

Cortell Australia Pty Ltd

# CoreBIS **Testing Verification** 31/03/2023



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## **Revision History**

Date	Version	Description	Author
28/03/2023	0.1	Create Document	Rodrigo Alvarez
30/03/2023	0.2	Ongoing testing of package	Karl Blackler
31/03/2023	1.0	Release	Karl Blackler



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## 1. Summary

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



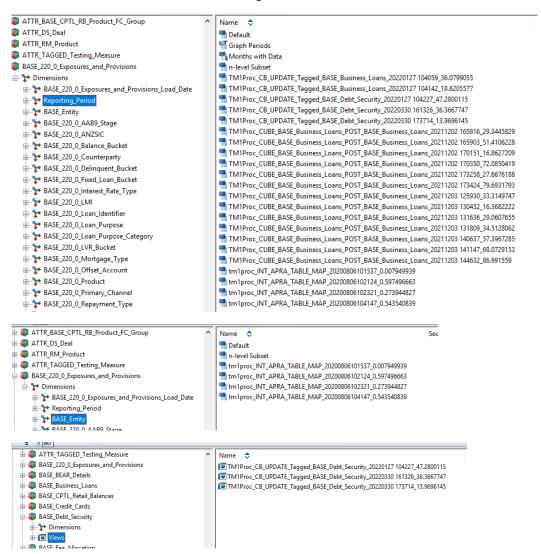
## 2. Code Updates

# 2.1 CU 183: Clean-up of Error TM1Proc\_ Cube Views and Subsets, Review Processes to use Temp Subsets/Views (Risk: M)

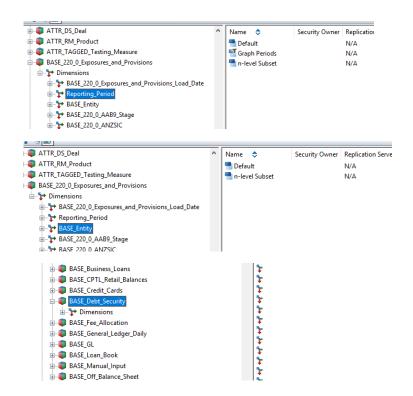
This Code Update cleaned up some temporary process subsets and views that were not being deleted after execution. There have been improvements in process execution to reduce the locking when subsets and views are used. These improvements were applied to many processes in CoreBIS. This also stops these temporary subsets and views from remaining and improves performance.

**Test Goals:** After executing, the processes stop leaving subsets and views behind, and all TM1Proc subsets and views are removed.

**Test Method:** Check before and after migration for TM1Proc subsets & Views.







**Test 2:** Run the Master D2A and Overnight processes and check if any subsets/views are created and left behind.



#### No tm1proc subsets & views.





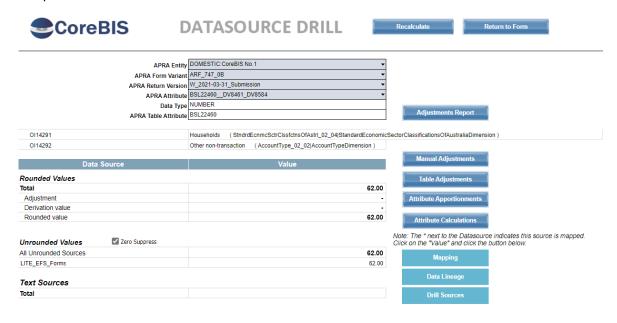
## 2.2 CU185: Drill screen: A user cannot turn off zero suppress if no values exist. (Risk:L)

Some users reported that the zero suppress checkbox toggle function to display all the data sources in the Drill - Datasource screen was not working when the APRA attribute field had a table attribute selected. This functionality has been fixed.

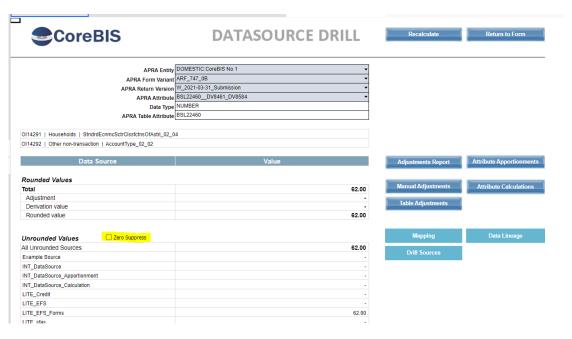
**Test Goals:** When a user browses the Drill – Datasource within a table-based attribute screen, the zero suppress toggle checkmark displays all the databases.

**Test Method:** Open a table-based attribute and select the zero suppress toggle on and off. The data sources can always be browsed. Press recalculate after changing the Zero Suppress check.

**Current Prod situation:** The zero suppress function doesn't allow the Unrounded sources table to open.



#### After fix:





### 2.3 CU 190: Reconciliation Module needs ACD cubes added (Risk: M)

The current Reconciliations module can only reconcile INT\_DataSource, Tagged and Lite cubes data sources. This period included a Code Update to allow users to reconcile values from ACD (APRA connect), Base, and Attribute (Numerical attributes) data sources.

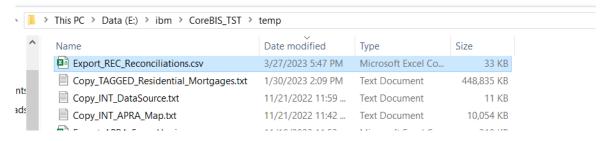
#### **Test Goals:**

- 1. In the background, a new cube version of REC\_Reconciliation with different dimensions was created. Ensure the data of the previous REC\_Reconciliations.csv file exists. This file is a dump of the previous cube version.
- 2. Validate that the current reconciliations work
- 3. Ensure that you can reconcile data from
  - a. ACD Cubes
  - b. Base cubes
  - c. ATTR Cubes for numerical values.
- 4. Reconciliation Drills

#### **Test Method:**

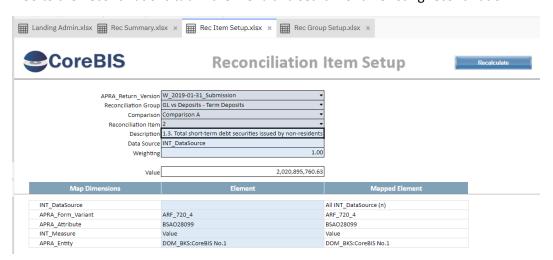
#### 1. Export\_REC\_Reconciliations.csv file

Check that the file was created in the temp folder of the CoreBis directory. This file contains all the information about the previous Cube so we can go back to it in case of any problems.



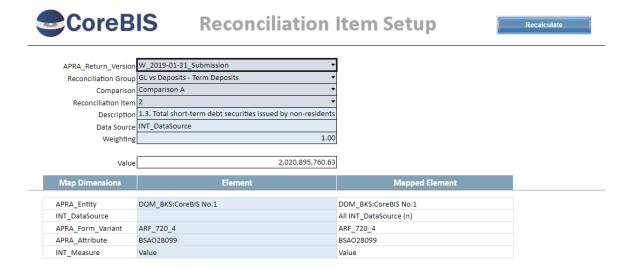
#### 2. Current Reconciliations

Go to the Reconciliations tab in the menu and search for an existing reconciliation.





#### Previous Value:

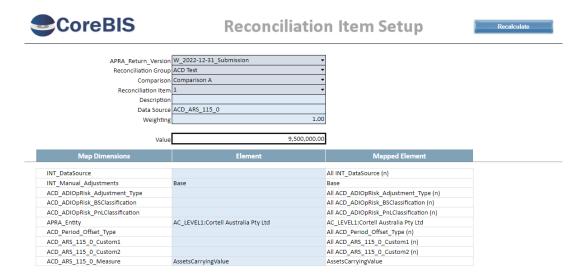


Note: The order may have changed in the map dimensions due to the new indexes of other cube objects.

#### 3. Reconcile data:

For this test, three cases were created, open the item group level and select a reconciliation mapping for ACD, ATTR and BASE cubes.

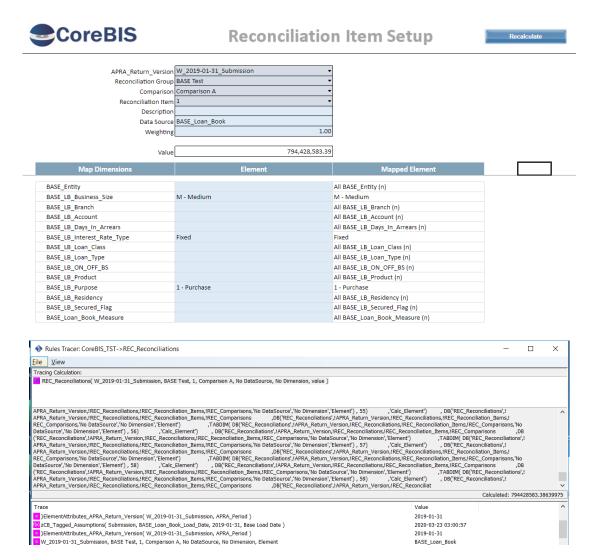
#### **ACD Cubes**



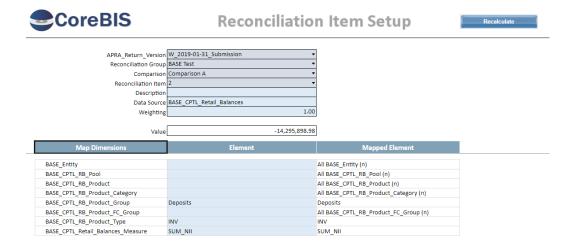


#### **Base Cubes**

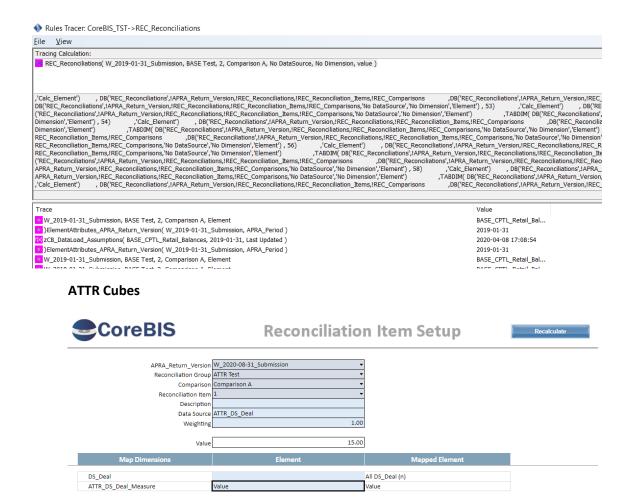
In this case, the last updated value is based on the submitted version checking the tagged version.



When the Base cube doesn't have a Tagged cube, the load data used in the reconciliation is the Last Update for that submission period.

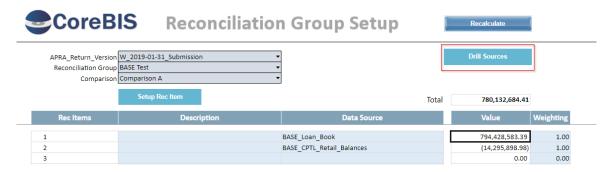






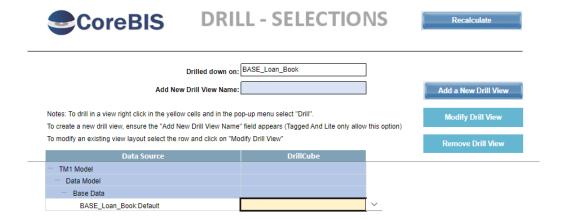
#### 4. Reconciliation Drills

This procedure will only work in the Group Reconciliation Screen. Select the value you want to investigate and press "Drill Sources".

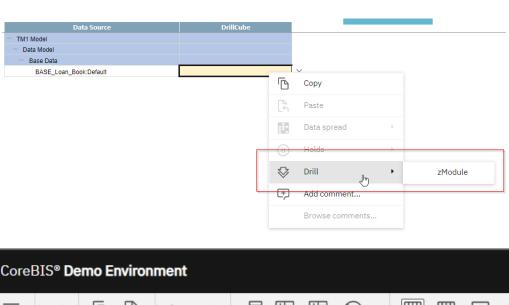


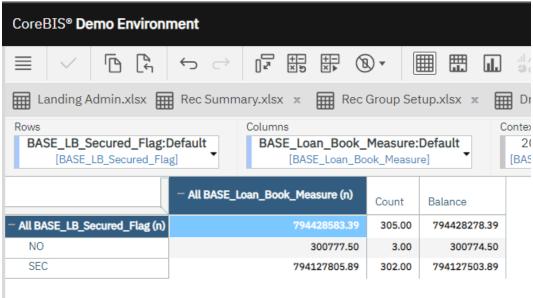
Click in the Drill Selection Drill Cube, and with a right click in the drill cell.





The value in the reconciliation screen should match the value in the drill view:





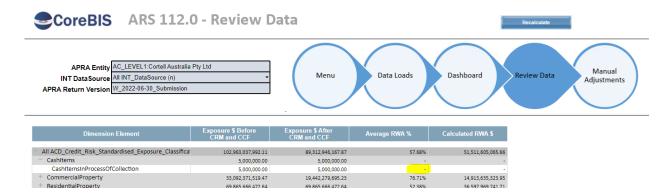


## 2.4 CU 191: APRA Connect XML outputs blank when numerical values equal 0 (Risk: M)

When the APRA Connect XML output file is created, some <value> </value> tags show a blank instead of a zero value. This code update will fix this problem.

Test Goals: The XML file contains a zero value when the Cube has a 0.

**Test Method:** This issue mainly affects items with a risk weighting of 0 in the ARS\_112, as these have no RWA value.



#### Currently:

</Pre>

<p

#### Updated:

```
ARS_112_0_Table_1_x005F_x002E_01_x0020_Repeat_x0020_Group>
<ExposureBeforeCRMAndCCFAmount>
 <value>5000000
 </ExposureBeforeCRMAndCCFAmount>
ExposureAfterCRMAndCCFAmount>
 <value>5000000</value>
 </ExposureAfterCRMAndCCFAmount>
CalculatedRWA>
 <value>0</value>
 </CalculatedRWA>
<RiskWeightType>
 <value>0</value>
 </RiskWeightType>
<NatureOfTransactionType>
 <value>NotApplicable
 </NatureOfTransactionType>
<value>NotApplicable</value>
  </LoanToValuationRatioType>
--ClendersMortgageInsuranceIndicator>
```

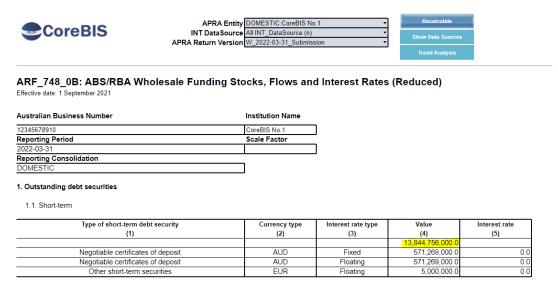


## 2.5 CU 192: Blank table items returning total values in tables. (Risk: M)

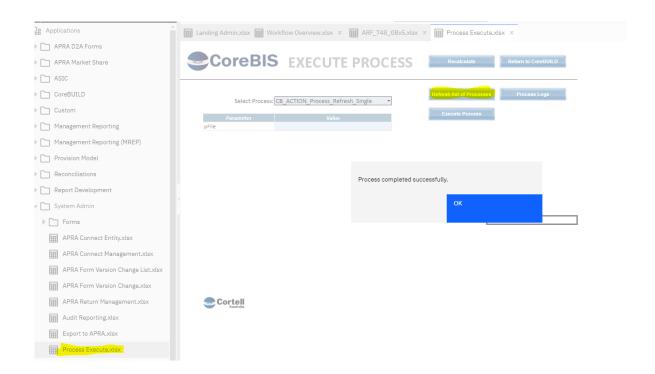
In table-based reports, some users see an attribute ending with an underscore. These table attributes have no dimensional characteristics, but they have a value. A fix was created that can be executed to remove these attributes if they appear.

**Test Goals:** Should a Total table item appear, the created fix process will fix the issue.

**Test Method:** Manually create a total table item on the ARF\_748\_0B and then run the process to fix it.

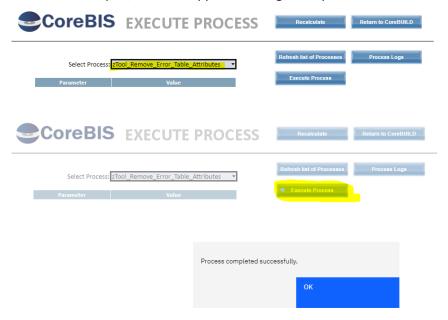


1.2. Long-term

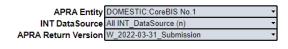




Note: I had to open/close the application to get the process to show in the list.









#### ARF\_748\_0B: ABS/RBA Wholesale Funding Stocks, Flows and Interest Rates (Reduced)

Effective date: 1 September 2021

Australian Business Number	Institution Name
12345678910	CoreBIS No.1
Reporting Period	Scale Factor
2022-03-31	
Reporting Consolidation	
DOMESTIC	

#### 1. Outstanding debt securities

#### 1.1. Short-term

Type of short-term debt security		Currency type (2)	Interest rate type (3)	Value (4)	Interest rate
ŀ	Negotiable certificates of deposit	AUD	Fixed	571,269,000.0	0.0
	Negotiable certificates of deposit	AUD	Floating	571,269,000.0	0.0
Ī	Other short-term securities	EUR	Floating	5,000,000.0	0.0



## 2.6 CU 193: Trend Analysis Graph does not show table attributes (Risk:L)

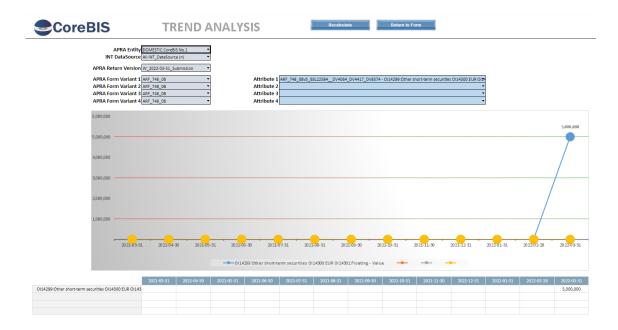
This code update allows a user to see the trend analysis graph for the table attributes. These were not appearing before.

**Test Goals:** Any table attribute value can be clicked and drilled into the Trend Analysis.

**Test Method:** Open an existing form with Table data and check that the table items have been added to the Trend Analysis report.



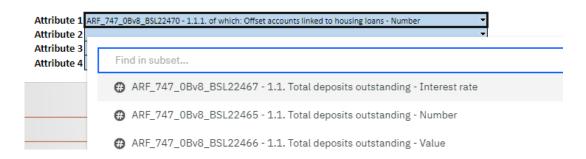
Type of short-term debt security	Currency type	Interest rate type	Value	Interest rate
(1)	(2)	(3)	(4)	(5)
Negotiable certificates of deposit	AUD	Fixed	571,269,000.0	0.0
Negotiable certificates of deposit	AUD	Floating	571,269,000.0	0.0
Other short-term securities	EUR	Floating	5,000,000.0	0.0

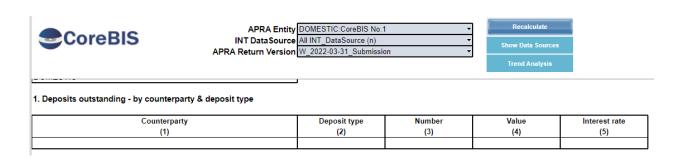


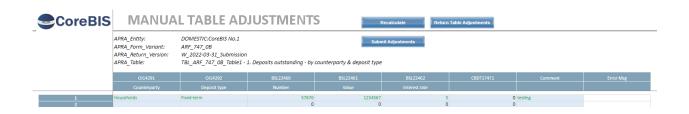


**Test 2:** Create some new table items that don't exist and check if they can be drilled into the Trend Report.

Check that the attributes don't exist in the Trend analysis Report;



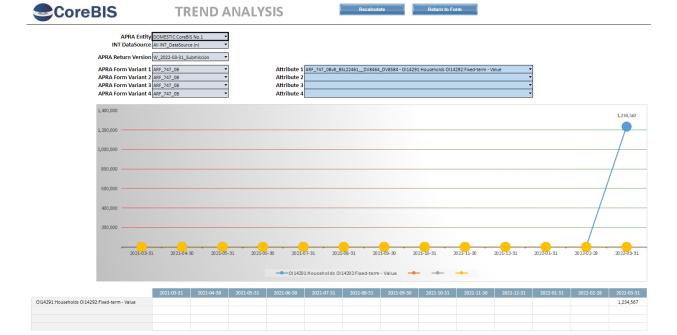




#### 1. Deposits outstanding - by counterparty & deposit type

Counterparty	Deposit type	Number	Value	Interest rate
(1)	(2)	(3)	(4)	(5)
Households	Fixed-term	57,676.0	1,234,567.0	5.0







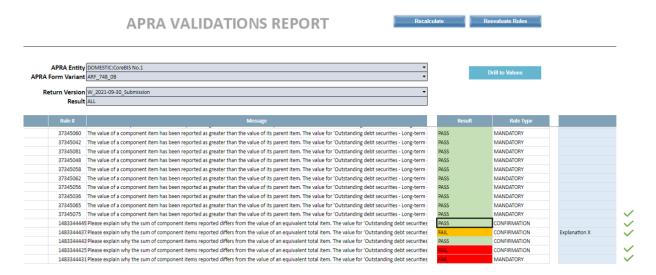
## 2.7 CU 194: Validation report formatting of Confirmation items. (Risk:L)

The validation report formatting conditions changed for this report having the following combinations:

- Pass/Mandatory Green
- Pass/Confirmation Green
- Fail/Confirmation/No Comment Red
- Fail/Confirmation/with Comment Amber
- Fail/Mandatory Red

**Test Goals:** Check the validation report and review the conditions displayed with the new changes.

**Test Method:** Open the Validation report and browse the different conditions:



The green marks show us that the new changes were applied.

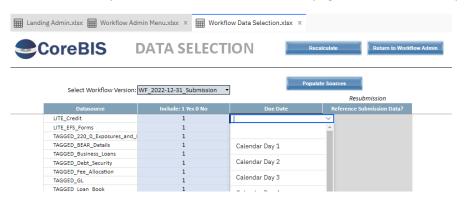


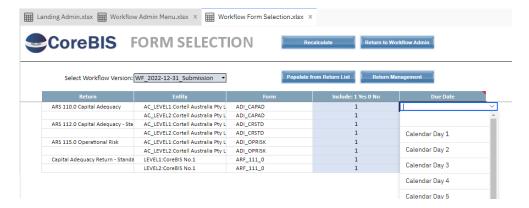
## 2.8 CU 195: Workflow Days dropdown not showing (Risk:L)

In the Workflow Data and Form Selection screens, the Due Date columns were not displaying the picklist correctly for some users. The missing "due date" was fixed to make the pick list reappear.

**Test Goals:** Check that the dropdown is present after migration.

**Test Method:** Open the Data and Form Workflow pages and check for dropdown.





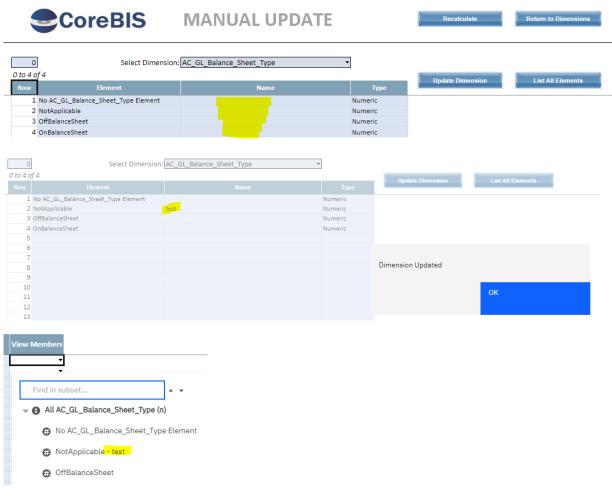


## 2.9 CU 196: AC Dimension Alias causes the tagging to stop. (Risk: M)

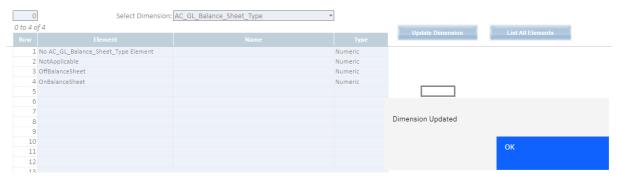
In the APRA Connect dimensions, the Name attribute was populated even though it was the same as the element. If the dimension was edited using the Manual Edit screen, the name was applied to the Code+Name, thus causing the name to appear twice in the Code+Name description. The Manual Edit Screen did not allow users to remove the name attribute nether. A fix has been applied to the SBR and AC dimension to remove the Name attribute population, and the manual edit screen will allow you to remove a name attribute now.

**Test Goals:** The Name attribute has been removed from SBR and AC dimensions, and the Manual Edit screen will not add a Code+Name that duplicates the text.

**Test Method:** Select an SBR and AC dimension and check if the Name attribute is removed. Then Manually edit the dimensions and check the Code+Name for name duplication.

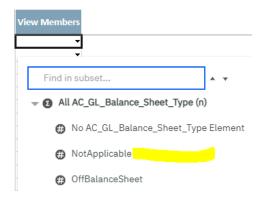


Delete the name.



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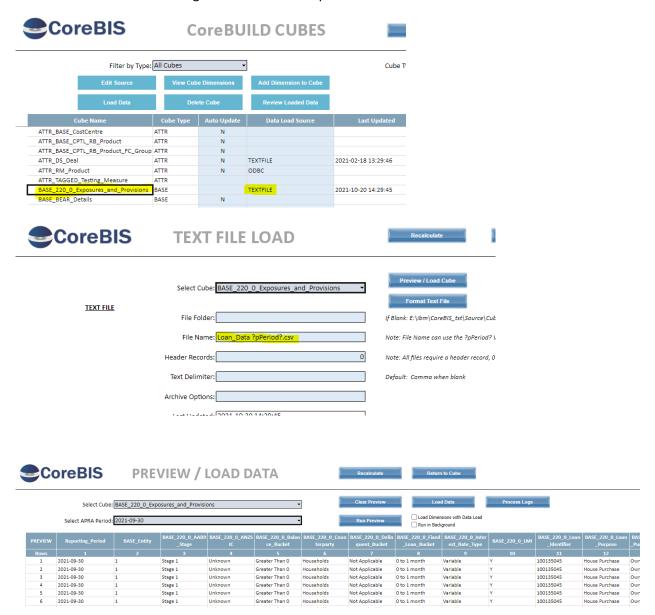


## 2.10 CU 197: File Formatter doesn't cater for blank columns. (Risk: M)

If loading files via the file formatter, there is an error if the file has an empty column or a field with no field name. This fix adds a "# Blank Column" value when a blank column is found. This ensures that the index of the fields is maintained and fixes the issue.

Test Goals: The file formatter works when a file has a blank in the column header.

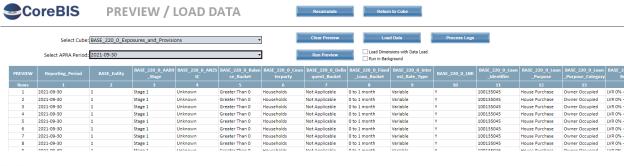
**Test Method:** Take an existing file load and then update the file to add a blank column.



We now alter the file to have 3 sets of blank columns

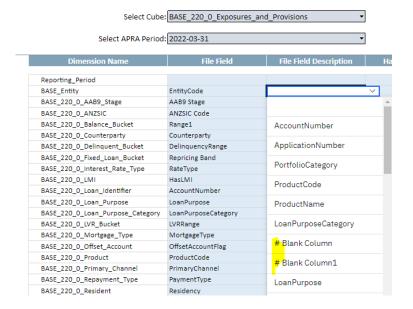








### **TEXT FILE FORMATTER**





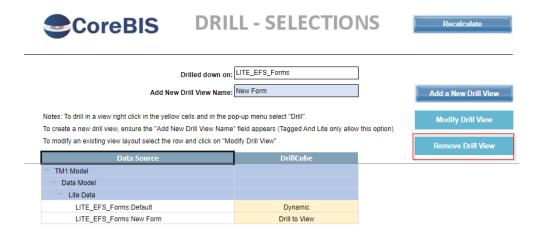
## 3. Enhancements to Existing Features

## 3.1 EF124: Add a Remove View button to the Drill Selections Screen (Risk:L)

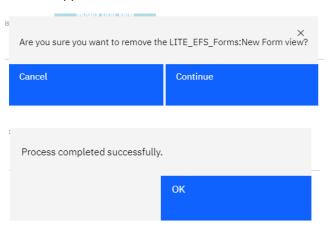
Last month we created a new drill screen that allows users to drill down into views easier and create new views. We have added to this screen the ability for a user to remove a view.

**Test Goals:** Test that the Drill – Selection screens remove views that are different than default using the new functionality provided.

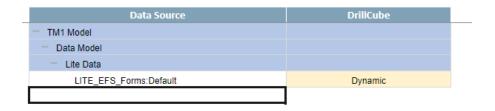
**Test Method:** Open the new Drill Sources from the Drill – Datasource, select the view and press the Remove Drill View button.



A message with the view will appear. Select Continue:



The view is removed.





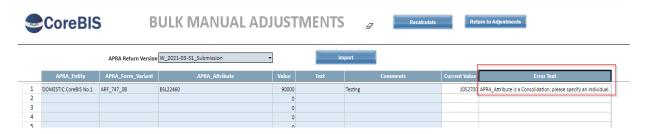
# 3.2 EF130: Update error message on Bulk Manual Adjustments for Table Forms (Risk: L)

In some cases, users could select the table attribute name directly in the bulk upload manual adjustment screen, which returned a wrong error message displaying "Attribute not valid on this Form Variant". The problem was corrected using the message: "APRA\_Attribute selected is a table attribute." which is specific to this problem.

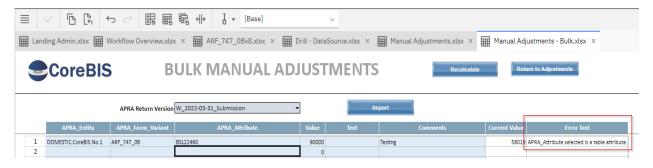
**Test Goals:** Check that users cannot enter attributes used in the Attribute table list and the correct error message is displayed.

#### **Test Method:**

Current issue without the fix. Current message: "APRA\_Attibute is a Consolidation, please specify an individual."



New error message: "APRA\_Attribute selected is a table attribute."



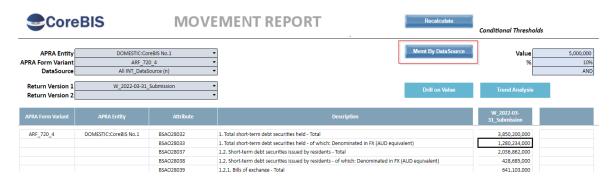


### 3.3 EF140: Movement by DataSource Report (Risk:L)

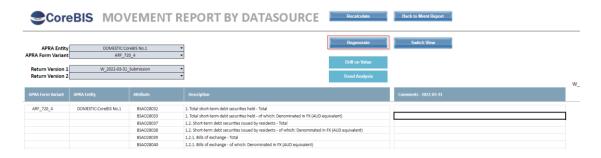
This release created two new reports showing the values by data source. The reports are accessible from the Movement Report, the "Mvmt By DataSource" button, and the "Switch View" button in the report itself. The report must be "Regenerated" whenever the selections change to ensure the correct data sources are showing.

**Test Goals:** Check that reports work and validate that the generate and switch view buttons work correctly.

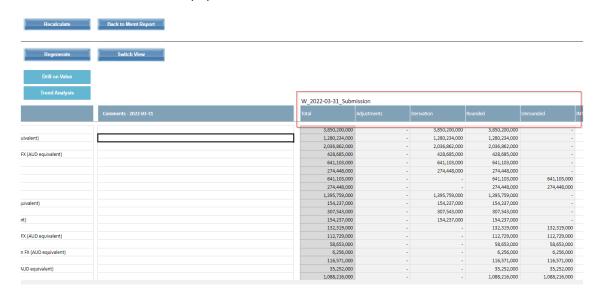
Test Method: Open the Movement Report and click on the Mvmt by Data Source button



Click on the regenerate button to populate the report

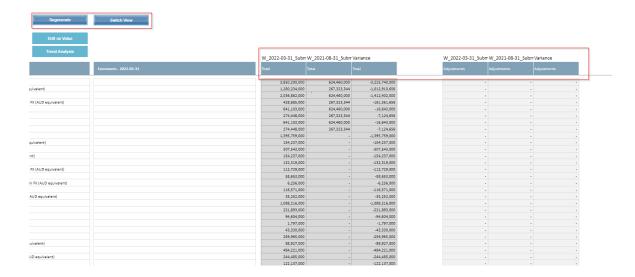


#### Check that the sources were populated



Validate the Switch View by pressing the Switch View and the regenerate button (again):





The data appears with each data source group by selected period comparison and variance.



## 3.4 EF143: Audit Reporting - Updates (Risk:L)

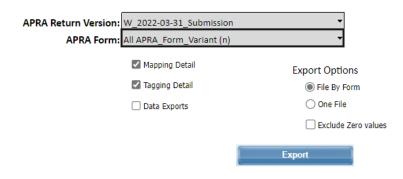
New features were added to the Audit Reporting Features:

- 1. Add an option to export all forms to CSV by form vs all in one CSV.
- 2. Add an option to exclude zero values.
- 3. Put the output in a date-time-stamped folder

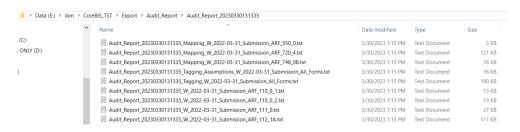
**Test Goals:** Test the new features of the Audit Reporting updates.

**Test Method:** Open the Audit Report from the Report Management Section and test wit the selection options below:

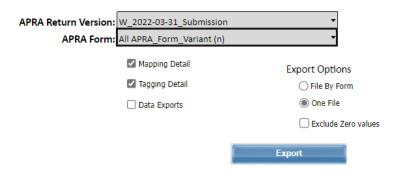
#### File by form option



Export folder: E:\ibm\CoreBIS\_tst\Export\Audit\_Report\



#### All in One

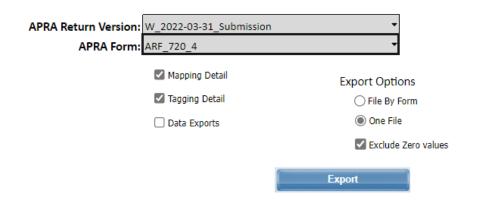


 ${\it Export folder: E:\libm\CoreBIS\_tst\Export\Audit\_Report\}$ 





#### **Excluding Zeros**



Export folder: E:\ibm\CoreBIS\_tst\Export\Audit\_Report\

The report above has zeros, and the report below is zero suppressed. (BSAO28035->36)

```
Audit_Report_20230330131335_W_2022-03-31_Submission_ARF_720_4.txt - Notepad
File Edit Format View Help

"W_2022-03-31_Submission", "DOMESTIC:CoreBIS No.1", "INT_DataSource_Calculation", "ARF_720_4", "ARF_720_4v4", "BSA028067", "", "1088216000", "", ""N", "N", "W_2022-03-31_Submission", "DOMESTIC:CoreBIS No.1", "Total", "ARF_720_4", "ARF_720_4v4", "BSA028032", "", "3850200000", "", "", "NA", "Y"

"W_2022-03-31_Submission", "DOMESTIC:CoreBIS No.1", "Total", "ARF_720_4", "ARF_720_4v4", "BSA028033", "", "1280234000", ", ", "NA", "Y"

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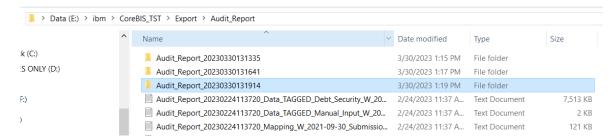
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### Time-stamped folder:



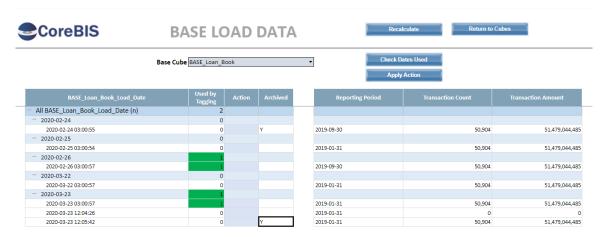


## 3.5 EF144: 7-zip folder assumption (Risk:L)

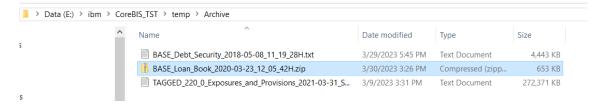
An enhancement was introduced to remove any hardcoded reference to the folder where the zip compression program 7-zip is located. The zip compression folder is now a setting in the SYS CONTROL dimension.

**Test Goals:** Zip compression works with the new settings.

**Test Method:** Archive a Base Period using the Archive function.



Data has been archived in a zip file properly.



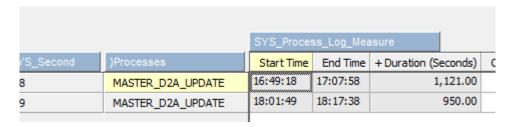


## 3.6 EF145: Speed up D2A update by removing ICLS (Risk:L)

The CoreBIS SQL database update procedure was adjusted to stop processing the ICLS folder, which was not used within CoreBIS. This folder was initially thought to contain relevant standard information, but it is not required. This folder contained over 4000 files, so this should reduce the execution time and size of the database.

**Test Goals:** Test that the D2a update process still works correctly and has been completed quicker than previously with no errors.

**Test Method:** Take note of how long the D2A process takes, then run it with the new code.





## 4. New Features

No New Features to test this month



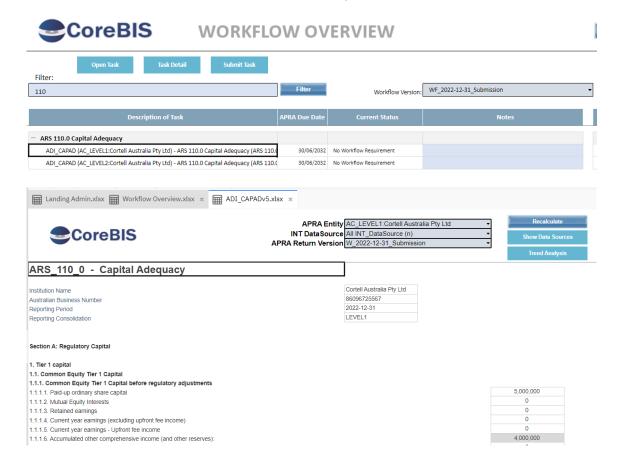
## 5. New Taxonomy

## 5.1 APRA Connect - ARS\_110 Form (Risk: L)

Derivations and rules in the form have been added and corrected.

**Test Goals:** The derivations and rules have been updated in v5 of the form.

**Test Method:** Check that the form is calculated as expected.





## 5.2 APRA Connect - ARS\_115 Form (Risk: L)

This form and derivation rules have been created, and a setup process can apply reporting period offsets for clients that use this form.

Test Goals: A new ARS\_115\_0v5 form has been created with new attributes and derivations.

**Test Method:** Check that the new form works as expected.

