

# CalSAWS

California Statewide Automated Welfare System

## **Design Document**

CA-207451 | DDID-452

Update CW 2200 – Request for Verification

CalSAWS	DOCUMENT APPROVAL HISTORY	
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	Reviewed By	Amy Gill

DATE	DOCUMENT VERSION	REVISION DESCRIPTION	AUTHOR
10/29/2019	1.0	Initial revision	Lawrence Samy
12/19/2019	1.1	Removed appointment section from CW 2200 for Los Angeles County	Lawrence Samy
08/20/2020	1.2	Minor additions and corrections	Rainier Dela Cruz
09/24/2020	1.3	Removed BRM address from the CW 2200.	Rainier Dela Cruz
09/28/2020	1.4	Updates based on deliverable comments.	Rainier Dela Cruz
11/02/2020	1.5	Added a clarification on the program checkboxes	Rainier Dela Cruz
11/03/2020	1.6	Content revision to removed Cambodian and Lao languages.	Rainier Dela Cruz
11/18/2020	1.7	Reverting the clarification made on the program checkboxes as it was incorrect. Reverted it back to its original verbiage.	Rainier Dela Cruz
12/01/2020	1.8	Updated assumption #1a to state the correct form number for the generic appointment letter (CSF 156).	Rainier Dela Cruz

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# 1 OVERVIEW

The C-IV CW 2200 Request for Verification form along with its functionality will be migrated into LRS/CalSAWS and merged with some elements from the existing LRS/CalSAWS CW 2200.

## 1.1 Current Design

The CW 2200 is used to request needed verifications from customers. The form pre-populates with pending verifications selected by the user on the Verification List page. The key differences between C-IV and LRS/CalSAWS are listed below:

C-IV:

1. The Verifications table is a repeating table. Each verification selected on the "Verification List" page will populate on the CW 2200 and will be a separate data row in the table.
2. The Item cell of the Verifications table concatenates the Type and Description of the verification and populates it in the cell.
3. Each pre-populated data row expands to fit the contents of the concatenated value described in #2.

Due Date	Item #	Item	Person	Program	Check (✓) the box that applies to you
08/15/2019		Employment Information - W2 and copy of tax return for last year or 2 most recent pay stubs.	Four, Mom	<input type="checkbox"/> CW <input type="checkbox"/> RCA <input type="checkbox"/> CF <input type="checkbox"/> MC <input type="checkbox"/> GA/GR <input type="checkbox"/> CAPI	<input type="checkbox"/> I don't have the proof. <input type="checkbox"/> I tried but can't get the proof. <input type="checkbox"/> I know somebody who can verify this information. <input type="checkbox"/> I have filled out the Release form to get help.
08/19/2019		School Attendance - Proof of enrollment for current semester	Four, Mom	<input type="checkbox"/> CW <input type="checkbox"/> RCA <input type="checkbox"/> CF <input type="checkbox"/> MC <input type="checkbox"/> GA/GR <input type="checkbox"/> CAPI	<input type="checkbox"/> I don't have the proof. <input type="checkbox"/> I tried but can't get the proof. <input type="checkbox"/> I know somebody who can verify this information. <input type="checkbox"/> I have filled out the Release form to get help.
08/19/2019		Motor Vehicle Registration - Registration, insurance, and copies of financial agreements for all vehicles in the home. You informed us of: 1992 Pontiac Firebird 1987 Honda CR-X 2002 Toyota Corolla Motor Home	Four, Mom	<input type="checkbox"/> CW <input type="checkbox"/> RCA <input type="checkbox"/> CF <input type="checkbox"/> MC <input type="checkbox"/> GA/GR <input type="checkbox"/> CAPI	<input type="checkbox"/> I don't have the proof. <input type="checkbox"/> I tried but can't get the proof. <input type="checkbox"/> I know somebody who can verify this information. <input type="checkbox"/> I have filled out the Release form to get help.

**Figure 1.1.1 – C-IV CW 2200 Verification Table Example**

4. If the Medi-Cal program is selected from the "Document Parameters" page when generating the CW 2200, the checkbox labeled "I have filled out the Release of Information" and the "Authorization for Release of Information" will not display. The bullet point labelled "If you need the county to help get the proof, fill out the 'Authorization for Release of Information' form and return it to the county." Is replaced with "Please contact your worker if you need assistance in obtaining proof."

- The "Verification List" page in C-IV allows 55 verifications to be selected. A standard #10 outbound envelope allows for 20 impressions (10 physical pieces of paper). The number of verifications populated on the CW 2200 is limited by the number of impressions. If verification population causes the form to become 20 pages, the "Types of Verification/Sources of Proof" and "Authorization for Release of Information" sections will not display.

LRS/CalSAWS:

- The verifications selected from the "Verification List" page are listed within a single data row. The type of verification is listed in the Item cell. If multiple verifications are selected, they are listed as individual line items within the single row of the verifications table.
- A maximum of 19 verifications will print on the CW 2200. If a verification uses more than one line in the Item data cell, the maximum will decrease by one.
- The program checkboxes are checked based on which programs are Active or Pending on the case.

Due Date	Item #	Item	Person	Program	Check (✓) the box that applies to you
09/20/2019	1	Motor Vehicle	Mom Four	<input checked="" type="checkbox"/> CW	<input type="checkbox"/> I don't have the proof
09/22/2019	2	Employment Information	Mom Four	<input type="checkbox"/> RCA	<input type="checkbox"/> I tried but can't get the proof
09/30/2019	3	School Attendance	Mom Four	<input checked="" type="checkbox"/> CF	<input type="checkbox"/> I know somebody who can verify this information
				<input type="checkbox"/> MC	<input type="checkbox"/> I have filled out the Release form to get help
				<input type="checkbox"/> GR/GA	
				<input type="checkbox"/> CAPI	

**Figure 1.1.2 - LRS CW 2200 Verification Table Example**

- There is an Appointment section above the Verification table on the LRS CW 2200.
  - When the user selects "Appointment" from the "Verification List" page, they are taken to the "Customer Appointment Detail" page to create an appointment. If the user checks the "Print Appointment Letter" checkbox, the Document Parameters page will come up to generate the CW 2200 when the appointment is saved.

You have an appointment on 09/01/2019 at 10:00 AM to see an Eligibility Worker at:  
 District Name and Address

**Figure 1.1.3 - LRS CW 2200 Appointment Section**

- b. The verifications selected from the "Verification List" page will be pre-populated on the form. If no verifications are selected, all pending verifications will pre-populate on the CW 2200 as described in #2, above.

## 1.2 Requests

Migrate the C-IV version of the CW 2200 into LRS/CalSAWS with the following modifications:

1. Migrate the C-IV dynamic functionality for when the form is generated for Medi-Cal. The checkbox labeled "I have filled out the Release of Information" and the "Authorization for Release of Information" will not display when the CW 2200 is generated for Medi-Cal. The bullet "If you need the county to help get the proof, fill out the "Authorization for Release of Information" form and return it to the county." will be replaced with "Please contact your worker if you need assistance in obtaining proof."
2. The fields in the body of the CW 2200 will be unlocked and editable – even when pre-populated.
3. Additional information will populate in the Item field of the Verification table.

## 1.3 Overview of Recommendations

1. Migrate the C-IV CW 2200 into LRS/CalSAWS.
2. Migrate the C-IV functionality for when Medi-Cal is selected from the program dropdown on the "Document Parameters" page.
3. Make the fields of the CW 2200 editable, even though the field is pre-populated.
4. Update the pre-population logic for the Item field of the Verification table.

## 1.4 Assumptions

1. Changes will be made to appointment functionality with this update.
  - a. Los Angeles County will not generate the CW 2200 from the Customer Appointment Detail page when the Print Appointment Letter checkbox is checked, and the appointment is saved. The new generic appointment letter, CSF 156 form, is being added with CA-212469 scheduled for the same release as this SCR.
  - b. The 57 migration counties will generate the CSF 105 – Appointment Letter – from the Customer Appointment Detail page when the Print Appointment Letter checkbox is checked, and the appointment is saved.
  - c. With CA-207368 (DDID 1198), the generate form button on the Verification List page will be updated to allow the user the option to generate CW 2200 or CSF 103 (Verification Request List) form.
2. No changes to Data Collection pages or "Verification List" page will be made.
3. The BRM address will be added with SCR CA-220106.
4. The Cambodian and Lao languages will be implemented with CA-220106.
5. No updates will be made to the Your Benefits Now (YNB) functionality for the CW 2200.



## 2 RECOMMENDATIONS

### 2.1 CW 2200 – Request for Verification

#### 2.1.1 Overview

The CW 2200 is used to request needed verifications from customers. The form prepopulates with pending verifications selected by the user on the Verification List page.

#### 2.1.2 Description of Change

1. Migrate the C-IV version of CW 2200 into CalSAWS.

**Form Number:** CW 2200 (6/19)

**Form Name:** Request for Verification

**Form Header:** CalSAWS Standard Header

**Form Footer:** CalSAWS Standard Footer

**Programs:** All

**Forms Category:** Form

**Languages:** Arabic, Armenian, **Cambodian**, Chinese, English, Farsi, Hmong, Korean, **Lee**, Mandarin (Chinese), Other Chinese Language, Russian, Spanish, Tagalog/Filipino, and Vietnamese.

**Note:** One translation is provided to support the three Chinese threshold languages: Cantonese, Chinese, and Mandarin.

**Mockup:** Please refer to **Section 3.0 Supporting Document #1**

- a. The CW 2200 will have the following barcodes:

Tracking Barcode	BRM Barcode	Imaging Barcode
N	N	Y

- b. The CW 2200 will have the following mailing option:

Mailing Options	Option for CW 2200
Mail-To (Recipient)	The individual selected on the 'Customer Name' dropdown on the "Document Parameters" page.
Mailed From (Return)	Worker's Office/District Office Address
Mail-back-to Address	N/A

Mailing Options	Option for CW 2200
Outgoing Envelope Type	Standard
Return Envelope Type	N/A
Special Paper Stock	N/A

2. Update the CW 2200 to do the following when Medi-Cal is selected from the program dropdown on the "Document Parameters" page:
  - a. Hide the checkbox and text "I have filled out the Release form to get help."
  - b. Hide the bullet and text which reads "If you need the county to help get the proof, fill out the 'Authorization for Release of Information' form and return it to the county."
  - c. Display the bullet and text which reads "Please contact your worker if you need assistance in obtaining proof" in place of the bullet in the recommendation above.
  - d. Hide the "Authorization for Release of Information" section.

**Note:** When a program other than Medi-Cal is selected from the program dropdown on the "Document Parameters" page, the elements in a, b, and d above will show. The element in c will not show.

3. Migrate the C-IV functionality of creating a new row in the Verification table for each pending verification populated on the CW 2200.
4. Migrate the C-IV functionality of growing the data row vertically in order to accommodate the text prepopulated in the Item cell of the Verification table.

**Note:** This will only happen for pre-populated data cells. The system is unable to expand the cell in real time based on entries typed directly into the table on the form.

5. CW 2200 form will be pre-populated with the following information:

Section	Field	Description
<b>CW 2200 Page 3</b>	You have asked for – Programs Checkbox	All Active and Pending programs in the case.
<b>CW 2200 Page 3</b>	Due Date	VERIF.DUE_DATE will be populated in MM/DD/YYYY format
<b>CW 2200 Page 3</b>	Item #	Will be populated with the Verification Type Item numbers. For Verifications Type to Item number mapping please see below <b>CW 2200 Item # Field Mappings Table #1</b> . For example, if the Verification Type is "Country of Birth" then

Section	Field	Description
		the Item # will be populated with 1 as per Table 1 below.
<b>CW 2200 Page 3</b>	Item	<p>1) "Verification Type – Verification Description" - Will be populated with Verification Type followed by a hyphen "- ", then Verification Description from the Verification Detail page. Verification Description is currently being populated in the C-IV CW 2200 and will be migrated into CalSAWS CW 2200.</p> <p>2) "Verification Type – Source Name – Verification Description" - Will be populated for specific verification types. Please refer to <b>CW 2200 Verification Source Mapping Table #2</b> below for more information.</p> <p>NOTE: All pre-population for Spanish forms will be in Spanish except for Verification Description, which will be the user entered value from the Verification Detail page.</p> <p>For English and all threshold languages, pre-population will be in English like current CalSAWS functionality.</p>
<b>CW 2200 Page 3</b>	Person	Person Name from PERS table
<b>CW 2200 Page 3</b>	Program	All Active and Pending programs in the case and if the verification due date is greater than the current date. Otherwise, the it will not be checked.
<b>CW 2200 Page 3</b>	Check (✓) the box that applies to you	Will be blank and editable

**CW 2200 Item # Field Mappings Table #1:**

Section	Verifications Type	Item #
<b>CW 2200 Item # Field Mapping</b>	<ol style="list-style-type: none"> <li>1. Country of Birth</li> <li>2. Vital Statistics US Citizenship</li> </ol>	1
<b>CW 2200 Item # Field Mapping</b>	<ol style="list-style-type: none"> <li>1. Apply for Unconditionally Available Income</li> <li>2. Child Care - Monthly Income</li> <li>3. Employment Information</li> <li>4. GR Work Requirement - EDD</li> <li>5. GR Work Requirement - UIB</li> <li>6. Income</li> <li>7. Other Program Assistance</li> <li>8. Self-Employment Expense</li> <li>9. Termination Reason</li> <li>10. Transferred Income</li> <li>11. Unemployment Deprivation</li> </ol>	2
<b>CW 2200 Item # Field Mapping</b>	<ol style="list-style-type: none"> <li>1. 40 Quarters of Work</li> <li>2. Battered Non-Citizen</li> <li>3. Hmong/Lao Documentation</li> <li>4. Lawful Presence</li> <li>5. Sponsor Abuse</li> <li>6. Sponsored Non-Citizen</li> <li>7. USCIS Document</li> <li>8. Visa/VAWA Application</li> </ol>	3
<b>CW 2200 Item # Field Mapping</b>	<ol style="list-style-type: none"> <li>1. Liquid Property</li> <li>2. Motor Vehicle</li> <li>3. Motor Vehicle Encumbrance</li> <li>4. Personal Property</li> <li>5. Real Property</li> <li>6. Real Property List and Lien</li> <li>7. Transferred Property</li> </ol>	4
<b>CW 2200 Item # Field Mapping</b>	<ol style="list-style-type: none"> <li>1. Active Duty</li> <li>2. Child Care - IEP/IFSP</li> <li>3. Expected Return Date</li> <li>4. Homeless Exception</li> <li>5. Incarceration</li> <li>6. Military Service</li> <li>7. Parent's Refusal to apply for a Child 18-21</li> <li>8. School Attendance</li> </ol>	5

Section	Verifications Type	Item #
	9. School Attendance Employment and Training 10. School End Date 11. School Expected Completion Date 12. WTW Orientation	
<b>CW 2200 Item # Field Mapping</b>	1. ATIN/ITIN 2. Name/Identity 3. SSN 4. Vital Statistics 5. Vital Statistics Identity	6
<b>CW 2200 Item # Field Mapping</b>	1. Date of Birth 2. Date of Death 3. Legal Guardianship 4. Relationship 5. Roomer/Boarder	7
<b>CW 2200 Item # Field Mapping</b>	1. Expense Amount 2. Utility Expense	8
<b>CW 2200 Item # Field Mapping</b>	1. Residence	9
<b>CW 2200 Item # Field Mapping</b>	1. Other Health Care Coverage 2. Special Need	10
<b>CW 2200 Item # Field Mapping</b>	1. MEDS Minimal Essential Coverage 2. Medical Condition 3. Medicare Information 4. Pregnancy 5. Third Party Liability	11
<b>CW 2200 Item # Field Mapping</b>	1. Immunizations	12

**CW 2200 Verification Source Mapping Table #2:**

Section	Verification Type	Verification Source
<b>CW 2200 Verification Source Mapping</b>	1. School Expected Completion Date 2. School End Date 3. School Attendance	Will be populated with the school name for these verification types. For example, for Verification type School End Date, the field will be populated with "School End Date – School Name – Verification Description"

Section	Verification Type	Verification Source
		VERIF.SCHL_ATTEND_ID, SCHL_ATTEND.ORG_ID to populate the School Name
<b>CW 2200 Verification Source Mapping</b>	1. Income	The field will be populated along with the Income Type. For example, for Verification type Income, the field will be populated with "Income – Income Type (Employer Name) – Verification Description"  CT_186 Decoded value of Income Type from INC.TYPE_CODE.  Note: Employer Name (EMP.EMP_NAME) – If entered
<b>CW 2200 Verification Source Mapping</b>	1. Liquid Property 2. Motor Vehicle 3. Personal Property 4. Real Property	The field will be populated along with the Property Type. For example, for Verification type Motor Vehicle, the field will be populated with "Motor Vehicle – Property Type – Verification Description"  CT_208 decoded value of Property Type from PROP.TYPE_CODE
<b>CW 2200 Verification Source Mapping</b>	1. Special Need	The field will be populated along with the Special Need Type. For example, for Verification type Special Need, the field will be populated with "Special Need – Special Need Type – Verification Description"  CT_200 decoded value of Property Type from SPEC_NEED.TYPE_CODE
<b>CW 2200 Verification Source Mapping</b>	1. Employment Information	The field will be populated along with the Employer Name. For example, for Verification type Employment Information, the field will be populated with "Employment

Section	Verification Type	Verification Source
		Information – Employer Name – Verification Description”  EMP.EMP_NAME
<b>CW 2200 Verification Source Mapping</b>	1. Other Program Assistance	The field will be populated along with the Program Name. For example, for Verification type Other Program Assistance, the field will be populated with “Other Program Assistance – Program Name – Verification Description”  CT_18 decoded value of Property Type from OTHER_PGM_ASSIST.PGM_CODE
<b>CW 2200 Verification Source Mapping</b>	1. Expense Amount	The field will be populated along with the Expense Type. For example, for Verification type Expense Amount, the field will be populated with “Expense Amount – Expense Type – Verification Description”  CT_198 decoded value of Expense Type from EXPN.TYPE_CODE

### 3 SUPPORTING DOCUMENTS

Number	Functional Area	Description	Attachment
1	Client Correspondence	CW 2200 Mockup	CW2200_EN.pdf CW2200_SP.pdf CW2200_VI.pdf CW2200_RU.pdf CW2200_FA.pdf CW2200_FI.pdf CW2200_AR.pdf CW2200_AE.pdf CW2200_CA.pdf CW2200_CN.pdf

			CW2200_HM.pdf CW2200_KO.pdf CW2200_LA.pdf
2	Client Correspondence	CW 2200 CT170 Spanish Translations	CW 2200 Spanish Translations.xlsx

## 4 REQUIREMENTS

### 4.1 Migration Requirements

DDID #	REQUIREMENT TEXT	Contractor Assumptions	How Requirement Met
452	<p><b>Original:</b></p> <p>The CONTRACTOR shall migrate form CW 2200 (12/14)-Request for Verification with the following updates:</p> <ol style="list-style-type: none"> <li>1) The following sentence will be added to the form "You have an appointment on at to see an Eligibility Worker at:". The sentence shall display for Los Angeles County. The display of the sentence for the 57 counties shall be configurable</li> <li>2) Migrate the C-IV dynamic functionality of making the checkbox labelled "I have filled out the Release of Information" disappear when dynamically generating the form "Authorization for Release of Information" if MC program is selected</li> <li>3) Ability to edit and append the CW 2200</li> <li>4) Ability to auto populate additional information from the data collection pages onto the form</li> </ol> <p><b>Revised:</b></p> <p>The CONTRACTOR shall migrate form CW 2200 (6/19)-Request for Verification with the following updates:</p> <ol style="list-style-type: none"> <li>1) Migrate the C-IV dynamic functionality of making the checkbox labelled "I have filled out the Release of Information" disappear when dynamically generating the form "Authorization</li> </ol>	<p><b>Original:</b></p> <ul style="list-style-type: none"> <li>• The following requirement states "Ability to auto populate additional information from the data collection pages onto the form will be determined in design sessions)". This requirement references new scope that will be defined during the Design phase. CONTRACTOR has not estimated this future scope. When the future scope is defined, CONTRACTOR will provide an updated estimate.</li> <li>• "Configurable" means that the sentence will display or not based on the county decision. The text of the sentence will not be updated per county choice.</li> <li>• Additional information to be populated will be determined based on a verification by verification analysis with the CONSORTIUM (each verification type will be assessed to see which additional</li> </ul>	<p>Migrated C-IV form CW 2200 and made requested updates.</p>

	<p>for Release of Information" if MC program is selected</p> <p>2) Ability to edit and append the CW 2200</p> <p>3) Ability to auto populate additional information from the data collection pages onto the form</p>	<p>information needs to be pulled).</p> <ul style="list-style-type: none"> <li>• Data table on CW 2200 will not be modified. Additional information will be appended to the item description and populated in that cell.</li> </ul> <p><b>Revised:</b></p>	
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# CalSAWS

California Statewide Automated Welfare System

## **Design Document**

CIV Alfresco Document Migration

CalSAWS	DOCUMENT APPROVAL HISTORY	
	Prepared By	Jonathan Goldsmith
	Reviewed By	

DATE	DOCUMENT VERSION	REVISION DESCRIPTION	AUTHOR
5/26/2020	1.0	Initial Revision	
11/17/2020	1.1	Content Revision 1	

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# 1 OVERVIEW

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## 1.1 Current Design

Both CIV Online and Batch systems currently use Alfresco to store and retrieve documents (.pdf, .xml, etc.). Alfresco consist of a web UI, FTP interface and an Alfresco Database. It is currently used by online and batch applications through CIV Interfaces, which uses the CIV architecture File Management Interface. The architecture File Management Interface uses open source API librabry CMIS to manage files in the Alfresco System.

## 1.2 Requests

The CalSAWS system uses AWS S3 for document storage. In order for the CalSAWS system to interact with previous CIV documents, the CIV Alfresco documents will need to be migrated over to the CalSAWS AWS S3.

## 1.3 Overview of Recommendations

Create new Batch jobs that will copy CIV Alfresco documents over to CalSAWS S3 and record the new S3 document number into the database.

## 1.4 Assumptions

## 2 RECOMMENDATIONS

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### 2.1 Add CMIS client to interact with Alfresco server

Update Architecture File Management code to add CMIS API client and new methods for interacting with Alfresco server. This will allow new Batch code to copy over C-IV Alfresco documents to CalSAWS S3.

### 2.2 Set up C-IV Alfresco instance to be used by Migration Batch Jobs

Set up a C-IV Alfresco instance with a copy of the Production Alfresco database data. The Alfresco instance will have access to a replicated mount drive of the Production files. This will allow the Migration Batch jobs to pull copies of the Production files without causing performance issues to the Production Alfresco server.

### 2.3 Migration job setup on AWS

The following describes the setup used for the document migration jobs:

1. AWS EC2 instances configured with role based AWS authentication. On ec2 /etc/profile.d directory, create file with Java environment variables and `export SPRING_PROFILES_ACTIVE="ec2"`
2. Deployment of the File Service code on ec2
3. Deployment of CalSAWS code with new file migration interface
4. Deployment of CalSAWS code with migration batch jobs
5. Batch job server and BicSuite scheduler setup
6. Schedule of required jobs in BicSuite

### 2.4 Migrate current documents from C-IV Alfresco to AWS S3

1. A DCR or similar process will populate temp tables based on existing CIV production data.
2. Migration jobs will take entries from temp tables and convert them updating the entry in the temp table with the new FMS id. Each table and column combination would have a job set with:
  - a. Loader
  - b. Listener
  - c. Stop Work
  - d. Stop Listener
  - e. 1+ worker threads
  - f. Multiple job sets can potentially write to the same temp table if multiple columns are being migrated on it. However, this is acceptable as the run time for those jobs is expected to be weeks vs hours for migration cutover.

Batch Job Set 1 (Migration/Copy):

Will migrate documents from AWS Alfresco to AWS S3

Separate temp tables will be updated with file id mappings

**Temp Table List:**

GENERATE\_DOC\_TEMP.ALF\_FMS\_NUM(FMS columnName)

The table will have the following common attributes:

id - this matching the original table on C-IV.

created\_on

updated\_on

created\_by

updated\_by

For each FMS column to migrate, the following will be required:

file  
CIV  
\${columnName} - original FMS ID value from

retrieve the file in S3  
\${columnName}\_new - migrated FMS ID to

file  
\${columnName}\_md5 - MD5 of original file

file  
\${columnName}\_md5\_new - MD5 of migrated

file  
this record  
\${columnName}\_stat - status of the column on

Note: 'new' and 'stat' were chosen to avoid going over the 30 identifier limit for some columns to migrate like print\_file where using more standard names like enclosure\_alf\_fms\_num\_stat\_code or enclosure\_alf\_fms\_num\_conversion would go over the limit.

**Jobs**

For each table/column combination, Job set example:

1. Temp table populator (e.g.: PGDAFNPREPARE) - copies the data from C-IV data source to temp table (on separate data source)
2. Copy Load Work (e.g.: CGDAFNLOAD) – load all work for the copy listener to use
3. Copy Listener (e.g.: CGDAFNLISTEN) – distributes work to copy worker jobs

4. Copy Stop Work (e.g.: CGDAFNSTOPWORK) – stops the copy work
5. Copy Stop Listener (e.g.: CGDAFNSTOPLISTEN) – stops the copy listener
6. Copy Workers (e.g.: CGDAFNWORK001-PGDAFNWORK999) – copy worker jobs

### Job Status

The main statuses are:

**PC** (pending copy – Tech Architecture team owned process) - Populating job data from C-IV table will set the record to this status once the ID is available.

**PV** (pending verify - Tech Architecture team owned process) - Copy job will set the status to this once the file is copied.

There are additional intermediate or diagnosis status codes like Copy Error, which would prompt manual intervention or analysis.

## 2.5 Tables and columns to be migrated

Table	Column
GENERATE_DOC	ALF_FMS_NUM
GENERATE_RPT	ALF_FMS_IDENTIF
PRINT_FILE	ALF_FMS_NUM
OCAT	FMS_NUM
VLP_MNL_VERIF_REQ	FMS_DOC_NUM_IDENTIF

## 2.6 Validate documents in AWS S3

Batch Job Set 2 (Verification):

There will be a batch job that will verify documents are the same in AWS S3 as C-IV Alfresco.

This job will utilize and update the same temp tables as above to verify documents stored in AWS S3.

Validation job set will use a md5 hash to validate documents and will update status in temp tables from PV (Pending Verify) to CM (Complete).

## Jobs

Verify Load Work (e.g.: VGDAFNLOAD) – load all work for the verify listener to use

Verify Listener (e.g.: VGDAFNLISTEN) – distributes work to verify worker jobs

Verify Stop Work (e.g.: VGDAFNSTOPWORK) – stops the verify work  
Verify Stop Listener (e.g.: VGDAFNSTOPLISTEN) – stops the verify listener

Verify Workers (e.g.: VGDAFNWORK001-PGDAFNWORK999) – verify worker jobs

## Job Status

**CM** (complete – DBA team owned process) - Verify job will set the status to this once the MD5 checksums are verified. Records with all columns on this status are ready to go back to the production CalSAWS Database under the new column holding the FMS ID.

## 2.7 Cutover to AWS S3

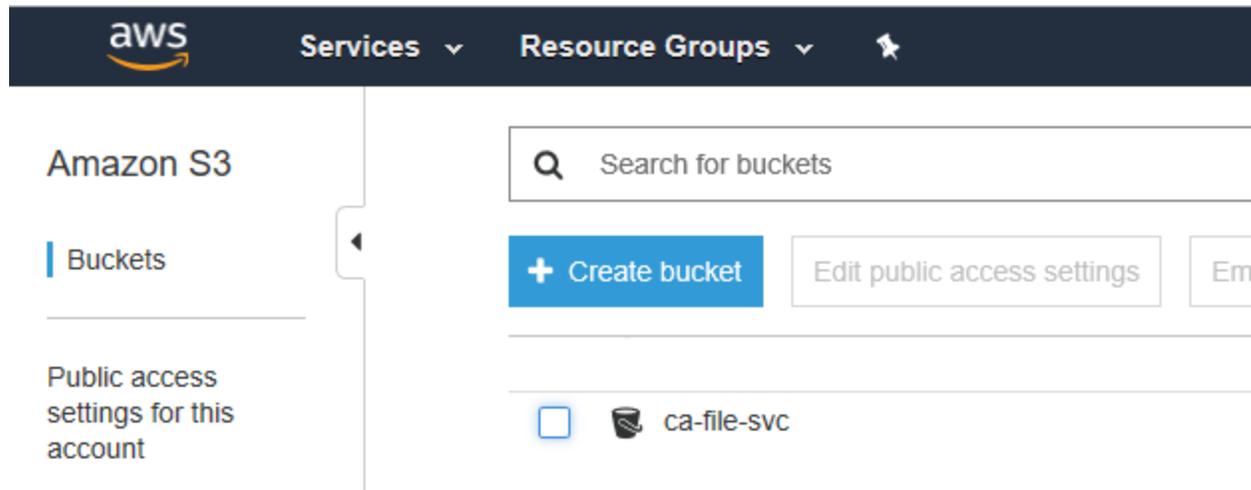
Batch Job 3 or DCR:

Steps as follows to merge the IDs from Temp tables(e.g. GENERATE\_DOC\_TEMP) back into the CalSAWS database tables(e.g. GENERATE\_DOC, etc.):

1. DBA team will import temp table into CalSAWS DB
2. DBA team will disable updated\_on triggers on target tables
3. DBA team will update by ID from  $\${tableName}_temp$ .  $\${columnName}_new$  into  $\${tableName}.\${columnName}_new$  for the columns migrated for each record.
4. DBA team will rename old column to some other name (e.g.  $alf\_fms\_num \rightarrow alf\_fms\_num\_old$ ), rename new column to old column name (e.g.  $alf\_fms\_new \rightarrow alf\_fms\_num$ ) [Report Name] Mockup

## 2.8 AWS S3 UI Document Access

Current users with Alfresco FTP access will have access to the AWS S3 Console Teams will use the AWS S3 console to search, view, download, and add documents to AWS S3.



AWS S3 console is used to manage files in the cloud by production operations teams

### 3 APPENDIX

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[Include any supplementary items that may not fit in the Description section. Examples could include flow charts, lengthy code tables, etc....]

DRAFT