



January Interface Meeting

January 14 – 15, 2015



January Interface Meeting Materials

- January Interface Meeting PowerPoint
- Configuration Values Handout ([link](#))
- Combination Edits Handout ([link](#))
- Agency Reference Codes Handout ([link](#))
- Upload Interface Errors Handout ([link](#))

All meeting materials are posted to the Cardinal Change Network Site:

URL: <https://share.virginia.gov/sites/cardinal/>

Navigation: Agency Readiness > Interface_Meetings > January Interface Meeting



Welcome and Introductions

- Cardinal Interface Team
 - Maggie Rice
 - Kim White
 - Lance Kaeberle
 - Rabbani Shaik
 - Joe McGrath



Agenda

- Update/Current Status
- Interface Timeline & Agency Tasks
- Configuration Values
- Combination Edits
- Payment Terms
- Cardinal Transaction IDs
- Error Processing
- Queries/Reports/Inquiries
- Task 12 – Agency Data Mapping Questions



Update/Current Status

- Complete: Updated the processing rules for signed number fields in AR.30 Funds Receipt Upload, AR.730 Funds Receipt Extract, AP.970 Expense Report Extract, and GL.595 Journal Extract file layout to indicate two digits to the right of the decimal point instead of three
- Complete: Opened Journal ID to 10 digits in GL.600 Journal Upload and GL.595 Journal Extract (previously 8 digits)
- Complete: Confirmed vendor approach with Auditor of Public Accounts
- In Review: Vendor Data Extract (AP962) file layout updates to include EDI usage and eVA registration method
- In Review: Fund Receipts Extract (AR730) file layout and related query update to include transaction source
- In Progress: Defining configuration values for Cardinal system set-up tables
- In Progress: Creating full production Vendor Data Extract file for agency evaluation and analysis
- In Progress: Evaluating potential updates to field lengths in several file layouts



Interface Timeline & Agency Tasks

Cardinal Part 3 Wave 2 Interface Timeline - Design/Build Phase

Task	2015																			
	Jan				Feb				Mar					Apr				May		
	5	12	19	26	2	9	16	23	2	9	16	23	30	6	13	20	27	4	11	18
Cardinal Design Phase																				
Cardinal creates Functional Designs																				
Cardinal creates Technical Designs																				
Agencies complete data mapping (Task #12)																				
Agencies reconfirm their interface selections (Task #10B)																				
Cardinal Build Phase																				
Cardinal builds interfaces																				
Cardinal sends invite to February Interface Meeting																				
Agencies attend Monthly Interface Meetings																				
Agencies design, build and unit test interfaces (Task #28A-F)																				

We are here

	Cardinal/Agency Tasks
	Agency On Site

- Task #10A – Confirm interfaces: 11/12/14 – 11/20/14 **Complete**
- Task #11 – Attend interface workshops: 12/8/14 – 12/18/14 **Complete**
- Task #10B – Reconfirm interfaces: 1/9/15 – 1/23/15 **In Progress**
- Task #12 – Complete data mapping: 12/22/14 – 2/27/15 **In Progress**
- Task #28A-F – Design and Build Interfaces / Update Agency Systems for Cardinal: 2/25/15 – 8/14/15



Configuration Values

- Cardinal interface layouts contain a **Configuration Work Unit Number** (Cfg WUT #) column and a **Valid Values/Defaults** column, which when populated indicate that the field must contain specific values defined by the Cardinal project
- Default - The Cfg WUT # column is N/A and the Valid Values column is populated with a value. The field must be defaulted to the value listed (e.g., Record Type)
- Configuration values included in the file layout - The Cfg WUT # column is populated with a work unit number and the Valid Values/Defaults column lists the valid values for that field (e.g., Deposit Type)
- Configuration values missing in the file layout – The Cfg WUT # column is populated with a work unit number and the Valid Values/Defaults column does not list the valid values for that field (e.g., Deposit Business Unit). Refer to the Configuration Handout for further detail (slide 9)

Cardinal Field Name	Field Type	Field Length	First Position	Last Position	Key Field	Required Field	Cfg WUT#	Valid Values/Defaults	Processing Rules
RECORD_TYPE	Character	3	1	3	Y	Y	N/A	001	This is a method to separate the multiple row types within the interface file
DEPOSIT_BU	Character	5	4	8	Y	Y	CAR002		This identifies the agency business unit or petty cash business unit. This value will be sent by the agencies.
DEPOSIT_TYPE	Character	1	28	28	N	Y	CAR015	Use value of 1 - 8	1 - Cash and Check 2 - Lock Box 3 - Wire-In 4 - Automated Clearinghouse 5 - Credit Card 6 - ZBA Transfers 7 - Bank Credit Memos 8 - Bank Debit Memos



Configuration Values

- Chart of Accounts (COA) Configuration Values
 - Statewide (i.e., Account, Fund, Program, FIPS)
 - Available on Cardinal Website with the exception of Fund. The Cardinal COA team will send a communication once Fund values have been finalized
 - Agency Specific (e.g., Cost Center, Department)
 - Identified by Agencies through Agency Tasks #22A – 25A
- Non-COA Configuration Values
 - Some configuration values are available on file layouts
 - Some configuration values (e.g., Country, Customer ID) have been posted to the Cardinal Change Network Site

* The configuration handout (slide 9) provides a detailed look of all configuration values and where to find them



Configuration Values Handout

- See handout for additional information on availability of configuration values used in Cardinal interfaces ([link](#))

Configuration Work Unit Number (Cfg WUT)	Description	Pending distribution to agencies from Cardinal project?	Notes	Journal Upload	Journal Extract	Funds Receipt Upload	Funds Receipt Extract	Vendor Data Extract	Voucher Upload	Voucher Extract	Expense Report load	Expense Report Extract	Cash Advance Upload	Cash Advance Extract	1099 Extract	Payment Recon Extract	COA Extract	Archives Ledger Extract	Budget Ledger Extract	
1	CGL016	General Ledger (GL) Business Units	No	Business Unit is the agency's number + 00 (e.g., Agency 123's Business Unit is 12300).	x	x	x	x		x	x	x	x	x				x	x	x
2	CAP002	Accounts Payable (AP) Business Units	Yes	Business Unit is the agency's number + 00 (e.g., Agency 123's Business Unit is 12300). Additional AP Business Unit(s) will be provided to agencies that use petty cash and agencies that send payment files directly to Treasury/Bank. Petty cash usage will be confirmed through Agency Task #19. The Cardinal Project will send a communication when these values have been finalized.						x	x					x	x			
3	CAR002	Accounts Receivable (AR) Business Units	Yes	Business Unit is the agency's number + 00 (e.g., Agency 123's Business Unit is 12300). Agencies with petty cash will have additional AR Business Unit(s). Petty cash usage will be confirmed through Agency Task #19. The Cardinal Project will send a communication when these values have been finalized.			x	x												
4	CGL005	Account	No	Information about mapping CARS values to the Cardinal statewide ChartFields (i.e., Account, Fund, Program, FIPS) is available in the below location on the Cardinal website. Statewide Toolbox > Job Aids > General Ledger section > Job Aids > SW_INTRO101_Chart_of_Accounts_(COA)_Mapping http://www.cardinalproject.virginia.gov/Statewide%20Job%20Aids/General_Ledger/SW%20INTRO101%20Chart%20of%20Accounts%20(COA)%20Mapping_rev%2011_17_14.xlsx	x	x	x	x		x	x	x	x		x			x	x	x

This document is posted to the Cardinal Change Network Site:

URL: <https://share.virginia.gov/sites/cardinal/>

Navigation: Agency Readiness > Interface_Meetings > January Interface Meeting > Configuration Values for Interfacing Agencies



Configuration Values: Combination Edits

- Combinations of ChartField values can be edited to determine:
 - which ChartFields are required on a transaction
 - which ChartFields are not allowed based on values entered in other ChartFields
- The use of ChartField Combination Editing helps to maintain data integrity across all modules
- Can impact system performance, maintenance, and operations
- Project team has replicated the key CARS edits where possible using Combination Edits
- Interfaced transactions failing Combination Edits will not be loaded into Cardinal



Combination Edits Handout

- See handout for defined list of statewide ChartField Combination Edits ([link](#))

	A	B	C	D
1	Current Statewide Combination Edits			
2				
3	Combination Rule	Explanation	ChartFields included in the Combo Edit	
4	ACCT_FIPS	Specific Accounts require a FIPS code.	Account FIPS	
5	ACCT_FUND	Account and Fund are required on all transactions.	Account Fund	
6	ACCTACTUAL	Invalid Accounts for the Actuals Ledger	Account Fund	
7	ACCTFNDDPT	Account, Fund, and Department are required on all transactions.	Account Fund Department	
8	ASSETACTFD	Fixed Asset Account - Valid Fund Combination	Account Fund	
9	EXP_PROG	Program is required on all expenditure transactions.	Account Program	
10	INVFDFXXXX	Invalid Funds for Business Unit XXXXX (replace XXXXX with your agency's Business Unit)	Fund Account	
11	IVACCTFUND	Specific Accounts cannot be used with a specific Fund	Account Fund	
12	VACCTFUND	Specific Accounts require specific Fund	Account Fund	
13	FAACS_ACCT	FAACS Programs Require FAACS Accounts	Program Account	
14	FAACS_PROG	FAACS Accounts Require FAACS Programs	Account Program	
15	PGMREQPROJ	Capital Outlay Program Requires Project	Program Project	
16				

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Navigation: Agency Readiness > Interface_Meetings > January Interface Meeting > Statewide ChartField Combination Edits



Payment Terms and Dates

- **What are Cardinal Payment terms?**
 - Payment terms are configuration values that determine how Cardinal calculates the due date of the voucher and whether it will be included in prompt pay reporting
 - Cardinal has 3 payment terms that can be used on vouchers:
 - 00 - Due now
 - 00PP - Due now (Prompt Pay eligible)
 - 30 - NET30 (Prompt Pay eligible)
 - Payment for goods and services and contractual agreements with nongovernmental and privately-owned businesses are subject to prompt pay reporting
- **Voucher Dates** (used in conjunction with the payment terms):
 - **Invoice Date (required):**
 - The date for which the invoice is issued for the goods or service
 - **Invoice Receipt Date (required):**
 - The date for which the invoice is actually received by the agency
 - **Goods & Services Receipt Date (required):**
 - The date for which the goods or service is received
 - **Scheduled Due Date (required except for NET30):**
 - The date the payment is due to the vendor



Payment Terms and Dates

- **Due Date Calculation**

- Payment Term of NET30 = 30 days after the Goods & Services Receipt Date or Invoice Receipt Date, whichever is later
- Payment Terms of 00 or 00PP = Scheduled Due Date is required in the interface with these pay terms
 - Used when due date cannot use the NET30 calculation
 - Payments with Payment Term 00 will NOT be included in prompt pay
 - Payments with Payment Term 00PP will be included in prompt pay



Cardinal Payment Terms Examples

Invoice Date: 1/14/15 (required for all transactions)

Invoice Receipt Date: 1/24/15 (required for all transactions)

Goods & Services Receipt Date: 1/30/15 (required for all transactions)

Invoice Date	Payment Terms	Scheduled Due Date Required?	Invoice Receipt Date	Goods & Services Receipt Date	Scheduled Due Date Provided	Cardinal Scheduled Due Date	CARS Equivalent Trans Code	Prompt Pay Eligible
1/14/15	00	Yes	1/24/15	1/30/15	2/3/15	2/3/15	334	No
1/14/15	00PP	Yes	1/24/15	1/30/15	2/16/15	2/16/15	324	Yes
1/14/15	30	No	1/24/15	1/30/15		3/1/15	324	Yes



Cardinal Transaction IDs

- Unique Transaction IDs are transmitted by agencies in Upload interface files to uniquely identify transactions in Cardinal
 - Voucher Upload: Voucher ID (VOUCHER_ID)
 - Expense Report Upload: Expense Report ID (SHEET_ID)
 - Cash Advance Upload: Cash Advance ID (ADVANCE_ID)
 - Funds Receipt Upload: Deposit Certificate Number (V_DC_TICKET_NBR)
 - Journal Upload: Journal ID (JOURNAL_ID)
- Transaction IDs will be displayed on the error reports generated by Cardinal for transactions that are not able to be loaded into the system
- Transaction IDs can be used to locate the transaction in Cardinal
- Transaction IDs can be used to identify Cardinal transactions in extract files
- Transaction IDs will be sent to CARS



Cardinal Transaction IDs

- **Voucher ID is an eight-digit field and must be unique within an Accounts Payable (AP) Business Unit in Cardinal**

Transaction	Agency System	Cardinal	CARS
Interfaced voucher or online voucher entered by interfacing agency*	Assumes a 7-digit agency system value (e.g., 1234567)	7-digit agency assigned system value (e.g., 1234567)	From Jul-Aug, Cardinal adds an N (i.e., not payable) to the Cardinal ID (e.g., 1234567N)
			From Sep-Jun, Cardinal sends the 7-digit Cardinal ID to CARS (e.g., 1234567)
Online voucher entered by online agency		8-digit auto-generated number by AP BU (e.g., 00000001)	From Jul-Aug, Cardinal removes the first digit and adds an N (i.e., not payable) to the Cardinal ID (e.g., 0000001N)
			From Sep-Jun, Cardinal sends the 8-digit Cardinal ID to CARS (e.g., 00000001)

Note: After CARS is retired, the Voucher ID field will be opened up to eight positions for interfacing agencies

- **Journal ID is a ten-digit field. Journal ID plus journal date must be unique within a General Ledger Business Unit in Cardinal**

Transaction	Agency System	Cardinal	CARS
Interfaced journal or online journal entered by interfacing agency*	Assumes a 10-digit agency system value (e.g., 1234567890)	10-digit agency assigned system value (e.g., 1234567890)	Cardinal removes the first 2 digits and sends the last 8 digits of the Cardinal ID (e.g., 34567890)
Online journal entered by online agency		10-digit auto-generated value by GL BU (e.g., 0000000001)	Cardinal removes the first 2 digits and sends the last 8 digits of the Cardinal ID (e.g., 00000001)

* Cardinal allows an interfacing agency to override the use of "NEXT" for auto-numbering of ID. Agencies can enter their own agency ID number when entering vouchers or journals.

** Red font represents updates to the information previously communicated



Cardinal Transaction IDs

- **Deposit Certificate (DC) number is an eight-digit field and must be unique within an Accounts Receivable (AR) Business Unit in Cardinal**

Transaction	Agency System	Cardinal	CARS
Interfaced Deposit Certificate	Assumes an 8-digit agency system value (e.g., 00123456)	8-digit agency assigned system value (e.g., 00123456)	Cardinal sends the 8-digit value to CARS (e.g., 00123456)
Online Deposit Certificate		8-digit agency assigned system value (e.g., 00234567)	Cardinal sends the 8-digit value to CARS (e.g., 00234567)

Note: Deposits in Cardinal require a Cardinal Deposit ID in addition to the DC number. Cardinal will assign Cardinal Deposit IDs for interfaced deposits. The use of auto-numbered Cardinal Deposit IDs will be used for online and interfaced Deposits.

- **Expense Report ID/Cash Advance ID is a ten-digit field and must be unique throughout the system in Cardinal; the same ID cannot exist in multiple Business Units**

Transaction	Agency System	Cardinal	CARS
Interfaced Expense Report/Cash Advance	Assumes a 7-digit agency system value (e.g., 1234567)	3-digit agency reference code plus the 7-digit agency assigned system value (e.g., ITA1234567) <i>ITA = VITA</i>	From Jul-Aug, Cardinal removes the 3-digit agency reference code and adds an N (i.e., not payable) to the 7-digit agency assigned system value (e.g., 1234567N)
			From Sep-Jun, Cardinal removes the first 2 digits of the agency reference code and sends the 8-digit agency assigned system value to CARS (e.g., A1234567)
Online Expense Report/Cash Advance		10-digit auto-generated value across the system (e.g., 0000016789)	From Jul-Aug, Cardinal removes the first 3 digits and adds an N (i.e., not payable) (e.g., 0016789N)
			From Sep-Jun, Cardinal removes the first 2 digits (e.g., 00016789)

** Red font represents updates to the information previously communicated



Agency Reference Codes Handout

- See handout for the list of assigned 3-digit agency reference codes to prefix all Expense Report ID's and Cash Advance ID's ([link](#))

Agency Number	Agency Name	Agency Reference Codes
10300	Magistrate System	MAG
11100	Supreme Court	SUP
11200	Judicial Inquiry and Review Commission	JIR
11300	Circuit Courts	CCV
11400	General District Courts	GDC
11500	Juvenile and Domestic Relations District Courts	JDR
11600	Combined District Courts	CDC
11700	Virginia State Bar	VSB
12300	Department of Military Affairs	DMA

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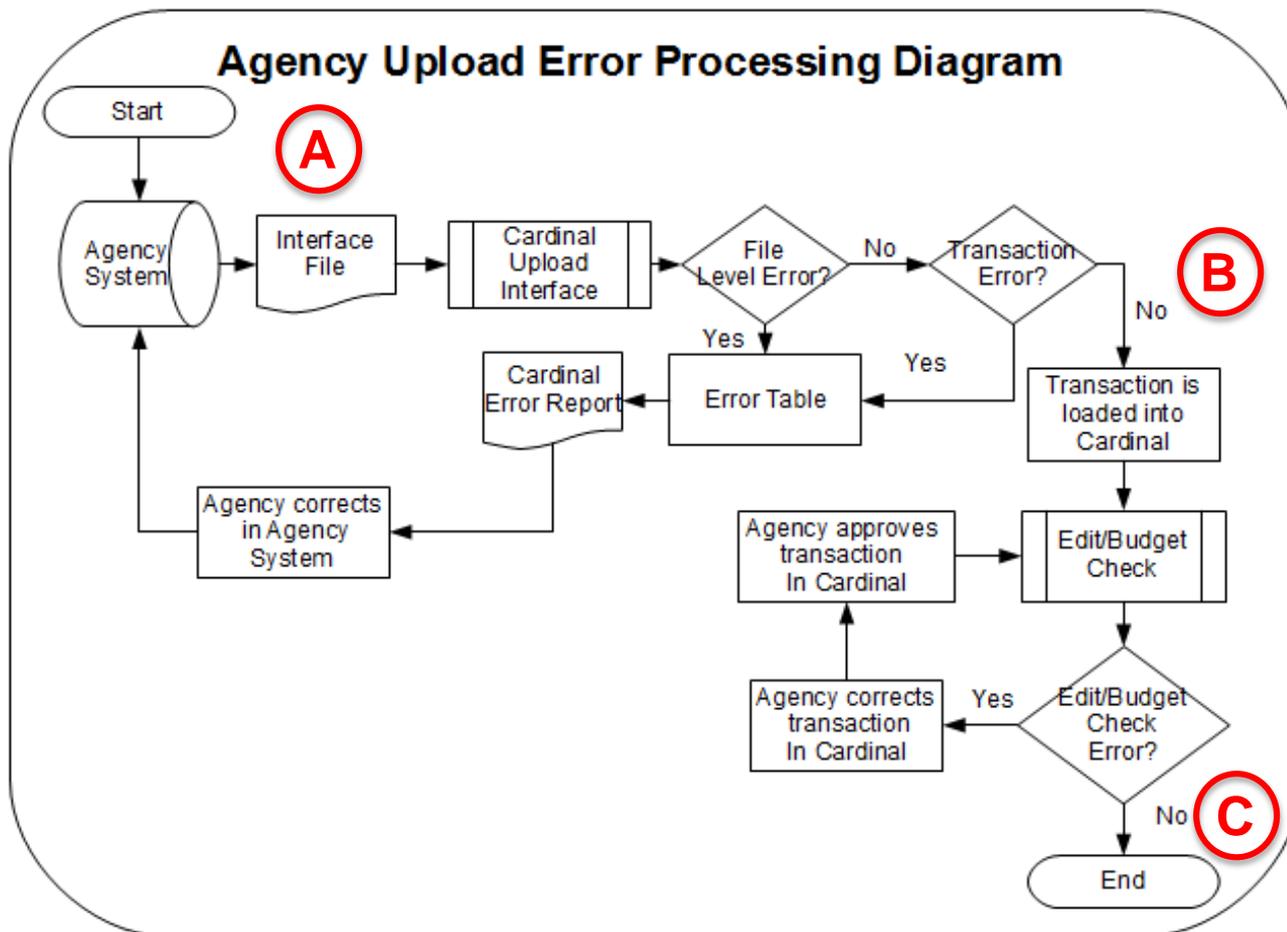
URL: <https://share.virginia.gov/sites/cardinal/>

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Upload Interfaces: Error Processing Diagram

The following three slides will walk through error handling of transactions during the initial upload (between points A and B). These transactions are rejected by Cardinal and need to be resubmitted by agencies



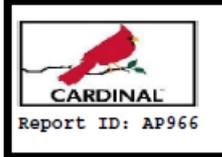


Upload Interfaces: Error Processing

- Upload files received from agencies that do not align with the Cardinal interface file layouts will result in errors
 - File Level Errors: The **file** is not able to be processed by Cardinal and is rejected. The **file** must be corrected and re-sent to Cardinal the next night
 - Transaction Errors: The file is successfully recognized and processed by Cardinal but individual **transactions** have errors. The **transactions** must be corrected and re-sent to Cardinal in the next nightly file(s)
 - Errors will be displayed on an error report that will be run for agencies automatically each night for each upload interface
 - Error reports are available for viewing online in Cardinal in PDF format. Agencies are responsible for logging into Cardinal to view the error reports



Upload Interfaces: Sample Error Report



Commonwealth of Virginia
VOUCHER UPLOAD ERROR REPORT

Run Date: 12/18/2014
Run Time: 08:27 00

Report ID: AP966

Page No. 1 of 1

Transactional GL BU: 13600
Upload Date Range: 18-DEC-2014 to 18-DEC-2014

File Name: 13600_AP964_IN_12182014_1152_001.DAT
Upload Date: 18-DEC-2014

File Rejected: The agency voucher file has one or more errors.

File Name: 13600_AP964_IN_12182014_1152_002.DAT
Upload Date: 18-DEC-2014

No Vendor Errors Found.

Total Vendors Submitted: 0
Total Vendors with Errors: 0
Total Vendors loaded Successfully: 0

Voucher BU: 13600

Agency Voucher ID	Voucher Line Num	Distrib Line Num	Error Field Name	Field Value	Error Description
1365002	1	1	FUND_CODE	INVFD13600	Combo error for fields: Fund/Account in group: INVFD13600
1365003	1	1	FUND_CODE	02000	ChartField error for: 02000, Field Name: Fund, Prompt Table: FUND_TBL

Total Vouchers Submitted: 3
Total Vouchers with Errors: 2
Total Vouchers loaded Successfully: 1

File level error - entire file rejected due to one or more errors in the file

Transaction level error – two out of the three vouchers contained errors. Voucher ID 1365002 failed due to a combo edit error. Voucher ID 1365003 failed due to an invalid fund code



Upload Interfaces: Interface Errors Handout

- See handout for the list of errors for upload interfaces ([link](#))

Generic Errors (Apply To All Agency Upload Interfaces)			
#	Error	Example	Outcome
1	Invalid file name: BUSINESS_UNIT is either invalid or not in the correct location in the filename	<p>The file will not be processed. These files will remain on the server. The Cardinal team will notify the agency. Agency corrects and re-submits the file to Cardinal.</p> <p>Note: If the file name does not meet the file naming standards (e.g., BUSINESS_UNIT and the Date Time portions are missing from correct locations in file name), the interface process will not recognize the file and subsequently not be able to process the file</p>	File rejected
2	Invalid file name: BUSINESS_UNIT valid and in the correct location in the filename	This scenario could occur if the BUSINESS_UNIT value in the filename is correct and corresponds with the run control parameters selected, but some other portion of the file naming did not adhere to the standards (e.g., date, time, direction (IN vs. OUT), missing sequence number, file extension not ".DAT", etc.)	File rejected
3	File with same file name has already been processed by Cardinal	Agency sends a file name which has already been processed by Cardinal	File rejected
4	Empty file	Agency sends a file which is completely blank. Or, the agency sends a file which contains only a control row (000) and a trailer row (999) and the row count in the trailer row is not 2 and/or the transaction count is not 0 and/or the total amount is not 0	File rejected

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Upload Interfaces: Interface Errors Handout

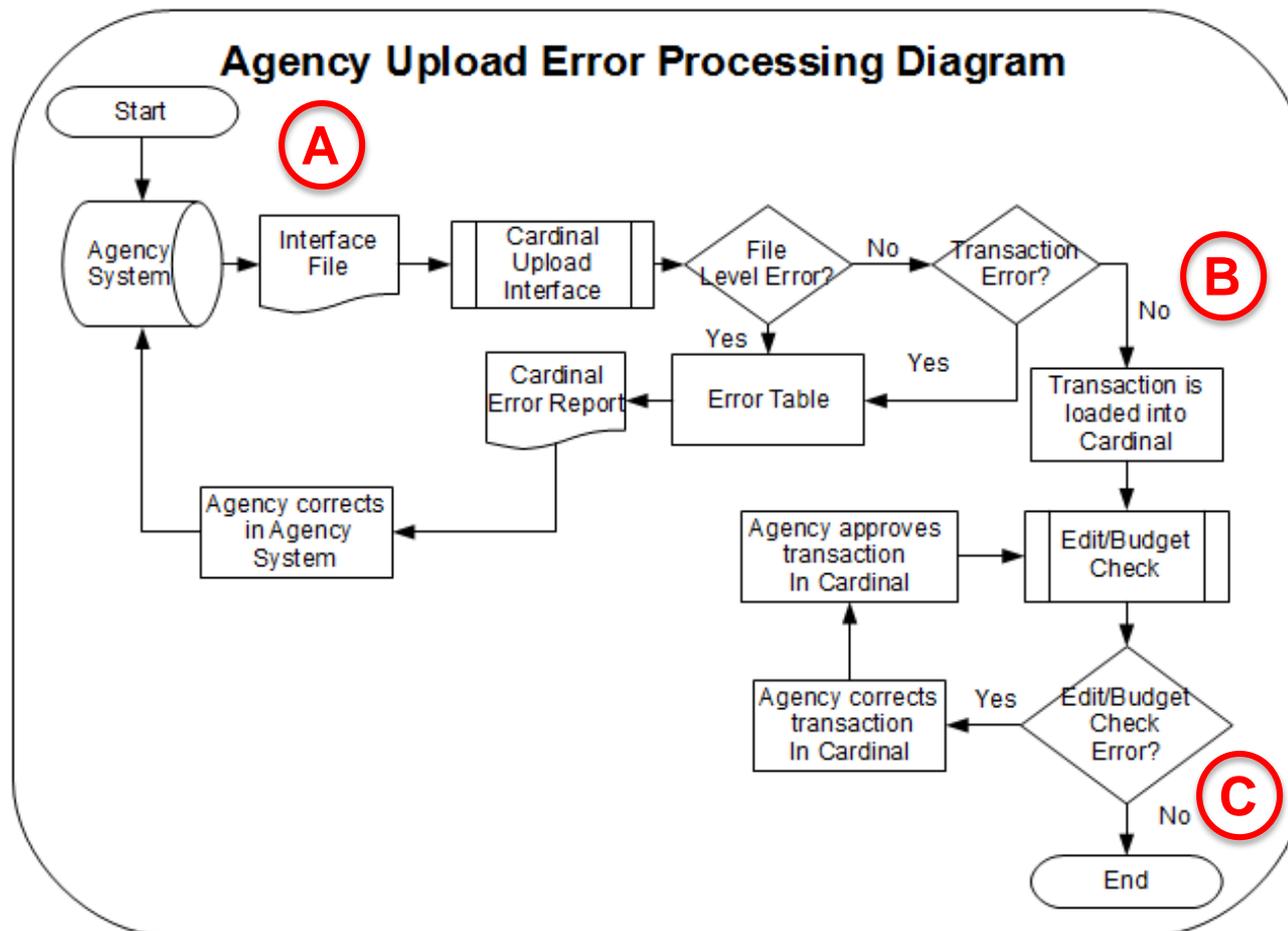
- See handout for the list of errors for upload interfaces ([link](#))

Generic Errors (Apply To All Agency Upload Interfaces)			
#	Error	Example	Outcome
12	Missing required field	Agency sends blank data for required fields	Transaction rejected
13	Field not in required format	Agency sends an invalid format for the fields	Transaction rejected
14	Invalid field value compared with configuration/prompt table or use of a field value that is "Inactive"	Agency provides a Department value that does not exist in Cardinal	Transaction rejected
15	Transaction has missing required record(s) in interface file	Agency file contains a header record with no matching lines	Transaction rejected



Upload Interfaces: Error Processing Diagram

The next three slides will walk through error handling of transactions after they have been successfully loaded into Cardinal (between points B and C). These transactions need to be corrected in Cardinal before they can be processed further





Upload Interfaces: Budget Check Error Processing

- After a transaction is loaded in Cardinal, it will need to be edit/budget checked
 - Transactions that fail edit/budget check may need to be corrected **online** in Cardinal
 - Agencies would know a transaction has failed edit/budget check by either:
 - 1) Receiving an extract file from Cardinal and identifying a missing transaction. Transactions that fail edit/budget check will not be posted to the GL module until they have been manually corrected and approved online in Cardinal
 - 2) Performing a similar reconciliation analysis with queries/reports that mimic the extract
 - 3) Using Cardinal inquiry pages to search for transactions with edit/budget errors



Upload Interfaces: Budget Check Error

CARDINAL™

Favorites | Main Menu > General Ledger > Journals > Journal Entry > Create/Update Journal Entries

Find an Existing Value | Add a New Value

Maximum number of rows to return (up to 300):

Business Unit: =

Journal ID: begins with

Journal Date: =

Document Sequence Number: begins with

Line Business Unit: =

Journal Header Status: =

Budget Checking Header Status: =

Source: =

User ID: begins with

Attachment Exist: =

Case Sensitive

[Basic Search](#) [Save Search Criteria](#)

Search Results

View All

Business Unit	Journal ID	Journal Date	UnPost Sequence	Document Sequence Number	Line Business Unit	Journal Header Status	Budget Checking Header Status	Ledger Group
75600	0000052372	10/31/2014	0	(blank)	75600	Valid	Error	ACTUALS
75600	0000052373	10/31/2014	0	(blank)	75600	Valid	Error	ACTUALS



Upload Interfaces: Approval Workflow Overview

- Interfaced transactions are assumed to have been approved in the agency's system and do not require approval in Cardinal (with the exception of cash advances, which always require approval in Cardinal before they can be processed further)
- Interfaced transactions edited online will require approval in Cardinal before the transaction can be processed further
 - For example, interfaced transactions that fail budget check will require approval in Cardinal if the coding to the transaction is corrected online
 - Once a voucher, journal, or expense report transaction has been edited online, the transaction would appear in the appropriate employee worklist to indicate additional approval is required
 - For funds receipts, approvers must navigate directly to the approval page (AR does not utilize workflow/worklist functionality)



Queries/Reports/Inquiries

- The Reports Catalogue contains a list of available queries, reports, and inquiries available in Cardinal. It can be found on the [Cardinal website](#) at the following navigation:
 - Statewide Toolbox > Job Aids > Navigation, Reporting and Approvals section > [Reports Catalogue](#)

Extract Interface	Related Query/Report/Inquiry
AP.962 Vendor Data Extract	Review Vendor Inquiry (No vendor query/report is in scope due to the amount of vendor information)
AP.965 Voucher Data Extract	AP – Posted Voucher Extract Query
AP.969 Cash Advance Extract	AP – Posted Cash Advance Extract Query
AP.970 Expense Report Extract	AP – Posted Expense Report Extract Query
AP.705 Payment Recon Extract	AP – Posted Payments Extract Report
AP.973 1099 Extract	Post Production Support team is developing several queries to assist with 1099 reporting
AR. 730 Funds Receipt Extract	AR – Posted Deposit Extract Query
GL.595 Journal Extract	GL - GL COA Journal Query
GL.102A COA Extract	GL - Accounts Query
	GL-SS - Valid Funds Query
	GL-SS - Chartfield 2 - Program Codes Query
	GL - Department Codes Query
	GL – Valid Appropriations - Display FIPS Codes Query
	GL – FIN0012_VALID_PRODUCT_CODES (Task) Query
	GL – FIN0037_CHARTFIELD1 (Cost Center) Query
	GL – FIN0032_OPERATING_UNITS (Asset) Query
	GL – FIN0039_CHARTFIELD3 (Agency Use 1) Query
	GL - Valid Project IDs Query
GL-SS - Budget Reference Query (Agency Use 2)	
GL.288A Actuals Extract	GL – GL Transaction Report
GL.288B Budget Extract	Post Production Support team is developing a query related to the GL.288B Budget Extract



Task #12 – Agency Data Mapping

- Any Issues/Questions/Concerns regarding Task #12 – Agency Data Mapping
- Task Due Date: 2/27/15



Contact Information

Your agency is encouraged to visit the Cardinal website for additional information about the project. The website can be found at: <http://www.cardinalproject.virginia.gov>

Please e-mail any general Cardinal project questions you have to the following e-mail address: ProjectCardinal@doa.virginia.gov

Please e-mail any Interface questions you have to the following e-mail address:

Cardinal.Interfaces@doa.virginia.gov



Questions

