

Cortell Australia Pty Ltd

CoreBIS **Testing Verification** 30/11/2022



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Revision History

Date	Version	Description	Author	
18/11/2022	0.1	Create Document	Karl Blackler	
26/11/2022	0.2	Review Document	Rodrigo Alvarez	
27/11/2022	1.0	Review document	Karl Blackler	



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1. Summary

This document identifies what testing has occurred on each change in this Month's CoreBIS release.



2. Code Updates

2.1 CU134: APRA_Return_Version_Form - Make Form Version Static (Risk:M)

Code Update: APRA has been updating Form Version information for prior periods. This causes the mapping for those prior periods to lookup the incorrect form versions, which causes those forms to show blank for those periods.

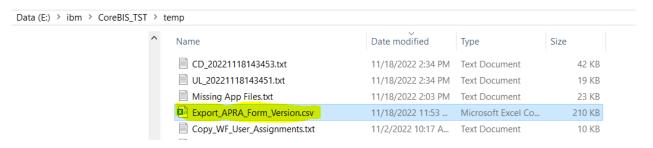
This new fix has made the form versions static at the time the workflow is setup, so that these versions do not change.

Test Goals:

- 1. Validate that the script ran correctly (an export file was created with the existing APRA_Form_Version data) and the APRA_Form_Version is correct.
- 2. Regenerate a workflow and ensure only the required versions are set in the APRA_Return_Form Version cube.
- 3. Ensure that the Submission process copies the form version correctly in the APRA Return Form Version cube.

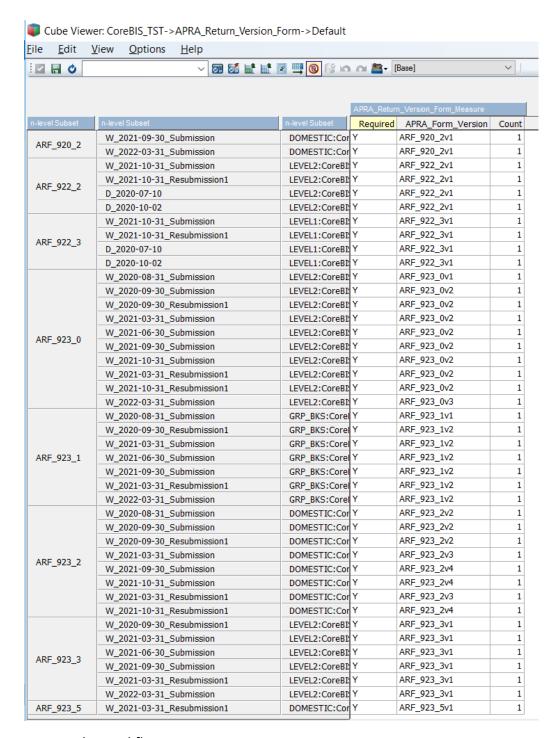
Test Method:

Check that the Export APRA Form Version.csv was created.

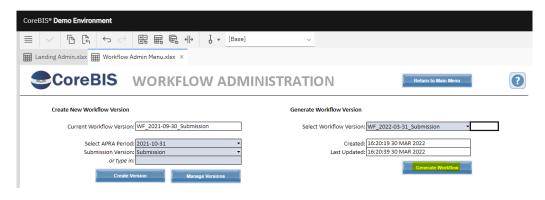


Check that the APRA_Return_Form Version cube has the APRA_Form_Version field completed. (Recreate the view below)

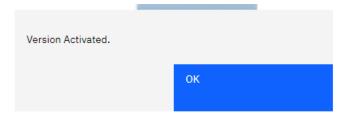




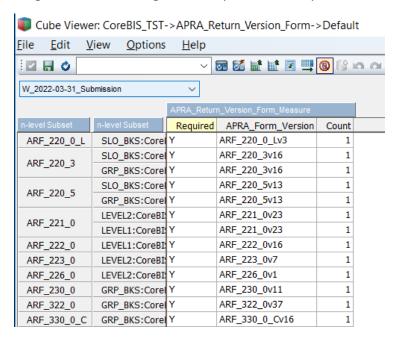
Regenerate the workflow.



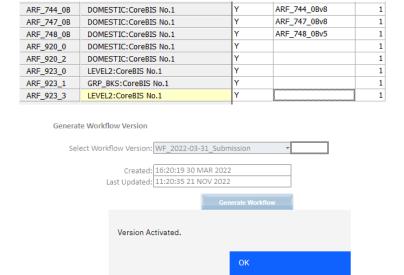




Ensure the working version of the regenerated period is completed.



Delete some APRA_Form_Version (Development environment only) and regenerate the workflow again as an additional test.

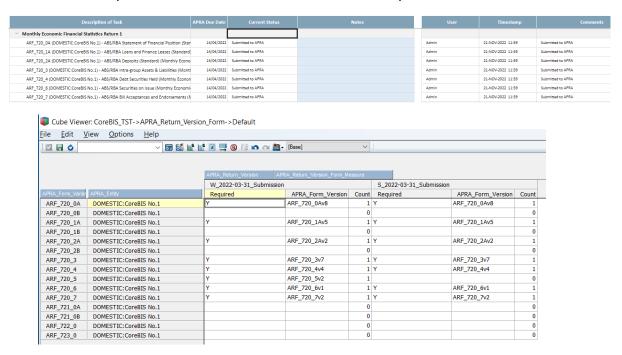


The elements should appear back in the cube:



ARF_744_0B	DOMESTIC:CoreBIS No.1	Υ	ARF_744_0Bv8	1
ARF_747_0B	DOMESTIC:CoreBIS No.1	Υ	ARF_747_0Bv8	1
ARF_748_0B	DOMESTIC:CoreBIS No.1	Υ	ARF_748_0Bv5	1
ARF_920_0	DOMESTIC:CoreBIS No.1	Y	ARF_920_0v3	1
ARF_920_2	DOMESTIC:CoreBIS No.1	Y	ARF_920_2v1	1
ARF_923_0	LEVEL2:CoreBIS No.1	Y	ARF_923_0v3	1
ARF_923_1	GRP_BKS:CoreBIS No.1	Υ	ARF_923_1v2	1
ARF_923_3	LEVEL2:CoreBIS No.1	Υ	ARF_923_3v1	1

Submit (three level approval) in the workflow a Form Task in the period and ensure the Version is copied to the S Version of the Return Version period.



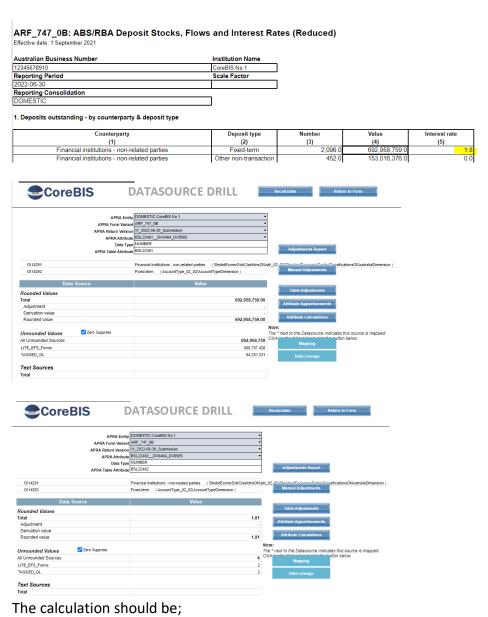


2.2 CU162: Weighted Average calculation for multiple DataSources (Risk:H)

Code Update: There are many forms that have tables and attributes with interest rates. If a client needs to map data from multiple sources, the interest rate must be averaged to report the correct value.

This code update added a Weighted Average calculation for those attributes identified as requiring the average formula applied. This new calculation will only apply to new versions going forward, so existing APRA_Return_Versions will not utilise this new method.

Test Goal: Interest rates are averaging when there are multiple datasources. **Test Method:** Map 2 datasources to a table on the ARF_747_0B and test that the interest rate is an average of the 2 sources.



Test Status: Success

= 1.81

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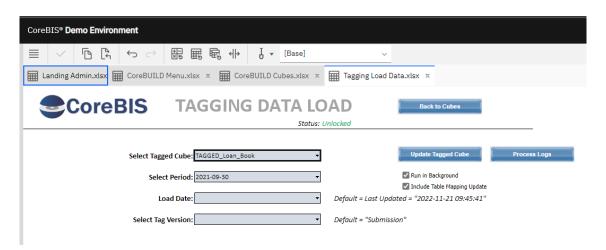
2.3 CU164: Running data loads / tagging in background cause rollback loop (Risk:M)

Code Update: When clients run the tagging in the background for multiple cubes at the same time, there can be contention, causing one or more of the processes to roll back and start again. In some cases this contention can cause the infinite loop as one rolls back the other executes and then at completion it rolls back as the other starts. To stop this occurring and to stop this added contention we have added a flag to only allow the tagging to run for one cube at a time, thus causing a queue of processes to execute one after the other.

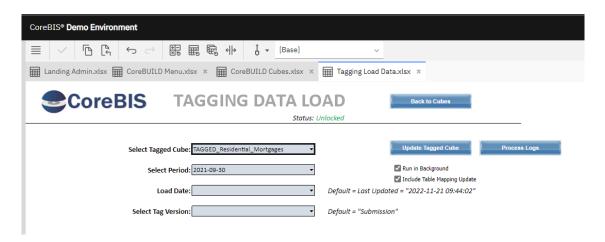
Test Goal: Run two tagging loading processes simultaneously with the "Run in the background" and the "Include Table Mapping Update" options and check that no recursive looping happens (constant emails appear reloading the processes).

Test Method: Open two sessions with a CoreBuild license user. Open the screen of the CoreBuild cube and ensure two Tagged cubes can run. Select "Run in the background" and the "Include Table Mapping Update" check marks in both sessions.

Session 1:



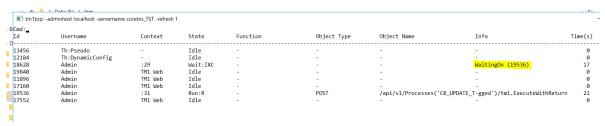
Session 2:





Click the Update Tagged cube in session one and immediately click the same button in the session two screens.

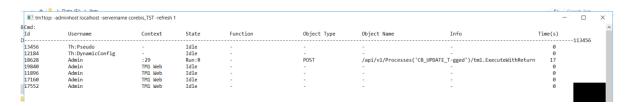
Using the TM1Top screen monitor, we can se that the second process is "on-hold" waiting for the first process to finish.



The thread that executed the first process finished normally.

	[]				
19536	[1f]	INFO	2022-11-21 10:12:41.534	TM1.Process	Process "Lib_Send_Email" run from process "CB_UPDATE_Tagged" by user "Admin"
19536	[1f]	INFO	2022-11-21 10:12:41.645	TM1.Process	Process "Lib_Send_Email": finished executing normally, elapsed time 0.11 seconds
19536	[1f]	INFO	2022-11-21 10:12:41.645	TM1.Process	Process "DIM_APRA_Attribute_Table_Mapping" run from process "CB_UPDATE_Tagged" by user "Admin"
19536	[1f]	INFO	2022-11-21 10:12:41.809	TM1.Process	Process "DIM_APRA_Attribute_Table_Mapping": finished executing normally, elapsed time 0.16 seconds
19536	[1f]	INFO	2022-11-21 10:12:41.824	TM1.Process	Process "CB_UPDATE_Tagged": finished executing normally, elapsed time 47.22 seconds
18628	[1d]	INFO	2022-11-21 10:12:42.440	TM1.Process	Process "CB_UPDATE_Tagged" executed by user "Admin"

After that, the second thread is executed. With no holding processes.



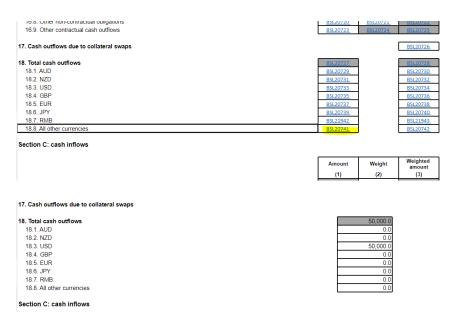


2.4 CU174: Derivations on ARF_210_1A applied from prior form versions. (Risk:M)

Code Update: The derivations being applied to the ARF_210_1A form were not using the correct derivation date for the form versions. An update to the lookup of dates to form versions has removed these additional derivations from prior form versions from showing.

Test Goal: The error was specific to the BSL20741 attribute on the ARF_210_1A form, so this form should be tested to ensure the derivation is not in place.

Test Method: Manually type values into the form and check the derivations are not calculating





2.5 CU175: CoreBUILD > Edit Source checking active cell (Risk:L)

Code Update: An error message would show up when a user selected a cell that wasn't in the table. This has been resolved.

Test Goal: Ensure that a user doesn't get an error message when a cube is not selected, and a button is pressed.

Test Method: Log into CoreBIS and go to the CoreBuild Cubes screen. Select any cell above the Cube Table and click Edit Source

Error before the change: CoreBIS **CoreBUILD CUBES** Filter by Type: All Cubes Cube Type: Tagged Workbook error ATTR_BASE_CostCentre ATTR_BASE_CPTL_RB_Product Failed to open the target workbook 'Applications/CoreBUILD/Base Data/Cube Load 0.xlsx' as the file does not exist. TEXTFILE ATTR_DS_Deal 2021-02-18 13:29: ATTR_RM_Product ATTR_TAGGED_Testing_Measure ATTR BASE_220_0_Exposures_and_Provisions BASE_BEAR_Details BASE BASE_Business_Loans BASE_CPTL_Retail_Balances BASE 2021-12-03 14:46: BASE Credit Cards BASE 2021-06-29 15:52: BASE

After the fix, no error should appear.





2.6 CU176: File Formatter Screen, Lite cube, period defaults to APRA Return Data instead of period. (Risk:M)

Code Update: The file formatter screen was referencing the APRA_Return_Version instead of the Reporting Period for Lite cubes. This has been updated to reference the reporting period.

Test Goal: The selection should reference the period and not the APRA Return Version

Test Method: Check before and after the change for a particular lite cube.

Before the change it is referencing the APRA_Return_Version

₩ 2017-08-31 Submission

TEXT FILE FORMATTER

After the change it is referencing the Reporting Period.

Select Cube: LITE_EFS_Forms Select APRA Period: 2022-06-30 IN Name Find in subset... 2016-06-30 10 2016-07-31 2016-08-31 11 2016-09-30 Me 2016-09-30 Me 2016-10-31



3. Enhancements to Existing Features

3.1 EF115: Clean up: Add a comment field for many screens, and clean up formatting of screens, and check button colours. (Risk:H)

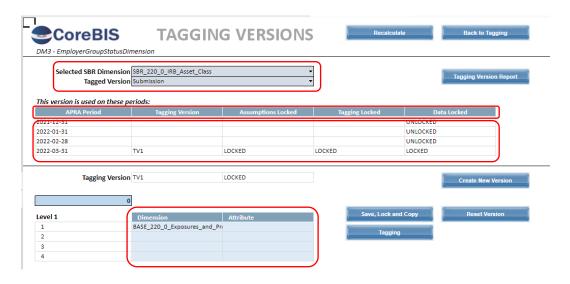
Code Update: We have reviewed all of the frontends for consistency of colours so that data entry, read-only, selectors and titles are all coloured in a consistent manner. We have updated circa 70 frontends.

Test Goal: The frontend screens are consistent within CoreBIS and CoreBuild modules.

Test Method: Open several forms in the CoreBIS and CoreBuild modules ensuring that the worksheets in the model have the following:

- Light grey for selections involving objects
- Light Blue for selections or input fields involving data entry
- White cells for read-only cells
- Middle and teal-aligned column titles in tables
- Missing top borders are consistent with the rest of the bordered boxes.

Sample view:



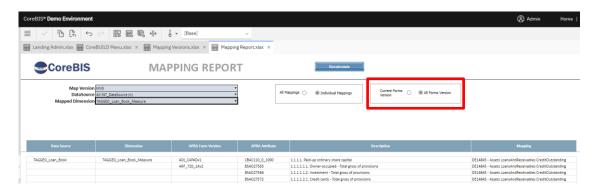


3.2 EF135: Update "Used in Mapping" report - Current Form Version (Risk:L)

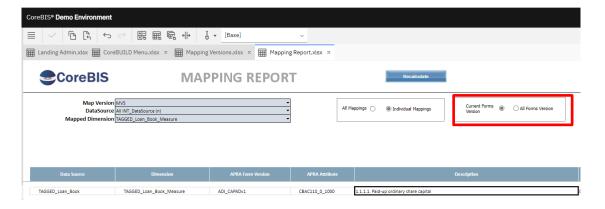
Code Update: The "Used in Mapping" report displays all form versions with mapping, these can include form versions that are not relevant to the current period. A new toggle has been added to the form to show/hide these form versions.

Test Goal: Check that the Mapping Report works with the new toggle functionality.

Test Method: Open the Mapping Report from the CoreBuild Menu -> Mapping -> Dimension Mapping Report.



Toggle the form to filter just the current versions or all forms. Filtered report should appear in order and only for the current form versions.





3.3 EF137: New Modern Menu (Risk:L)

Code Update: The main landing page has been updated in-line with Cortell's corporate branding of the product.

Test Goal: The new modern menu appears in the CoreBIS intro page, and its links and components work.

Test Method: Log into CoreBIS and visualise the new modern menu as an admin:



The button should direct the user to the correct links and the version number is 11.1.2211

Do the same with an average user (different menu with no control)





4. New Features

4.1 NF45 P5: Integrate CoreBIS with APRA Connect. (Risk: M)

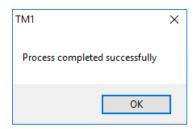
Code Updates: Updates to include 110/112 setups to include:

- New ARS_110 Form
 Integration of the ARS_110 form into CoreBIS. Cortell has made up a set of attributes so that the form functions the same way as the D2A forms.
- 2. Updates to the Taxonomy for 112

 APRA has released an updated taxonomy, and the form is now finalized.

Test Goal: Ensure the new taxonomy imports and updates correctly **Test Method:** Run the **MASTER_D2A_Master** process and review execution

- 1. Update all the APRA folder content
- 2. Run the process



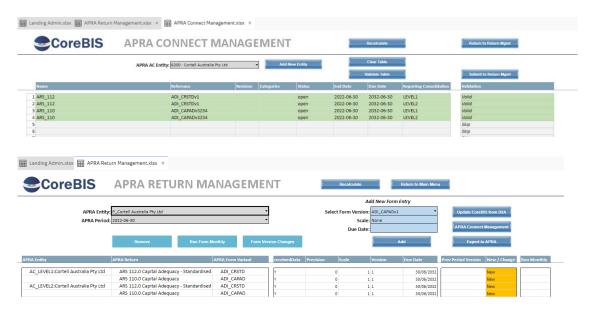
3. No error logs

Test Status: Success

Test Goal: Ensure the new ARS_110 is available

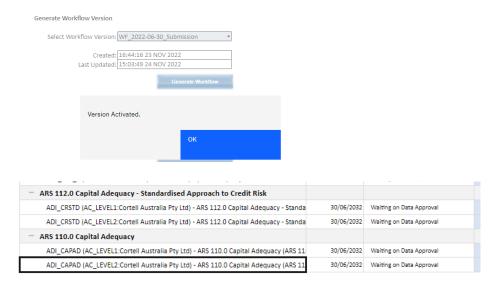
Test Method:

1. Add the ARS_110 into the Return Management screen

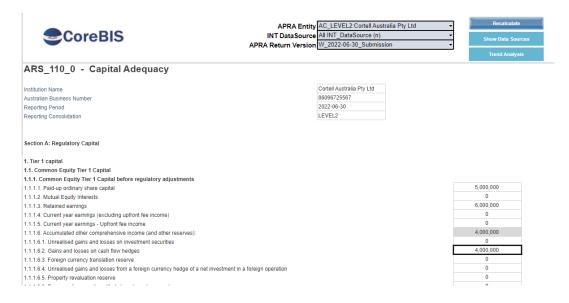




2. Setup a workflow including this form.



3. Manually enter some numbers on the form.



- 4. Check derivations are calculating.
- 5. Values showing on the Movement report.

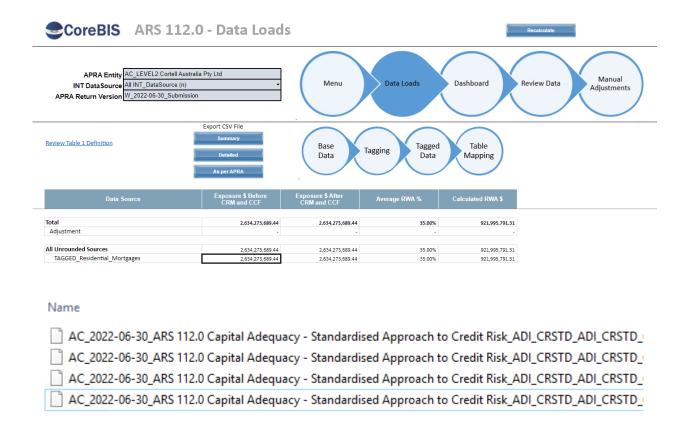




Test Goal: Ensure the new ARS_112 still functions as expected.

Test Method:

- 1. Review the ARS 112 table
 - a. Rerun the table in table mapping
 - b. Check output of csv
- 2. Check XML output.





5. New Forms Versions

- ARS_110_0v1
- ARS_112_0v1

