgmt	COD.41	FMS will provide the ability to perform funds checking.	FMS								

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General Ledger	COD.43	FMS will provide flexibility to change accounting strings for any transaction or set of transactions.	FMS			GL					
Interface	COD.44	FMS will provide the ability for FMS to send transactions to COD via MQ Series. This will be accomplished through an Oracle staging table outside of FMS. MQ Series will send individual transactions to this staging table and FMS will write information to the staging table every 30 minutes.	COD		Operations	GL, AP, AR					
Interface	COD.47	FMS will provide the ability to receive updates to Common School Ids and school data from COD.	COD								
Interface	COD.48	FMS will provide the ability to receive and process adjustment/reallocation of payment transactions (AD) from GAPS and pass it onto COD.	FMS-COD Transaction layout		Operations	GL, AP			High		
Interface	COD.49	FMS will provide the ability to receive and process allotments (AL) to or from COD.	FMS-COD Transaction layout		Operations	GL, AP			High		
Interface	COD.50	FMS will provide the ability to receive and process substantiated PELL disbursements (EX) from COD. This will be summarized at a school level and sent as it occurs in COD.	FMS-COD Transaction layout		Operations	GL, AP			High		
Interface	COD.51	FMS will provide the ability to receive and process direct loan fees (FE) from COD. This will be summarized at the school level and will be sent as the loan is booked.	FMS-COD Transaction layout		Operations	GL, AP			High		
Interface	COD.52	FMS will provide the ability to receive and process current funding level changes (FL) from COD, post it to the GL and pass them onto GAPS in the form of obligations and direct loan CCA transactions. This will be summarized at a school level and received on an ad hoc basis.	FMS-COD Transaction layout		Operations	GL, AP			High		
Interface	COD.53	FMS will provide ability to receive and process the gross loan amount for booked loans (GR) from COD. This will be summarized at a school level and sent to FMS as it occurs.	FMS-COD Transaction layout		Operations	GL			High		

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Subject	Req #	Requirement Description	Source of Requirement	Current Policy	User(s)	Module	Process Number	Scope	Priority	Scenario Number	Test Script Number
Interface	COD.54	FMS will provide the ability to receive and process payment invoices for Pell ACAs (OP) from COD. FMS will then send obligate and pay transactions to GAPS to cause the payment to occur.	FMS-COD Transaction layout		Operations	GL, AP			High		
Interface	COD.55	FMS will provide the ability to receive and process payment invoices for Direct Loan and Pell (PY) from COD. Includes payments which are obligated with the CFL. After processing in FMS, FMS will send a payment transaction to GAPS. This will be summarized at a school level and sent as it occurs in COD.	FMS-COD Transaction layout		Operations	GL, AP			High		
Interface	COD.56	FMS will provide the ability to receive and process Direct Loan interest rebate for booked loans (RB) from COD. This will be summarized at a school level and sent as it occurs in COD.	FMS-COD Transaction layout		Operations	GL			High		
Interface	COD.57	FMS will provide the ability to receive and process receivables (RC) from COD. This will be summarized at a school level and sent ad hoc.	FMS-COD Transaction layout		Operations	GL, AR			High		
Interface	COD.58	FMS will provide the ability to receive, process and record refunds/returned cash (RF). Refunds to COD begin with an RF transaction from GAPS to FMS. FMS posts the RF transaction and creates another one to send onto COD. An RF transaction from COD is created when a school sends money to COD's lockbox.	FMS-COD Transaction layout		Operations	GL, AP			High		
Interface	COD.59	FMS will provide the ability to receive and process Unbooked loan data (UB) from COD. This data will come summarized by school and sent at the end of each month.	FMS-COD Transaction layout		Operations	GL, AP			High		
Interface	COD.60	FMS will provide the ability to receive and process data on loans rejected by loan servicing (XE) from COD. This will be summarized at a school level and sent on a daily basis.	FMS-COD Transaction layout		Operations	GL			High		
Interface	COD.61	FMS will provide the ability to receive DUNS Number change transactions from GAPS, use the data to update the FMS Vendor tables and pass the data in a DB transaction to COD.	FMS-COD Transaction layout		Operations	GL, AP			High		

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Interface	COD.62	FMS will provide the ability to receive and process adjustment/reallocation of payment transactions (AD) from GAPS and send them to COD. This will be summarized at the school level on a daily basis.	FMS-COD Transaction layout		Operations	GL, AP			High		
Interface	COD.63	FMS will provide the ability to receive drawdown transactions (DD) from GAPS. This will be sent on a daily basis.	FMS-COD Transaction layout		Operations	GL, AP			High		
Interface	COD.64	FMS will provide the ability to send drawdown transactions (DD) received from GAPS to COD that are acknowledgments of a DD transaction processed by GAPS. This will be sent on a daily basis.	FMS-COD Transaction layout		Operations	GL, AP			High		
Interface	COD.65	FMS will provide the ability to accept disbursement offsets (DF). This is cash taken from one program/school year and redistribute it in order to satisfy a receivable. This DF transaction will be received from GAPS, posted in FMS and passed onto COD. This will be summarized at a school level and sent ad hoc.	FMS-COD Transaction layout		Operations	GL, AP			High		
Interface	COD.66	FMS will provide the ability to send an acknowledgements to COD for all transactions sent by COD and processed normally. (Status Code = P)	FMS-COD Transaction layout		Operations				High		
Interface	COD.67	FMS will provide the ability to send error messages (Status Code = F) to COD indicating that an individual COD transaction was received and failed to be processed due to specific errors. These error codes will be sent back to COD with returned error messages.	FMS-COD Transaction layout		Operations				High		
Interface	COD.68	FMS will provide the ability to send returns (RE) of funds from a financial institution to COD. This data is received from GAPS and posted in FMS prior to sending to COD. This will be summarized on a school level and sent on a daily basis.	FMS-COD Transaction layout		Operations	GL			High		

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Interface	COD.69	FMS will provide the ability to receive unprocessed deobligations (UD) from GAPS, post them to the general ledger and send the UD transaction to COD. This will occur on a daily basis throughout the day depending upon GAPS turnaround.	FMS-COD Transaction layout		Operations	GL			High		
Interface	COD.70	FMS will provide the ability to receive and process/post disbursement adjustments (DA) from COD.									
Interface	COD.71	Provide ability in FMS to receive a GAPS error record (GAPS ER transaction), post them to an FMS error table for reporting purposes and pass it thru to COD using the COD/FMS ER format. This will be sent on a daily basis.	FMS-COD Transaction layout		Operations	GL			High		
Interface	COD.72	Ability to update school data (i.e.DUNS #, Grantee Institution #, Payee #, OPEID etc)	Future Process flow								
Interface	COD.73	FMS will provide the ability to prevent updates to any school information except contact information by COD as PEPS will continue to maintain school information.									
Security	COD.74	FMS will record source stamp of transactions (i.e. interface or ID of specific user)	FMS-COD Transaction layout		Operations/ Systems, IG	GL, AR AP			high		
Security	COD.75	FMS will record the time stamp of transactions (i.e. transaction time)	FMS-COD Transaction layout		Operations/ Systems, IG	GL, AR AP			high		
Security	COD.76	FMS will record the date stamp of transactions (i.e. transaction date)	FMS-COD Transaction layout		Operations/ Systems, IG	GL, AR AP			high		
Security	COD.77	FMS will grant several levels of access: COD, PELL, Direct Loans, COD Operations, PELL Operations, Direct Loan Operations an others identified in the future.			Operations/ Systems	GL			high		
Functionality	COD.78	FMS will create transaction Ids with the following characteristics: 1. First Position = 'F' 2. Field is A (alphanumeric) 3. 10 Characters 4. Unique 5. Last 9 characters are alphanumeric									

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Functionality	COD.79	FMS will verify that all blank fields are populated with the appropriate number of spaces/fillers.				Interface					
Functionality	COD.80	FMS will receive errors sent from COD for transactions sent by FMS.									
Functionality	COD.81	FMS will correct errors based on error messages and resend the transactions with the original ID to COD.									
Functionality	COD.82	FMS will receive acknowledgments sent from COD for all transactions sent by FMS and received and processed by COD.				Interface					
Interface	COD.83	FMS will send the participant level (PL) changes transactions to COD after receiving it from GAPS.									
Interface	COD.84	FMS will receive and process/post Rebate Adjustments (RA) transactions.									
Interface	COD.85	FMS will receive and process/post Fee Adjustments (FA) transactions.									
Interface	COD.86	FMS will provide the ability to send error (ER) transactions received from GAPS to COD for individual transactions. These errors will indicate the inability for GAPS to process transactions.				Interface					

