Appendix B: Test Cases

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| **Test Case Number:** | **TC-08** | **Run#\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |

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| **Test Objective:** | * 7.5.3: The system shall include pre-defined calculated fields and lookup fields, which shall be used for reporting purposes. * 8.13.11: The system shall support the creation of several delimiter-separated fields to provide summarization and make reporting easier. * 8.13.12: The system shall apply sorting based on the Sort ID for all the delimiter-separated fields which means, the system shall display data in the same order in which these are displayed in the safety system. * 8.13.13: The system shall populate the data with Null Flavor values in a case as available in Argus. |

1. **Setup Requirements**

The following are the setups that have to be in place prior to execution of the test case:

| **Step #** | **Setup Requirement Descriptions** | **Initials/Date** |
| --- | --- | --- |
|  | Tester should have access to SQL Developer. |  |
|  | Tester should have connection details for the CEDAR, ETL and Data Mart schemas. |
|  | Tester should have credentials for a user with privileges to query on Data Mart Tables. |
|  | Database connection is created before the execution of this script. |
|  | Last ETL refresh should be executed successfully. |  |
|  | Tester should ensure that there is no running ETL. |  |
|  | Tester should have access to the BeiGene Safety Data Mart (BSDM) [Design Specification] document. |  |
|  | There is no pre-defined ETL execution configuration in place. |  |

1. **Test Data Values**

The Test Setup and Test Case have been written using variable names for actual values. The values for each of these variables are described in the following table, and the value that is used is recorded in the table.

| **Variable** | **Description** | **Test Data Value** | **Initials/Date** |
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| [ETL\_SCHEMA] | Name of the schema to access Database records. |  |  |
| [TDS\_1] | Name of the test data sheet. |  |  |

1. **Testing**

| **TC-08- <test description>** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **Step** | **Instruction** | **Expected Result(s)** | **Actual Result(s)/Deviation#** | **Pass/Fail** | **Initial/Date** |
|  | Launch SQL developer. | SQL developer is displayed. | SQL developer \_\_\_\_\_\_\_ displayed. |  |  |
|  | Click on [ETL\_Schema] connection and wait for the connection to establish.  **Attach the screenshot.** | Connection is established and new tab is displayed for this connection. | Connection \_\_\_\_\_\_\_ established and new tab \_\_\_\_\_\_\_ displayed for this connection.  **Attachment**: TC-01-\_\_\_\_\_\_  step# |  |  |
|  | Create the **DM\_MQ\_RESULTS** table.  Execute the query **Q1** present in the **[TDS\_1]**.  Verify that the **DM\_MQ\_RESULTS** table is created successfully.  **Attach the screenshot.**  **Note:**  In all the queries present in **[TDS\_1]** replace the following variables:  1. [ETL\_SCHEMA]: Name of the ETL Schema  2. [MART\_SCHEMA]: Name of the Mart Schema | The query **Q1** is executed successfully.  **DM\_MQ\_RESULTS** table is created successfully. | The query \_\_\_\_\_\_\_ executed successfully.  **DM\_MQ\_RESULTS** table \_\_\_\_\_\_\_ created successfully.  **Attachment**: TC-01-\_\_\_\_\_\_  step# |  |  |
|  | Insert data into **DM\_MQ\_RESULTS** table.  Execute the queries present in **Q2** of the **[TDS\_1]**.  **Attach the screenshot.** | Queries are executed successfully.  Data is inserted into the **DM\_MQ\_RESULTS** table. | Queries \_\_\_\_\_\_\_\_ executed successfully.  Data \_\_\_\_\_\_\_ inserted into the **DM\_MQ\_RESULTS** table.  **Attachment**: TC-01-\_\_\_\_\_\_  step# |  |  |
|  | Create Procedure **P\_CREATE\_PROC\_CALCULATED\_FIELD\_VERIFICATION**  Execute the query present in **Q3** of the **[TDS\_1]**.  Verify that the procedure is created without any compilation error.  **Attach the screenshot.** | **P\_CREATE\_PROC\_CALCULATED\_FIELD\_VERIFICATION** procedure is created successfully without any error. | **P\_CREATE\_PROC\_FIELD\_VERIFICATION** procedure \_\_\_\_\_\_\_ created successfully without any error.  **Attachment**: TC-01-\_\_\_\_\_\_  step# |  |  |
|  | Execute the procedure.  Execute the query **Q4** present in **[TDS\_1]** to execute the procedure **P\_CREATE\_PROC\_CALCULATED\_FIELD\_VERIFICATION**.  **Attach the screenshot.** | **P\_CREATE\_PROC\_CALCULATED\_FIELD\_VERIFICATION**  procedure is executed successfully. | **P\_CREATE\_PROC\_FIELD\_VERIFICATION**  procedure \_\_\_\_\_\_\_ executed successfully.  **Attachment**: TC-01-\_\_\_\_\_\_  step# |  |  |
|  | Execute the query **Q5** present in **[TDS\_1]** to view all the records of **DM\_MQ\_RESULTS** table.  **Attach the screenshot.** | The query is executed successfully, and all the records are displayed. | The query \_\_\_\_\_\_\_ executed successfully, and all the records \_\_\_\_\_\_\_ displayed.  **Attachment**: TC-01-\_\_\_\_\_\_  step# |  |  |
|  | **Match the query result**:  Match the name of all the calculated fields displayed in **COLUMN\_LIST** column corresponding to each **SRC\_TABLE\_NAME** and **TGT\_TABLE\_NAME** with BeiGene Safety Data Mart [Design Specification] document.  Also, match the records of the following columns corresponding to each SRC\_TABLE\_NAME and TGT\_TABLE\_NAME:  1. Match the count of **Count\_S\_Minus\_T** and **Count\_T\_Minus\_S** columns  2. **Status** column is displayed as **‘Successful’** or **‘Null’.**  3. **Error\_Message** columnis displayed as ‘**Null**’.  Verify that all the calculated fields as per BeiGene Safety Data Mart [Design Specification] document are available in Mart without any error.  **Attach the screenshot.** | All the calculated fields are correctly mapped as per BSDM Design Specification document.  Following records are also verified:  1.Count of **Count\_S\_Minus\_T** and **Count\_T\_Minus\_S**  2. **Status** column is displayed as ‘**Successful**’ or ‘**Null**’  3. **Error\_Message** column is displayed as ‘**Null**’ | All the calculated fields \_\_\_\_\_\_\_\_ correctly mapped as per BSDM Design Specification document.  Following records \_\_\_\_\_\_\_ also verified:  1.Count of **Count\_S\_Minus\_T** and **Count\_T\_Minus\_S**  2. **Status** column \_\_\_\_\_\_\_ displayed as ‘**Successful**’ or ‘**Null**’  3. **Error\_Message** column \_\_\_\_\_\_\_ displayed as ‘**Null**’  **Attachment**: TC-01-\_\_\_\_\_\_  step# |  |  |
|  | Execute query **Q6** present in **[TDS\_1]** to ensure that there is no error in Mart.  Verify that query does not return any row.  **Attach the screenshot.** | No rows are returned. | \_\_\_\_\_\_\_ are returned.  **Attachment**: TC-01-\_\_\_\_\_\_  step# |  |  |
|  | Right click on [ETL\_Schema] connection name. > Click on ‘Disconnect’ option.  Close SQL developer. | [ETL\_Schema] connection is now disconnected.  SQL developer is closed. | [ETL\_Schema] connection \_\_\_\_\_\_\_ disconnected.  SQL developer \_\_\_\_\_\_\_ closed. |  |  |

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| **Test Case Result** | **Comments** |
| **Pass**  **Fail** |  |

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| **Tester Signature** | **Date Executed** |
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| **Reviewer Signature** | **Date Reviewed** |
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