

**BV REPORTING DASHBOARD**

**HIGH LEVEL DOCUMENTATION**

*Project Name:<Looker Migration>*

*Date: 15/11/2024*

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# Document Control Information

## 1.1 Document Content History

| Status | Version | Date | Author | Change Summary |
| --- | --- | --- | --- | --- |
| Initial Draft | V1.0 | 13-11-2024 | Abhay H S | Initial draft |

## Key Reviewers

| Department | Role | Name |
| --- | --- | --- |
| Vodafone Group | Business Intelligence Manager | Pratip Roy Choudhury |
|  |  |  |

## Key Approvers

| **Role** | **Date** | **Name** |
| --- | --- | --- |
|  |  |  |

## Approvals / Authorisations

|  |  |  |  |
| --- | --- | --- | --- |
| The approval/authorisations are confirming the latest version of this document has been prepared using the appropriate process. This is usually the author’s line manager. They are not approving the content. | | | |
|  | Prepared By | Approved By | Approval E-mail |
| **Name** | Abhay H S | <Name of Approval Authoirty> | <Embed Approval e-mail> |
| **Position** |  | <Role of Approval Authority> |
| **Department** | \_ | <Department> |
| **Document Reference** |  | | |
| **Version Number** | 1.0 Draft | | |
| **Date** |  | | |

# Supporting Source Input

## 2.1 Source

The Dashboard uses the data from the main source table `vf-uk-raid-prd.raid\_summaries.VF\_BV\_BO\_REPORTING` on which the transformation and ETL is done, as mentioned in the SQL query, To incorporate changes business do daily refresh of the data.

## 2.2 Referenced

|  |  |
| --- | --- |
| [1] | [Walkthrough on SOX(BV), NewCo Postpay(Appendix) & Daily Rev - All-20241023\_201158-Meeting Recording.mp4](https://vodafone.sharepoint.com/sites/TeamLooker/_layouts/15/stream.aspx?id=%2Fsites%2FTeamLooker%2FShared%20Documents%2FGeneral%2FRequirements%2FRecordings%2FWalkthrough%20on%20SOX%28BV%29%2C%20NewCo%20Postpay%28Appendix%29%20%26%20Daily%20Rev%20%2D%20All%2D20241023%5F201158%2DMeeting%20Recording%2Emp4&referrer=StreamWebApp%2EWeb&referrerScenario=AddressBarCopied%2Eview%2E33785700%2Df6fa%2D4ed3%2D80e0%2Dc68cb0a00dc2) |

# Summary

BV Reporting dashboard holds charts and table which are based on Billing validation of all product types displaying sub count, expected rate, actual rate, negative , positive and Inv accuracy.

## 3.1 Objectives

The objective of BV Reporting dashboard is to:

1. Keep a report of billing validation of different product types.

This document outlines the design specification of the data migration It provides a view of the communication and integration points between different teams / applications involved in migration.

This document defines:

* Which systems are responsible for providing which data and functionalities
* How interactions will happen to provide certain data and functionalities
* Where high-level data entities are mastered
* How data is processed within the ETL i.e., various migration phases and logic/principles to be followed on each phase
* Where, how, and when data needs to be moved from one source to a destination

## 3.2 Key KPIs

* Month wise All Plan Sub count, Expected rate, Actual count, Neg, Pos and Inv\_accuracy.
* Month wise ‘Mobile’ Sub count, Expected rate, Actual count, Neg, Pos and Inv\_accuracy.
* Month wise ‘HBB’ Sub count, Expected rate, Actual count, Neg, Pos and Inv\_accuracy.
* Month wise ‘Mobile Broadband’ Sub count, Expected rate, Actual count, Neg, Pos and Inv\_accuracy.
* Month wise ‘Fixed’ Sub count, Expected rate, Actual count, Neg, Pos and Inv\_accuracy.
* Month wise ‘DVA’ Sub count, Expected rate, Actual count, Neg, Pos and Inv\_accuracy.
* Daily ‘Mobile’ Sub count, Expected rate, Actual count, Neg, Pos and Inv\_accuracy.

# Specification

## 4.1 Dashboard detailed specifications

**Data Calculation & Visualization:** For BV Reporting dashboard the data comes from base table directly by writing a select query.

**Data Source:** For BV Reporting dashboard, the base table `vf-uk-raid-prd.raid\_summaries.VF\_BV\_BO\_REPORTING` is the data source.

**Frequency of Load**:. It is set to auto refresh every day

**Historic Data:** Currently the view is of current month & last three month charts. But on the looker there’s an option to go back further so we can set it to go at 2 Months. Such filter option is very useful and such functionality should be there in qlik dashboard.

**Data Views:** The BV Reporting dashboard shows many tables and a trend line chart.

**Dashboard Download:** There is an option to send the dashboard as pdf through e-mail so the user don’t even have to go to looker. It is a very important requirement since the pdf shows what the view was on any specific day and saved for analysis or for audit purpose. It will help to compare what’s changed in comparison to yesterday’s view Vs today’s view. It can be scheduled or through email. It can be automated email that send across the pdf. The conflict here is that it doesn’t have the filter options and we have only one standard view. They can group 20-30 graphs and send specific section of data to specific set of people. Some section data goes to 3-4 people and some goes to around 10 people.

**Reference of Other Dashboard:**

**Data Hosting:** Due to security Risk, The data needs to be held in England, not offshore. Viable option of hosting it in AWS needs to be figured out.

**Security Approval:** To connect AWS to GCP, Steve will support approvals from margin assurance point of view, but not from a security point of view that would need to come from the security directory.

**Current Challenges in looker for this dashboard:  
  
Irregularities:**

1. The name have been wrong in some charts.
2. The chart ‘Mobile BV Report - Per Day (Copy)’ has an unconventional demenion name, also the chart name no need to displayed as ‘(Copy)’

## Modelling of data and data extract

**All Plans BV Report - per month**

|  |  |  |  |
| --- | --- | --- | --- |
| **Query Type** | **Columns / part** | **Query** | **Description** |
| **Select query** | **Select** | SELECT | Selects the particular columns from the data table. |
| DATE\_ | (FORMAT\_DATE('%Y-%m', cast(vf\_bv\_bo\_reporting.DATE\_ as date) )) AS vf\_bv\_bo\_reporting\_date\_\_month, | Formats DATE\_ to YYYY-MM and aliases it as vf\_bv\_bo\_reporting\_date\_\_month. |
| SUB\_COUNT | COALESCE(SUM(vf\_bv\_bo\_reporting.SUB\_COUNT ), 0) AS vf\_bv\_bo\_reporting\_sub\_count, | Sums SUB\_COUNT, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_sub\_count. |
| EXPECTED\_RATE | COALESCE(SUM(vf\_bv\_bo\_reporting.EXPECTED\_RATE ), 0) AS vf\_bv\_bo\_reporting\_expected\_rate, | Sums EXPECTED\_RATE, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_expected\_rate. |
| ACTUAL\_RATE | COALESCE(SUM(vf\_bv\_bo\_reporting.ACTUAL\_RATE ), 0) AS vf\_bv\_bo\_reporting\_actual\_rate, | Sums ACTUAL\_RATE, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_actual\_rate. |
| NEG | COALESCE(SUM(vf\_bv\_bo\_reporting.NEG ), 0) AS vf\_bv\_bo\_reporting\_neg, | Sums NEG, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_neg. |
| POS | COALESCE(SUM(vf\_bv\_bo\_reporting.POS ), 0) AS vf\_bv\_bo\_reporting\_pos | Sums POS, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_pos. |
| **From table** | FROM `vf-uk-raid-prd.raid\_summaries.VF\_BV\_BO\_REPORTING` AS vf\_bv\_bo\_reporting | Data table name from where the data is being pulled and stores it in another name. |
| **Group by** | GROUP BY  1, | groups the query results by the first column. |
| **Order by** | ORDER BY  1 DESC | Orders the query results by the first column in descending. |
| **Limit** | LIMIT 500 | restricts the query results to a maximum of 500 rows. |

**Mobile BV Report - per month**

|  |  |  |  |
| --- | --- | --- | --- |
| **Query Type** | **Columns / part** | **Query** | **Description** |
| **Select query** | **Select** | SELECT | Selects the particular columns from the data table. |
| DATE\_ | (FORMAT\_DATE('%Y-%m', cast(vf\_bv\_bo\_reporting.DATE\_ as date) )) AS vf\_bv\_bo\_reporting\_date\_\_month, | Formats DATE\_ to YYYY-MM and aliases it as vf\_bv\_bo\_reporting\_date\_\_month. |
| SUB\_COUNT | COALESCE(SUM(vf\_bv\_bo\_reporting.SUB\_COUNT ), 0) AS vf\_bv\_bo\_reporting\_sub\_count, | Sums SUB\_COUNT, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_sub\_count. |
| EXPECTED\_RATE | COALESCE(SUM(vf\_bv\_bo\_reporting.EXPECTED\_RATE ), 0) AS vf\_bv\_bo\_reporting\_expected\_rate, | Sums EXPECTED\_RATE, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_expected\_rate. |
| ACTUAL\_RATE | COALESCE(SUM(vf\_bv\_bo\_reporting.ACTUAL\_RATE ), 0) AS vf\_bv\_bo\_reporting\_actual\_rate, | Sums ACTUAL\_RATE, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_actual\_rate. |
| NEG | COALESCE(SUM(vf\_bv\_bo\_reporting.NEG ), 0) AS vf\_bv\_bo\_reporting\_neg, | Sums NEG, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_neg. |
| POS | COALESCE(SUM(vf\_bv\_bo\_reporting.POS ), 0) AS vf\_bv\_bo\_reporting\_pos | Sums POS, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_pos. |
| **From table** | FROM `vf-uk-raid-prd.raid\_summaries.VF\_BV\_BO\_REPORTING` AS vf\_bv\_bo\_reporting | Data table name from where the data is being pulled and stores it in another name. |
| **Condition** | WHERE (vf\_bv\_bo\_reporting.PRODUCT\_NAME ) = 'Mobile Phone Plan' | filters the data to include only rows where PRODUCT\_NAME is 'Mobile Phone Plan'. |
| **Group by** | GROUP BY  1, | groups the query results by the first column. |
| **Order by** | ORDER BY  1 DESC | Orders the query results by the first column in descending. |
| **Limit** | LIMIT 500 | restricts the query results to a maximum of 500 rows. |

**HBB - per month**

|  |  |  |  |
| --- | --- | --- | --- |
| **Query Type** | **Columns / part** | **Query** | **Description** |
| **Select query** | **Select** | SELECT | Selects the particular columns from the data table. |
| DATE\_ | (FORMAT\_DATE('%Y-%m', cast(vf\_bv\_bo\_reporting.DATE\_ as date) )) AS vf\_bv\_bo\_reporting\_date\_\_month, | Formats DATE\_ to YYYY-MM and aliases it as vf\_bv\_bo\_reporting\_date\_\_month. |
| SUB\_COUNT | COALESCE(SUM(vf\_bv\_bo\_reporting.SUB\_COUNT ), 0) AS vf\_bv\_bo\_reporting\_sub\_count, | Sums SUB\_COUNT, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_sub\_count. |
| EXPECTED\_RATE | COALESCE(SUM(vf\_bv\_bo\_reporting.EXPECTED\_RATE ), 0) AS vf\_bv\_bo\_reporting\_expected\_rate, | Sums EXPECTED\_RATE, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_expected\_rate. |
| ACTUAL\_RATE | COALESCE(SUM(vf\_bv\_bo\_reporting.ACTUAL\_RATE ), 0) AS vf\_bv\_bo\_reporting\_actual\_rate, | Sums ACTUAL\_RATE, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_actual\_rate. |
| NEG | COALESCE(SUM(vf\_bv\_bo\_reporting.NEG ), 0) AS vf\_bv\_bo\_reporting\_neg, | Sums NEG, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_neg. |
| POS | COALESCE(SUM(vf\_bv\_bo\_reporting.POS ), 0) AS vf\_bv\_bo\_reporting\_pos | Sums POS, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_pos. |
| **From table** | FROM `vf-uk-raid-prd.raid\_summaries.VF\_BV\_BO\_REPORTING` AS vf\_bv\_bo\_reporting | Data table name from where the data is being pulled and stores it in another name. |
| **Condition** | WHERE (vf\_bv\_bo\_reporting.PRODUCT\_NAME ) = 'Broadband Plan' | filters the data to include only rows where PRODUCT\_NAME is 'Broadband Plan' |
| **Group by** | GROUP BY  1, | groups the query results by the first column. |
| **Order by** | ORDER BY  1 DESC | Orders the query results by the first column in descending. |
| **Limit** | LIMIT 500 | restricts the query results to a maximum of 500 rows. |

**Mobile Broadband BV Report - per month**

|  |  |  |  |
| --- | --- | --- | --- |
| **Query Type** | **Columns / part** | **Query** | **Description** |
| **Select query** | **Select** | SELECT | Selects the particular columns from the data table. |
| DATE\_ | (FORMAT\_DATE('%Y-%m', cast(vf\_bv\_bo\_reporting.DATE\_ as date) )) AS vf\_bv\_bo\_reporting\_date\_\_month, | Formats DATE\_ to YYYY-MM and aliases it as vf\_bv\_bo\_reporting\_date\_\_month. |
| SUB\_COUNT | COALESCE(SUM(vf\_bv\_bo\_reporting.SUB\_COUNT ), 0) AS vf\_bv\_bo\_reporting\_sub\_count, | Sums SUB\_COUNT, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_sub\_count. |
| EXPECTED\_RATE | COALESCE(SUM(vf\_bv\_bo\_reporting.EXPECTED\_RATE ), 0) AS vf\_bv\_bo\_reporting\_expected\_rate, | Sums EXPECTED\_RATE, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_expected\_rate. |
| ACTUAL\_RATE | COALESCE(SUM(vf\_bv\_bo\_reporting.ACTUAL\_RATE ), 0) AS vf\_bv\_bo\_reporting\_actual\_rate, | Sums ACTUAL\_RATE, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_actual\_rate. |
| NEG | COALESCE(SUM(vf\_bv\_bo\_reporting.NEG ), 0) AS vf\_bv\_bo\_reporting\_neg, | Sums NEG, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_neg. |
| POS | COALESCE(SUM(vf\_bv\_bo\_reporting.POS ), 0) AS vf\_bv\_bo\_reporting\_pos | Sums POS, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_pos. |
| **From table** | FROM `vf-uk-raid-prd.raid\_summaries.VF\_BV\_BO\_REPORTING` AS vf\_bv\_bo\_reporting | Data table name from where the data is being pulled and stores it in another name. |
| **Condition** | WHERE (vf\_bv\_bo\_reporting.PRODUCT\_NAME ) = 'Mobile Broadband Plan' | filters the data to include only rows where PRODUCT\_NAME is 'Mobile Broadband Plan' |
| **Group by** | GROUP BY  1, | groups the query results by the first column. |
| **Order by** | ORDER BY  1 DESC | Orders the query results by the first column in descending. |
| **Limit** | LIMIT 500 | restricts the query results to a maximum of 500 rows. |

**Fixed BV Report - per month**

|  |  |  |  |
| --- | --- | --- | --- |
| **Query Type** | **Columns / part** | **Query** | **Description** |
| **Select query** | **Select** | SELECT | Selects the particular columns from the data table. |
| DATE\_ | (FORMAT\_DATE('%Y-%m', cast(vf\_bv\_bo\_reporting.DATE\_ as date) )) AS vf\_bv\_bo\_reporting\_date\_\_month, | Formats DATE\_ to YYYY-MM and aliases it as vf\_bv\_bo\_reporting\_date\_\_month. |
| SUB\_COUNT | COALESCE(SUM(vf\_bv\_bo\_reporting.SUB\_COUNT ), 0) AS vf\_bv\_bo\_reporting\_sub\_count, | Sums SUB\_COUNT, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_sub\_count. |
| EXPECTED\_RATE | COALESCE(SUM(vf\_bv\_bo\_reporting.EXPECTED\_RATE ), 0) AS vf\_bv\_bo\_reporting\_expected\_rate, | Sums EXPECTED\_RATE, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_expected\_rate. |
| ACTUAL\_RATE | COALESCE(SUM(vf\_bv\_bo\_reporting.ACTUAL\_RATE ), 0) AS vf\_bv\_bo\_reporting\_actual\_rate, | Sums ACTUAL\_RATE, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_actual\_rate. |
| NEG | COALESCE(SUM(vf\_bv\_bo\_reporting.NEG ), 0) AS vf\_bv\_bo\_reporting\_neg, | Sums NEG, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_neg. |
| POS | COALESCE(SUM(vf\_bv\_bo\_reporting.POS ), 0) AS vf\_bv\_bo\_reporting\_pos | Sums POS, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_pos. |
| **From table** | FROM `vf-uk-raid-prd.raid\_summaries.VF\_BV\_BO\_REPORTING` AS vf\_bv\_bo\_reporting | Data table name from where the data is being pulled and stores it in another name. |
| **Condition** | WHERE (vf\_bv\_bo\_reporting.PRODUCT\_NAME ) = 'Fixed Line Plan' | filters the data to include only rows where PRODUCT\_NAME is 'Fixed Line Plan' |
| **Group by** | GROUP BY  1, | groups the query results by the first column. |
| **Order by** | ORDER BY  1 DESC | Orders the query results by the first column in descending. |
| **Limit** | LIMIT 500 | restricts the query results to a maximum of 500 rows. |

**DVA BV Report - per month**

|  |  |  |  |
| --- | --- | --- | --- |
| **Query Type** | **Columns / part** | **Query** | **Description** |
| **Select query** | **Select** | SELECT | Selects the particular columns from the data table. |
| DATE\_ | (FORMAT\_DATE('%Y-%m', cast(vf\_bv\_bo\_reporting.DATE\_ as date) )) AS vf\_bv\_bo\_reporting\_date\_\_month, | Formats DATE\_ to YYYY-MM and aliases it as vf\_bv\_bo\_reporting\_date\_\_month. |
| SUB\_COUNT | COALESCE(SUM(vf\_bv\_bo\_reporting.SUB\_COUNT ), 0) AS vf\_bv\_bo\_reporting\_sub\_count, | Sums SUB\_COUNT, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_sub\_count. |
| EXPECTED\_RATE | COALESCE(SUM(vf\_bv\_bo\_reporting.EXPECTED\_RATE ), 0) AS vf\_bv\_bo\_reporting\_expected\_rate, | Sums EXPECTED\_RATE, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_expected\_rate. |
| ACTUAL\_RATE | COALESCE(SUM(vf\_bv\_bo\_reporting.ACTUAL\_RATE ), 0) AS vf\_bv\_bo\_reporting\_actual\_rate, | Sums ACTUAL\_RATE, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_actual\_rate. |
| NEG | COALESCE(SUM(vf\_bv\_bo\_reporting.NEG ), 0) AS vf\_bv\_bo\_reporting\_neg, | Sums NEG, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_neg. |
| POS | COALESCE(SUM(vf\_bv\_bo\_reporting.POS ), 0) AS vf\_bv\_bo\_reporting\_pos | Sums POS, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_pos. |
| **From table** | FROM `vf-uk-raid-prd.raid\_summaries.VF\_BV\_BO\_REPORTING` AS vf\_bv\_bo\_reporting | Data table name from where the data is being pulled and stores it in another name. |
| **Condition** | WHERE (vf\_bv\_bo\_reporting.PRODUCT\_NAME ) = 'DVA Line Rental' | filters the data to include only rows where PRODUCT\_NAME is 'DVA Line Rental' |
| **Group by** | GROUP BY  1, | groups the query results by the first column. |
| **Order by** | ORDER BY  1 DESC | Orders the query results by the first column in descending. |
| **Limit** | LIMIT 500 | restricts the query results to a maximum of 500 rows. |

**Mobile BV Report - Per Day**

|  |  |  |  |
| --- | --- | --- | --- |
| **Query Type** | **Columns / part** | **Query** | **Description** |
| **Select query** | **Select** | SELECT | Selects the particular columns from the data table. |
| DATE\_ | (cast(vf\_bv\_bo\_reporting.DATE\_ as date) ) AS vf\_bv\_bo\_reporting\_date\_\_date | casts DATE\_ to a date format and aliases it as vf\_bv\_bo\_reporting\_date\_\_date. |
| SUB\_COUNT | COALESCE(SUM(vf\_bv\_bo\_reporting.SUB\_COUNT ), 0) AS vf\_bv\_bo\_reporting\_sub\_count, | Sums SUB\_COUNT, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_sub\_count. |
| EXPECTED\_RATE | COALESCE(SUM(vf\_bv\_bo\_reporting.EXPECTED\_RATE ), 0) AS vf\_bv\_bo\_reporting\_expected\_rate, | Sums EXPECTED\_RATE, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_expected\_rate. |
| ACTUAL\_RATE | COALESCE(SUM(vf\_bv\_bo\_reporting.ACTUAL\_RATE ), 0) AS vf\_bv\_bo\_reporting\_actual\_rate, | Sums ACTUAL\_RATE, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_actual\_rate. |
| NEG | COALESCE(SUM(vf\_bv\_bo\_reporting.NEG ), 0) AS vf\_bv\_bo\_reporting\_neg, | Sums NEG, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_neg. |
| POS | COALESCE(SUM(vf\_bv\_bo\_reporting.POS ), 0) AS vf\_bv\_bo\_reporting\_pos | Sums POS, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_pos. |
| **From table** | FROM `vf-uk-raid-prd.raid\_summaries.VF\_BV\_BO\_REPORTING` AS vf\_bv\_bo\_reporting | Data table name from where the data is being pulled and stores it in another name. |
| **Condition** | WHERE (vf\_bv\_bo\_reporting.PRODUCT\_NAME ) = 'Mobile Phone Plan' | filters the data to include only rows where PRODUCT\_NAME is 'Mobile Phone Plan' |
| **Group by** | GROUP BY  1, | groups the query results by the first column. |
| **Order by** | ORDER BY  1 DESC | Orders the query results by the first column in descending. |
| **Limit** | LIMIT 500 | restricts the query results to a maximum of 500 rows. |

**Mobile BV Report - Per Day(copy)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Query Type** | **Columns / part** | **Query** | **Description** |
| **Select query** | **Select** | SELECT | Selects the particular columns from the data table. |
| DATE\_ | (cast(vf\_bv\_bo\_reporting.DATE\_ as date) ) AS vf\_bv\_bo\_reporting\_date\_\_date | casts DATE\_ to a date format and aliases it as vf\_bv\_bo\_reporting\_date\_\_date. |
| NEG | COALESCE(SUM(vf\_bv\_bo\_reporting.NEG ), 0) AS vf\_bv\_bo\_reporting\_neg, | Sums NEG, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_neg. |
| POS | COALESCE(SUM(vf\_bv\_bo\_reporting.POS ), 0) AS vf\_bv\_bo\_reporting\_pos | Sums POS, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_pos. |
| EXPECTED\_RATE | COALESCE(SUM(vf\_bv\_bo\_reporting.EXPECTED\_RATE ), 0) AS vf\_bv\_bo\_reporting\_expected\_rate, | Sums EXPECTED\_RATE, replaces nulls with 0, and aliases it as vf\_bv\_bo\_reporting\_expected\_rate. |
| **From table** | FROM `vf-uk-raid-prd.raid\_summaries.VF\_BV\_BO\_REPORTING` AS vf\_bv\_bo\_reporting | Data table name from where the data is being pulled and stores it in another name. |
| **Condition** | WHERE (vf\_bv\_bo\_reporting.PRODUCT\_NAME ) = 'Mobile Phone Plan' | filters the data to include only rows where PRODUCT\_NAME is 'Mobile Phone Plan' |
| **Group by** | GROUP BY  1, | groups the query results by the first column. |
| **Order by** | ORDER BY  1 DESC | Orders the query results by the first column in descending. |
| **Limit** | LIMIT 500 | restricts the query results to a maximum of 500 rows. |

4.3 Calculated Fields:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sr. No. | Name | Column | Table | Expression |
| 1 | **EDW\_vs\_Gemini\_%** | Gemini\_value, EDW\_value | daily\_dashboard\_legacy | ${daily\_dashboard\_legacy.EDW\_value}/${daily\_dashboard\_legacy.Gemini\_value} |

# Dashboard & Reports

## 5.1 Dashboard Analysis

**All Plans BV Report - per month**

**Dimension**: Date Month

**Measure**: , Sub count, Expected Rate, Actual Rate, Neg, Pos, Inv\_accuracy (Inv\_accuracy needs to be indicated in Red (when bellow 99.8%) or Green (above 99.8%)

A screenshot of a computer

Description automatically generated

**Mobile BV Report - per month**

**Dimension**: Date Month

**Measure**: Sub count, Expected Rate, Actual Rate, Neg, Pos, Inv\_accuracy (Inv\_accuracy needs to be indicated in Red (when bellow 99.8%) or Green (above 99.8%)

A screenshot of a report

Description automatically generated

**HBB - per month**

**Dimension**: Date Month

**Measure**: , Sub count, Expected Rate, Actual Rate, Neg, Pos, Inv\_accuracy (Inv\_accuracy needs to be indicated in Red (when bellow 99.8%) or Green (above 99.8%)

**A screenshot of a calendar

Description automatically generated**

**Mobile Broadband BV Report - per month**

**Dimension**: Date Month

**Measure**: , Sub count, Expected Rate, Actual Rate, Neg, Pos, Inv\_accuracy (Inv\_accuracy needs to be indicated in Red (when bellow 99.8%) or Green (above 99.8%)

A screenshot of a report

Description automatically generated

**Fixed BV Report - per month**

**Dimension**: Date Month

**Measure**: , Sub count, Expected Rate, Actual Rate, Neg, Pos, Inv\_accuracy (Inv\_accuracy needs to be indicated in Red (when bellow 99.8%) or Green (above 99.8%)

A screenshot of a computer

Description automatically generated

**DVA BV Report - per month**

**Dimension**: Date Month

**Measure**: , Sub count, Expected Rate, Actual Rate, Neg, Pos, Inv\_accuracy (Inv\_accuracy needs to be indicated in Red (when bellow 99.8%) or Green (above 99.8%)

A screenshot of a computer screen

Description automatically generated

**Mobile BV Report - Per Day**

**Dimension**: Date Month

**Measure**: , Sub count, Expected Rate, Actual Rate, Neg, Pos, Inv\_accuracy (Inv\_accuracy needs to be indicated in Red (when bellow 99.8%) or Green (above 99.8%)

A screenshot of a graph

Description automatically generated

**Mobile BV Report - Per Day (Copy)**

**Dimension**: Date

**Measure**: Inv\_accuracy

A screenshot of a graph

Description automatically generated

# Appendices

## 6.1 Assumptions

|  |  |
| --- | --- |
| **Sr No** | **Assumption** |
| 1 | The account management solution will be implemented prior to the implementation of this design. |
| 2 |  |
| 3 |  |
| 4 |  |

## 6.2 Business Impact

## 6.3 Risk

|  |  |
| --- | --- |
| **Sr No** | **Risk** |
| 1 | GCP Access |
| 2 | Dashboard performance may be impacted due to frequent data load. |
| 3 |  |
| 4 |  |