



[CA-207055] CalHEERS eHIT/VLP Interfaces: Update eHIT and CalHEERS VLP interfaces to allow alphanumeric I-94 Numbers (CH-139419)

Team Responsible:	CalHEERS	Assignee:	Maksim Volf	SPG Status:	Approved
Fix Version/s:	[19.06]	Designer Contact:	Renee Gustafson	Change Type (SCR):	Enhancement
Minor Version:		Expedite Changes:	Start Build	Estimate:	361
Reporter:	Renee Gustafson	Regulation Reference:		Created:	03/12/2019 01:47 PM
Status:	In Development	Impact Analysis:	[N/A]	Outreach Required:	
Consortium Contact:	Carlos Camarena	Training Impacted:		Funding Source:	Premise
Project Phase (SCR):	Production	Migration Impact:	No	Funding Source ID:	CalHEERS
Committee:	[ICT, Medi-Cal/CMSP]	Approved by Committee:		Other Agency Cross Reference:	CIV-103626 ; CH-139419

Non-Committee Review:

Expedite Approval: KR April 9, 2019

Current Design: Department of Homeland Security (DHS) issues only numeric I-94 Numbers that are exactly 11 digits in length. LRS stores the I-94 Numbers as numeric values but does not require the number to be exactly 11 digits in length.

The CalHEERS VLP Interface Schema requires the I-94 Number to be numeric only and to be exactly 11 digits in length. LRS has page validation on the VLP pages which inform the worker when the I-94 Number is not exactly 11 numbers.

The CalHEERS eHIT interface schema does not require the I-94 Number to be numeric only and exactly 11 digits in length, but based on CalHEERS guidance, LRS restricted the I-94 Number to only send in an EDR when it is numeric and exactly 11 digits in length.

The electronic Inter-County Transfer (eICT) interface schema requires the I-94 Number to be numeric only and exactly 11 digits in length.

Request: Per DHS, they are running out of unique numbers for I-94 Numbers and must update to allow alphanumeric I-94 Numbers. DHS anticipates they will start using alphanumeric I-94 Numbers sometime in May 2019. The new format for an I-94 Number is: the first nine characters are numeric, 10th character is alphanumeric, and the 11th character is numeric.

For example: 12312345645 or 123123456A3

With CalHEERS CR-139419, CalHEERS will update the CalHEERS VLP and eHIT interface schemas to require the I-94 Number in the new format beginning with the CalHEERS 19.6 release.

LRS will update the online pages, database, CalHEERS VLP and eHIT interface schemas to accommodate the new I-94 Number format requirements.

In coordination, LRS, C-IV and CalWIN will update the eICT interface schema to accommodate the new I-94 Number format requirements as well.

Recommendation:

1. Update database to allow an alphanumeric I-94 Number in the Citizenship (CITZ) and the CalHEERS Citizenship Document (CH_DOC) tables.
 - a. Due to database naming standards, since the I-94 Number is changing from a 'Number' type to 'Alphanumeric' type, create a new column named I94_NUM_IDENTIF.
 - i. Update references to I94_NUM in Materialized Views, Views and triggers to now reference I94_NUM_IDENTIF (CITZ_MV, CITZ_HST, CITZ_HST_VW)
 - ii. Copy data values from I94_NUM to new column I94_NUM_IDENTIF

Note: I94_NUM column will be renamed to I94_NUM_BKP with this SCR and removed from the database in CA-207926.
2. Update Citizenship Status Detail page to allow an alphanumeric I-94 Number
 - a. Update I-94 Number field to recognize the updated database column name I94_NUM_IDENTIF.

b. Update the page validation for the I-94 Number as follows:

Upon save, if the I-94 Number is not exactly 11 characters in length; either all numbers or the 10th character a letter, then do not save and instead display a validation message at the top of the page.

Validation Message: I-94 Number must be exactly 11 characters in length; either all numbers or the 10th character can be a letter.

c. Update page mapping

3. Update VLP Step 1A Re-Verify Request Detail, VLP Step 2 Initiate Additional Verification Request Detail, VLP Step 3 Initiate Third Verification Request Detail pages to allow an alphanumeric I-94 Number.

a. Update I-94 Number field to display the I-94 Number from the new database column I94_NUM_IDENTIF.

b. Update the page validation for the I-94 Number as follows:

In Create Mode, if the I-94 Number to be loaded is not exactly 11 characters in length; either all numbers or all numbers and the 10th character a letter, then do not load the I-94 Number and instead display a warning message at the top of the page.

Warning Message: I-94 Number (<I-94 Number>) must be exactly 11 characters in length; either all numbers or the 10th character can be a letter. Cancel and correct the I-94 Number in the Citizenship Status Detail page.

c. Update page mapping

4. Update CalHEERS eHIT mapping to allow an alphanumeric I-94 Number:

a. Use the I-94 Number from the updated database column name I94_NUM_IDENTIF when creating an EDR.

b. Save the I-94 Number in an EDR and DER into the updated database column name I94_NUM_IDENTIF in the CH_DOC table.

c. Only send the I-94 Number in an EDR when it meets the new formatting criteria; otherwise do not send the element.

5. Update CalHEERS/SAWS VLP schema to allow sending/receiving alphanumeric I-94 Number in VLP Step 1A, VLP Step 2 and VLP Step 3.

a. Use the I-94 Number from the updated database column name I94_NUM_IDENTIF when creating a VLP Request.

b. Save the I-94 Number in a VLP Request or VLP Response into the updated database column name I94_NUM_IDENTIF in the CH_DOC table.

6. Update the eICT interface definition to allow ICT to send/receive the I-94 Number as an alphanumeric value.

a. Update eICT to reference the I-94 Number from the new database column I94_NUM_IDENTIF in the CITZ and/or CH_DOC tables.

7. Modify the metadata file for ETL execution to now reference the new CITZ.I94_NUM_IDENTIF column. This change will not impact the data or logic in the ETL, but as a pre-requisite the updated metadata file must be available in ODI.

Outreach

Description:

Migration Impact

Implemented with CIV-100479 in Release 19.06 with CH-139419.

Description:

Migration Impact

Analysis:

Alternative

Administratively verify Immigration for a person who has an I-94 number that includes alpha characters.

Procedure

Description:

Operational Impact:

Estimate: 361

Automated Test :	0	Batch/Interfaces :	17	CalHEERS :	157
Client Correspondence :	0	DBA :	0	Design :	0
Eligibility :	0	Fiscal :	0	Imaging :	0
IVR/CC :	0	Online :	0	Performance :	0

Reports :	34	Security :	0	System Test Support :	83
Tech Arch :	0	Tech Ops :	0	Training :	0