# Oracle® Banking Virtual Account Management Troubleshooting Guide



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ORACLE

Oracle Banking Virtual Account Management Troubleshooting Guide, Release 14.7.5.0.0

G15739-01

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## Preface

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## Purpose

This guide provides the guidance to users for the issues within the application. It describes the various methods to figure out the error and then troubleshoot it.

## Audience

This guide is intended for the software developers and software testers.

## **Documentation Accessibility**

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## **Critical Patches**

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Bulletins. All critical patches should be applied in a timely manner to ensure effective security, as strongly recommended by Oracle Software Security Assurance.

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## Conventions

The following text conventions are used in this document:

| Convention | Meaning  |
|------------|--|
| boldface   | Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.         |
| italic     | Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.                          |
| monospace  | Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter. |

## Screenshot Disclaimer

Personal information used in the interface or documents are dummy and does not exist in the real world. It is only for reference purposes.

## Acronyms and Abbreviations

The list of the acronyms and abbreviations used in this guide are as follows:

| Table 1 | Acronyms and Abbreviations |
|---------|----------------------------|
|---------|----------------------------|

| Abbreviation | Description                   |
|--------------|-------------------------------|
| SMS          | Security Management System    |
| CMC          | Common Core                   |
| MOC          | Mid office Common Core        |
| ELK          | Elasticsearch Logstash Kibana |

## List of Topics

This guide is organized as follows:

#### Table 2 List of Topics

| Topics  | Description   |
|---|---|
| Troubleshooting Technical<br>Flows                  | This topic provides the information about the platform-wide<br>troubleshooting of technical flows. It includes UI side checking, Service<br>side logs, tracing using Zipkin, debugging using ELK stack, and some<br>environmental issues of Weblogic.   |
| Troubleshooting Kafka                               | This topic provides the information on the troubleshooting kafka.   |
| Health Checks                                       | This topic provides the information about the health check measures and observability required.   |
| Troubleshooting Functional<br>Workflows             | This topic provides the information about the Oracle® Banking Virtual Account Management Cloud Service specific troubleshooting flows and specific data stores that can be checked for issues. It includes Oracle® Banking Virtual Account Management Cloud Service sub-domain (wars) and high-level flow of Cash Deposit transaction and key Process Log table to be checked to troubleshoot transaction flow. |
| Troubleshooting<br>OutOfMemory issues               | This topic provides the information on troubleshooting OutOfMemory issues.  |
| Troubleshooting<br>Deployment Errors/<br>Exceptions | This topic provides the troubleshooting information for Errors/Exceptions that can occur due to flyway while deployment.  |

## Prerequisites

#### Prerequisites

The prerequisites are as follows:

- Basic understanding of Eventing platform
- Basic understanding application log analysis using tools
- Basic understanding DB changes

#### **Pre-installed Softwares**

The following softwares should be pre-installed:

- Zipkin
- Kafka
- ELK
- Any SQL Database like SQLDEVELOPER
- WinSCP

## **General Prevention**

Do not make any changes to Flyway scripts manually.

## **Best Practices**

The best practices are as follows:



- It is ideal to have ELK stack installed on a separate VM outside the product VMs to ensure the flow of logs in case of an app crash.
- Log levels can be adjusted to INFO and above to enable relevant logs to flow in.

## **Related Resources**

The related documents are as follows:

- Oracle Banking Common Core User Guide
- Oracle Banking Getting Started User Guide
- Oracle Banking Security Management System User Guide
- Overview User Guide
- Charges User Guide
- Configuration User Guide
- Customer and Accounts User Guide
- Identifier User Guide
- Transactions User Guide



# 1 Troubleshooting Technical Flows

This topic describes about various programming issues, possible causes, and solutions to resolve the issues.

This topic contains the following subtopics:

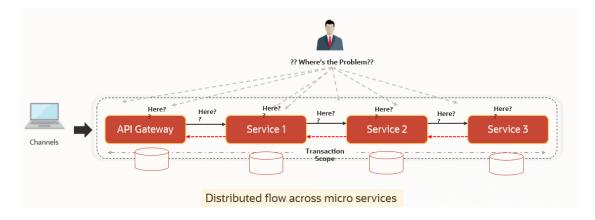
- Where is the Problem This topic describes about troubleshooting the problem in the distributed system.
- Preliminary Checks from UI This topic provides systematic instructions to launch the application and check for the basic errors.
- Troubleshooting Environmental Issues This topic describes about the troubleshooting environmental issues.

## 1.1 Where is the Problem

This topic describes about troubleshooting the problem in the distributed system.

Troubleshooting the problem in the distributed system can be challenging, if not understood fully. Each product has UI application components and service side application components. Each side requires different troubleshooting techniques and various logs that can be used to corroborate the problem.

It is important to establish the area of the problem on the service side. It can be achieved by a complete understanding of UI and service side flows along with the data architecture of an application.





## 1.2 Preliminary Checks from UI

This topic provides systematic instructions to launch the application and check for the basic errors.



- 1. Launch the application with delegated URL.
- 2. Press F12 key and select Inspect and See network.
- 3. Verify that all the call responses are successful.

| Elements Co | onsole S | ources Network Performance Memory Appli         | catio | n Lighthous   | e Security              |               |                             | <b>0</b> 4 A | 3   🕻 | 2 |
|-------------|----------|---|-------|---------------|-------------------------|---------------|-----------------------------|--------------|-------|---|
| arch        | ×        | 🜔 🛇 🕎 🔍 🗌 Preserve log 🗌 Disable cach           | ne    | No throttling | v <u>+</u>              |               |                             |              |       | 1 |
| .* Search   | CO       | Filter Hide data URLs All                       | XHR   | LJS CSS Img   | Media Font Doc WS Man   | ifest Other 🗌 | Has blocked cookies 🔲 Block | ed Requests  |       |   |
|             |          | 200 ms 400 ms 600 m                             | s     | 800 m         | s 1000 ms               | 1200 ms       | 1400 ms 1600 m              | s 1800 ms    |       | 2 |
|             |          | Name  | S     | Туре          | Initiator               | Size          | Time                        | Waterfall    |       |   |
|             |          | loader.js                                       | 2     | script        | require.js:5            | 1.2 kB        | 28 ms                       | 1            |       |   |
|             |          | fsgbu-ob-cmn-ct-rs-json-compare.html            | 2     | xhr           | text.js:325             | 4.8 kB        | 35 ms                       |              |       |   |
|             |          | fsgbu-ob-cmn-ct-rs-json-compare.js              | 2     | script        | require.js:5            | 15.4 kB       | 51 ms                       |              |       |   |
|             |          | fsgbu-ob-cmn-ct-rs-json-compare.json            | 2     | xhr           | text.js:325             | 351 B         | 44 ms                       |              |       |   |
|             |          | fsgbu-ob-cmn-ct-rs-json-compare.css             | 2     | stylesheet    | css.js:149              | 850 B         | 46 ms                       |              |       |   |
|             |          | fsgbu-ob-cmn-ct-json-compare.html               | 2     | xhr           | text.js:325             | 3.4 kB        | 44 ms                       |              |       |   |
|             |          | fsgbu-ob-cmn-ct-json-compare.js                 | 2     | script        | require.js:5            | 12.5 kB       | 46 ms                       |              |       |   |
|             |          | fsgbu-ob-cmn-ct-json-compare.json               | 2     | xhr           | text.js:325             | 741 B         | 75 ms                       |              |       |   |
|             |          | fsgbu-ob-cmn-ct-json-compare.css                | 2     | stylesheet    | css.js:149              | 962 B         | 56 ms                       | 4            |       |   |
|             |          | cmnctrsjsoncomparemodel.js                      | 2     | script        | require.js:5            | 4.8 kB        | 36 ms                       | 1            |       |   |
|             |          | ojrowexpander.js                                | 2     | script        | require.js:5            | 107 kB        | 89 ms                       | •            |       |   |
|             |          | jflattenedtreetabledatasource.js                | 2     | script        | require.js:5            | 20.7 kB       | 49 ms                       |              |       |   |
|             |          | ?userId=ADMINUSER1&branchCode=000&ccaName       | 2     | preflight     | Preflight 🚯             | 0 B           | 29 ms                       | 1 I          |       |   |
|             |          | ?userId=ADMINUSER1&branchCode=000&ccaName       | 2     | xhr           | jquery-3.5.1.min.js:2   | 551 B         | 71 ms                       |              |       |   |
|             |          | accounts?includecloseandunauth=true&offset=0&li | 2     | preflight     | Preflight 🚯             | 0 B           | 30 ms                       | 1            |       |   |
|             |          | accounts?includecloseandunauth=true&offset=0&li | 2     | xhr           | jquery-3.5.1.min.js:2   | 17.3 kB       | 282 ms                      |              |       |   |
|             |          | refresh.png                                     | 2     | png           | fsgbu-ob-cmn-ct-act-sum | 4.1 kB        | 31 ms                       |              |       |   |
|             |          | open.png  | 2     | png           | fsgbu-ob-cmn-ct-act-sum | 4.4 kB        | 31 ms                       |              |       |   |
|             |          | arrow.png                                       | 2     | png           | fsgbu-ob-cmn-ct-act-sum | 3.5 kB        | 32 ms                       |              |       |   |
|             |          | authorized.png                                  | 2     | png           | png u-ob-cmn-ct-act-sum | 5.0 kB        | 32 ms                       |              |       |   |
|             |          | unauthorized.png                                | 2     | png           | isguu-ob-cmn-ct-act-sum | 5.3 kB        | 30 ms                       |              |       |   |

Figure 1-2 Call Responses

Note:

Usually Red color indicates non 2xx HTTP response.

Figure 1-3 Non 2xx Response

| 1                               | A   |   | Delever   |   |                            | Charles Announced in A                      |                |                      |     |
|---------------------------------|---|---|---|---|----------------------------|---|----------------|----------------------|-----|
| ccount Description *            | Account Purpose   |   | Balance A   | Availability *  |                            | Fixed Amount in F                           | Pool Currency  |                      |     |
| KEITH                           | 🔀 Error   |   |   |   | ×                          |   |                |                      |     |
| alance Check for Debits         | De  |   |   |   |                            | Account Frozen                              |                |                      |     |
|                                 | Corporate Rang  | ge has not been def   | fined in Branch for re  | espective customer.   |                            |   |                |                      |     |
| verdraft Required               | OV  |   |   |   |                            | Overdraft End Dat                           | te             |                      |     |
|                                 |   |   |   |   | ОК                         | Apr 7, 2018                                 |                | <b></b>              |     |
| nterest Calculation             | Sa.   |   |   |   |                            |   |                |                      |     |
|                                 |   |   |   |   |                            |   | Si             | ave (                |     |
| Elements Console Sources        |   |   |   |   |                            |   |                | A                    |     |
| Console Sources                 | Network Performance M   | emory Application   | Lighthouse Sec  | curity  |                            |   | 06             | A5 🗘                 | :   |
|                                 |   |   | Lighthouse Sec  | ·   |                            |   | <b>©</b> 6     | A5 🗘                 | :   |
| earch × •                       | S S C Preserve log  | Disable cache   | No throttling 🔻 🛛 🛔   | <u>E</u>  | ist Other □ Ha             | s blocked cookies 🗌 Bl                      |                | <b>▲</b> 5 <b>\$</b> | :   |
| arch × •                        | S S C Preserve log  | Disable cache N<br>data URLs All XHR                              | No throttling 🔻 🛛 🛔   | <u>E</u>  | ist Other 🗆 Ha<br>45000 ms | s blocked cookies 🗌 Bl<br>50000 ms 55000 ms |                | ▲5 🗱                 | :   |
| arch × •                        | S V Q Preserve log  | Disable cache N<br>data URLs All XHR                              | No throttling ▼ 1<br>JS CSS Img Media   | È ≛<br>Font Doc WS Manife                                     |                            |   | ocked Requests |                      | 700 |
| arch × •                        | S V Q Preserve log  | Disable cache N<br>data URLs All XHR                              | No throttling ▼ 1<br>JS CSS Img Media   | È ≛<br>Font Doc WS Manife                                     |                            |   | ocked Requests | 65000 ms             | 700 |
| arch × •                        | S V Q Preserve log  | Disable cache N<br>data URLs M XHR<br>20000 ms 250                | No throttling ▼ 1<br>JS CSS Img Media   | Font Doc WS Manife<br>35000 ms 40000 ms                       |                            |   | ocked Requests | 65000 ms             | 700 |
| arch × •<br>• Search C O Filter | Image: Constraint of the server log         Image: Constraint of the server log           Image: Constraint of the server log         Image: Constraint of the server log           Image: Constraint of the server log         Image: Constraint of the server log           Image: Constraint of the server log         Image: Constraint of the server log           Image: Constraint of the server log         Image: Constraint of the server log           Image: Constraint of the server log         Image: Constraint of the server log           Image: Constraint of the server log         Image: Constraint of the server log           Image: Constraint of the server log         Image: Constraint of the server log           Image: Constraint of the server log         Image: Constraint of the server log           Image: Constraint of the server log         Image: Constraint of the server log           Image: Constraint of the server log         Image: Constraint of the server log           Image: Constraint of the server log         Image: Constraint of the server log           Image: Constraint of the server log         Image: Constraint of the server log           Image: Constraint of the server log         Image: Constraint of the server log           Image: Constraint of the server log         Image: Constraint of the server log           Image: Constraint of the server log         Image: Constraint of the server   | Disable cache N<br>data URLs All XHR<br>20000 ms 250              | No throttling V 4<br>JS CSS Img Media<br>000 ms 30000 ms                        | Font Doc WS Manife<br>35000 ms 40000 ms                       | 45000 ms                   |   | ocked Requests | 65000 ms             | 700 |
| A Search C S Filter             | Image: Constraint of the second sec | Disable cache N<br>data URLs A XHR<br>20000 ms 250<br>X<br>X<br>X | No throttling V 4<br>JS CSS Img Media<br>30000 ms<br>Headers Preview<br>General | Font Doc WS Manife<br>35000 ms 40000 ms<br>Response Initiator | 45000 ms<br>Timing         |   | ocked Requests | 65000 ms             | 700 |

4. Export the trace using the **Export** in browsers.

**Example**: The user can see the export option as shown below in Chrome.



| • | 0 | 8    | Q | Preserve | log 🗌 Disa | ble cache   O | nline 🔻 🗎 🛓 | <u>+</u>   |       |       |
|---|---|------|---|----------|------------|---------------|-------------|------------|-------|-------|
|   |   | 5 ms |   | 10 ms    | 15 ms      | 20 ms         | 25 ms       | Export HAR | 35 ms | 40 ms |

#### Figure 1-4 Export Option

## Note:

The tools such as **Fiddler** and **Wireshark** can be used to get the browser to API gateway web traffic. This helps to investigate the exact request and response payloads exchanged between UI and API Gateway.

## **1.3 Troubleshooting Environmental Issues**

This topic describes about the troubleshooting environmental issues.

This topic contains the following subtopics:

- Possible Issues While Deploying Services This topic describes about the possible issues while deploying services
- Possible Issues in Login and Screen Launch This topic describes the possible issues that may occur while logging in and launching the screens.

## 1.3.1 Possible Issues While Deploying Services

This topic describes about the possible issues while deploying services

#### Service Deployment is failing due to Flyway

If the service deployment is failing due to flyway, verify that the object or record is already present and make changes in the flyway scripts accordingly.

You may check **flyway\_schema\_history** table of the respective schema for finding the flyway script entries.

#### **Other Possible Issues**

The other possible issue while deploying services could be multiple versions of dependency jars present in the war file.

**Example:** weblogic.application.naming.EnvironmentException: duplicate persistence units with name PLATO in scope cmc-customer-services-{version}.war.



## 1.3.2 Possible Issues in Login and Screen Launch

This topic describes the possible issues that may occur while logging in and launching the screens.

#### Login Page is not Launching

Perform the following checks if the login page is not launching.

- 1. Check whether the app-shell war file is deployed.
- 2. Make sure that the war file is up and running in the deployed managed server and try to login again.
- Check whether the user has logged in with the appshell URL according to the war file deployed.
- 4. Check whether the required component-server wars like cmc-component-server, obvamcomponent-server etc are also deployed along with the app-shell.

**Example:** http://<ip-address>:<Port>/app-shell/index.jsp will load the login page of the application.

In the above URL, the name <code>app-shell</code> is dynamic which depends on the name of war file deployed.

| ORACLE    |   |
|-----------|---|
| User Name |   |
|           | ] |
| Password  |   |
|           | ] |
| Sign In   |   |
|           | • |
|           |   |
|           |   |

Figure 1-5 Sign In



#### Unable to login after launching the application

Perform the following check if you are not able to login after the application is launched.

• Make sure that the plato-api-gateway service, plato-ui-config service, sms-core-service, and common core services are up and running.

#### Figure 1-6 Services

| PLATO-API-GATEWAY        | n/a (1) (1) | UP (1) - fsgbu-phx-54.snphxprshared1.gbucdsint02phx.oraclevcn.com:plato-api-gateway:5012        |
|--------------------------|-------------|---|
| PLATO-DISCOVERY-SERVICE  | n/a (1) (1) | UP (1) - fsgbu-phx-54.snphxprshared1.gbucdsint02phx.oraclevcn.com:plato-discovery-service:5012  |
| PLATO-UI-CONFIG-SERVICES | n/a (1) (1) | UP (1) - fsgbu-phx-54.snphxprshared1.gbucdsint02phx.oraclevcn.com:plato-ui-config-services:5012 |
| SMS-CORE-SERVICES        | n/a (1) (1) | UP (1) - fsgbu-phx-54.snphxprshared1.gbucdsint02phx.oraclevcn.com:sms-core-services:5012        |

#### Unable to login after restarting the services

Perform the following check if you are not able to login after restarting the services.

 Make sure that the LDAP server is up and running, and check if the entered credentials are correct.

#### Menus are not displayed after logging in

Perform the following checks if the menus are not displayed after logging in.

- 1. Map the functional activity codes in the table **SMS\_TM\_ROLE\_ACTIVITY**.
- 2. Once it is mapped, check if the corresponding role is assigned to your user id.

#### Screens are not launching after logging in

Perform the following check if you are not able to launch the screens after logging in.

• Make sure that the respective services are up and running.

#### Note:

Verify the VPN connection while trying to troubleshoot the issues related to page launching, etc.

# 2 Troubleshooting Kafka

This topic describes about the troubleshooting Kafka.

This topic contains the following subtopics:

- Consumer Services
   This topic describes about the Consumer Services provided in Oracle® Banking Virtual
   Account Management Cloud Service.
- Producer Services
   This topic describes about the Producer Services on Oracle® Banking Virtual Account Management Cloud Service.
- Debugging Consumer/Producer health and troubleshooting This topic describes about the Debugging Consumer/Producer health and troubleshooting.
- Configurations
   This topic describes about the various configurations for the kafka and integration services.

## 2.1 Consumer Services

This topic describes about the Consumer Services provided in Oracle® Banking Virtual Account Management Cloud Service.

Oracle® Banking Virtual Account Management Cloud Service consumer service can be referred at **Async API Documentation**.

## 2.2 Producer Services

This topic describes about the Producer Services on Oracle® Banking Virtual Account Management Cloud Service.

Oracle® Banking Virtual Account Management Cloud Service Producer service can be referred at **Async API Documentation**.

## 2.3 Debugging Consumer/Producer health and troubleshooting

This topic describes about the Debugging Consumer/Producer health and troubleshooting.

#### Logs to analyze

- Under the domain folder of Weblogic Logs related to any issue in Kafka connection and authentication can be found here.
- On a user defined log path if we are facing issues in produce/consume operation of event.

Tables to analyze



The below table provides the values to be verified to confirm accurate functioning of the consumer/producer service.

Table 2-1 Tables to analyze

| Table Name             | Column<br>Name | Possible Values                |
|------------------------|----------------|--------------------------------|
| plato_eventhub_in_log  | -              | -                              |
| plato_eventhub_out_log | status         | SENT -> Published successfully |

## 2.4 Configurations

This topic describes about the various configurations for the kafka and integration services.

Refer to Oracle Banking Microservices Platform Foundation Installation Guide for kafka setup and all the properties are declared in the yaml file of integration services for the applicationlevel setup.



# 3 Health Checks

This topic describes about Health Checks.

This topic contains the following subtopics:

- Eureka Dashboard This topic describes about Eureka Dashboard.
- Application Services This topic describes about the application services.
- Database This topic describes about the data source configuration in Weblogic and Day0 scripts on Database.

## 3.1 Eureka Dashboard

This topic describes about Eureka Dashboard.

Until the heath check API's implemented, the health must be monitored using WebLogic JVM managed server status and Eureka instance.

| OBVAM-ACCOUNT-SERVICES             | n/a (1) (1) | <b>UP (1)</b> - whf00pia.in.oracle.com:obvam-account-services:8731      |
|------------------------------------|-------------|---|
| OBVAM-CORE-SERVICES                | n/a (1) (1) | UP (1) - whf00pia.in.oracle.com:obvam-core-services:8731                |
| OBVAM-ECA-SERVICES                 | n/a (1) (1) | UP (1) - whf00pia.in.oracle.com:obvam-eca-services:8731                 |
| OBVAM-ENTITY-SERVICES              | n/a (1) (1) | <b>UP (1)</b> - whf00pia.in.oracle.com:obvam-entity-services:8731       |
| OBVAM-EXTERNAL-DDA-SERVICES        | n/a (1) (1) | UP (1) - whf00pia.in.oracle.com:obvam-external-dda-services:8731        |
| OBVAM-IC-BOD-BATCH-SERVICES        | n/a (1) (1) | UP (1) - mum00bxj.in.oracle.com:obvam-ic-bod-batch-services:8505        |
| OBVAM-IC-CHARGE-CALC-SERVICES      | n/a (1) (1) | UP (1) - mum00bxj.in.oracle.com:obvam-ic-charge-calc-services:8604      |
| OBVAM-IC-EXTERNAL-ADAPTER-SERVICES | n/a (1) (1) | UP (1) - mum00bxj.in.oracle.com:obvam-ic-external-adapter-services:8604 |

Figure 3-1 Eureka Dashboard

## **3.2 Application Services**

This topic describes about the application services.

The catalog of services required for Oracle® Banking Virtual Account Management Cloud Service are as follows:

Table 3-1 Services List

| Group | Service List            | Required for SRV | Usage                    |
|-------|-------------------------|------------------|--------------------------|
| OBVAM | obvam-core-<br>services | Y                | Used to create facility. |



| Table 3-1 | (Cont.) Services List |
|-----------|-----------------------|
|-----------|-----------------------|

| 0     | Complete List   |                  | 11  |
|-------|---|------------------|---|
| Group | Service List  | Required for SRV | Usage   |
| OBVAM | obvam-account-<br>services                            | Y                | Used to create Virtual Account and Structure.       |
| OBVAM | obvam-entity-<br>services                             | Y                | Used to create entity.                              |
| OBVAM | obvam-eca-<br>services                                | Y                | Used to block the amount on VA.                     |
| OBVAM | obvam-internal-<br>transfer-services                  | Y                | Used to transfer balance from one VA to another.    |
| OBVAM | obvam-transaction-<br>journal-services                | Y                | Used to post transaction on VA.                     |
| OBVAM | obvam-identifier-<br>services                         | Y                | Used to create Identifiers.                         |
| OBVAM | obvam-statement-<br>services                          | Y                | Used to generate statements.                        |
| OBVAM | obvam-external-<br>dda-services                       | Y                | Used to connect with external system.               |
| OBVAM | external-liquidity-<br>management-<br>service         | Y                | Used to liquidate.                                  |
| OBVAM | external-interest-<br>engine-service                  | Y                | Used to calculate interest.                         |
| OBVAM | obvam-projection-<br>services                         | Y                | Used to project the obvam dashboards.               |
| OBMA  | plato-batch-server                                    | Ν                | -   |
| OBMA  | plato-feed-services                                   | Ν                | -   |
| OBMA  | plato-alerts-<br>management-<br>services              | Y                | Required for OBMA framework.                        |
| OBMA  | plato-api-gateway                                     | Y                | Required for OBMA framework.                        |
| OBMA  | plato-config-<br>service                              | Y                | Required for OBMA framework.                        |
| OBMA  | plato-discovery-<br>service                           | Y                | Required for OBMA framework.                        |
| OBMA  | plato-orch-service                                    | Y                | Required for OBMA framework.                        |
| OBMA  | plato-o   | Y                | Required for OBMA framework.                        |
| OBMA  | plato-ui-config-<br>services                          | Y                | Required for OBMA framework.                        |
| SMS   | sms-core-services-<br>{version}.war                   | Y                | SMS services  |
| SMS   | sms-component-<br>server-<br>{version}.war            | Y                | UI  |
| CMC   | cmc-obrh-service                                      | Y                | Used for routing via OBRH.                          |
| CMC   | cmc-report-service                                    | Y                | Used for Advices.                                   |
| CMC   | cmc-resource-<br>segment-<br>orchestrator-<br>service | Y                | Used in screens using gcs like maintenance screens. |



| Group | Service List  | Required for SRV | Usage   |
|-------|---|------------------|---|
| СМС   | cmc-screenclass-<br>services                          | Y                | Used for screen handling.                           |
| СМС   | cmc-settlements-<br>services                          | N                | -   |
| СМС   | cmc-settlements-<br>services                          | Y                | Used in screens using gcs like maintenance screens. |
| СМС   | cmc-txn-code-<br>services                             | Y                | Common Core Services                                |
| СМС   | cmc-account-<br>services                              | Y                | Common Core Services                                |
| СМС   | cmc-advice-<br>services                               | Y                | Used for Advices.                                   |
| CMC   | cmc-base-services                                     | Y                | Common Core Services                                |
| CMC   | cmc-batch-services                                    | Ν                | -   |
| CMC   | cmc-branch-<br>services                               | Y                | Common Core Services                                |
| CMC   | cmc-<br>businessoverrides-<br>services                | N                | -   |
| СМС   | cmc-corebanking-<br>adapter-service                   | Ν                | -   |
| СМС   | cmc-currency-<br>services                             | Y                | Common Core Services                                |
| СМС   | cmc-customer-<br>services                             | Y                | Common Core Services                                |
| CMC   | cmc-datasegment-<br>services                          | Y                | Common Core Services                                |
| CMC   | cmc-external-chart-<br>account                        | Y                | Common Core Services                                |
| CMC   | cmc-external-<br>system-services                      | Y                | Common Core Services                                |
| CMC   | cmc-external-<br>virtual-account-<br>services         | Y                | VAM services  |
| CMC   | cmc-obrh-services                                     | Y                | Common Core Services                                |
| CMC   | cmc-resource-<br>segment-<br>orchestrator-<br>service | Y                | Common Core Services                                |
| СМС   | cmc-screenclass-<br>services                          | Y                | Common Core Services                                |
| СМС   | cmc-settlements-<br>services                          | Y                | Common Core Services                                |
| CMC   | cmc-<br>transactioncontrolle<br>r-services            | Y                | Common Core Services                                |
| CMC   | cmc-component-<br>server-<br>{version}.war            | Y                | UI  |

| Table 3-1 | (Cont.) | Services | List |
|-----------|---------|----------|------|
|-----------|---------|----------|------|



Table 3-1 (Cont.) Services List

| Group | Service List                | Required for SRV | Usage |
|-------|-----------------------------|------------------|-------|
| CMC   | app-shell-<br>{version}.war | Y                | UI    |

#### Note:

Refer to OSDC zip for the exact version number for each service.

## 3.3 Database

This topic describes about the data source configuration in Weblogic and Day0 scripts on Database.

This topic contains the following subtopics:

Configure Data Sources

This topic provides the systematic instructions to configure the data sources in WebLogic.

Day0 Scripts
 This topic describes about the Day0 Scripts.

## 3.3.1 Configure Data Sources

This topic provides the systematic instructions to configure the data sources in WebLogic.

To add the Data Sources, follow the below steps:

Specify User ID and Password, and login to Oracle WebLogic Administration Console.

1. On Domain Structure, click Services.

The Domain Structure screen displays.



#### Figure 3-2 Domain Structure

## ORACLE WebLogic Server Adr

**Change Center** 

## View changes and restarts

Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.



2. Under Services, click Data Sources.

The Summary of JDBC Data Sources screen displays.

| Ioma Summary of Servers Sum  | many of IDBC Data Source   | ces >PLATO >Summary of JDBC Data Source  | nee   |
|--|--|--|---|
|  |  | es >PDATO >Summary of JDBC Data Source   |   |
| mmary of JDBC Data Source  | 25   |  |   |
| onfiguration Monitoring  |  |  |   |
|  |  |  |   |
| A JDBC data source is an objec   | t bound to the JNDI to   | ee that provides database connectivity thro  | ugh a pool of JDBC connections. Applications can look up a data source on the JNDI tree and then borrow a databas   |
| This name summarizes the 1DB   | C data source objects t  | hat have been created in this domain.  |   |
|  |  |  |   |
| Current and the table  |  |  |   |
| Customize this table   |  |  |   |
| Data Sources (Filtered - Mor   | e Columns Exist)   |  |   |
| New - Delete   |  |  |   |
| Delete   |  |  |   |
| Generic Data Source  | _  |  |   |
|  | Туре   | JNDI Name  | Targets   |
| Generic Data Source  | Type<br>Generic  | JNDI Name<br>jdbc/ICL  |   |
| Generic Data Source<br>GridLink Data Source<br>Multi Data Source   |  |  | Targets<br>managed_server1, managed_server2, managed_server3, managed_server4, managed_server5, managed_server6<br>managed_server1, managed_server2, managed_server3, managed_server4, managed_server5  |
| Generic Data Source GridLink Data Source Multi Data Source Proxy Data Source   | Generic  | jdbc/ICL   | managed_server1, managed_server2, managed_server3, managed_server4, managed_server5, managed_server6  |
| Generic Data Source<br>GridLink Data Source<br>Multi Data Source   | Generic  | jdbc/ICL<br>jdbc/LMB   | managed_server1, managed_server2, managed_server3, managed_server4, managed_server5, managed_server6<br>managed_server1, managed_server2, managed_server3, managed_server4, managed_server5   |
| Generic Data Source GridLink Data Source Multi Data Source Proxy Data Source   | Generic<br>Generic<br>Generic  | jdbc/ICL<br>jdbc/LMB<br>jdbc/LMC   | maged_server1, managed_server2, managed_server3, managed_server4, managed_server5, managed_server5<br>managed_server1, managed_server2, managed_server3, managed_server4, managed_server5<br>managed_server1, managed_server2, managed_server3, managed_server4, managed_server5  |
| Generic Data Source<br>GridLink Data Source<br>Multi Data Source<br>Proxy Data Source<br>UCP Data Source                               | Generic<br>Generic<br>Generic<br>Generic   | jdbc/LCL<br>jdbc/LMB<br>jdbc/LMC<br>jdbc/LMD   | maged_server1, managed_server2, managed_server3, managed_server4, managed_server5, managed_server6<br>managed_server1, managed_server2, managed_server3, managed_server4, managed_server5<br>managed_server1, managed_server2, managed_server3, managed_server4, managed_server5<br>managed_server1, managed_server2, managed_server3, managed_server4, managed_server5   |
| Generic Data Source GridLink Data Source Multi Data Source Proxy Data Source UCP Data Source LMR                                       | Generic<br>Generic<br>Generic<br>Generic<br>Generic                                  | Jdbc/TCL<br>Jdbc/TLMB<br>Jdbc/LMC<br>Jdbc/LMC<br>Jdbc/LMR                                      | managed_server1, managed_server2, managed_server3, managed_server4, managed_server5, managed_server5<br>managed_server1, managed_server2, managed_server3, managed_server4, managed_server5   |
| Generic Data Source<br>GridLink Data Source<br>Multi Data Source<br>Proxy Data Source<br>UCP Data Source<br>LMR<br>LMX                 | Generic<br>Generic<br>Generic<br>Generic<br>Generic<br>Generic                       | Jdbc/TCL<br>Jdbc/TLMB<br>Jdbc/LMC<br>Jdbc/LMC<br>Jdbc/LMR<br>Jdbc/LMR                          | managed_server1, managed_server2, managed_server3, managed_server4, managed_server5, managed_server5<br>managed_server1, managed_server2, managed_server3, managed_server4, managed_server5  |
| Generic Data Source<br>GridLink Data Source<br>Multi Data Source<br>Proxy Data Source<br>UCP Data Source<br>LMR<br>LMX<br>LMX<br>LRT   | Generic<br>Generic<br>Generic<br>Generic<br>Generic<br>Generic<br>Generic            | Jdbc/ICL<br>Jdbc/LMB<br>Jdbc/LMC<br>Jdbc/LMD<br>Jdbc/LMR<br>Jdbc/LMX<br>Jdbc/LRT               | managed_server1, managed_server2, managed_server3, managed_server4, managed_server5, managed_server5<br>managed_server1, managed_server2, managed_server3, managed_server4, managed_server5<br>managed_server1, managed_server2, managed_server3, managed_server5<br>managed_server1, managed_server2, managed_server3, managed_server5  |
| Generic Data Source<br>GridLink Data Source<br>Multi Data Source<br>Proxy Data Source<br>UCP Data Source<br>LMR<br>LMX<br>LRT<br>PLATO | Generic<br>Generic<br>Generic<br>Generic<br>Generic<br>Generic<br>Generic<br>Generic | Jdbc/LCL<br>Jdbc/LMB<br>Jdbc/LMC<br>Jdbc/LMD<br>Jdbc/LMR<br>Jdbc/LMR<br>Jdbc/LRT<br>Jdbc/PLATO | managed_server1, managed_server2, managed_server3, managed_server4, managed_server5, managed_server5<br>managed_server1, managed_server2, managed_server3, managed_server4, managed_server5 |

### Figure 3-3 Summary of JDBC Data Sources

3. Click **New** and add the data source providing the required details.

The Create New JDBC Data Source - Properities screen displays.

|   | · · · · · · · · · · · · · · · · · · · |
|---|---------------------------------------|
| reate a New JDBC Data Source                          |                                       |
| Back Next Finish Cancel                               |                                       |
| JDBC Data Source Properties                           |                                       |
| The following properties will be used to i            | dentify your new JDBC data source.    |
| Indicates required fields                             |                                       |
| What would you like to name your new JD               | )BC data source?                      |
| 街 * Name:   | PLATO                                 |
| What scope do you want to create your da              | ata source in ?<br>Global ✔           |
| What JNDI name would you like to assign               | to your new JDBC Data Source?         |
| jdbc/PLATO  |                                       |
|   |                                       |
| <b>U</b><br>What database type would you like to sele | ect?                                  |

Figure 3-4 Create New JDBC Data Source - Properties



| Home >Summary of Servers >Summary of JDBC Data Sources >PLATO > <b>Summ</b> | ary of JDBC Data Sources |
|---|--------------------------|
| Create a New JDBC Data Source   |                          |
| Back Next Finish Cancel   |                          |
| Connection Properties   |                          |
| Define Connection Properties.   |                          |
| What is the name of the database you would like to connect to?              |                          |
| Database Name:  | OBLMDB                   |
| What is the name or IP address of the database server?                      |                          |
| Host Name:  | whf00bqa.in.oracle.com   |
| What is the port on the database server used to connect to the database?    |                          |
| Port:   | 1521                     |
| What database account user name do you want to use to create database       | connections?             |
| Database User Name:   | OBLM144DEVPLATO          |
| What is the database account password to use to create database connec      | tions?                   |
| Password:   | •••••                    |
| Confirm Password:   | •••••                    |
| Additional Connection Properties:   |                          |
| oracle.jdbc.DRCPConnectionClass:  |                          |
| Back Next Finish Cancel   |                          |

#### Figure 3-5 Create New JDBC Data Source - Connection Properties

3.3.2 Day0 Scripts

This topic describes about the Day0 Scripts.

Make sure that all the Day0 scripts available in the product package are run successfully.

# 4 Troubleshooting Application Workflows

This topic describes the troubleshooting functional workflows applicable to Oracle® Banking Virtual Account Management Cloud Service.

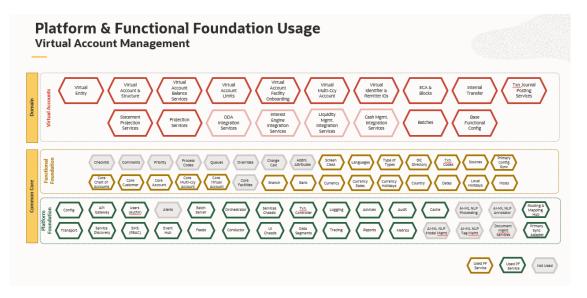
This topic contains the following subtopics:

- Oracle® Banking Virtual Account Management Cloud Service Subdomains List This topic describes about the Oracle® Banking Virtual Account Management Cloud Service Subdomains List.
- Troubleshooting SMS Errors This topic describes about Troubleshooting SMS Errors.
- Oracle Banking Routing Hub Configuration This topic describes about Oracle Banking Routing Hub configuration.

# 4.1 Oracle® Banking Virtual Account Management Cloud Service – Subdomains List

This topic describes about the Oracle® Banking Virtual Account Management Cloud Service Subdomains List.

## Figure 4-1 Composition of Oracle® Banking Virtual Account Management Cloud Service



On successful login, the Oracle® Banking Virtual Account Management Cloud Service dashboard screen appears depending on the user privileges.



| ۲<br>***       | BEML<br>888930 | <b>☆☆</b><br>7 B | <b>☆☆</b> AIRTEL<br>4567892 | (1992) 107 0 101        |              |              | - Jeersan and and and and and and and and and a | Menu                   |
|----------------|----------------|------------------|-----------------------------|-------------------------|--------------|--------------|---|------------------------|
| **             |                |                  |                             |                         |              |              | Corporates                                      | Menu                   |
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| prostation and |                |                  |                             | <b>AS</b> 000462        | AL 040506    | 0            | 020202  |                        |
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|                |                |                  |                             | •                       | Virtual ACs  | Structures   | Real Account(s)                                 | c Profit >             |
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|                |                |                  |                             |                         |              |              | 1   | nterest and Charges >  |
|                |                |                  | nents X                     | ransactions & Stateme   | ×            | nsfer        | VA Internal Tra                                 | l Account Management 💙 |
|                |                |                  |                             | 20110 HOLDER THINKS     | 왔 219<br>왔 0 | 쁆 23<br>뢂 0  | A 000000020202<br>A 100982                      | >                      |

Figure 4-2 Oracle® Banking Virtual Account Management Cloud Service Dashboard

#### **User Role Issues**

Role Profile includes access rights to the functional activities that are common to a group of users. A user can be linked to a Role Profile by which you give the user access rights to all the functional activities in the Role Profile.

1. On Home screen, click Security Management. Under Security Management, click Role.

The Role Maintenace Screen displays.

Figure 4-3 Role Maintenace

| Role Maintenance                            |   |                                   | ::× |  |  |  |  |  |
|---|---|-----------------------------------|-----|--|--|--|--|--|
| Role Code<br>VAM_ALL_ROLE                   | Description<br>Role contains all functional activity for<br>VAM |                                   |     |  |  |  |  |  |
| Delete Q Search By Functional Activity Code |   |                                   | Add |  |  |  |  |  |
| Functional Activity Code 🛛 🗘                |   | Functional Activity Description 0 |     |  |  |  |  |  |
| CFPM_FA_DATA_SEGMENT_AMEND                  |   | Data Segment Amend                |     |  |  |  |  |  |
| CFPM_FA_DATA_SEGMENT_AUTHORIZE              |   | Data Segment Authorize            |     |  |  |  |  |  |
| CFPM_FA_DATA_SEGMENT_AUTHQUERY              |   | Data Segment Authquery            |     |  |  |  |  |  |
| CFPM_FA_DATA_SEGMENT_CLOSE                  |   | Data Segment Close                |     |  |  |  |  |  |
| CFPM_FA_DATA_SEGMENT_DELETE                 |   | Data Segment Delete               |     |  |  |  |  |  |
| Page 1 of 344 (1-5 of 1716 items)  <        | 1 2 3 4 5 344 <b>→ )</b>  |                                   |     |  |  |  |  |  |
|   |   |                                   |     |  |  |  |  |  |
| Audit                                       |   |                                   |     |  |  |  |  |  |

Only authorized users can access the system with the help of a unique User Login ID and password. The user profile of a user contains the details of the user in four sections - User details, Status, Other details and User role branches.

1. From Home screen, click Security Management. Under Security Management, click User.

The User Maintenace screen displays.



| Users Maintenance                               |                                     |         |  |                          | ;; × |  |  |  |
|---|-------------------------------------|---------|--|--------------------------|------|--|--|--|
| User Details                                    |                                     |         |  |                          |      |  |  |  |
| Name  | Login ID                            |         | Home Branch                                  |                          |      |  |  |  |
| ESPUSER   | ESPUSER                             |         | 000  |                          |      |  |  |  |
|   |                                     |         |  |                          |      |  |  |  |
| Status  | atus                                |         |  |                          |      |  |  |  |
| User Status                                     | Status Changed On                   |         | Is Supervisor                                | Manager ID               |      |  |  |  |
| Enable  | April 7, 2018                       |         | On   | ADMINUSER1               |      |  |  |  |
|   |                                     |         |  | ADMINUSER1               |      |  |  |  |
| Start Date                                      | End Date                            |         | System User<br>Off                           |                          |      |  |  |  |
| April 7, 2018                                   | ril 7, 2018 April 7, 2024           |         |  |                          |      |  |  |  |
| Other Details                                   |                                     |         |  |                          |      |  |  |  |
| Access to PII                                   | Staff Customer Restriction Required |         | Customer ID                                  | Email ID                 |      |  |  |  |
| On  | Off                                 |         |  | oracle.oracle@oracle.com |      |  |  |  |
| Telephone Number                                | Home Phone Number                   |         | Mobile Number                                | Fax                      |      |  |  |  |
|   |                                     |         |  |                          |      |  |  |  |
| Language Code<br>ESP                            |                                     |         |  |                          |      |  |  |  |
| ESP   |                                     |         |  |                          |      |  |  |  |
| User Role Branches                              |                                     |         |  |                          |      |  |  |  |
| Branch Code 🌣 Role Code 🜣                       |                                     |         | Role Description 0                           |                          | + 🗇  |  |  |  |
|   |                                     |         |  |                          |      |  |  |  |
| 000   | ADMIN_ROLE                          |         | Default role for initial login               |                          |      |  |  |  |
| 000   | ENTITY_ADMIN_ROLE                   |         | Default role for initial login               |                          |      |  |  |  |
|   | VAM_ALL_ROLE                        |         | Role contains all functional activity for VA | M                        |      |  |  |  |
| Page 1 of 1 (1-3 of 3 items)  < ∢               | 1 > >                               |         |  |                          |      |  |  |  |
| User Applications                               |                                     |         |  |                          |      |  |  |  |
|   |                                     |         |  |                          | + 🖻  |  |  |  |
| Application Name 🗘                              |                                     | Applica | tion Description 0                           |                          |      |  |  |  |
| VAP   |                                     | VAP     |  |                          |      |  |  |  |
| VAB   |                                     | VAB     |  |                          |      |  |  |  |
| VAE   |                                     | VAE     |  |                          |      |  |  |  |
| VAS   |                                     | VAS     |  |                          |      |  |  |  |
| VAI   |                                     | VAI     |  |                          |      |  |  |  |
| Page 1 of 4 (1-5 of 16 items)  <                |                                     |         |  |                          |      |  |  |  |
| Customer Access Groups                          |                                     |         |  |                          |      |  |  |  |
| Customer Access Group 🗘                         |                                     |         | mer Access Description                       |                          | + 🖻  |  |  |  |
| No data to display.                             |                                     | Custo   | Anne Access Description                      |                          |      |  |  |  |
| No data to display.<br>Page 1 (0 of 0 items)  < | Х                                   |         |  |                          |      |  |  |  |
|   |                                     |         |  |                          |      |  |  |  |
| Audit   |                                     |         |  |                          |      |  |  |  |

#### Figure 4-4 User Maintenace

Note:

Make sure that the required Role and User Applications are mapped to the user.

This topic contains the following subtopics:

First level issues

This topic describes the possible issues that may occur during the basic investigation.

- Call is Failing in Oracle Banking Routing Hub / Accounting Call (FCUBS) This topic provides the troubleshooting information about the call is Failing in Oracle Banking Routing Hub / Accounting Call (FCUBS).
- Transaction Data Verification This topic provides the systematic instruction to verify the transaction data.



#### OBIC Call is Failing

This topic provides the systematic instructions if OBIC call is failing.

## 4.1.1 First level issues

This topic describes the possible issues that may occur during the basic investigation.

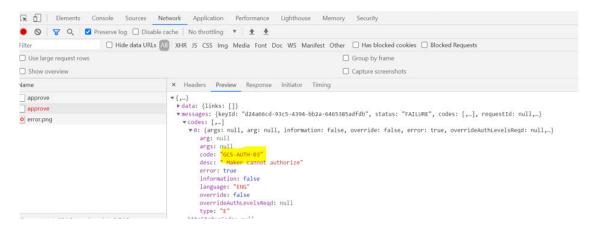
#### Error Message not shown

If there are any improper calls, check the ERTB\_MSGS table of the respective schema to understand the cause of the error.

- 1. Press F12 to open the Networks.
- 2. Check the error code in the response.

Query: SELECT \* FROM ERTB\_MSGS WHERE ERR\_CODE='GCS\_AUTH-03'

#### Figure 4-5 Error Code



#### Setting Log file path

Log generation path needs to be defined in **PLATO\_LOGGER\_PARAM\_CONFIG** table of PLATO schema.

Query: Select \* from PLATO\_LOGGER\_PARAM\_CONFIG;



| ult x           |                            |   |   |
|-----------------|----------------------------|---|---|
|                 |                            |   |   |
| 🙀 SQL   All Rov | vs Fetched: 3 in 0.05 seco | nds   |   |
| & MODIFY_FIELD  | PARAM_NAME                 | <pre>     PARAM_VAL </pre>  |   |
| . N             | LOG_PATH                   | /scratch/oblm/request-logs  |   |
| N               | LOG_LEVEL                  | INFO  |   |
| N               | LOG MSG WITH TIME          | v   |   |
|                 | MODIFY_FIELD               | SQL       All Rows Fetched: 3 in 0.05 second         MODIFY_FIELD       PARAM_NAME         N       LOG_PATH         N       LOG_LEVEL | SQL       All Rows Fetched: 3 in 0.05 seconds         MODIFY_FIELD       PARAM_NAME         N       LOG_PATH         /scratch/oblm/request-logs         N       LOG_LEVEL |

Figure 4-6 PLATO\_LOGGER\_PARAM\_CONFIG

### Dynamic log generation issues

For generating dynamic service logs, insert the data to **PLATO\_DEBUG\_USERS** table. **Query:** Select \* from PLATO\_DEBUG\_USERS;

| Figure 4-7 | Service Logs |
|------------|--------------|
|------------|--------------|

| /scratch/obvam/app/user_logs/                             |            |                     |           |       |
|---|------------|---------------------|-----------|-------|
| Name  | Size       | Changed             | Rights    | Owner |
|   |            | 23-04-2021 17:39:20 | rwxrwxrwx | obvam |
| obvam-account-services_OBDX01_HEL_2021-05-07.log          | 4,784 KB   | 07-05-2021 16:02:23 | rw-r      | obvam |
| bvam-account-services_SHUB01_000_2021-05-07.log           | 20,336 KB  | 07-05-2021 16:02:20 | rw-r      | obvam |
| bvam-core-services_ARP02_000_2021-05-07.log               | 393 KB     | 07-05-2021 15:57:32 | rw-r      | obvam |
| obvam-entity-services_OBDX01_HEL_2021-05-07.log           | 6,141 KB   | 07-05-2021 15:57:31 | rw-r      | obvam |
| bvam-core-services_ADMINUSER1_000_2021-05-07.log          | 702 KB     | 07-05-2021 15:57:25 | rw-r      | obvam |
| obvam-account-services_OBDX01_HEL_2021-05-07.2021-05-07.0 | 153,619 KB | 07-05-2021 15:53:39 | rw-r      | obvam |
| bvam-statement-services_OBDX01_HEL_2021-05-07.log         | 1,081 KB   | 07-05-2021 15:53:31 | rw-r      | obvam |
| obvam-statement-services_DEB01_000_2021-05-07.log         | 355 KB     | 07-05-2021 15:53:26 | rw-r      | obvam |



| ക്ര | 🛃 🗶 🖪 🖪 🛛 Sor        | t.   Filter:              |            |  |
|-----|----------------------|---------------------------|------------|--|
|     | 1 ID 1 DEBUG_ENABLED |                           | & USER_ID  |  |
| 25  | <u>v</u> <u>v</u> –  | obvam-core-services       | ARP1       |  |
| 26  | 2 Y                  | obvam-core-services       | SHUB01     |  |
| 27  | 8 Y                  | obvam-core-services       | KEITH01    |  |
| 28  | 38 Y                 | obvam-eca-services        | ARP1       |  |
| 29  | 26 Y                 | obvam-eca-services        | ADMINUSER1 |  |
| 30  | 30 Y                 | obvam-entity-services     | DEB01      |  |
| 31  | 22 Y                 | obvam-entity-services     | ARP2       |  |
| 32  | 55 Y                 | obvam-entity-services     | SYSTEM     |  |
| 33  | 7 Y                  | obvam-entity-services     | KEITH01    |  |
| 34  | 21 Y                 | obvam-entity-services     | ARP1       |  |
| 35  | 12 Y                 | obvam-entity-services     | ADMINUSER1 |  |
| 36  | 23 Y                 | obvam-entity-services     | KEITH02    |  |
| 37  | 19 Y                 | obvam-identifier-services | ARP2       |  |
| 38  | 32 Y                 | obvam-identifier-services | DEB01      |  |
| 39  | 9 Y                  | obvam-identifier-services | SHUB01     |  |
| 40  | 20 Y                 | obvam-identifier-services | ADMINUSER1 |  |
| 41  | 18 Y                 | obvam-identifier-services | ARP1       |  |
| 42  | 24 Y                 | obvam-identifier-services | KEITH02    |  |
| 43  | 13 Y                 | obvam-identifier-services | KEITH01    |  |
| 44  | 77 Y                 | obvam-projection-services | ADMINUSER1 |  |
| 45  | 78 Y                 | obvam-projection-services | ADMINUSER2 |  |
| 46  | 14 Y                 | obvam-statement-services  | ADMINUSER1 |  |
| 47  | 57 Y                 | obvam-statement-services  | ARP2       |  |

#### Figure 4-8 PLATO\_DEBUG\_USERS

#### Call is failing in Gateway

If any API call is failing in Gateway, hit the same API endpoint without passing through apigateway via the postman.

#### Figure 4-9 API Gateway

| GET                | <ul> <li>http://whf00bjp.in.oracle.</li> </ul>         | com:7205/oblm-maintenance-servic | es/account?custome | rld=HDFC       |                      | Send 🔫    |
|--------------------|--|----------------------------------|--------------------|----------------|----------------------|-----------|
| Params ●           | Authorization Headers (11)                             | Body Pre-request Script          | Tests Settin       | gs             |                      |           |
| Headers            | • 7 hidden   |                                  |                    |                |                      |           |
| KEY                |  | VALUE                            |                    | DESCR          | IPTION ***           | Bulk Edit |
| applo              | d  | LMM                              |                    |                |                      |           |
| ✓ brand            | chCode   | LMB                              |                    |                |                      |           |
| ody Cool<br>Pretty | kies Headers (7) Test Results<br>Raw Preview Visualize | JSON ¥ 🚍                         | •                  | Status, 200 OK | Time: 881 ms Size: 1 | 6.88 KB S |
| 2                  | "data": [  |                                  |                    |                |                      |           |
| 3                  | {  |                                  |                    |                |                      |           |

### Note:

Restart the specific services if required.



#### Exact error through exception log

If there is an exact error through the exception log, log in to WINSCP and check the server logs with NIS credentials.

The path is /scratch/obvam/app\_logs/UserLogs.

#### Figure 4-10 Exception Error Log

| Documents - sampkulk@    | whf00phz - WinSCP      |                        |   |                                 |                  | - 0     | X      |
|--------------------------|------------------------|------------------------|---|---------------------------------|------------------|---------|--------|
| Local Mark Files Comma   | ands Session Options I | Remote Help            |   |                                 |                  |         |        |
| 🕂 🚰 ன Synchronize 📘      | 🛛 🖉 💽 🍈 🐽              | eue 🔹 Transfer Setting | qs Default 🔹 🦪 🗸  |                                 |                  |         |        |
| sampkulk@whf00phz ×      |                        |                        |   |                                 |                  |         |        |
|                          | -                      | 1 1 4 4                |   |                                 |                  |         |        |
|                          |                        |                        | UserLog • 🗂 • $\mathbf{v}$ • $\mathbf{v}$ • $\mathbf{v}$ $\mathbf{v}$ $\mathbf{v}$ • $\mathbf{v}$ | *                               |                  |         |        |
| 🎼 Upload 👻 📝 Edit 🔹      | 🗙 📝 🎼 Properties       | " + - V                | 🛛 🔐 Download 👻 📝 Edit 🔹 🗙 📝 🕞 Properties  🖆 New 📲 🖃 💟   |                                 |                  |         |        |
| :\Users\sampkulk\Documer | nts\                   |                        | /scratch/obvam/app_logs/UserLogs/   |                                 |                  |         |        |
| ame                      | Size Ty.               | Changed                | Name  | Size Changed                    | Rights           | Owner   |        |
|                          | P                      | . 23-Apr-2021 11:19:   | l <b>≟</b>  | 21-Apr-21 1:16:07 PM            | <b>FWXFWXFWX</b> | obvam   |        |
| Zoom                     | Fi.                    | 23-Apr-2021 11:19:     | obvam-account-services_ADMINUSER1_000_2021-05-06.log  | 13,712 KB 06-May-21 12:16:01 PM | rw-r             | obvam   |        |
|                          |                        |                        | obvam-entity-services_SYSTEM_000_2021-05-06.log   | 209 KB 06-May-21 12:13:56 PM    | rw-r             | obvam   |        |
|                          |                        |                        | obvam-projection-services_ADMINUSER1_000_2021-05-06.log   | 34 KB 06-May-21 12:03:27 PM     | rw-r             | obvam   |        |
|                          |                        |                        | obvam-account-services_ADMINUSER1_000_2021-05-05.log  | 24 KB 06-May-21 12:08:00 AM     | rw-r             | obvam   |        |
|                          |                        |                        | obvam-entity-services_SYSTEM_000_2021-05-05.log   | 1 KB 06-May-21 12:01:15 AM      | rw-r             | obvam   |        |
|                          |                        |                        | obvam-account-services_ADMINUSER1_000_2021-05-05.2021-05-05.0.log                                 | 27,353 KB 05-May-21 11:59:01 PM | rw-r             | obvam   |        |
|                          |                        |                        | obvam-entity-services_SYSTEM_000_2021-05-05.2021-05-05.0.log                                      | 400 KB 05-May-21 11:46:15 PM    | rw-r             | obvam   |        |
|                          |                        |                        | obvam-entity-services_KEITH01_000_2021-05-05.log  | 144 KB 05-May-21 7:07:55 PM     | rw-r             | obvam   |        |
|                          |                        |                        | obvam-account-services_KEITH01_000_2021-05-05.log   | 47 KB 05-May-21 7:07:00 PM      | rw-r             | obvam   |        |
|                          |                        |                        | obvam-entity-services_ARP1_000_2021-05-05.log   | 73 KB 05-May-21 7:05:57 PM      | rw-r             | obvam   |        |
|                          |                        |                        | obvam-account-services_ARP1_000_2021-05-05.log  | 64 KB 05-May-21 7:00:00 PM      | rw-r             | obvam   |        |
|                          |                        |                        | obvam-projection-services_ADMINUSER1_000_2021-05-05.log   | 34 KB 05-May-21 4:02:37 PM      | rw-r             | obvam   |        |
|                          |                        |                        | obvam-entity-services_SYSTEM_000_2021-05-04.log   | 1 KB 05-May-21 12:12:48 AM      | rw-r             | obvam   |        |
|                          |                        |                        | obvam-account-services_ADMINUSER1_000_2021-05-04.log  | 24 KB 05-May-21 12:05:00 AM     | rw-r             | obvam   |        |
|                          |                        |                        | obvam-account-services_ADMINUSER1_000_2021-05-04.2021-05-04.0.log                                 | 27,395 KB 04-May-21 11:59:02 PM | rw-r             | obvam   |        |
|                          |                        |                        | obvam-entity-services_SYSTEM_000_2021-05-04.2021-05-04.0.log                                      | 404 KB 04-May-21 11:57:48 PM    | rw-r             | obvam   |        |
|                          |                        |                        | obvam-projection-services_ADMINUSER1_000_2021-05-04.log   | 34 KB 04-May-21 11:35:08 AM     | rw-r             | obvam   |        |
|                          |                        |                        | cmc-transactioncontroller-services_KEITH01_000_2021-05-04.log                                     | 10 KB 04-May-21 10:36:53 AM     | rw-r             | obvam   |        |
|                          |                        |                        | cmc-resource-segment-orchestrator-service_KEITH01_000_2021-05-04.log                              | 12 KB 04-May-21 10:36:51 AM     | rw-r             | obvam   |        |
|                          |                        |                        | obvam-entity-services_SYSTEM_000_2021-05-03.log   | 1 KB 04-May-21 12:08:29 AM      | rw-r             | obvam   |        |
|                          |                        |                        | obvam-account-services_ADMINUSER1_000_2021-05-03.log  | 28 KB 04-May-21 12:06:00 AM     | rw-r             | obvam   |        |
|                          |                        | >                      | obvam-account-services_ADMINUSER1_000_2021-05-03.2021-05-03.0.log                                 | 27,350 KB 03-May-21 11:59:02 PM | rw-r             | obvam   |        |
| B of 0 B in 0 of 1       |                        | 4 hidden               | 0 B of 205 MB in 0 of 61  |                                 |                  |         |        |
|                          |                        |                        |   |                                 | G SFT            | P-3 🖤 ( | 0:00:0 |

#### Logs are not generated

If you are not getting logs, put the loggers across API, hit through postman, and test again.



| ) Po | stman  |              |                             |               |               |            |              |                   |                  |                            |                |   |          |           |         | - 6      | p     | ×          |  |
|------|--|--------------|-----------------------------|---------------|---------------|------------|--------------|-------------------|------------------|----------------------------|----------------|---|----------|-----------|---------|----------|-------|------------|--|
|      | Edit Vie   | w Help       |                             |               |               |            |              |                   |                  |                            |                |   |          |           |         |          |       |            |  |
| Но   | me   | Workspaces   | <ul> <li>Reports</li> </ul> | Explore       | ÷             |            |              | Q Search          | Postman          |                            |                |   | $\Delta$ | c, tô     | Sign In | Create # | ccoun |            |  |
|      |  |              |                             |               |               | 8          | Working loca | Illy in Scratch I | Pad. Switch to a | Workspace                  |                |   |          |           |         |          |       | ×          |  |
| 3    | GET ht   | tp:// • GET  | http:// •                   | ET http:// •  | GET http:/    | II •       | GET http://  | • GET http        | 0:// • Get       | http:// •                  | GET http://l • | + | 000      | Account_F | acility |          | ~     | $^{\odot}$ |  |
| ~~~  | http://localhost:7001/obvam-account-services/accounts?realCustomerNo=20233 |              |                             |               |               |            |              |                   |                  |                            |                |   |          | Save      | ~       |          |       |            |  |
| 0    | GET  | ~ 1          | http://localhost:70         | 001/obvam-acc | ount-service: | s/accounts | ?realCustom  | erNo=20233        |                  |                            |                |   |          |           |         | Send 🗸   |       |            |  |
|      | Params  Auth Headers (12) Body Pre-req. Tests Settings                     |              |                             |               |               |            |              | Cookies           | Response         |                            |                |   |          |           |         |          | Þ     |            |  |
| 1)   |  | KEY          | VALUE                       | DESCRIPTIO    | N             | 000        | Bulk Edit    | Presets ~         |                  |                            |                |   |          |           |         |          |       |            |  |
|      |  | appld        | VAM                         |               |               |            |              |                   |                  |                            |                |   |          |           |         |          |       |            |  |
|      |  | branchCode   | 000                         |               |               |            |              |                   |                  |                            |                |   |          |           |         |          |       |            |  |
|      |  | userId       | ADMINUSER1                  |               |               |            |              |                   |                  |                            |                |   |          |           |         |          |       |            |  |
|      |  | Content-Type | application/j               |               |               |            |              |                   |                  |                            | Grad Grad      |   |          |           |         |          |       |            |  |
|      |  | entityld     | DEFAULTEN                   |               |               |            |              |                   |                  |                            |                |   |          |           |         |          |       |            |  |
|      |  | Key          | Value                       | Description   |               |            |              |                   |                  | Hit Send to get a response |                |   |          |           |         |          |       |            |  |
|      |  |              |                             |               |               |            |              |                   |                  |                            |                |   |          |           |         |          |       |            |  |
| Ð    | Q, Find  | and Replace  | Console                     |               |               |            |              |                   |                  |                            |                |   |          |           |         | ► Runne  | r 🗄   | ?          |  |

#### Figure 4-11 Postman

# 4.1.2 Call is Failing in Oracle Banking Routing Hub / Accounting Call (FCUBS)

This topic provides the troubleshooting information about the call is Failing in Oracle Banking Routing Hub / Accounting Call (FCUBS).

If any call is failing in Oracle Banking Routing Hub, open the CMC\_RH\_AUDIT\_EVENT\_LOG for getting Gateway response (**SUCCESS** or **FAILED**).

Select the following query to verify results.

Query: select \* from CMC\_RH\_AUDIT\_EVENT\_LOG

| 6  |  |   |                |  |  |  |
|--|--|---|----------------|--|--|--|
| MC_RH_AUDIT_EVENT_LOG  | > Dependencies   |   |                |  |  |  |
| nns Data Constraints Gran  | s   Statistics   Triggers   Flashback   Dependencies   Details   Partitions   Indexes   SQL  |   |                |  |  |  |
| 🚱 🛃 🗶 🖪 🔳 Iso  | t. Filter:   |   | ▼ Action       |  |  |  |
| & REQUEST_ID   | DATA   | A EVENT TYPE                                |                |  |  |  |
|  | . {"body":{"data":null, "messages":{"keyId":null, "status":"FA   | · · · · ·                                   | 42f0-8e61-d949 |  |  |  |
| and the second s | . ["headers": ["Accept": ["application/xml, text/xml, applica  |   |                |  |  |  |
|  | . {"body":{"data":null, "messages":{"keyId":null, "status":"FA   |   |                |  |  |  |
|  | . {"headers":{"Accept":["application/xml, text/xml, application/xml, text/xml, text | -   |                |  |  |  |
|  | . ("body": ("data":null, "messages": ("keyId":null, "status": "Fi  |   |                |  |  |  |
|  | . {"headers": {"Accept": ["application/xml, text/xml, application/xml, text/xml, text/xml | -   |                |  |  |  |
|  | . {"headers": ("Accept": ["application/xml, text/xml, application/xml, text/xml, text/ |   |                |  |  |  |
|  | . {"body": {"data":null, "messages": {"keyId":null, "status": "FA  | -   |                |  |  |  |
|  | . ("body": ("data":null, "messages": ("keyId":null, "status": "F.  | _   |                |  |  |  |
| 10 P7F5IrwT6qkdlmAf.   | . {"headers":{"Accept":["application/xml, text/xml, application/xml, text/xml, text/x | tion/json DISPATCH_REQUEST 2a27932b-bf9c-   | 4f20-b9be-829b |  |  |  |
| 11 1Y58Q2VcmHcy0xYk.   | . {"headers":{"Accept":["application/xml, text/xml, application/xml, text/xml, tex | tion/json DISPATCH_REQUEST a092b8c3-b784-   | 4a30-9e60-89d2 |  |  |  |
| 12 1Y58Q2VcmHcy0xYk.   | . {"body":{"data":null, "messages":{"keyId":null, "status":"FA   | AILURE", " DISPATCH_RESPONSE 2c74c94b-e583- | 4524-ac39-b965 |  |  |  |
| 13 1NhKkMgmgQeS63cP.   | . {"headers":{"Accept":["application/xml, text/xml, application/xml, text/xml, tex | tion/json DISPATCH_REQUEST d9c5b5ca-8d0e-   | 42f3-9cc4-3e21 |  |  |  |
| 14 nrSWHpeWg7nMbeVJ.   | . {"body":{"data":null, "messages":{"keyId":null, "status":"FA   | AILURE", " DISPATCH_RESPONSE 6aef5372-5652- | 4516-967b-8bab |  |  |  |
| 15 rDn21UVoU4erjkMV.   | . {"headers":{"Accept":["application/xml, text/xml, application/xml, text/xml, text/xml, application/xml, text/xml,  | tion/json DISPATCH_REQUEST bcf24888-0dea-   | 4f85-87fa-4287 |  |  |  |
| 16 KDZnxGSwsL9WdxPd.   | . {"body":{"data":null,"messages":{"keyId":null,"status":"FA   | AILURE", " DISPATCH_RESPONSE bedlef6d-b965- | 4c75-8924-c369 |  |  |  |
| 17 SX7Kg2xL5Fcsk0Zq.   | . {"headers":{"Accept":["application/xml, text/xml, application/xml, text/xml, text/xml, application/xml, text/xml,  | tion/json DISPATCH_REQUEST dace9a7c-e4d7-   | 4606-bf20-586a |  |  |  |
| 18 1NhKkMgmgQeS63cP.   | . {"body":{"data":null,"messages":{"keyId":null,"status":"FA   | AILURE", " DISPATCH_RESPONSE 0d98527f-c33a- | 4f6b-8795-fel6 |  |  |  |
| 19 nrSWHpeWg7nMbeVJ.   | . {"headers":{"Accept":["application/xml, text/xml, application/xml, text/xml, text/xml, application/xml, text/xml, text/xm | tion/json DISPATCH_REQUEST 5edb0891-f215-   | 4f9a-929b-fe2f |  |  |  |
| 20 rDn21UVoU4erjkMV.   | . {"body":{"data":null,"messages":{"keyId":null,"status":"FA   | AILURE", " DISPATCH_RESPONSE 61677103-2e51- | 462b-a44b-0ecc |  |  |  |
| 21 JCBGbF1DSYbrByP2.   | . {"body":{"data":null,"messages":{"keyId":null,"status":"FA   | AILURE", " DISPATCH_RESPONSE 390b25fa-314e- | 479d-9371-8f71 |  |  |  |
| 22 jDxkFBochv6X02JX.   | . {"headers":{"Accept":["application/xml, text/xml, application/xml, text/xml, text/xml, application/xml, text/xml,  | tion/json DISPATCH_REQUEST d650a6d3-1641-   | 4d21-a705-3cfd |  |  |  |
| 23 jDxkFBochv6X02JX.   | . {"body":{"data":null,"messages":{"keyId":null,"status":"FA   | AILURE", " DISPATCH_RESPONSE df3c9cee-3224- | 4eb1-8fa3-2332 |  |  |  |
| 24 KDZnxGSwsL9WdxPd.   | . {"headers":{"Accept":["application/xml, text/xml, application/xml, text/xml, text/xml, application/xml, text/xml,  | tion/json DISPATCH_REQUEST 2549fb6a-057b-   | 4809-b59f-7alb |  |  |  |
| 25 JCBGbF1DSYbrByP2.   | . {"headers":{"Accept":["application/xml, text/xml, application/xml, text/xml, text/xml, application/xml, text/xml,  | tion/json DISPATCH_REQUEST 38058514-41ad-   | 4fc7-9691-0be0 |  |  |  |
| A CUTUADAT E Faalanta  | ("body", ("data", mull "magazara", ("kould", mull "atatua", """  | TTURF . DICRATCH DECRMICE ask20006 6464     | 4141 bda0 4624 |  |  |  |

Figure 4-12 CMC\_RH\_AUDIT\_EVENT\_LOG

#### Code Error in GCS Side

If there is any error in GCS side codes, use java de-complier to debug the error.

#### 404 Error

The possible causes for 404 error are as follows:

- Check service is not running on Eureka.
- Check service is not deployed in WebLogic.

#### **500 Internal Error**

The possible causes for 500 Internal error are as follows:

- Issue with Plato entries
- Issue with Eureka
- Issue with any peace of code

The server-side debugging is needed for the above-mentioned issues, if it is not captured in logs.

## 4.1.3 Transaction Data Verification

This topic provides the systematic instruction to verify the transaction data.

- 1. In the **IN** request and **OUT** response, make sure that all the field data is going to service side.
- 2. If there is any error related to SMS, check for the availability of SMS entries.

- 3. Validate the endpoints and data.
- 4. Make sure that the data entered on the screen is accurate.

For example, the Account Number should be valid.

| Create Journal Online       |                                       |                                 |                               | 20         |
|-----------------------------|---------------------------------------|---------------------------------|-------------------------------|------------|
| Source Code                 | Source Reference Number               | Booking Date                    | Initiation Date               |            |
| OBVAM Q                     |                                       | April 9, 2018                   | April 9, 2018                 |            |
| Processing Reference Number | Original Reference Number             |                                 |                               |            |
| ~                           |                                       |                                 |                               |            |
| Account Number              | Virtual Account Currency              | Virtual Account Branch          | Debit/Credit                  |            |
| Q                           |                                       |                                 | Debit Credit                  |            |
| Force Debit                 | Transaction Amount                    | Transaction Code                | Value Date                    |            |
|                             | •                                     |                                 | April 9, 2018                 | Ē          |
| Exchange Rate               | Required Requ Account Currency Amount | Reconciliation Reference Number | ECA or Block Reference Number |            |
| Block Release Status        | Reporting Information                 | Real Account Number             | Real Account Branch           |            |
| Real Account Currency       | Real Account Exchange Rate            | Real Account Amount             | Skip DDA Entries              |            |
|                             |                                       |                                 |                               |            |
| DDA Offset                  | Additional Text                       |                                 |                               |            |
| Q                           |                                       |                                 |                               |            |
|                             |                                       | 6                               |                               |            |
|                             |                                       |                                 |                               |            |
|                             |                                       |                                 |                               |            |
|                             |                                       |                                 |                               | Cancel Sav |

#### Figure 4-13 Create Journal Online

## 4.1.4 OBIC Call is Failing

This topic provides the systematic instructions if OBIC call is failing.

- If the OBIC call is failing, check the EIE\_TB\_MSG\_REQ\_LOG and EIE\_TB\_MSG\_RES\_LOG in EIE schema for getting the response (SUCCESS or FAILURE).
- 2. Select the following query to verify results.

Query: Select \* from EIE\_TB\_MSG\_RES\_LOG

# Worksheet Query Builder Select \* from EIE\_TB\_MSG\_REQ\_LOG Select \* from EIE\_TB\_MSG\_RES\_LOS Query Result × Query Result × Select \* from EIE\_TB\_MSG\_RES\_LOS Query Result × Select \* from EIE\_TB\_MSG\_RES\_LOS <

#### Figure 4-14 EIE Schema



## 4.2 Troubleshooting SMS Errors

This topic describes about Troubleshooting SMS Errors.

The possible issues occur in Security Management System are mentioned below.

- Unable to login after launching the application.
- Menus are not displayed after logging in.

## 4.3 Oracle Banking Routing Hub Configuration

This topic describes about Oracle Banking Routing Hub configuration.

Refer to Routing Hub Configuration User Guide for the detailed explanation.



## 5 Troubleshooting OutOfMemory issues

This topic describes about Troubleshooting OutOfMemory issues

This topic contains the following subtopics:

- Extract Heapdump This topic describes about the troubleshooting information to extract Heapdump.
- JFR Tool in Java This topic describes about JFR Tool in Java.
- Quick Recovery This topic provides the systematic instruction to troubleshoot the application for quick recovery.

## 5.1 Extract Heapdump

This topic describes about the troubleshooting information to extract Heapdump.

If there is an error like GC Overhead limit exceeded or OutOfMemoryException is thrown while starting the services, the following details need to be shared.

#### Heap Dump

A heap dump is a snapshot of objects that are in memory in the JVM at a certain timestamp in a transaction. Heap dumps help to troubleshoot memory-leak problems and optimize memory usage in microservices. Heap dumps are usually stored in binary format hprof files.

The HeapDumpOnOutOfMemoryError command-line option that generates a heap dump when a java.lang.OutOfMemoryError is thrown can be used to generate heap dumps:

java -XX:+HeapDumpOnOutOfMemoryError -XX:HeapDumpPath=<file-or-dir-path>

#### **Remote Heap Monitor Setup**

Alternatively, one can setup remote heap monitor to observe the memory leaks in the product. Perform the following steps:

- **1**. To enable jmx, set the following environment variable to start jmx:
  - -Dcom.sun.management.jmxremote
  - -Dcom.sun.management.jmxremote.port=8888
  - Dcom.sun.management.jmxremote.authenticate=false
  - -Dcom.sun.management.jmxremote.ssl=false

#### Note:

If the above variable are set, a jmx service will start on specified port.

2. Setup JVisualVM as follows, to collect heap dumps:



- Start JVisualVM.
- Under "Remote" option, add a host.
- Under the new host, add new jmx connection.

#### Note:

With this setup, the JAVA process can be monitored remotely.

## 5.2 JFR Tool in Java

This topic describes about JFR Tool in Java.

Java Flight Recorder (JFR) is a tool for collecting diagnostic and profiling data about a running Java application. It is integrated into the Java Virtual Machine (JVM) and causes almost no performance overhead, so it can be used even in heavily loaded production environments.

The below documentation provides steps to use JFRs to collect performance details and profiling data of services and can be used to report performance issues for OBMA services.

## 5.3 Quick Recovery

This topic provides the systematic instruction to troubleshoot the application for quick recovery.

As a quick fix, try to restart the managed server or try to increase the memory allocated to the managed server.

Perform the following steps to increase the memory:

1. Click Servers.

#### Figure 5-1 Domain Structure

| Change Center   |      |  |  |  |
|---|------|--|--|--|
| View changes and restarts   |      |  |  |  |
| Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. |      |  |  |  |
| Domain Structure  |      |  |  |  |
| servicing_release   |      |  |  |  |
| Domain Partitions   |      |  |  |  |
| -Environment  |      |  |  |  |
| Servers   |      |  |  |  |
| 🕂 Clusters  |      |  |  |  |
| Coherence Clusters  | - 11 |  |  |  |
| Resource Groups   |      |  |  |  |
| Resource Group Templates  |      |  |  |  |
| Machines  |      |  |  |  |
| Virtual Hosts   |      |  |  |  |
| Virtual Targets   |      |  |  |  |
| Work Managers   |      |  |  |  |
| Concurrent Templates  |      |  |  |  |
| Resource Management   | •    |  |  |  |



- 2. Select the managed server from which you are getting OutOfMemoryException or GC Overhead Limit exceeded.
- 3. Click Server Start tab.

#### Figure 5-2 Server Start

| sectings for |        | ~          |           |          |              |            |             |           |          |          |             |                   |              |              |           |  |
|--------------|--------|------------|-----------|----------|--------------|------------|-------------|-----------|----------|----------|-------------|-------------------|--------------|--------------|-----------|--|
| Configurat   | tion   | Protocols  | Logging   | Debug    | Monitoring   | Control    | Deployments | Services  | Security | Notes    |             |                   |              |              |           |  |
| General      | Cluste | er Service | es Keysto | ores SSL | . Federation | n Services | Deployment  | Migration | Tuning   | Overload | Concurrency | Health Monitoring | Server Start | Web Services | Coherence |  |
| Save         |        |            |           |          |              |            |             |           |          |          |             |                   |              |              |           |  |

4. Specify the memory (which needs to be increased) according to requirement in 512, 1024, 2048 etc., and restart the managed server to fix the issue.

Figure 5-3 Memory Requirements



# 6 Troubleshooting Deployment Errors/ Exceptions

This topic describes the troubleshooting information for Errors/Exceptions that can occur due to flyway while deployment.

#### Errors / Exceptions on Flyway Deployment

The error description is given below:

org.springframework.beans.factory.UnsatisfiedDependencyException: Error creating bean with name 'application': Unsatisfied dependency expressed through field 'flywayApplicationConfig'; nested exception is org.springframework.beans.factory.BeanCreationException: Error creating bean with name 'executeDomain' defined in class path resource [oracle/fsgbu/plato/flyway/FlywayConfig.class]: Bean instantiation via factory method failed; nested exception...SQL State : 42000

In the error, the bean-name can be any of the following:

- executeDomain
- executePlato
- executePlatoSec
- executePlatoUl
- executeSms
- executeCmc
- executeMidofcmc
- executePlatofeed
- executePlatobatch
- executePlatoorch

#### Solution for Errors/Exceptions

- At first for each case,, the service through Plato-configuration-service should be checked to see if it is suggesting the correct scheme via the **plato-config-service**.
- After checking that it is to be ensured for that particular APPLICATION, the following entries are present in the PROPERTIES table in the plato Schema.

#### Table 6-1 Properties Table

| BEAN            | PROPERTY_SET NEED TO BE PRESENT |  |  |  |
|-----------------|---------------------------------|--|--|--|
| executeDomain   | flyway.domain.db.*              |  |  |  |
| executePlato    | flyway.plato.db.*               |  |  |  |
| executePlatoSec | flyway.platosec.db.*            |  |  |  |



| BEAN              | PROPERTY_SET NEED TO BE PRESENT |
|-------------------|---------------------------------|
| executePlatoUI    | flyway.platoui.db.*             |
| executeSms        | flyway.sms.db.*                 |
| executeCmc        | flyway.cmc.db.*                 |
| executeMidofcmc   | flyway.domain.db.*              |
| executePlatofeed  | flyway.platofeed.db.*           |
| executePlatobatch | flyway.platobatch.db.*          |
| executePlatoorch  | flyway.platoorch.db.*           |

Table 6-1 (Cont.) Properties Table

Depending on whether for the flyway db connection, JNDI name is being used or the JDBC URL and other details are used, each property set will look as follows:

#### CASE 1: USING JDBC

```
flyway.domain.db.username
flyway.domain.db.password
flyway.domain.db.jdbcUrl
flyway.domain.db.driver-class-name
flyway.domain.schemas
flyway.domain.locations
flyway.domain.placeholderReplacement
flyway.domain.ignoreMissingMigrations
flyway.domain.outOfOrder
```

#### CASE 2: USING JNDI

```
flyway.domain.db.jndi
flyway.domain.schemas
flyway.domain.locations
flyway.domain.placeholderReplacement
flyway.domain.ignoreMissingMigrations
flyway.domain.outOfOrder
flyway.jndi.datasource.enabled
```

In each case, make sure that all the relevant placeholders are available in the scripts in the respective locations.

#### **Error Description:**

No value provided for placeholder: \${eureka.host}. Check your configuration!

In the example above, an error occurred due to the absence of passing the following parameter in the properties table:

flyway.domain.placeHolders.eureka.host

#### Solution:

Similarly, any placeholder where the error occurred must pass to the environment through the properties table or the command line arguments (as -D parameters).



# A Business Error Codes

This topic describes about the error codes and messages.

| Error Code   | Description  |
|--------------|--|
| GC-CLS-02    | Record Successfully Closed   |
| GC-REOP-03   | Record Successfully Reopened   |
| GCS-AUTH-01  | Record Successfully Authorized   |
| GCS-AUTH-02  | Valid modifications for approval were not sent. Failed to match                                      |
| GCS-AUTH-03  | Maker cannot authorize   |
| GCS-AUTH-04  | No Valid unauthorized modifications found for approval   |
| GCS-CLOS-002 | Record Successfully Closed   |
| GCS-CLOS-01  | Record Already Closed  |
| GCS-CLOS-02  | Record Successfully Closed   |
| GCS-CLOS-03  | Unauthorized record cannot be closed, it can be deleted before first authorization                   |
| GCS-COM-001  | Record does not exist  |
| GCS-COM-002  | Invalid version sent, operation can be performed only on latest version                              |
| GCS-COM-003  | Please Send Proper ModNo   |
| GCS-COM-004  | Please send makerId in the request   |
| GCS-COM-005  | Request is Null. Please Resend with Proper Values  |
| GCS-COM-006  | Unable to parse JSON   |
| GCS-COM-007  | Request Successfully Processed   |
| GCS-COM-008  | Modifications should be consecutive  |
| GCS-COM-009  | Resource ID cannot be blank or "null"  |
| GCS-COM-010  | Successfully cancelled \$1   |
| GCS-COM-011  | \$1 failed to update   |
| GCS-DEL-001  | Record deleted successfully  |
| GCS-DEL-002  | Record(s) deleted successfully   |
| GCS-DEL-003  | Modifications did not match valid unauthorized modifications that can be deleted for this record     |
| GCS-DEL-004  | Send all unauthorized modifications to be deleted for record that is not authorized even once        |
| GCS-DEL-005  | Only Maker of first version of record can delete modifications of record that is not once authorized |
| GCS-DEL-006  | No valid unauthorized modifications found for deleting   |
| GCS-DEL-007  | Failed to delete. Only maker of the modification(s) can delete                                       |
| GCS-MOD-001  | Closed Record cannot be modified   |
| GCS-MOD-002  | Record Successfully Modified   |
| GCS-MOD-003  | Record marked for close, cannot modify   |
| GCS-MOD-004  | Only maker of the record can modify before once auth   |
| GCS-MOD-005  | Not amendable field, cannot modify   |

#### Table A-1 List of Error Codes



| Table A-1 | (Cont.) List of Error Codes |
|-----------|-----------------------------|
|           |                             |

| Error Code   | Description  |
|--------------|--|
| GCS-MOD-006  | Natural Key cannot be modified   |
| GCS-MOD-007  | Only the maker can modify the pending records  |
| GCS-REOP-003 | Successfully Reopened  |
| GCS-REOP-01  | Unauthorized Record cannot be Reopened   |
| GCS-REOP-02  | Failed to Reopen the Record, cannot reopen Open records  |
| GCS-REOP-03  | Successfully Reopened  |
| GCS-REOP-04  | Unauthorized record cannot be reopened, record should be closed and authorized   |
| GCS-SAV-001  | Record already exists  |
| GCS-SAV-002  | Record Saved Successfully  |
| GCS-SAV-003  | The record is saved and validated successfully   |
| GCS-VAL-001  | The record is successfully validated   |
| VAI-BRP-01   | Mask can contain only the characters a,n and f   |
| VAI-BRP-02   | Please don't enter Fixed Value as the character f is not present in the Mask   |
| VAI-BRP-03   | Please Enter the Fixed Value as the mask Contains the character f  |
| VAI-BRP-04   | f cannot have multiple occurrence in the Mask  |
| VAI-BRP-05   | \$1 Branch Code is not Valid   |
| VAI-BRP-06   | Sum of identifier Start position and the length of the Mask cannot exceed Maximum size of the Account Number   |
| VAI-BRP-07   | Record cannot be closed as there are active identifiers mapped to real account number  |
| VAI-BRP-08   | Cannot Reopen Record as the Branch Code is Closed  |
| VAI-BRP-10   | \$1 cannot be Modified   |
| VAI-BRP-11   | Rate Type is invalid   |
| VAI-IBAN-001 | Invalid identifier branch for the given Identifier   |
| VAI-IBAN-002 | BBAN format mask is not maintained   |
| VAI-IBAN-003 | Length of Bank code differs from bban format bank code mask character length   |
| VAI-IBAN-004 | BBAN Bank code is not maintained   |
| VAI-IBAN-005 | Length of Branch code differs from bban format branch code mask character length   |
| VAI-IBAN-006 | BBAN Branch code is not maintained   |
| VAI-IBAN-007 | Length of Identifier account does not match with the length of mask character z maintained in BBAN format mask   |
| VAI-IBAN-008 | Identifier Account could not be generated  |
| VAI-IBAN-009 | Failed to validate BBAN data type  |
| VAI-IBAN-010 | Mismatch in length of bban format mask and bban data type  |
| VAI-IBN-24   | BBAN Format Mask is mandatory if BBAN Data Type is present   |
| VAI-IBN-25   | IBAN Country Code can have maximum of only two characters to generate IBAN, If you want to generate IBAN choose a country with only two characters as Country Code |
| VAI-IBN-26   | BBAN Data Type is mandatory if BBAN Format Mask is present   |
| VAI-IBN-27   | BBAN Data Type length and BBAN Mask Length must be the same  |
| l            | Bank Code is part of BBAN Mask and the same is not maintained  |



| Table A-1 | (Cont.) List of Error Codes |
|-----------|-----------------------------|
|           |                             |

| Error Code | Description   |
|------------|---|
| VAI-IBN-30 | Alphabet h can occur only once in BBAN Format Mask  |
| VAI-IBN-31 | Account mask maintained in BBAN format Mask is not the same as the Account Mask maintained for the branch         |
| VAI-IBN-34 | Branch Code is part of BBAN Mask and the same is not maintained   |
| VAI-IBN-35 | Branch Code needs to be maintained with the length and data type maintained as in BBAN Data Type field            |
| VAI-IBN-36 | Bank Code needs to be maintained with the length and data type maintained as in BBAN Data Type field              |
| VAI-IBN-40 | Identifier Mask is not maintained for the host  |
| VAI-IBN-56 | Bban bank code should be blank if b is not part of bban format mask   |
| VAI-IBN-57 | Bban branch code should be blank if s is not part of bban format mask   |
| VAI-IBN-59 | Country code is not valid. Country code maintained for Current branch is \$1                                      |
| VAI-IBN-62 | \$1 Checksum Algorithm is invalid   |
| VAI-IBN-65 | The length of BBAN Remittance ID Mask does not match BBAN Format Mask. Allowed length for Remitter Id mask is \$1 |
| VAI-IBN-66 | Remitter Id mask needs to be maintained with the length and data type maintained as in BBAN Data Type field       |
| VAI-IBN-68 | Country Code is not maintained for the Current branch.  |
| VAI-MAP-01 | Only One Account Can be selected as Default Account   |
| VAI-MAP-02 | Duplicate Rows with Same Transaction Currency are Present in the Multi Block                                      |
| VAI-MAP-03 | Length of Virtual Identifier and Identifier Mask must be equal  |
| VAI-MAP-04 | Please Enter a Numeric Digit in Virtual Identifier for the corresponding mask character n in the Mask             |
| VAI-MAP-05 | Please Enter an Alpha-Numeric Digit in Virtual Identifier for the corresponding mask character a in the Mask      |
| VAI-MAP-06 | The Value of fixed Identifier at Position \$1 should not be altered   |
| VAI-MAP-07 | Please Select one default Account   |
| VAI-MAP-08 | Please Enter All the Values in the Multi Block  |
| VAI-MAP-09 | Enter Atleast one Row in the MultiBlock Grid  |
| VAI-MAP-10 | Real customer should not be modified  |
| VAI-MAP-11 | Select one Account as Default   |
| VAI-MAP-12 | Invalid Account Number for given branch   |
| VAI-MAP-13 | Invalid Account Number for the Given Customer   |
| VAI-MAP-14 | Duplicate Rows with Same Account No are Present   |
| VAI-MAP-15 | Identifier Value must be Same in both Master and Detail   |
| VAI-MAP-16 | Invalid Currency \$1  |
| VAI-MAP-17 | Invalid Branch Code \$1   |
| VAI-MAP-18 | Invalid Customer No \$1   |
| VAI-MAP-19 | Invalid Rule Id \$1   |
| VAI-MAP-20 | Account Currency of \$1 and Transaction currency must be same   |
| VAI-MAP-21 | \$1 cannot be modified  |
| VAI-MAP-22 | Account Group Id must not be entered when Account Linkage is A  |

| Error Code   | Description  |
|--------------|--|
| VAI-MAP-23   | Real Account Number and Branch cannot be null when Account Linkage is A  |
| VAI-MAP-24   | Invalid Account for the Customer in Core   |
| VAI-MAP-25   | Invalid Account for the Customer   |
| VAI-MAP-26   | Please input Account Group Id as the Account Linkage is G  |
| VAI-MAP-27   | Real Account Number and Branch is not required as the Account<br>Linkage is G  |
| VAI-MAP-28   | Invalid Account Group Id for the Real Customer   |
| VAI-MAP-29   | Cannot close Identifier as it is mapped in Identifier Rule   |
| VAI-MAP-30   | Invalid host code  |
| VAI-REML-001 | Invalid value for Virtual Identifier   |
| VAI-REML-002 | Remitter list id is not mapped to the identifier. Please choose identifier mapped to remitter list id                            |
| VAI-REML-003 | The length of the combination of Remittance ID and Virtual Account Identifier must be between minimum and maximum length of rule |
| VAI-REML-004 | The length of the remitter id must be equal to the length of the remitter mask   |
| VAI-REML-005 | Invalid Remitter List Id   |
| VAI-REML-006 | IBAN generation failed   |
| VAI-REML-007 | RECORD not found   |
| VAI-REML-008 | The characters in Remittance ID does not match with the BBAN Remittance ID Mask  |
| VAI-REML-009 | Start Date cannot be less than Application Date \$1  |
| VAI-REML-010 | End Date cannot be less than Start Date  |
| VAI-REML-011 | Invalid Date Format  |
| VAI-RMLS-01  | Invalid Real Customer Number   |
| VAI-RMLS-02  | RemitterListId should be alphanumeric  |
| VAI-RMLS-03  | Invalid Remitter ID: Either Remitter ID is not present in the List or its Status is Closed                                       |
| VAI-RMLS-04  | Atleast one record should be present in detail block   |
| VAI-RMLS-05  | Remitter ID for 2 records cannot be same   |
| VAI-RMLS-06  | Validity End Date Should be Greater than Validity Start Date   |
| VAI-RMLS-07  | Transaction Value Date should be Greater than the Validity Start Date of Remitter ID   |
| VAI-RMLS-08  | Transaction Value Date should be Less than the Validity End Date of Remitter ID  |
| VAI-RMLS-09  | Remitter Id should be alphanumeric   |
| VAI-RMLS-10  | RemitterListId is linked to a real customer in Static Rule Maintenance   |
| VAI-RMLS-11  | Maximum Length allowed for RemitterListID is 35  |
| VAI-RMLS-12  | RemitterList ID in master and detail blocks are not matching   |
| VAI-RMLS-13  | Maximum Length allowed for RemitterID is 35  |
| VAI-RMLS-14  | Record Cannot be reopened as Customer is closed  |
| VAI-RMLS-15  | Invalid Remitter List Id   |
| VAI-RMLS-16  | Validity Start Date format is invalid  |
| VAI-RMLS-17  | Validity start date should be an application date or less  |

Table A-1 (Cont.) List of Error Codes



| Table A-1 | (Cont.) List of Error Codes |
|-----------|-----------------------------|

| Error Code  | Description  |
|-------------|--|
| VAI-RMLS-18 | Validity End Date format is invalid  |
| VAI-RULE-01 | Please Enter both Minimum Length and Maximum Length  |
| VAI-RULE-02 | Please Enter both Start Number and End Number  |
| VAI-RULE-03 | Please Enter both From Amount and To Amount  |
| VAI-RULE-04 | Collection start date and end date both should be entered  |
| VAI-RULE-05 | Maximum Length Cannot be greater than Max Length of Account Number   |
| VAI-RULE-06 | Minimum Length Cannot be greater than Max Length of Account Number   |
| VAI-RULE-07 | Minimum Length Cannot be greater than Maximum Length   |
| VAI-RULE-08 | Remitter Id Start Number Cannot be Greater than Remitter Id End Number                                     |
| VAI-RULE-09 | Txn amount Start Range Cannot be greater than Txn amount End Range   |
| VAI-RULE-10 | Collection Start Date Cannot be greater than Collection End Date   |
| VAI-RULE-11 | Both CheckDigit Position and Algorithm must be input   |
| VAI-RULE-12 | Remitter ID Range, User Defined Rules and Checksum fields must not be input when Remitter List ID is input |
| VAI-RULE-13 | Check Digit Position is greater than Max length of Account Number  |
| VAI-RULE-14 | RuleId must be Alphanumeric \$1  |
| VAI-RULE-15 | Enter both start time and end time   |
| VAI-RULE-16 | Enter start position and Date Format when end date is checked  |
| VAI-RULE-17 | Remitter List ID is invalid  |
| VAI-RULE-18 | Start time must be of the form hh:mm:ss  |
| VAI-RULE-19 | End Time must be of the form hh:mm:ss  |
| VAI-RULE-20 | The Value Entered for Reporting Preference is Invalid  |
| VAI-RULE-21 | Invalid Value for Failure Action   |
| VAI-RULE-22 | Enter Prefix/Suffix as Reporting Preference has pre/suf value  |
| VAI-RULE-23 | Don't Enter Prefix/Suffix as Reporting Preference does not have pre/suf value                              |
| VAI-RULE-24 | Don't enter Prefix/Suffix as Reporting Preference is null  |
| VAI-RULE-25 | Exception Suffix must be present when Failure Action is Proceed  |
| VAI-RULE-26 | Real Customer No does not Exist  |
| VAI-RULE-27 | Length Validation Failed for Account No \$1  |
| VAI-RULE-28 | Remitter ID Range Validation Failed for Account No \$1   |
| VAI-RULE-29 | Transaction Amount Range Validation Failed for Account No \$1  |
| VAI-RULE-30 | Collection Date Validation Failed for Account No \$1   |
| VAI-RULE-31 | Remitter List Id Validation failed   |
| VAI-RULE-32 | Modulo 10 checksum Validation Failed for Account \$1   |
| VAI-RULE-33 | Modulo 11 checksum Validation Failed for Account \$1   |
| VAI-RULE-34 | Modulo 11 with weights checksum Validation Failed for Account \$1  |
| VAI-RULE-35 | Please Enter Collection Start Date and End Date as Collection Time is specified                            |
| VAI-RULE-36 | Record Cannot be Closed as active Record for this Rule Id Exists in IDMAP                                  |



| Error CodeDescriptionVAI-RULE-37Collection Date Format is InvalidVAI-RULE-38hh cannot be greater than 59VAI-RULE-39mm cannot be greater than 59VAI-RULE-40ss cannot be greater than 59VAI-RULE-41Cannot reopen as Real Customer is invalidVAI-RULE-42Same CCy cannot be present multiple times in the blockVAI-RULE-43RuleId in Master and Detail Cannot be differentVAI-RULE-44Enter Both Transaction Currency and Transaction Amount Range with<br>amount greater than 0VAI-RULE-45Enter Valid Value for CheckSum AlgorithmVAI-RULE-46Min Length Value must be greater than 0VAI-RULE-47Max Length Value must be greater than 0VAI-RULE-48Remitter Id Start and End Range must be greater than 0VAI-RULE-49Failed in Validating Include End Date Part for Account \$1VAI-RULE-50Invalid Currency \$1VAI-RULE-51ChkdgtIncludeTxnamt flag must be Y or NVAI-RULE-52EndDatePartOfAccno flag must be Y or NVAI-RULE-53Start Time Cannot be Greater or Equal To End Time If Start and End<br>Date is sameVAI-RULE-54Cannot Reopen as Real Customer is Closed in Core CustomerVAI-RULE-55Cannot Reopen as Real Customer is Closed in Core CustomerVAI-RULE-56Time Format is InvalidVAI-RULE-57Failure Action Should Not Empty as Reporting Preference is inputedVAI-RULE-50remat Endsuity AuthorizedGCS-AUTH-01Record Successfully AuthorizedGCS-AUTH-02Valid mualthorized modifications found for approvalGCS-  |              |   |
|--|--------------|---|
| VAI-RULE-38       hh cannot be greater than 23         VAI-RULE-39       mm cannot be greater than 59         VAI-RULE-40       ss cannot be greater than 59         VAI-RULE-41       Cannot reopen as Real Customer is invalid         VAI-RULE-42       Same CCy cannot be present multiple times in the block         VAI-RULE-43       Ruleld in Master and Detail Cannot be different         VAI-RULE-44       Enter Both Transaction Currency and Transaction Amount Range with<br>amount greater than 0         VAI-RULE-45       Enter Valid Value for CheckSum Algorithm         VAI-RULE-46       Min Length Value must be greater than 0         VAI-RULE-47       Max Length Value must be greater than 0         VAI-RULE-48       Remitter 10 Start and End Range must be greater than 0         VAI-RULE-50       Invalid Currency \$1         VAI-RULE-51       ChkdgtIncludeTxnamt flag must be Y or N         VAI-RULE-52       EndDatePartOfAcone flag must be Y or N         VAI-RULE-53       Start Time Cannot be Greater or Equal To End Time If Start and End<br>Date is same         VAI-RULE-54       Cannot Reopen as Real Customer is Closed in Core Customer         VAI-RULE-55       Cannot Reopen as Real Customer is Closed in Core Customer         VAI-RULE-56       Time Format is Invalid         VAI-RULE-57       Failure Action Should Not Empty as Reporting Preference is inputed  | Error Code   | Description   |
| VAI-RULE-39         mm cannot be greater than 59           VAI-RULE-40         ss cannot be greater than 59           VAI-RULE-41         Cannot reopen as Real Customer is invalid           VAI-RULE-42         Same CCy cannot be present multiple times in the block           VAI-RULE-43         Ruleld in Master and Detail Cannot be different           VAI-RULE-44         Enter Both Transaction Currency and Transaction Amount Range with amount greater than 0           VAI-RULE-45         Enter Valid Value for CheckSum Algorithm           VAI-RULE-46         Min Length Value must be greater than 0           VAI-RULE-47         Max Length Value must be greater than 0           VAI-RULE-48         Remitter Id Start and End Range must be greater than 0           VAI-RULE-49         Failed in Validating Include End Date Part for Account \$1           VAI-RULE-50         Invalid Currency \$1           VAI-RULE-51         ChkdgtIncludeTxnamt flag must be Y or N           VAI-RULE-52         EndDatePartO/Accon flag must be Y or N           VAI-RULE-53         Start Time Connot be Greater or Equal To End Time If Start and End Date is same           VAI-RULE-54         Cannot Reopen as Real Customer is Closed in Remittance           VAI-RULE-55         Cannot Reopen as Real Customer is Closed in Core Customer           VAI-RULE-56         Time Format is Invalid           VAI-RULE-57 </td <td>VAI-RULE-37</td> <td>Collection Date Format is Invalid</td> | VAI-RULE-37  | Collection Date Format is Invalid                                       |
| VAI-RULE-40       ss cannot be greater than 59         VAI-RULE-41       Cannot reopen as Real Customer is invalid         VAI-RULE-42       Same CCy cannot be present multiple times in the block         VAI-RULE-43       Ruleld in Master and Detail Cannot be different         VAI-RULE-44       Enter Both Transaction Currency and Transaction Amount Range with<br>amount greater than 0         VAI-RULE-45       Enter Valid Value for CheckSum Algorithm         VAI-RULE-46       Min Length Value must be greater than 0         VAI-RULE-47       Max Length Value must be greater than 0         VAI-RULE-48       Remitter Id Start and End Range must be greater than 0         VAI-RULE-50       Invalid Currency \$1         VAI-RULE-51       ChkdgtIncludeTxnamt flag must be Y or N         VAI-RULE-52       EndDatePartOlAcono flag must be Y or N         VAI-RULE-53       Start Time Cannot Bopen as Real Customer is Closed in Remittance         VAI-RULE-54       Cannot Reopen as Real Customer is Closed in Core Customer         VAI-RULE-55       Cannot Reopen as Real Customer is Closed in Advectore and bate is same         VAI-RULE-56       Time Format is Invalid         VAI-RULE-57       Failure Action Should Not Empty as Reporting Preference is inputed         VAI-RULE-50       Record Successfully Closed         GC-LS-02       Record Successfully Closed  | VAI-RULE-38  | hh cannot be greater than 23  |
| VAI-RULE-41       Cannot reopen as Real Customer is invalid         VAI-RULE-42       Same CCy cannot be present multiple times in the block         VAI-RULE-43       Ruleld in Master and Detail Cannot be different         VAI-RULE-44       Enter Both Transaction Currency and Transaction Amount Range with<br>amount greater than 0         VAI-RULE-45       Enter Valid Value for CheckSum Algorithm         VAI-RULE-46       Min Length Value must be greater than 0         VAI-RULE-48       Remitter Id Start and End Range must be greater than 0         VAI-RULE-49       Failed in Validating Include End Date Part for Account \$1         VAI-RULE-50       Invalid Currency \$1         VAI-RULE-51       ChkdgtincludeTxnamt flag must be Y or N         VAI-RULE-53       Start Time Cannot be Greater or Equal To End Time If Start and End<br>Date is same         VAI-RULE-54       Cannot Reopen as Real Customer is Closed in Core Customer         VAI-RULE-55       Cannot Reopen as Real Customer is Closed in Core Customer         VAI-RULE-56       Time Format is Invalid         VAI-RULE-57       Failure Action Should Not Empty as Reporting Preference is inputed         VAI-RULE-50       Record Successfully Closed         GC-LS-02       Record Successfully Authorized         GC-LS-03       Successfully Reopened         GCS-AUTH-04       No Valid unauthorized <t< td=""><td>VAI-RULE-39</td><td>mm cannot be greater than 59</td></t<>                            | VAI-RULE-39  | mm cannot be greater than 59  |
| VAI-RULE-42       Same CCy cannot be present multiple times in the block         VAI-RULE-43       RuleId in Master and Detail Cannot be different         VAI-RULE-44       Enter Both Transaction Currency and Transaction Amount Range with<br>amount greater than 0         VAI-RULE-45       Enter Valid Value for CheckSum Algorithm         VAI-RULE-46       Min Length Value must be greater than 0         VAI-RULE-47       Max Length Value must be greater than 0         VAI-RULE-48       Remitter Id Start and End Range must be greater than 0         VAI-RULE-49       Failed in Validating Include End Date Part for Account \$1         VAI-RULE-50       Invalid Currency \$1         VAI-RULE-51       ChkdgtincludeTxnamt flag must be Y or N         VAI-RULE-52       EndDatePartOfAccno flag must be Y or N         VAI-RULE-53       Start Time Cannot be Greater or Equal To End Time If Start and End<br>Date is same         VAI-RULE-54       Cannot Reopen as Real Customer is Closed in Remittance         VAI-RULE-55       Cannot Reopen as Real Customer is Closed in Core Customer         VAI-RULE-57       Failure Action Should Not Empty as Reporting Preference is inputed         VAI-RULE-57       Failure Actions for approval were not sent. Failed to match<br>GCS-AUTH-01         Record Successfully Closed       GCS-AUTH-02         GCS-AUTH-03       Maker cannot authorized         GCS-CLOS-0   | VAI-RULE-40  | ss cannot be greater than 59  |
| VAI-RULE-43       RuleId in Master and Detail Cannot be different         VAI-RULE-44       Enter Both Transaction Currency and Transaction Amount Range with amount greater than 0         VAI-RULE-45       Enter Valid Value for CheckSum Algorithm         VAI-RULE-46       Min Length Value must be greater than 0         VAI-RULE-47       Max Length Value must be greater than 0         VAI-RULE-48       Remitter Id Start and End Range must be greater than 0         VAI-RULE-50       Invalid Currency \$1         VAI-RULE-51       ChkdgtincludeTxnamt flag must be Y or N         VAI-RULE-52       EndDatePartOfAccno flag must be Y or N         VAI-RULE-53       Start Time Cannot be Greater or Equal To End Time If Start and End Date is same         VAI-RULE-54       Cannot Reopen as Real Customer is Closed in Remittance         VAI-RULE-55       Cannot Reopen as Real Customer is Closed in Core Customer         VAI-RULE-57       Failure Action Should Not Empty as Reporting Preference is inputed         VAI-RULE-57       Failure Action Should Not Empty as Reporting Preference is inputed         VAI-RULE-50       Record Successfully Closed         GCS-AUTH-01       Record Successfully Authorized         GCS-AUTH-02       Valid modifications for approval were not sent. Failed to match         GCS-AUTH-03       Maker cannot authorize         GCS-AUTH-04       No Vali  | VAI-RULE-41  | Cannot reopen as Real Customer is invalid                               |
| VAI-RULE-44       Enter Both Transaction Currency and Transaction Amount Range with amount greater than 0         VAI-RULE-45       Enter Valid Value for CheckSum Algorithm         VAI-RULE-46       Min Length Value must be greater than 0         VAI-RULE-47       Max Length Value must be greater than 0         VAI-RULE-47       Max Length Value must be greater than 0         VAI-RULE-47       Max Length Value must be greater than 0         VAI-RULE-48       Remitter Id Start and End Range must be greater than 0         VAI-RULE-50       Invalid Currency \$1         VAI-RULE-51       ChkdgtincludeTxnamt flag must be Y or N         VAI-RULE-52       EndDatePartOfAccno flag must be Y or N         VAI-RULE-53       Start Time Cannot be Greater or Equal To End Time If Start and End Date is same         VAI-RULE-54       Cannot Reopen as Real Customer is Closed in Remittance         VAI-RULE-55       Cannot Reopen as Real Customer is Closed in Core Customer         VAI-RULE-57       Failure Action Should Not Empty as Reporting Preference is inputed         VAI-RULE-57       Failure Action Should Not Empty as Reporting Preference is inputed         VAI-RULE-50       remitter list id is already mapped to remittance detail and hence cannot be modified         GC-LS-02       Record Successfully Closed         GCS-AUTH-01       Record Successfully Closed         GCS-CLOS-02   | VAI-RULE-42  | Same CCy cannot be present multiple times in the block                  |
| amount greater than 0         VAI-RULE-45       Enter Valid Value for CheckSum Algorithm         VAI-RULE-46       Min Length Value must be greater than 0         VAI-RULE-47       Max Length Value must be greater than 0         VAI-RULE-48       Remitter Id Start and End Range must be greater than 0         VAI-RULE-49       Failed in Validating Include End Date Part for Account \$1         VAI-RULE-50       Invalid Currency \$1         VAI-RULE-51       ChkdgtlncludeTxnamt flag must be Y or N         VAI-RULE-52       EndDatePartOfAccno flag must be Y or N         VAI-RULE-53       Start Time Cannot be Greater or Equal To End Time If Start and End Date is same         VAI-RULE-54       Cannot Reopen as Real Customer is Closed in Remittance         VAI-RULE-55       Cannot Reopen as Real Customer is Closed in Core Customer         VAI-RULE-56       Time Format is Invalid         VAI-RULE-57       Failure Action Should Not Empty as Reporting Preference is inputed         VAI-RULE-90       remitter list id is already mapped to remittance detail and hence cannot be modified         GC-LS-02       Record Successfully Closed         GCS-AUTH-01       Record Successfully Authorized         GCS-AUTH-02       Valid modifications for approval were not sent. Failed to match         GCS-CLOS-002       Record Successfully Closed         GCS-CLOS-01 </td <td>VAI-RULE-43</td> <td>RuleId in Master and Detail Cannot be different</td>                     | VAI-RULE-43  | RuleId in Master and Detail Cannot be different                         |
| VAI-RULE-46       Min Length Value must be greater than 0         VAI-RULE-47       Max Length Value must be greater than 0         VAI-RULE-48       Remitter Id Start and End Range must be greater than 0         VAI-RULE-49       Failed in Validating Include End Date Part for Account \$1         VAI-RULE-50       Invalid Currency \$1         VAI-RULE-51       ChkdgtIncludeTxnamt flag must be Y or N         VAI-RULE-52       EndDatePartOfAccno flag must be Y or N         VAI-RULE-53       Start Time Cannot be Greater or Equal To End Time If Start and End Date is same         VAI-RULE-54       Cannot Reopen as Real Customer is Closed in Remittance         VAI-RULE-55       Cannot Reopen as Real Customer is Closed in Core Customer         VAI-RULE-56       Time Format is Invalid         VAI-RULE-57       Failure Action Should Not Empty as Reporting Preference is inputed         VAI-RULE-50       remitter list id is already mapped to remittance detail and hence cannot be modified         GC-LS-02       Record Successfully Closed         GCS-AUTH-01       Record Successfully Authorized         GCS-AUTH-02       Valid modifications for approval were not sent. Failed to match         GCS-CLOS-002       Record Successfully Closed         GCS-CLOS-01       Record Successfully Closed         GCS-CLOS-02       Record Successfully Closed   | VAI-RULE-44  |   |
| VAI-RULE-47       Max Length Value must be greater than 0         VAI-RULE-48       Remitter Id Start and End Range must be greater than 0         VAI-RULE-49       Failed in Validating Include End Date Part for Account \$1         VAI-RULE-50       Invalid Currency \$1         VAI-RULE-51       ChkdgtIncludeTxnamt flag must be Y or N         VAI-RULE-52       EndDatePartOfAccno flag must be Y or N         VAI-RULE-53       Start Time Cannot be Greater or Equal To End Time If Start and End Date is same         VAI-RULE-54       Cannot Reopen as Real Customer is Closed in Remittance         VAI-RULE-55       Cannot Reopen as Real Customer is Closed in Core Customer         VAI-RULE-56       Time Format is Invalid         VAI-RULE-57       Failure Action Should Not Empty as Reporting Preference is inputed         VAI-RULE-50       remitter list id is already mapped to remittance detail and hence cannot be modified         GC-LS-02       Record Successfully Closed         GC-REOP-03       Successfully Reopened         GCS-AUTH-01       Record Successfully Authorized         GCS-AUTH-02       Valid modifications for approval were not sent. Failed to match         GCS-CLOS-02       Record Successfully Closed         GCS-CLOS-01       Record Successfully Closed         GCS-CLOS-02       Record Successfully Closed         GCS-CLOS-03 <td>VAI-RULE-45</td> <td>Enter Valid Value for CheckSum Algorithm</td>  | VAI-RULE-45  | Enter Valid Value for CheckSum Algorithm                                |
| VAI-RULE-48Remitter Id Start and End Range must be greater than 0VAI-RULE-49Failed in Validating Include End Date Part for Account \$1VAI-RULE-50Invalid Currency \$1VAI-RULE-51ChkdgtIncludeTxnamt flag must be Y or NVAI-RULE-52EndDatePartOfAccno flag must be Y or NVAI-RULE-53Start Time Cannot be Greater or Equal To End Time If Start and End<br>Date is sameVAI-RULE-54Cannot Reopen as Real Customer is Closed in RemittanceVAI-RULE-55Cannot Reopen as Real Customer is Closed in Core CustomerVAI-RULE-56Time Format is InvalidVAI-RULE-57Failure Action Should Not Empty as Reporting Preference is inputedVAI-RULE-90remitter list id is already mapped to remittance detail and hence cannot<br>be modifiedGC-CLS-02Record Successfully ClosedGCS-AUTH-01Record Successfully AuthorizedGCS-AUTH-02Valid modifications for approval were not sent. Failed to matchGCS-CLOS-02Record Successfully ClosedGCS-CLOS-01Record Successfully ClosedGCS-CLOS-02Record Successfully ClosedGCS-CLOS-03Unauthorized modifications found for approvalGCS-CLOS-04Record Successfully ClosedGCS-CLOS-05Record Successfully ClosedGCS-CLOS-02Record Successfully ClosedGCS-CLOS-03Unauthorized record cannot be closed, it can be deleted before first<br>authorizationGCS-CLOS-03Unauthorized record cannot be closed, it can be deleted before first<br>authorizationGCS-CLOS-03Please Send Proper ModNoGCS-COM-004Please   | VAI-RULE-46  | Min Length Value must be greater than 0                                 |
| VAI-RULE-49Failed in Validating Include End Date Part for Account \$1VAI-RULE-50Invalid Currency \$1VAI-RULE-51ChkdgtIncludeTxnamt flag must be Y or NVAI-RULE-52EndDatePartOfAccno flag must be Y or NVAI-RULE-53Start Time Cannot be Greater or Equal To End Time If Start and End<br>Date is sameVAI-RULE-54Cannot Reopen as Real Customer is Closed in RemittanceVAI-RULE-55Cannot Reopen as Real Customer is Closed in Core CustomerVAI-RULE-56Time Format is InvalidVAI-RULE-57Failure Action Should Not Empty as Reporting Preference is inputedVAI-RULE-90remitter list id is already mapped to remittance detail and hence cannot<br>be modifiedGC-CLS-02Record Successfully ClosedGCS-AUTH-01Record Successfully AuthorizedGCS-AUTH-02Valid modifications for approval were not sent. Failed to matchGCS-AUTH-03Maker cannot authorizeGCS-CLS-02Record Successfully ClosedGCS-CLOS-03Record Successfully ClosedGCS-CLOS-04Record Successfully ClosedGCS-CLOS-05Record Successfully ClosedGCS-CLOS-02Record Successfully ClosedGCS-CLOS-03Unauthorized record cannot be closed, it can be deleted before first<br>authorizationGCS-COM-001Record does not existGCS-COM-002Invalid version sent; operation can be performed only on latest versionGCS-COM-003Please Send Proper ModNoGCS-COM-004Please send makerld in the requestGCS-COM-005Request is Null. Please Resend with Proper Values <td>VAI-RULE-47</td> <td>Max Length Value must be greater than 0</td>   | VAI-RULE-47  | Max Length Value must be greater than 0                                 |
| VAI-RULE-50Invalid Currency \$1VAI-RULE-51ChkdgtIncludeTxnamt flag must be Y or NVAI-RULE-52EndDatePartOfAccno flag must be Y or NVAI-RULE-53Start Time Cannot be Greater or Equal To End Time If Start and End<br>Date is sameVAI-RULE-54Cannot Reopen as Real Customer is Closed in RemittanceVAI-RULE-55Cannot Reopen as Real Customer is Closed in Core CustomerVAI-RULE-56Time Format is InvalidVAI-RULE-57Failure Action Should Not Empty as Reporting Preference is inputedVAI-RULE-90remitter list id is already mapped to remittance detail and hence cannot<br>be modifiedGC-CLS-02Record Successfully ClosedGCS-AUTH-01Record Successfully AuthorizedGCS-AUTH-02Valid modifications for approval were not sent. Failed to matchGCS-AUTH-03Maker cannot authorizeGCS-CLOS-02Record Successfully ClosedGCS-CLOS-03Unauthorized modifications found for approvalGCS-CLOS-04Record Successfully ClosedGCS-CLOS-05Record Successfully ClosedGCS-CLOS-06Record Successfully ClosedGCS-CLOS-07Record Successfully ClosedGCS-CLOS-08Unauthorized modifications found for approvalGCS-CLOS-09Record Successfully ClosedGCS-CLOS-01Record Successfully ClosedGCS-CLOS-02Record Successfully ClosedGCS-CLOS-03Unauthorized record cannot be closed, it can be deleted before first<br>authorizationGCS-COM-001Record does not existGCS-COM-002Invalid version sent; operation can be performed o   | VAI-RULE-48  | Remitter Id Start and End Range must be greater than 0                  |
| VAI-RULE-51ChkdgtlncludeTxnamt flag must be Y or NVAI-RULE-52EndDatePartOfAccno flag must be Y or NVAI-RULE-53Start Time Cannot be Greater or Equal To End Time If Start and End<br>Date is sameVAI-RULE-54Cannot Reopen as Real Customer is Closed in RemittanceVAI-RULE-55Cannot Reopen as Real Customer is Closed in Core CustomerVAI-RULE-56Time Format is InvalidVAI-RULE-57Failure Action Should Not Empty as Reporting Preference is inputedVAI-RULE-90remitter list id is already mapped to remittance detail and hence cannot<br>be modifiedGC-CLS-02Record Successfully ClosedGC-REOP-03Successfully ReopenedGCS-AUTH-01Record Successfully AuthorizedGCS-AUTH-02Valid modifications for approval were not sent. Failed to matchGCS-AUTH-03Maker cannot authorizeGCS-CLOS-02Record Successfully ClosedGCS-CLOS-01Record Successfully ClosedGCS-CLOS-02Record Successfully ClosedGCS-CLOS-03Unauthorized modifications found for approvalGCS-CLOS-04Record Already ClosedGCS-CLOS-05Record does not existGCS-COM-001Record does not existGCS-COM-003Please send Proper ModNoGCS-COM-004Please send makerld in the requestGCS-COM-005Request is Null. Please Resend with Proper Values   | VAI-RULE-49  | Failed in Validating Include End Date Part for Account \$1              |
| VAI-RULE-52EndDatePartOfAccno flag must be Y or NVAI-RULE-53Start Time Cannot be Greater or Equal To End Time If Start and End<br>Date is sameVAI-RULE-54Cannot Reopen as Real Customer is Closed in RemittanceVAI-RULE-55Cannot Reopen as Real Customer is Closed in Core CustomerVAI-RULE-56Time Format is InvalidVAI-RULE-57Failure Action Should Not Empty as Reporting Preference is inputedVAI-RULE-50remitter list id is already mapped to remittance detail and hence cannot<br>be modifiedGC-CLS-02Record Successfully ClosedGC-REOP-03Successfully ReopenedGCS-AUTH-01Record Successfully AuthorizedGCS-AUTH-02Valid modifications for approval were not sent. Failed to matchGCS-AUTH-03Maker cannot authorizeGCS-CLOS-02Record Successfully ClosedGCS-CLOS-03Unauthorized modifications found for approvalGCS-CLOS-04Record Successfully ClosedGCS-CLOS-05Record Successfully ClosedGCS-CLOS-03Unauthorized record cannot be closed, it can be deleted before first<br>authorizationGCS-CLOS-03Invaltiorized record cannot be closed, it can be deleted before first<br>authorizationGCS-COM-001Record does not existGCS-COM-002Invalid version sent; operation can be performed only on latest versionGCS-COM-003Please Send Proper ModNoGCS-COM-005Request is Null. Please Resend with Proper Values   | VAI-RULE-50  | Invalid Currency \$1  |
| VAI-RULE-53Start Time Cannot be Greater or Equal To End Time If Start and End<br>Date is sameVAI-RULE-54Cannot Reopen as Real Customer is Closed in RemittanceVAI-RULE-55Cannot Reopen as Real Customer is Closed in Core CustomerVAI-RULE-56Time Format is InvalidVAI-RULE-57Failure Action Should Not Empty as Reporting Preference is inputedVAI-RULE-90remitter list id is already mapped to remittance detail and hence cannot<br>be modifiedGC-CLS-02Record Successfully ClosedGC-REOP-03Successfully ReopenedGCS-AUTH-01Record Successfully AuthorizedGCS-AUTH-02Valid modifications for approval were not sent. Failed to matchGCS-AUTH-03Maker cannot authorizeGCS-CLOS-002Record Successfully ClosedGCS-CLOS-01Record Successfully ClosedGCS-CLOS-02Record Successfully ClosedGCS-CLOS-03Unauthorized modifications found for approvalGCS-CLOS-03Unauthorized record cannot be closed, it can be deleted before first<br>authorizationGCS-COM-001Record does not existGCS-COM-002Invalid version sent; operation can be performed only on latest versionGCS-COM-003Please Send Proper ModNoGCS-COM-004Please send makerld in the requestGCS-COM-005Request is Null. Please Resend with Proper Values   | VAI-RULE-51  | ChkdgtIncludeTxnamt flag must be Y or N                                 |
| Date is sameVAI-RULE-54Cannot Reopen as Real Customer is Closed in RemittanceVAI-RULE-55Cannot Reopen as Real Customer is Closed in Core CustomerVAI-RULE-56Time Format is InvalidVAI-RULE-57Failure Action Should Not Empty as Reporting Preference is inputedVAI-RULE-90remitter list id is already mapped to remittance detail and hence cannot<br>be modifiedGC-CLS-02Record Successfully ClosedGC-REOP-03Successfully ReopenedGCS-AUTH-01Record Successfully AuthorizedGCS-AUTH-02Valid modifications for approval were not sent. Failed to matchGCS-AUTH-03Maker cannot authorizeGCS-AUTH-04No Valid unauthorized modifications found for approvalGCS-CLOS-02Record Successfully ClosedGCS-CLOS-03Unauthorized record cannot be closed, it can be deleted before first<br>authorizationGCS-COM-001Record does not existGCS-COM-002Invalid version sent; operation can be performed only on latest versionGCS-COM-003Please Send Proper ModNoGCS-COM-004Please send makerld in the requestGCS-COM-005Request is Null. Please Resend with Proper Values  | VAI-RULE-52  | EndDatePartOfAccno flag must be Y or N                                  |
| VAI-RULE-55Cannot Reopen as Real Customer is Closed in Core CustomerVAI-RULE-56Time Format is InvalidVAI-RULE-57Failure Action Should Not Empty as Reporting Preference is inputedVAI-RULE-90remitter list id is already mapped to remittance detail and hence cannot<br>be modifiedGC-CLS-02Record Successfully ClosedGC-REOP-03Successfully ReopenedGCS-AUTH-01Record Successfully AuthorizedGCS-AUTH-02Valid modifications for approval were not sent. Failed to matchGCS-AUTH-03Maker cannot authorizeGCS-AUTH-04No Valid unauthorized modifications found for approvalGCS-CLOS-002Record Successfully ClosedGCS-CLOS-01Record Successfully ClosedGCS-CLOS-02Record Successfully ClosedGCS-CLOS-03Unauthorized record cannot be closed, it can be deleted before first<br>authorizationGCS-COM-001Record does not existGCS-COM-002Invalid version sent; operation can be performed only on latest versionGCS-COM-003Please Send Proper ModNoGCS-COM-004Please send makerId in the requestGCS-COM-005Request is Null. Please Resend with Proper Values  | VAI-RULE-53  |   |
| VAI-RULE-56Time Format is InvalidVAI-RULE-57Failure Action Should Not Empty as Reporting Preference is inputedVAI-RULE-90remitter list id is already mapped to remittance detail and hence cannot<br>be modifiedGC-CLS-02Record Successfully ClosedGC-REOP-03Successfully ReopenedGCS-AUTH-01Record Successfully AuthorizedGCS-AUTH-02Valid modifications for approval were not sent. Failed to matchGCS-AUTH-03Maker cannot authorizeGCS-AUTH-04No Valid unauthorized modifications found for approvalGCS-CLOS-002Record Successfully ClosedGCS-CLOS-01Record Already ClosedGCS-CLOS-02Record Successfully ClosedGCS-CLOS-03Unauthorized record cannot be closed, it can be deleted before first<br>authorizationGCS-COM-001Record does not existGCS-COM-002Invalid version sent; operation can be performed only on latest versionGCS-COM-003Please Send Proper ModNoGCS-COM-005Request is Null. Please Resend with Proper Values  | VAI-RULE-54  | Cannot Reopen as Real Customer is Closed in Remittance                  |
| VAI-RULE-57Failure Action Should Not Empty as Reporting Preference is inputedVAI-RULE-90remitter list id is already mapped to remittance detail and hence cannot<br>be modifiedGC-CLS-02Record Successfully ClosedGC-REOP-03Successfully ReopenedGCS-AUTH-01Record Successfully AuthorizedGCS-AUTH-02Valid modifications for approval were not sent. Failed to matchGCS-AUTH-03Maker cannot authorizeGCS-AUTH-04No Valid unauthorized modifications found for approvalGCS-CLOS-002Record Successfully ClosedGCS-CLOS-01Record Successfully ClosedGCS-CLOS-02Record Successfully ClosedGCS-CLOS-03Unauthorized record cannot be closed, it can be deleted before first<br>authorizationGCS-COM-001Record does not existGCS-COM-002Invalid version sent; operation can be performed only on latest versionGCS-COM-003Please Send Proper ModNoGCS-COM-005Request is Null. Please Resend with Proper Values  | VAI-RULE-55  |   |
| VAI-RULE-90remitter list id is already mapped to remittance detail and hence cannot<br>be modifiedGC-CLS-02Record Successfully ClosedGC-REOP-03Successfully ReopenedGCS-AUTH-01Record Successfully AuthorizedGCS-AUTH-02Valid modifications for approval were not sent. Failed to matchGCS-AUTH-03Maker cannot authorizeGCS-AUTH-04No Valid unauthorized modifications found for approvalGCS-CLOS-002Record Successfully ClosedGCS-CLOS-01Record Already ClosedGCS-CLOS-02Record Successfully ClosedGCS-CLOS-03Unauthorized record cannot be closed, it can be deleted before first<br>authorizationGCS-COM-001Record does not existGCS-COM-003Please Send Proper ModNoGCS-COM-004Please send makerld in the requestGCS-COM-005Request is Null. Please Resend with Proper Values   | VAI-RULE-56  | Time Format is Invalid  |
| be modifiedGC-CLS-02Record Successfully ClosedGC-REOP-03Successfully ReopenedGCS-AUTH-01Record Successfully AuthorizedGCS-AUTH-02Valid modifications for approval were not sent. Failed to matchGCS-AUTH-03Maker cannot authorizeGCS-AUTH-04No Valid unauthorized modifications found for approvalGCS-CLOS-002Record Successfully ClosedGCS-CLOS-01Record Successfully ClosedGCS-CLOS-02Record Successfully ClosedGCS-CLOS-03Unauthorized record cannot be closed, it can be deleted before first authorizationGCS-COM-001Record does not existGCS-COM-002Invalid version sent; operation can be performed only on latest versionGCS-COM-003Please Send Proper ModNoGCS-COM-005Request is Null. Please Resend with Proper Values   | VAI-RULE-57  | Failure Action Should Not Empty as Reporting Preference is inputed      |
| GC-REOP-03Successfully ReopenedGCS-AUTH-01Record Successfully AuthorizedGCS-AUTH-02Valid modifications for approval were not sent. Failed to matchGCS-AUTH-03Maker cannot authorizeGCS-AUTH-04No Valid unauthorized modifications found for approvalGCS-CLOS-002Record Successfully ClosedGCS-CLOS-01Record Already ClosedGCS-CLOS-02Record Successfully ClosedGCS-CLOS-03Unauthorized record cannot be closed, it can be deleted before first<br>authorizationGCS-COM-001Record does not existGCS-COM-002Invalid version sent; operation can be performed only on latest versionGCS-COM-003Please Send Proper ModNoGCS-COM-005Request is Null. Please Resend with Proper Values   | VAI-RULE-90  |   |
| GCS-AUTH-01Record Successfully AuthorizedGCS-AUTH-02Valid modifications for approval were not sent. Failed to matchGCS-AUTH-03Maker cannot authorizeGCS-AUTH-04No Valid unauthorized modifications found for approvalGCS-CLOS-002Record Successfully ClosedGCS-CLOS-01Record Already ClosedGCS-CLOS-02Record Successfully ClosedGCS-CLOS-03Unauthorized record cannot be closed, it can be deleted before first authorizationGCS-COM-001Record does not existGCS-COM-002Invalid version sent; operation can be performed only on latest versionGCS-COM-003Please Send Proper ModNoGCS-COM-004Please send makerld in the requestGCS-COM-005Request is Null. Please Resend with Proper Values  | GC-CLS-02    | Record Successfully Closed  |
| GCS-AUTH-02Valid modifications for approval were not sent. Failed to matchGCS-AUTH-03Maker cannot authorizeGCS-AUTH-04No Valid unauthorized modifications found for approvalGCS-CLOS-002Record Successfully ClosedGCS-CLOS-01Record Already ClosedGCS-CLOS-02Record Successfully ClosedGCS-CLOS-03Unauthorized record cannot be closed, it can be deleted before first<br>authorizationGCS-COM-001Record does not existGCS-COM-002Invalid version sent; operation can be performed only on latest versionGCS-COM-003Please Send Proper ModNoGCS-COM-005Request is Null. Please Resend with Proper Values   | GC-REOP-03   | Successfully Reopened   |
| GCS-AUTH-03Maker cannot authorizeGCS-AUTH-04No Valid unauthorized modifications found for approvalGCS-CLOS-002Record Successfully ClosedGCS-CLOS-01Record Already ClosedGCS-CLOS-02Record Successfully ClosedGCS-CLOS-03Unauthorized record cannot be closed, it can be deleted before first<br>authorizationGCS-COM-001Record does not existGCS-COM-002Invalid version sent; operation can be performed only on latest versionGCS-COM-003Please Send Proper ModNoGCS-COM-005Request is Null. Please Resend with Proper Values   | GCS-AUTH-01  | Record Successfully Authorized  |
| GCS-AUTH-04No Valid unauthorized modifications found for approvalGCS-CLOS-002Record Successfully ClosedGCS-CLOS-01Record Already ClosedGCS-CLOS-02Record Successfully ClosedGCS-CLOS-03Unauthorized record cannot be closed, it can be deleted before first<br>authorizationGCS-COM-001Record does not existGCS-COM-002Invalid version sent; operation can be performed only on latest versionGCS-COM-003Please Send Proper ModNoGCS-COM-005Request is Null. Please Resend with Proper Values  | GCS-AUTH-02  | Valid modifications for approval were not sent. Failed to match         |
| GCS-CLOS-002Record Successfully ClosedGCS-CLOS-01Record Already ClosedGCS-CLOS-02Record Successfully ClosedGCS-CLOS-03Unauthorized record cannot be closed, it can be deleted before first<br>authorizationGCS-COM-001Record does not existGCS-COM-002Invalid version sent; operation can be performed only on latest versionGCS-COM-003Please Send Proper ModNoGCS-COM-004Please send makerId in the requestGCS-COM-005Request is Null. Please Resend with Proper Values  | GCS-AUTH-03  | Maker cannot authorize  |
| GCS-CLOS-01Record Already ClosedGCS-CLOS-02Record Successfully ClosedGCS-CLOS-03Unauthorized record cannot be closed, it can be deleted before first<br>authorizationGCS-COM-001Record does not existGCS-COM-002Invalid version sent; operation can be performed only on latest versionGCS-COM-003Please Send Proper ModNoGCS-COM-004Please send makerId in the requestGCS-COM-005Request is Null. Please Resend with Proper Values  | GCS-AUTH-04  | No Valid unauthorized modifications found for approval                  |
| GCS-CLOS-02Record Successfully ClosedGCS-CLOS-03Unauthorized record cannot be closed, it can be deleted before first<br>authorizationGCS-COM-001Record does not existGCS-COM-002Invalid version sent; operation can be performed only on latest versionGCS-COM-003Please Send Proper ModNoGCS-COM-004Please send makerId in the requestGCS-COM-005Request is Null. Please Resend with Proper Values  | GCS-CLOS-002 | Record Successfully Closed  |
| GCS-CLOS-03Unauthorized record cannot be closed, it can be deleted before first<br>authorizationGCS-COM-001Record does not existGCS-COM-002Invalid version sent; operation can be performed only on latest versionGCS-COM-003Please Send Proper ModNoGCS-COM-004Please send makerId in the requestGCS-COM-005Request is Null. Please Resend with Proper Values   | GCS-CLOS-01  | Record Already Closed   |
| authorizationGCS-COM-001Record does not existGCS-COM-002Invalid version sent; operation can be performed only on latest versionGCS-COM-003Please Send Proper ModNoGCS-COM-004Please send makerld in the requestGCS-COM-005Request is Null. Please Resend with Proper Values  | GCS-CLOS-02  | Record Successfully Closed  |
| GCS-COM-002Invalid version sent; operation can be performed only on latest versionGCS-COM-003Please Send Proper ModNoGCS-COM-004Please send makerId in the requestGCS-COM-005Request is Null. Please Resend with Proper Values   | GCS-CLOS-03  |   |
| GCS-COM-003Please Send Proper ModNoGCS-COM-004Please send makerId in the requestGCS-COM-005Request is Null. Please Resend with Proper Values   | GCS-COM-001  | Record does not exist   |
| GCS-COM-004Please send makerId in the requestGCS-COM-005Request is Null. Please Resend with Proper Values  | GCS-COM-002  | Invalid version sent; operation can be performed only on latest version |
| GCS-COM-005 Request is Null. Please Resend with Proper Values  | GCS-COM-003  | Please Send Proper ModNo  |
| GCS-COM-005 Request is Null. Please Resend with Proper Values  | GCS-COM-004  | Please send makerId in the request                                      |
|  | GCS-COM-005  | Request is Null. Please Resend with Proper Values                       |
| GCS-COM-006 Unable to parse JSON   | GCS-COM-006  | Unable to parse JSON  |
| GCS-COM-007 Request Successfully Processed   | GCS-COM-007  | Request Successfully Processed  |
| GCS-COM-008 Modifications should be consecutive  | GCS-COM-008  | Modifications should be consecutive                                     |

Table A-1 (Cont.) List of Error Codes



| Error Code   | Description  |
|--------------|--|
| GCS-COM-009  | Resource ID cannot be blank or "null"  |
| GCS-COM-010  | Successfully cancelled \$1   |
| GCS-COM-011  | \$1 failed to update   |
| GCS-DEL-001  | Record deleted successfully  |
| GCS-DEL-002  | Record(s) deleted successfully   |
| GCS-DEL-003  | Modifications did not match valid unauthorized modifications that can be deleted for this record     |
| GCS-DEL-004  | Send all unauthorized modifications to be deleted for record that is not authorized even once        |
| GCS-DEL-005  | Only Maker of first version of record can delete modifications of record that is not once authorized |
| GCS-DEL-006  | No valid unauthorized modifications found for deleting   |
| GCS-DEL-007  | Failed to delete. Only maker of the modification(s) can delete                                       |
| GCS-MOD-001  | Closed Record cannot be modified   |
| GCS-MOD-002  | Record Successfully Modified   |
| GCS-MOD-003  | Record marked for close, cannot modify   |
| GCS-MOD-004  | Only maker of the record can modify before once auth   |
| GCS-MOD-005  | Not amendable field, cannot modify   |
| GCS-MOD-006  | Natural Key cannot be modified   |
| GCS-MOD-007  | Only the maker can modify the pending records  |
| GCS-REOP-003 | Successfully Reopened  |
| GCS-REOP-01  | Unauthorized Record cannot be Reopened   |
| GCS-REOP-02  | Failed to Reopen the Record, cannot reopen Open records  |
| GCS-REOP-03  | Successfully Reopened  |
| GCS-REOP-04  | Unauthorized record cannot be reopened, record should be closed and authorized                       |
| GCS-SAV-001  | Record already exists  |
| GCS-SAV-002  | Record Saved Successfully  |
| GCS-SAV-003  | The record is saved and validated successfully   |
| GCS-VAL-001  | The record is successfully validated   |
| VAC-FCLT-001 | Cannot remove the Association as Mapping exists for the \$1 Real<br>Account Number                   |
| VAC-FCLT-002 | Cannot Close the Facility as Virtual Account Mapping exists for the Rea<br>Account Number            |
| VAC-FCLT-003 | Cannot Map \$1 Account Number more than once   |
| VAC-FCLT-004 | Atleast One Real Account No must be Mapped to the Customer   |
| VAC-FCLT-005 | Cannot Close the Maintenance as Virtual Customer exists  |
| VAC-FCLT-006 | Cannot Close the Maintenance as Virtual Account Code exists  |
| VAC-FCLT-007 | Cannot Reopen the Facility as the Customer is Closed   |
| VAC-FCLT-008 | Cannot Reopen the Facility as the one of the Accounts is Closed                                      |
| VAC-FCLT-009 | Cannot Reopen the Facility as the one of the Branches is Closed                                      |
| VAC-FCLT-010 | Real Customer Number in Master and Detail cannot be different  |
| VAC-FCLT-011 | Cannot remove the association as Real Account is Mapped with Virtual                                 |

| Table A-1 (Cont.) List of Error Codes | Table A-1 | (Cont.) | List of | Error | Codes |
|---------------------------------------|-----------|---------|---------|-------|-------|
|---------------------------------------|-----------|---------|---------|-------|-------|



Account

| Table A-1 | (Cont.) List of Error Codes |
|-----------|-----------------------------|
|           |                             |

| Error Code   | Description   |
|--------------|---|
| VAC-FCLT-012 | Cannot Close the Customer as Active Mapping exists in Identifier<br>Service                               |
| VAC-FCLT-013 | Default Virtual Entity is Invalid   |
| VAC-FCLT-014 | Cannot remove the association as Real Account is Mapped in Idmap Service                                  |
| VAC-FCLT-015 | Cannot close the Facility as Real Account is used in IDMAP  |
| VAC-FCLT-016 | \$1 is an invalid Real Account Number   |
| VAC-FCLT-017 | \$1 is an invalid Customer Number   |
| VAC-FCLT-018 | Cannot Close the facility as existing identifier rule is active   |
| VAC-FCLT-019 | Cannot Close the facility as existing remittance Id is active   |
| VAC-FCLT-020 | Cannot Close the facility as existing virtual entity is active  |
| VAC-FCLT-021 | Currency is not valid for the given real account - \$1  |
| VAC-FCLT-022 | Currency is not applicable for multi-currency account \$1   |
| VAC-FCLT-023 | Active account group with the real account number that is being removed exists. Modification not allowed. |
| VAC-FCLT-024 | Active account group for this customer exists. Close not allowed  |
| VAC-FCLT-027 | Source System \$1 should be maintained in External DDA Service  |
| VAC-FCLT-030 | Please enter mandatory entity details needed for the Default Virtual Entity                               |
| VAC-FCLT-031 | Virtual entity id should be same for facility and entity  |
| VAC-FCLT-032 | Default Virtual Entity cannot be removed  |
| VAC-FCLT-033 | Default Virtual Entity can be created only at the time of facility creation                               |
| VAC-FCLT-034 | Default Virtual Entity cannot be changed once facility created  |
| VAC-FCLT-035 | Entity cannot be modified from facility side after once auth  |
| VAC-FCLT-040 | Account class cannot be null  |
| VAC-FCLT-041 | Account class \$1 is not valid for Real account \$2 and Branch \$3  |
| VAC-FCLT-042 | Sanction check Exempted flag cannot be ON when sanction check required flag in bank parameter is OFF      |
| VAC-FCLT-043 | Account Product \$1 cannot be mapped to Customer number Twice   |
| VAC-GRP-001  | Cannot close the Group as Active Group exist in Identifier Mapping  |
| VAC-GRP-002  | Cannot close the Group as Active Group exist in Virtual Account<br>Structure                              |
| VAC-GRP-003  | Cannot reopen Real Customer number is Invalid   |
| VAC-GRP-004  | Cannot reopen Real Customer number is Invalid in Core   |
| VAC-GRP-005  | Cannot reopen as Ccy \$1 is invalid   |
| VAC-GRP-006  | Real Customer No in all the detail blocks must be same as the Master block                                |
| VAC-GRP-007  | Modify failed as currency present in Account Group is mapped in Account Structure                         |
| VAC-GRP-025  | Cannot map two accounts with the same currency  |
| VAC-GRP-026  | More than one Account cannot selected as Default  |
| VAC-GRP-027  | Account Group Id in all the detail blocks must be same as the Master block                                |
| VAC-GRP-028  | Real Account \$1, branch \$2 and currency \$3 Mapping is Invalid for customer \$4                         |



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|---------------|--|
| Error Code    | Description  |
| VAC-GRP-029   | Account \$1 is Invalid in Core   |
| VAC-GRP-030   | Ccy \$1 is invalid   |
| VAC-GRP-031   | Please Map atleast one Account-currency pair   |
| VAC-GRP-032   | Rolled Back Due to Exception   |
| VAC-GRP-033   | Virtual Multi-ccy Account not found for the Customer   |
| VAE-CIF-01    | Entity cannot be created, as customer is closed  |
| VAE-CIF-02    | Size of Virtual Customer No and virtual customer mask maintained at virtual bank parameters do not match         |
| VAE-CIF-03    | Inputed Virtual Entity is not matched with Mask  |
| VAE-CIF-04    | Virtual Entity Id is not the same for Individual type customer   |
| VAE-CIF-05    | Virtual Entity Id is not the same for Corporate type customer  |
| VAE-CIF-06    | Virtual Entity Bank Parameters is not maintained   |
| VAE-CIF-07    | Provide Individual details   |
| VAE-CIF-08    | Cannot close the record as active virtual account found  |
| VAE-CIF-09    | \$1 is invalid   |
| VAE-CIF-10    | Entity cannot be created, as facility is closed  |
| VAE-CIF-11    | Entity cannot be modified, as customer is closed   |
| VAE-CIF-12    | Entity cannot be modified, as Facility is closed   |
| VAE-CIF-13    | Entity cannot be reopened, as customer is closed   |
| VAE-CIF-14    | Entity cannot be reopened, as facility is closed   |
| VAE-CIF-15    | \$1 Cannot be modified   |
| VAE-CIF-16    | Mobile Number and Mobile Number ISD Should be Entered, as<br>Preferred Mode is Mobile                            |
| VAE-CIF-17    | Email Id Should be Entered, as Preferred Mode is Email   |
| VAE-CIF-18    | Provide Corporate Details  |
| VAE-CIF-19    | PreferredMode should be either E or M  |
| VAE-CIF-20    | Default virtual entity record can be modified only after its corresponding account facility record is authorized |
| VAE-CIF-21    | The default virtual entity can be authorized only using the Account<br>Facility screen                           |
| VAE-CIF-22    | Cannot delete the default virtual entity record as it is linked to an account facility                           |
| VAE-CIF-23    | Record doesn't exist   |
| VAE-CIF-24    | \$1 Length cannot be more than 35  |
| VAE-CLS-001   | Cannot close entity which has accounts in open state   |
| VAE-COM-001   | txnControllerRefNo should not be null or empty   |
| VAE-ENT-FOR01 | Cannot reopen forgotten entity   |
| VAE-ENT-PII01 | User doesnt have access to PII data, cannot perform create or modify operations                                  |
| VAE-FOR-001   | Request is null, not valid   |
| VAE-FOR-002   | Forget entities request created successfully   |
| VAE-FOR-003   | Failed to create forget entities request   |
| VAE-FOR-004   | Invalid id sent, cannot delete   |
| VAE-FOR-005   | Record is already authorized   |
| l             |  |

Table A-1 (Cont.) List of Error Codes



| Error Code  | Description   |
|-------------|---|
| VAE-FOR-006 | Authorized successfully   |
| VAE-FOR-007 | Record not found, invalid id.   |
| VAE-FOR-008 | Cannot delete authorized record   |
| VAE-FOR-009 | Record successfully deleted   |
| VAE-FOR-010 | Invalid Entity \$1 added. Entity should be valid and in closed and authorized state and without pending maintenance             |
| VAE-FOR-011 | Invalid request. Duplicate requests for entity number \$1   |
| VAE-STR-032 | Mandatory fields are missing for structured address. Town Name, Post Code, and Country are mandatory to proceed                 |
| VAE-STR-033 | Structured address is disabled at bank level  |
| VAE-STR-034 | Mandatory fields are missing in Address. Please enter Registered address1, Country, and correspondence Address1                 |
| VAE-STR-035 | Structured address is missing   |
| VAM-ACC-101 | \$1 account is already linked to another structure  |
| VAM-ACC-102 | \$1 child has been mapped to multiple parents   |
| VAM-ACC-103 | \$1 doesnt have a parent  |
| VAM-ACC-104 | \$1 has been mapped to itself   |
| VAM-ACC-105 | \$1 account is not mapped to the structure properly   |
| VAM-ACC-106 | Virtual Main Account should not have a parent   |
| VAM-ACC-107 | \$1 Account has a parent account which has balance check not required checked   |
| VAM-ACC-108 | Duplicate Rows are not allowed in multigrid   |
| VAM-ACC-109 | \$1 account has non zero balance hence mapping cannot be closed   |
| VAM-ACC-110 | \$1 account has non zero balance hence cant be removed from the mapping   |
| VAM-ACC-120 | Account \$1 is closed. Reopen not allowed   |
| VAM-ACC-121 | Virtual parent and child account cannot be null in detail block   |
| VAM-ACC-122 | Virtual account number \$1 is not allowed as no Real account number of currency \$2 is found in Account group                   |
| VAM-ACC-123 | Failed in updating the Parent Account in Account Balance Table  |
| VAM-ACC-125 | Account linkage for \$1 is not S, this account cannot be part af a structure  |
| VAM-ACC-126 | Value for Real Account Linkage cannot be modified because the current account is part of an active structure                    |
| VAM-ACC-127 | Virtual Account \$1 with balance check not required cannot be parent account to virtual account \$2 with Balance check required |
| VAM-ACC-128 | IBAN Account no already generated, modify not allowed   |
| VAM-ACC-129 | Overdraft fixed amount cannot be less than utilized amount \$1  |
| VAM-ACC-130 | Virtual Account doesn't exist   |
| VAM-ACC-131 | Atleast one Virtual parent - Virtual Child account mapping is mandatory   |
| VAM-ACC-132 | Balance Fetch Failed for Virtual Account \$1 and Real Customer \$2  |
| VAM-ACC-133 | OD Start Date cannot be lesser than application Date  |
| VAM-ACC-134 | Error while parsing OD Start Date   |
| VAM-ACC-135 | OD End Date cannot be lesser than OD start Date   |
| VAM-ACC-136 | Error while parsing OD End Date   |
| VAM-ACC-137 | Dont Pass OD Start and End Dates when OverDraft allowed flag is N   |

| Table A-1 | (Cont.) List of Error Codes |
|-----------|-----------------------------|
| Table A-1 | (Cont.) List of Error Codes |



| Table A-1 | (Cont.) List of Error Codes |
|-----------|-----------------------------|
|           |                             |

| Error Code     | Description  |
|----------------|--|
| VAM-ACC-138    | Corporate Range has not been defined in Branch for respective customer   |
| VAM-ACC-139    | Account number cannot be generated as all the range/s exhausted and No Active Range/s available                          |
| VAM-ACC-140    | Given Account number is out of defined range/s for Customer/Corporate in respective Branch                               |
| VAM-ACC-141    | Account number cannot be generated as no Active Range/s available in Branch for respective customer                      |
| VAM-ACC-142    | Virtual Account \$1 not allowed as closure request is initiated for the same   |
| VAM-ACC-143    | The length of Zip code must not exceed 15 characters   |
| VAM-ACC-144    | Cannot modify Balance. Check for debits flag to Y as the Parent Account flag is N  |
| VAM-ACC-145    | Cannot modify Balance. Check for debits flag to N as the child Account flag is Y   |
| VAM-ACC-AUTH01 | Event request logged for handing off account details to \$ system  |
| VAM-ACC-FOR01  | Cannot reopen forgotten virtual account  |
| VAM-ACCK-001   | \$1 account is in unauthorized state   |
| VAM-ACCK-002   | \$1 account is not in open status  |
| VAM-ACCK-003   | \$1 account is frozen  |
| VAM-ACCK-011   | Invalid Virtual Account \$1  |
| VAM-ACCK-012   | KYC Status is \$1 for Virtual Entity \$2   |
| VAM-ACN-002    | Length of Branch Code is greater than Branch Code of Account Mask  |
| VAM-ACN-003    | Length of Currency is greater than Currency of Account Mask  |
| VAM-ACN-004    | Real Account currency and default account currency are not same  |
| VAM-ACN-008    | Check digit generation failed for \$1  |
| VAM-ACN-015    | Account cannot be closed: Either current balance/Unauthorized debit/<br>credit amount is not 0 or some amount is blocked |
| VAM-ACN-016    | Account cannot be closed: Account is currently mapped to another account   |
| VAM-ACN-018    | Virtual Account Number Generation Failed: Account \$1 Already Exists   |
| VAM-ACN-020    | Virtual customer no is closed. Virtual Account cannot be reopened  |
| VAM-ACN-021    | Branch code is closed. Virtual Account cannot be reopened  |
| VAM-ACN-022    | Currency is closed. Virtual Account cannot be reopened   |
| VAM-ACN-023    | Branch \$1 is not allowed for Customer \$2; Virtual Account cannot be reopened   |
| VAM-ACN-026    | \$1 flag should be enabled first at Account Product Level  |
| VAM-ACN-027    | Fixed Amount is Mandatory when Overdraft Allowed is Y  |
| VAM-ACN-028    | Fixed amount from pool is Mandatory when Balance Availability Options is selected as Own Bal+Fixed Amt from Pool(B)      |
| VAM-ACN-029    | Real Account Number and Real Account Branch is mandatory when<br>Real Account Linkage is Account Level                   |
| VAM-ACN-020    | When balAvailabilityOptions is not B then fixed amount from pool should not be given                                     |
| VAM-ACN-031    | Currency is not applicable for multi-currency real account \$1   |

| Table A-1 | (Cont.) List of Error Codes |
|-----------|-----------------------------|
|           |                             |

| Error Code  | Description  |
|-------------|--|
| VAM-ACN-032 | Account cannot be closed: Either Unauthorized debit/credit amount is not 0 or some amount is blocked   |
| VAM-ACN-033 | Structure Code and VirtualParentAcc are applicable for linkage at Structure level                      |
| VAM-ACN-034 | Structure Code or Virtual Parent Account is missing  |
| VAM-ACN-035 | Structure Linkage cannot be done for different RealAccountNos  |
| VAM-ACN-120 | The manually input Virtual Account number is not as per the mask                                       |
| VAM-ACN-121 | Real Account Number/Branch/Currency is not required when Real<br>Account Linkage is Structure level    |
| VAM-ACN-122 | Virtual Account Number is mandatory when autogen flag is N   |
| VAM-ACN-125 | Default Virtual Entity is not available  |
| VAM-ACN-201 | Account number cannot be generated as the limit exhausted.   |
| VAM-ACN-301 | PII access not enabled for user, cannot perform create   |
| VAM-ACN-302 | PII access not enabled for user, cannot perform modify   |
| VAM-BAL-001 | Failed to save Account Balance   |
| VAM-BAL-002 | Successfully validated and updated balance   |
| VAM-BAL-003 | Insufficient funds for \$1 account   |
| VAM-BAL-004 | Insufficient funds for \$1   |
| VAM-BAL-005 | Sufficient funds available for \$1   |
| VAM-BAL-006 | Successfully inserted data into Value Dated table for \$1  |
| VAM-BAL-007 | Successfully updated data into Value Dated table for \$1   |
| VAM-BAL-008 | Successfully inserted data into Account Transaction table for \$1                                      |
| VAM-BAL-009 | Failed to build URL to call Turn over balance  |
| VAM-BAL-010 | No records sent to post turn over balance  |
| VAM-BAL-011 | No response has come after call to turn over balance   |
| VAM-BAL-012 | Successfully updated turn over balance   |
| VAM-BAL-013 | Failed to insert turn over balance for virtual account \$1   |
| VAM-BAL-014 | Successfully retrieved   |
| VAM-BAL-015 | Failed while fetching the records for the given combination, please check the logs for further details |
| VAM-BAL-016 | It is mandatory to pass either the virtual account number or the value date to fetch records           |
| VAM-BAL-017 | Virtual Account number, from date and to date, all three are mandatory fields                          |
| VAM-BAL-018 | From date cannot be greater than to date   |
| VAM-BAL-020 | Failed to acquire balances of participating account(s)   |
| VAM-BAL-021 | Virtual Account \$1 and currency \$2 combination is Invalid  |
| VAM-BAL-022 | Failed to acquire account details of participating account(s)  |
| VAM-BAL-023 | Failed to merge Account Balance details for Tanked Batch   |
| VAM-BAL-024 | Successfully merged account details for Untanking batch  |
| VAM-BAL-025 | Failed to retrieve current balance   |
| VAM-CLS-001 | Inserted entry into Virtual Account Closure Request Status Successfully                                |
| VAM-CLS-002 | Updated Virtual Account Closure Request Status Successfully  |
| VAM-CLS-003 | Virtual account closure request initiated successfully   |

| Table A-1 | (Cont.) List of Error Codes |
|-----------|-----------------------------|
|           |                             |

| Error Code  | Description  |
|-------------|--|
| VAM-CLS-004 | Failed when pushing into Virtual Account Closure Request Status queue  |
| VAM-CLS-005 | Retry request for Virtual Account Closure submitted successfully   |
| VAM-CLS-006 | Virtual account closure aborted successfully   |
| VAM-CLS-007 | Cannot abort virtual account closure as it is already aborted  |
| VAM-CLS-008 | Cannot retry virtual account closure that is already aborted   |
| VAM-CLS-009 | Virtual account closure request already exists for the given source system and source reference number                         |
| VAM-CLS-010 | Atleast one virtual account closure request is mandatory   |
| VAM-CLS-011 | Transfer out virtual account is mandatory when outstanding balance is greater than zero  |
| VAM-CLS-012 | Transfer in virtual account is mandatory when outstanding balance is less than zero  |
| VAM-CLS-013 | Virtual account and transfer in/out virtual account must be in same currency   |
| VAM-CLS-014 | Virtual account and transfer in virtual account must be in same currency   |
| VAM-CLS-015 | Virtual account and transfer in/out virtual account should belong to same Real account   |
| VAM-CLS-016 | Transfer out virtual account \$1 is not valid as account closure request is initiated for the same                             |
| VAM-CLS-017 | Closure request already initiated for virtual account \$1  |
| VAM-CLS-018 | Transfer in virtual account \$1 is not valid as account closure request is initiated for the same                              |
| VAM-CLS-019 | Multiple account closure requests found for virtual account \$1  |
| VAM-CLS-020 | Virtual account \$1 for which closure is requested cannot be given as<br>Transfer In Account                                   |
| VAM-CLS-021 | Virtual account \$1 for which closure is requested cannot be given as<br>Transfer Out Account                                  |
| VAM-CLS-022 | Closure request for virtual account \$1 is not allowed as it has non zero outstanding balance                                  |
| VAM-CLS-023 | Transfer virtual account \$1 is not linked to any real account   |
| VAM-CLS-025 | Closure request for virtual account \$1 not allowed as it is maintained as transfer account in another account closure request |
| VAM-CLS-026 | Virtual account closure request authorization failed   |
| VAM-CLS-027 | Virtual account closure request authorized successfully  |
| VAM-CLS-028 | Virtual account closure request deleted successfully   |
| VAM-CLS-029 | Deletion of virtual account closure request failed   |
| VAM-CLS-030 | Maker and Checker cannot be same   |
| VAM-CLS-031 | Virtual account closure request saved successfully   |
| VAM-CLS-032 | Only Maker can delete the record   |
| VAM-CLS-033 | Authorized record cannot be deleted  |
| VAM-CLS-034 | Virtual account closure request is already authorized  |
| VAM-CLS-037 | Failed to abort conductor workflow   |
| VAM-CLS-038 | Failed to start conductor workflow   |
| VAM-CLS-039 | Cannot retry virtual account closure request that is in-progress   |
| VAM-CLS-040 | Cannot retry Account closure in Pending state  |
| VAM-CLS-042 | Virtual Account Closure saved and authorized successfully  |



| Table A-1 | (Cont.) List of Error Codes |
|-----------|-----------------------------|
|           |                             |

| Error Code         Description           VAM-CLS-043         Closure Request already exists for the Virtual Account \$1           VAM-CLS-044         Failed while generating Request Failed           VAM-CLS-045         Virtual Account Closure Request Failed           VAM-CLS-046         No Closure request found to Delete           VAM-CLS-048         Virtual Account Number \$1 is part of an Unauthorised Account Structure           VAM-CLS-048         Virtual Account Number \$1 is part of an Unauthorised Account Number           VAM-EXT-001         External system could not generate the BAN Number           VAM-EXT-003         External Generation Trual Account Number Validation Failed:<br>Account \$1 Already Exists           VAM-EXT-004         Externally Generation Trual Account number validation Failed:<br>Account \$1 Already Exists           VAM-EXT-005         Externally generated IBAN number validation Failed:<br>Account \$1 Already Exists           VAM-EXT-006         IBAN Account already exists for this account           VAM-IBAN-007         IBAN Generation Failed -Virtual Account number is not available           VAM-IBAN-008         IBAN Generation Failed -Value for Bank Code does not match<br>corresponding Mask           VAM-IBAN-018         IBAN Generation Failed -Value for Branch Code does not match<br>corresponding Mask           VAM-IBAN-020         IBAN Generation Failed -Value for Count Number does not match<br>corresponding Mask           VAM-IBAN   |              |   |
|---|--------------|---|
| VAM-CLS-044         Failed while generating RequestRefNo           VAM-CLS-045         Virtual Account Closure Request Failed           VAM-CLS-046         No Closure request found to Delete           VAM-CLS-047         No Closure request found to Authorize           VAM-CLS-048         Virtual Account Number \$1 is part of an Unauthorised Account Structure           VAM-EXT-001         External system could not generate the Virtual Account Number           VAM-EXT-003         External generation Virtual Account Number Validation Failed:<br>Account \$1 Already Exists           VAM-EXT-004         Externally Generation Virtual Account Number Validation Failed:<br>Account \$1 Already Exists           VAM-EXT-005         Externally generated IBAN number validation Failed: IBAN number \$1<br>Already Exists           VAM-EXT-006         IBAN Account already exists for this account           VAM-IBAN-007         IBAN Generation Failed -Virtual account number is not available           VAM-IBAN-008         IBAN Generation Failed -Value for Bank Code does not match<br>corresponding Mask           VAM-IBAN-018         IBAN Generation Failed -Value for Branch Code could not be fetched           VAM-IBAN-020         IBAN Generation Failed -Value for Branch Code could not be fetched           VAM-IBAN-021         IBAN Generation Failed -Value for Customer Type does not match<br>corresponding Mask           VAM-IBAN-026         IBAN Generation Failed -Value for Customer Type could not be fetched  | Error Code   | Description   |
| VAM-CLS-045         Virtual Account Closure Request Failed           VAM-CLS-046         No Closure request found to Delete           VAM-CLS-048         Virtual Account Number \$1 is part of an Unauthorised Account Structure           VAM-EXT-001         External system could not generate the Virtual Account Number           VAM-EXT-002         External system could not generate the Virtual Account Number           VAM-EXT-003         External system could not generate the BAN Number           VAM-EXT-004         Externally Generation Virtual Account Number Validation Failed: Account \$1 Already Exists           VAM-EXT-005         Externally generated VA number length cannot exceed 35 characters           VAM-EXT-006         Externally generated IBAN length cannot exceed 35 characters           VAM-BAN-006         IBAN Account already exists for this account           VAM-BAN-006         IBAN Generation Failed -Virtual account number is not available           VAM-IBAN-007         IBAN Generation Failed -Value for Branch Code does not match corresponding Mask           VAM-IBAN-018         IBAN Generation Failed -Value for Branch Code does not match corresponding Mask           VAM-IBAN-020         IBAN Generation Failed -Value for Account Number could not be fetched           VAM-IBAN-023         IBAN Generation Failed -Value for Code does not match corresponding Mask           VAM-IBAN-023         IBAN Generation Failed -Value for Customer Type could not be fetch   |              |   |
| VAM-CLS-046         No Closure request found to Authorize           VAM-CLS-047         No Closure request found to Authorize           VAM-CLS-048         Virtual Account Number \$1 is part of an Unauthorised Account Structure           VAM-EXT-001         External system could not generate the Virtual Account Number           VAM-EXT-002         External system could not generate the IBAN Number           VAM-EXT-003         Externally Generation Virtual Account Number Validation Failed:<br>Account \$1 Already Exists           VAM-EXT-004         Externally Generation IBAN number validation Failed: IBAN number \$1<br>Already Exists           VAM-EXT-005         Externally generated VA number length cannot exceed 35 characters           VAM-EXT-006         Externally generated IBAN length cannot exceed 35 characters           VAM-IBAN-006         IBAN Account already exists for this account           VAM-BAN-007         IBAN Generation Failed -Virtual account number is not available           VAM-IBAN-008         IBAN Generation Failed -Value for Bank Code does not match corresponding Mask           VAM-IBAN-018         IBAN Generation Failed -Value for Branch Code does not match corresponding Mask           VAM-IBAN-020         IBAN Generation Failed -Value for Branch Code does not match corresponding Mask           VAM-IBAN-023         IBAN Generation Failed -Value for Customer Type does not match corresponding Mask           VAM-IBAN-026         IBAN Generation Failed -  |              |   |
| VAM-CLS-047         No Closure request found to Authorize           VAM-CLS-048         Virtual Account Number \$1 is part of an Unauthorised Account Structure           VAM-EXT-001         External system could not generate the Virtual Account Number           VAM-EXT-002         External system could not generate the IBAN Number           VAM-EXT-003         Externally Generation Virtual Account Number Validation Failed:<br>Account \$1 Already Exists           VAM-EXT-004         Externally Generated IBAN number validation Failed: IBAN number \$1<br>Already Exists           VAM-EXT-005         Externally generated IBAN number length cannot exceed 35 characters           VAM-BAN-006         IBAN Account already exists for this account           VAM-IBAN-006         IBAN Account already exists for this account           VAM-IBAN-007         IBAN Generation Failed -Value for Bank Code does not match<br>corresponding Mask           VAM-IBAN-008         IBAN Generation Failed -Value for Branch Code does not match<br>corresponding Mask           VAM-IBAN-018         IBAN Generation Failed -Value for Branch Code could not be fetched           VAM-IBAN-021         IBAN Generation Failed -Value for Account Number could not be fetched           VAM-IBAN-021         IBAN Generation Failed -Virtual Account Number could not be fetched           VAM-IBAN-025         IBAN Generation Failed -Value for Customer Type could not be fetched           VAM-IBAN-026         IBAN Generation Failed -Val  | VAM-CLS-045  | Virtual Account Closure Request Failed                                  |
| VAM-CLS-048         Virtual Account Number \$1 is part of an Unauthorised Account Structure           VAM-EXT-001         External system could not generate the Virtual Account Number           VAM-EXT-002         Externally generate or the IBAN Number           VAM-EXT-003         Externally Generation Virtual Account Number Validation Failed:<br>Account \$1 Already Exists           VAM-EXT-004         Externally Generation IBAN number validation Failed: IBAN number \$1<br>Already Exists           VAM-EXT-005         Externally generated VA number length cannot exceed 35 characters           VAM-EXT-006         Externally generated IBAN length cannot exceed 35 characters           VAM-BAN-006         IBAN Account already exists for this account           VAM-IBAN-007         IBAN Generation Failed -Virtual account number is not available           VAM-IBAN-008         IBAN Generation Failed -Value for Bank Code does not match<br>corresponding Mask           VAM-IBAN-016         IBAN Generation Failed -Value for Branch Code does not match<br>corresponding Mask           VAM-IBAN-020         IBAN Generation Failed -Value for Account Number could not be fetched           VAM-IBAN-021         IBAN Generation Failed -Virtual Account Number does not match<br>corresponding Mask           VAM-IBAN-025         IBAN Generation Failed -Virtual Account Number does not match<br>corresponding Mask           VAM-IBAN-026         IBAN Generation Failed -Virtual Account Number fore tould not be fetched           <                         | VAM-CLS-046  | No Closure request found to Delete                                      |
| VAM-EXT-001         External system could not generate the Virtual Account Number           VAM-EXT-002         External system could not generate the IBAN Number           VAM-EXT-003         Externally Generation Virtual Account Number Validation Failed:<br>Account S1 Already Exists           VAM-EXT-004         Externally Generation IBAN number validation Failed: IBAN number \$1<br>Already Exists           VAM-EXT-005         Externally generated IBAN length cannot exceed 35 characters           VAM-EXT-006         Externally generated IBAN length cannot exceed 35 characters           VAM-IBAN-006         IBAN Account already exists for this account           VAM-IBAN-006         IBAN Generation Failed -Virtual account number is not available           VAM-IBAN-007         IBAN Generation Failed -Value for Bank Code does not match<br>corresponding Mask           VAM-IBAN-018         IBAN Generation Failed -Value for Bank Code does not match<br>corresponding Mask           VAM-IBAN-019         IBAN Generation Failed -Value for Branch Code could not be fetched           VAM-IBAN-020         IBAN Generation Failed -Value for Account Number could not be fetched           VAM-IBAN-021         IBAN Generation Failed -Value for Count Number could not be fetched           VAM-IBAN-023         IBAN Generation Failed -Value for Customer Type does not match<br>corresponding Mask           VAM-IBAN-026         IBAN Generation Failed -Value for Customer Type could not be fetched           VAM-IBAN-0                                  | VAM-CLS-047  | No Closure request found to Authorize                                   |
| VAM-EXT-002         External system could not generate the IBAN Number           VAM-EXT-003         Externally Generation Virtual Account Number Validation Failed:<br>Account \$1 Already Exists           VAM-EXT-004         Externally Generation IBAN number validation Failed: IBAN number \$1<br>Already Exists           VAM-EXT-005         Externally generated VA number length cannot exceed 35 characters           VAM-EXT-006         Externally generated IBAN length cannot exceed 35 characters           VAM-BAN-007         IBAN Generation Failed - Virtual account number is not available           VAM-IBAN-008         IBAN Generation Failed - Value for Bank Code does not match<br>corresponding Mask           VAM-IBAN-016         IBAN Generation Failed - Value for Branch Code does not match<br>corresponding Mask           VAM-IBAN-019         IBAN Generation Failed - Value for Branch Code does not match<br>corresponding Mask           VAM-IBAN-020         IBAN Generation Failed - Value for Branch Code could not be fetched           VAM-IBAN-021         IBAN Generation Failed - Value for Account Number could not be fetched           VAM-IBAN-025         IBAN Generation Failed - Value for Customer Type does not match<br>corresponding Mask           VAM-IBAN-026         IBAN Generation Failed - Value for Customer Type could not be fetched           VAM-IBAN-026         IBAN Generation Failed - Value for Customer Type does not match<br>corresponding Mask           VAM-IBAN-029         IBAN Generation Failed - Value for Customer | VAM-CLS-048  | Virtual Account Number \$1 is part of an Unauthorised Account Structure |
| VAM-EXT-003         Externally Generation Virtual Account Number Validation Failed:<br>Account \$1 Already Exists           VAM-EXT-004         Externally Generation IBAN number validation Failed: IBAN number \$1<br>Already Exists           VAM-EXT-005         Externally generated VA number length cannot exceed 35 characters           VAM-EXT-006         Externally generated IBAN length cannot exceed 35 characters           VAM-IBAN-006         IBAN Account already exists for this account           VAM-IBAN-006         IBAN Generation Failed -Virtual account number is not available           VAM-IBAN-007         IBAN Generation Failed -Value for Bank Code does not match corresponding Mask           VAM-IBAN-016         IBAN Generation Failed -Value for Branch Code does not match corresponding Mask           VAM-IBAN-018         IBAN Generation Failed -Value for Branch Code does not match corresponding Mask           VAM-IBAN-020         IBAN Generation Failed -Value for Branch Code could not be fetched           VAM-IBAN-021         IBAN Generation Failed -Value for Account Number could not be fetched           VAM-IBAN-023         IBAN Generation Failed -Virtual Customer Type does not match corresponding Mask           VAM-IBAN-026         IBAN Generation Failed -Virtual Customer Type could not be fetched           VAM-IBAN-027         IBAN Generation Failed -Virtual Customer Type could not be fetched           VAM-IBAN-028         IBAN Generation Failed -Value for Customer Type could not be fetched                       | VAM-EXT-001  | External system could not generate the Virtual Account Number           |
| Account \$1 Already ExistsVAM-EXT-004Externally Generation IBAN number validation Failed: IBAN number \$1<br>Already ExistsVAM-EXT-005Externally generated VA number length cannot exceed 35 charactersVAM-EXT-006Externally generated IBAN length cannot exceed 35 charactersVAM-IBAN-006IBAN Account already exists for this accountVAM-IBAN-007IBAN Generation Failed -Virtual account number is not availableVAM-IBAN-008IBAN Generation Failed -Value for Bank Code does not match<br>corresponding MaskVAM-IBAN-016IBAN Generation Failed -Value for Branch Code does not match<br>corresponding MaskVAM-IBAN-019IBAN Generation Failed -Value for Branch Code does not match<br>corresponding MaskVAM-IBAN-020IBAN Generation Failed -Value for Branch Code could not be fetchedVAM-IBAN-021IBAN Generation Failed -Value for Branch Code could not be fetchedVAM-IBAN-023IBAN Generation Failed -Value for Account Number could not be fetchedVAM-IBAN-023IBAN Generation Failed -Virtual Account Number does not match<br>corresponding MaskVAM-IBAN-026IBAN Generation Failed -Virtual Customer Type does not match<br>corresponding MaskVAM-IBAN-027IBAN Generation Failed -Value for Customer Type could not be fetchedVAM-IBAN-028IBAN Generation Failed Value for Customer Type could not be fetchedVAM-IBAN-029IBAN Generation Failed Value for Customer Type could not be fetchedVAM-IBAN-026IBAN Generation Failed Value for Customer Type could not be fetchedVAM-IBAN-030Mismatch in the length of bban data type and bban format maskVAM-MAP-031Real                                    | VAM-EXT-002  | External system could not generate the IBAN Number                      |
| Already ExistsVAM-EXT-005Externally generated VA number length cannot exceed 35 charactersVAM-EXT-006Externally generated IBAN length cannot exceed 35 charactersVAM-IBAN-006IBAN Account already exists for this accountVAM-IBAN-007IBAN Generation Failed -Virtual account number is not availableVAM-IBAN-008IBAN Generation Failed -Value for Bank Code does not match<br>corresponding MaskVAM-IBAN-016IBAN Generation Failed -Value for Branch Code does not match<br>corresponding MaskVAM-IBAN-019IBAN Generation Failed -Value for Branch Code does not match<br>corresponding MaskVAM-IBAN-020IBAN Generation Failed -Value for Branch Code could not be fetchedVAM-IBAN-021IBAN Generation Failed -Value for Account Number could not be fetchedVAM-IBAN-023IBAN Generation Failed -Value for Account Number could not be fetchedVAM-IBAN-023IBAN Generation Failed -Virtual Account Number does not match<br>corresponding MaskVAM-IBAN-025IBAN Generation Failed -Virtual Customer Type does not match<br>corresponding MaskVAM-IBAN-026IBAN Generation Failed -Value for Customer Type could not be fetchedVAM-IBAN-029IBAN Generation FailedVAM-IBAN-029IBAN Generation FailedVAM-IBAN-029IBAN Generation FailedVAM-IBAN-029IBAN Generation FailedVAM-IBAN-029IBAN Generation FailedVAM-MAP-01Real account number is mandatory when Account linkage is AVAM-MAP-01Real account number is not required when Account linkage is GVAM-MAP-03Real account Structure not found for given header account<  | VAM-EXT-003  |   |
| VAM-EXT-006Externally generated IBAN length cannot exceed 35 charactersVAM-IBAN-006IBAN Account already exists for this accountVAM-IBAN-007IBAN Generation Failed -Virtual account number is not availableVAM-IBAN-008IBAN Generation Failed -IBAN format validation failedVAM-IBAN-016IBAN Generation Failed -Value for Bank Code does not match<br>corresponding MaskVAM-IBAN-018IBAN Generation Failed -Value for Bank Code does not match<br>corresponding MaskVAM-IBAN-019IBAN Generation Failed -Value for Branch Code does not match<br>corresponding MaskVAM-IBAN-020IBAN Generation Failed -Value for Branch Code could not be fetchedVAM-IBAN-021IBAN Generation Failed -Value for Account Number could not be fetchedVAM-IBAN-023IBAN Generation Failed -Value for Account Number does not match<br>corresponding MaskVAM-IBAN-023IBAN Generation Failed -Virtual Account Number does not match<br>corresponding MaskVAM-IBAN-025IBAN Generation Failed -Value for Customer Type does not match<br>corresponding MaskVAM-IBAN-026IBAN Generation Failed -Value for Customer Type could not be fetchedVAM-IBAN-027IBAN Generation Failed -Value for Customer Type could not be fetchedVAM-MAP-03Mismatch in the length of bban data type and bban format maskVAM-MAP-01Real account number is mandatory when Account linkage is AVAM-MAP-03Real account number is not required when Account linkage is GVAM-MAP-03Account group id is not required when Account linkage is GVAM-MAP-04Account group id is mandatory when Account linkage is GVAM-MAP-05<  | VAM-EXT-004  |   |
| VAM-IBAN-006IBAN Account already exists for this accountVAM-IBAN-007IBAN Generation Failed -Virtual account number is not availableVAM-IBAN-008IBAN Generation Failed -Value for Bank Code does not match<br>corresponding MaskVAM-IBAN-016IBAN Generation Failed -Value for Bank Code does not match<br>corresponding MaskVAM-IBAN-019IBAN Generation Failed -Value for Branch Code does not match<br>corresponding MaskVAM-IBAN-019IBAN Generation Failed -Value for Branch Code does not match<br>corresponding MaskVAM-IBAN-020IBAN Generation Failed -Value for Branch Code could not be fetchedVAM-IBAN-021IBAN Generation Failed -Value for Account Number could not be fetchedVAM-IBAN-023IBAN Generation Failed -Virtual Account Number does not match<br>corresponding MaskVAM-IBAN-025IBAN Generation Failed -Virtual Customer Type does not match<br>corresponding MaskVAM-IBAN-026IBAN Generation Failed -Virtual Customer Type could not be fetchedVAM-IBAN-026IBAN Generation FailedVAM-IBAN-029IBAN Generation FailedVAM-IBAN-020Mismatch in the length of bban data type and bban format maskVAM-MAP-01Please input all mandatory valuesVAM-MAP-02Account group id is not required when Account linkage is AVAM-MAP-03Real account Structure not found for given header accountVAM-MAP-03Account Structure is not applicable on Closed StructuresVAM-MAP-04Account group id is mandatory when Account linkage is GVAM-MAP-05Linking and De-Linking of the same Virtual Account cannot be in the<br>same requestVAM-MAP-07<   | VAM-EXT-005  | Externally generated VA number length cannot exceed 35 characters       |
| VAM-IBAN-007IBAN Generation Failed -Virtual account number is not availableVAM-IBAN-008IBAN Generation Failed -IBAN format validation failedVAM-IBAN-016IBAN Generation Failed -Value for Bank Code does not match<br>corresponding MaskVAM-IBAN-018IBAN Generation failed -BBAN Mask Value could not be fetchedVAM-IBAN-019IBAN Generation Failed -Value for Branch Code does not match<br>corresponding MaskVAM-IBAN-020IBAN Generation Failed -Value for Branch Code could not be fetchedVAM-IBAN-021IBAN Generation Failed -Value for Account Number could not be fetchedVAM-IBAN-023IBAN Generation Failed -Value for Account Number could not be fetchedVAM-IBAN-023IBAN Generation Failed -Virtual Account Number does not match<br>corresponding MaskVAM-IBAN-025IBAN Generation Failed -Virtual Customer Type does not match<br>corresponding MaskVAM-IBAN-026IBAN Generation Failed -Value for Customer Type could not be fetchedVAM-IBAN-029IBAN Generation FailedVAM-IBAN-029IBAN Generation FailedVAM-IBAN-030Mismatch in the length of bban data type and bban format maskVAM-MAP-01Real account number is mandatory when Account linkage is AVAM-MAP-03Real account number is not required when Account linkage is AVAM-MAP-03Account Structure not found for given header accountVAM-MAP-04Account Structure is not applicable on Closed StructuresVAM-MAP-05Linking and De-Linking of the same Virtual Account cannot be in the<br>same requestVAM-MAP-06Virtual Account Number \$1 is not the leaf account, as there are<br>account/s connect   | VAM-EXT-006  | Externally generated IBAN length cannot exceed 35 characters            |
| VAM-IBAN-008IBAN Generation Failed -IBAN format validation failedVAM-IBAN-016IBAN Generation Failed -Value for Bank Code does not match<br>corresponding MaskVAM-IBAN-018IBAN Generation Failed -BBAN Mask Value could not be fetchedVAM-IBAN-019IBAN Generation Failed -Value for Branch Code does not match<br>corresponding MaskVAM-IBAN-020IBAN Generation Failed -Value for Branch Code could not be fetchedVAM-IBAN-021IBAN Generation Failed -Value for Account Number could not be fetchedVAM-IBAN-023IBAN Generation Failed -Virtual Account Number does not match<br>corresponding MaskVAM-IBAN-023IBAN Generation Failed -Virtual Account Number does not match<br>corresponding MaskVAM-IBAN-025IBAN Generation Failed -Virtual Customer Type does not match<br>corresponding MaskVAM-IBAN-026IBAN Generation Failed -Value for Customer Type could not be fetchedVAM-IBAN-029IBAN Generation Failed -Value for Customer Type could not be fetchedVAM-IBAN-020Mismatch in the length of bban data type and bban format maskVAM-MAP-01Real account number is mandatory when Account linkage is AVAM-MAP-01Real account number is not required when Account linkage is GVAM-MAP-03Account Structure is not applicable on Closed StructuresVAM-MAP-04Account group id is mandatory when Account linkage is GVAM-MAP-05Linking and De-Linking of the same Virtual Account cannot be in the<br>same requestVAM-MAP-06Virtual Account Number \$1 cannot be de-linked, as it is not a part of<br>given structureVAM-MAP-07Virtual Account Number \$1 is not the leaf account, as ther                  | VAM-IBAN-006 | IBAN Account already exists for this account                            |
| VAM-IBAN-016IBAN Generation Failed -Value for Bank Code does not match<br>corresponding MaskVAM-IBAN-018IBAN Generation failed -BBAN Mask Value could not be fetchedVAM-IBAN-019IBAN Generation Failed -Value for Branch Code does not match<br>corresponding MaskVAM-IBAN-020IBAN Generation Failed -Value for Branch Code could not be fetchedVAM-IBAN-021IBAN Generation Failed -Value for Account Number could not be fetchedVAM-IBAN-023IBAN Generation Failed -Virtual Account Number does not match<br>corresponding MaskVAM-IBAN-025IBAN Generation Failed -Virtual Customer Type does not match<br>corresponding MaskVAM-IBAN-026IBAN Generation Failed -Value for Customer Type does not match<br>corresponding MaskVAM-IBAN-026IBAN Generation Failed -Value for Customer Type could not be fetchedVAM-IBAN-029IBAN Generation Failed -Value for Customer Type could not be fetchedVAM-IBAN-029IBAN Generation FailedVAM-IBAN-029IBAN Generation FailedVAM-IBAN-030Mismatch in the length of bban data type and bban format maskVAM-MAP-01Real account number is mandatory when Account linkage is AVAM-MAP-03Real account number is not required when Account linkage is GVAM-MAP-03Account Structure not found for given header accountVAM-MAP-04Account group id is mandatory when Account linkage is GVAM-MAP-05Linking and De-Linking of the same Virtual Account cannot be in the<br>same requestVAM-MAP-06Virtual Account Number \$1 cannot be de-linked, as it is not a part of<br>given structureVAM-MAP-07Virtual Account Number \$1 is no   | VAM-IBAN-007 | IBAN Generation Failed -Virtual account number is not available         |
| corresponding MaskVAM-IBAN-018IBAN Generation failed -BBAN Mask Value could not be fetchedVAM-IBAN-019IBAN Generation Failed -Value for Branch Code does not match<br>corresponding MaskVAM-IBAN-020IBAN Generation Failed -Value for Branch Code could not be fetchedVAM-IBAN-021IBAN Generation Failed -Value for Account Number could not be fetchedVAM-IBAN-023IBAN Generation Failed -Virtual Account Number does not match<br>corresponding MaskVAM-IBAN-025IBAN Generation Failed -Virtual Customer Type does not match<br>corresponding MaskVAM-IBAN-026IBAN Generation Failed -Value for Customer Type does not match<br>corresponding MaskVAM-IBAN-026IBAN Generation Failed -Value for Customer Type could not be fetchedVAM-IBAN-029IBAN Generation FailedVAM-IBAN-029IBAN Generation FailedVAM-BAN-030Mismatch in the length of bban data type and bban format maskVAM-MAP-01Real account number is mandatory valuesVAM-MAP-02Account group id is not required when Account linkage is AVAM-MAP-03Real account number is not required when Account linkage is GVAM-MAP-04Account Structure not found for given header accountVAM-MAP-05Linking and De-Linking of the same Virtual Account cannot be in the<br>same requestVAM-MAP-06Virtual Account Number \$1 is not the leaf account, as there are<br>account/s connected to this as a child   | VAM-IBAN-008 | IBAN Generation Failed -IBAN format validation failed                   |
| VAM-IBAN-019IBAN Generation Failed -Value for Branch Code does not match<br>corresponding MaskVAM-IBAN-020IBAN Generation Failed -Value for Branch Code could not be fetchedVAM-IBAN-021IBAN Generation Failed -Value for Account Number could not be fetchedVAM-IBAN-023IBAN Generation Failed -Virtual Account Number does not match<br>corresponding MaskVAM-IBAN-025IBAN Generation Failed -Virtual Customer Type does not match<br>corresponding MaskVAM-IBAN-026IBAN Generation Failed -Value for Customer Type could not be fetchedVAM-IBAN-026IBAN Generation Failed -Value for Customer Type could not be fetchedVAM-IBAN-029IBAN Generation FailedVAM-IBAN-029IBAN Generation FailedVAM-BAN-030Mismatch in the length of bban data type and bban format maskVAM-MAP-01Real account number is mandatory valuesVAM-MAP-02Account group id is not required when Account linkage is AVAM-MAP-03Real account number is not required when Account linkage is GVAM-MAP-03Download Account Structure is not applicable on Closed StructuresVAM-MAP-04Account group id is mandatory when Account linkage is GVAM-MAP-05Linking and De-Linking of the same Virtual Account cannot be in the<br>same requestVAM-MAP-06Virtual Account Number \$1 cannot be de-linked, as it is not a part of<br>given structureVAM-MAP-07Virtual Account Number \$1 is not the leaf account, as there are<br>account/s connected to this as a child  | VAM-IBAN-016 |   |
| corresponding MaskVAM-IBAN-020IBAN Generation Failed -Value for Branch Code could not be fetchedVAM-IBAN-021IBAN Generation Failed -Value for Account Number could not be fetchedVAM-IBAN-023IBAN Generation Failed -Virtual Account Number does not match<br>corresponding MaskVAM-IBAN-025IBAN Generation Failed -Virtual Customer Type does not match<br>corresponding MaskVAM-IBAN-026IBAN Generation Failed -Value for Customer Type could not be fetchedVAM-IBAN-026IBAN Generation Failed -Value for Customer Type could not be fetchedVAM-IBAN-029IBAN Generation FailedVAM-IBAN-029IBAN Generation FailedVAM-IBAN-030Mismatch in the length of bban data type and bban format maskVAM-MAP-01Please input all mandatory valuesVAM-MAP-01Real account number is mandatory when Account linkage is AVAM-MAP-03Real account number is not required when Account linkage is GVAM-MAP-03Account Structure not found for given header accountVAM-MAP-04Account group id is mandatory when Account linkage is GVAM-MAP-05Linking and De-Linking of the same Virtual Account cannot be in the<br>same requestVAM-MAP-06Virtual Account Number \$1 cannot be de-linked, as it is not a part of<br>given structureVAM-MAP-07Virtual Account Number \$1 is not the leaf account, as there are<br>account/s connected to this as a child  | VAM-IBAN-018 | IBAN Generation failed -BBAN Mask Value could not be fetched            |
| VAM-IBAN-021IBAN Generation Failed -Value for Account Number could not be fetchedVAM-IBAN-023IBAN Generation Failed -Virtual Account Number does not match<br>corresponding MaskVAM-IBAN-025IBAN Generation Failed -Virtual Customer Type does not match<br>corresponding MaskVAM-IBAN-026IBAN Generation Failed -Value for Customer Type could not be fetchedVAM-IBAN-029IBAN Generation Failed -Value for Customer Type could not be fetchedVAM-IBAN-029IBAN Generation FailedVAM-IBAN-030Mismatch in the length of bban data type and bban format maskVAM-MAD-001Please input all mandatory valuesVAM-MAP-01Real account number is mandatory when Account linkage is AVAM-MAP-02Account group id is not required when Account linkage is GVAM-MAP-03Real account number is not required when Account linkage is GVAM-MAP-04Account Structure not found for given header accountVAM-MAP-05Linking and De-Linking of the same Virtual Account cannot be in the<br>same requestVAM-MAP-06Virtual Account Number \$1 cannot be de-linked, as it is not a part of<br>given structureVAM-MAP-07Virtual Account Number \$1 is not the leaf account, as there are<br>account/s connected to this as a child  | VAM-IBAN-019 |   |
| VAM-IBAN-023IBAN Generation Failed - Virtual Account Number does not match<br>corresponding MaskVAM-IBAN-025IBAN Generation Failed - Virtual Customer Type does not match<br>corresponding MaskVAM-IBAN-026IBAN Generation Failed - Value for Customer Type could not be fetchedVAM-IBAN-029IBAN Generation Failed - Value for Customer Type could not be fetchedVAM-IBAN-029IBAN Generation FailedVAM-IBAN-030Mismatch in the length of bban data type and bban format maskVAM-MAD-001Please input all mandatory valuesVAM-MAP-01Real account number is mandatory when Account linkage is AVAM-MAP-02Account group id is not required when Account linkage is GVAM-MAP-03Real account number is not required when Account linkage is GVAM-MAP-035Download Account Structure is not applicable on Closed StructuresVAM-MAP-04Account group id is mandatory when Account linkage is GVAM-MAP-05Linking and De-Linking of the same Virtual Account cannot be in the<br>same requestVAM-MAP-06Virtual Account Number \$1 cannot be de-linked, as it is not a part of<br>given structureVAM-MAP-07Virtual Account Number \$1 is not the leaf account, as there are<br>account/s connected to this as a child  | VAM-IBAN-020 | IBAN Generation Failed -Value for Branch Code could not be fetched      |
| corresponding MaskVAM-IBAN-025IBAN Generation Failed -Virtual Customer Type does not match<br>corresponding MaskVAM-IBAN-026IBAN Generation Failed -Value for Customer Type could not be fetchedVAM-IBAN-029IBAN Generation FailedVAM-IBAN-030Mismatch in the length of bban data type and bban format maskVAM-MAND-001Please input all mandatory valuesVAM-MAP-01Real account number is mandatory when Account linkage is AVAM-MAP-02Account group id is not required when Account linkage is GVAM-MAP-03Real account number is not required when Account linkage is GVAM-MAP-035Download Account Structure is not applicable on Closed StructuresVAM-MAP-04Account group id is mandatory when Account linkage is GVAM-MAP-05Linking and De-Linking of the same Virtual Account cannot be in the<br>same requestVAM-MAP-06Virtual Account Number \$1 cannot be de-linked, as it is not a part of<br>given structureVAM-MAP-07Virtual Account Number \$1 is not the leaf account, as there are<br>account/s connected to this as a child  | VAM-IBAN-021 | IBAN Generation Failed -Value for Account Number could not be fetched   |
| corresponding MaskVAM-IBAN-026IBAN Generation Failed -Value for Customer Type could not be fetchedVAM-IBAN-029IBAN Generation FailedVAM-IBAN-030Mismatch in the length of bban data type and bban format maskVAM-MAND-001Please input all mandatory valuesVAM-MAP-01Real account number is mandatory when Account linkage is AVAM-MAP-02Account group id is not required when Account linkage is GVAM-MAP-03Real account number is not required when Account linkage is GVAM-MAP-03Account Structure not found for given header accountVAM-MAP-035Download Account Structure is not applicable on Closed StructuresVAM-MAP-04Account group id is mandatory when Account linkage is GVAM-MAP-05Linking and De-Linking of the same Virtual Account cannot be in the same requestVAM-MAP-06Virtual Account Number \$1 cannot be de-linked, as it is not a part of given structureVAM-MAP-07Virtual Account Number \$1 is not the leaf account, as there are account/s connected to this as a child   | VAM-IBAN-023 |   |
| VAM-IBAN-026IBAN Generation Failed -Value for Customer Type could not be fetchedVAM-IBAN-029IBAN Generation FailedVAM-IBAN-030Mismatch in the length of bban data type and bban format maskVAM-MAND-001Please input all mandatory valuesVAM-MAP-01Real account number is mandatory when Account linkage is AVAM-MAP-02Account group id is not required when Account linkage is GVAM-MAP-03Real account number is not required when Account linkage is GVAM-MAP-03Account Structure not found for given header accountVAM-MAP-035Download Account Structure is not applicable on Closed StructuresVAM-MAP-04Account group id is mandatory when Account linkage is GVAM-MAP-05Linking and De-Linking of the same Virtual Account cannot be in the<br>same requestVAM-MAP-06Virtual Account Number \$1 is not the leaf account, as there are<br>account/s connected to this as a child   | VAM-IBAN-025 |   |
| VAM-IBAN-030Mismatch in the length of bban data type and bban format maskVAM-IBAN-030Please input all mandatory valuesVAM-MAD-001Please input all mandatory valuesVAM-MAP-01Real account number is mandatory when Account linkage is AVAM-MAP-02Account group id is not required when Account linkage is GVAM-MAP-03Real account number is not required when Account linkage is GVAM-MAP-033Account Structure not found for given header accountVAM-MAP-035Download Account Structure is not applicable on Closed StructuresVAM-MAP-04Account group id is mandatory when Account linkage is GVAM-MAP-05Linking and De-Linking of the same Virtual Account cannot be in the same requestVAM-MAP-06Virtual Account Number \$1 cannot be de-linked, as it is not a part of given structureVAM-MAP-07Virtual Account Number \$1 is not the leaf account, as there are account/s connected to this as a child  | VAM-IBAN-026 |   |
| VAM-MAND-001Please input all mandatory valuesVAM-MAP-01Real account number is mandatory when Account linkage is AVAM-MAP-02Account group id is not required when Account linkage is AVAM-MAP-03Real account number is not required when Account linkage is GVAM-MAP-03Account Structure not found for given header accountVAM-MAP-035Download Account Structure is not applicable on Closed StructuresVAM-MAP-04Account group id is mandatory when Account linkage is GVAM-MAP-05Linking and De-Linking of the same Virtual Account cannot be in the<br>same requestVAM-MAP-06Virtual Account Number \$1 cannot be de-linked, as it is not a part of<br>given structureVAM-MAP-07Virtual Account Number \$1 is not the leaf account, as there are<br>account/s connected to this as a child   | VAM-IBAN-029 | IBAN Generation Failed  |
| VAM-MAP-01Real account number is mandatory when Account linkage is AVAM-MAP-02Account group id is not required when Account linkage is AVAM-MAP-03Real account number is not required when Account linkage is GVAM-MAP-03Account Structure not found for given header accountVAM-MAP-035Download Account Structure is not applicable on Closed StructuresVAM-MAP-04Account group id is mandatory when Account linkage is GVAM-MAP-05Linking and De-Linking of the same Virtual Account cannot be in the same requestVAM-MAP-06Virtual Account Number \$1 cannot be de-linked, as it is not a part of given structureVAM-MAP-07Virtual Account Number \$1 is not the leaf account, as there are account/s connected to this as a child   | VAM-IBAN-030 | Mismatch in the length of bban data type and bban format mask           |
| VAM-MAP-02Account group id is not required when Account linkage is AVAM-MAP-03Real account number is not required when Account linkage is GVAM-MAP-033Account Structure not found for given header accountVAM-MAP-035Download Account Structure is not applicable on Closed StructuresVAM-MAP-04Account group id is mandatory when Account linkage is GVAM-MAP-05Linking and De-Linking of the same Virtual Account cannot be in the<br>same requestVAM-MAP-06Virtual Account Number \$1 cannot be de-linked, as it is not a part of<br>given structureVAM-MAP-07Virtual Account Number \$1 is not the leaf account, as there are<br>account/s connected to this as a child   | VAM-MAND-001 | Please input all mandatory values                                       |
| VAM-MAP-03Real account number is not required when Account linkage is GVAM-MAP-033Account Structure not found for given header accountVAM-MAP-035Download Account Structure is not applicable on Closed StructuresVAM-MAP-04Account group id is mandatory when Account linkage is GVAM-MAP-05Linking and De-Linking of the same Virtual Account cannot be in the<br>same requestVAM-MAP-06Virtual Account Number \$1 cannot be de-linked, as it is not a part of<br>given structureVAM-MAP-07Virtual Account Number \$1 is not the leaf account, as there are<br>account/s connected to this as a child   | VAM-MAP-01   | Real account number is mandatory when Account linkage is A              |
| VAM-MAP-033Account Structure not found for given header accountVAM-MAP-035Download Account Structure is not applicable on Closed StructuresVAM-MAP-04Account group id is mandatory when Account linkage is GVAM-MAP-05Linking and De-Linking of the same Virtual Account cannot be in the<br>same requestVAM-MAP-06Virtual Account Number \$1 cannot be de-linked, as it is not a part of<br>given structureVAM-MAP-07Virtual Account Number \$1 is not the leaf account, as there are<br>account/s connected to this as a child  | VAM-MAP-02   | Account group id is not required when Account linkage is A              |
| VAM-MAP-035Download Account Structure is not applicable on Closed StructuresVAM-MAP-04Account group id is mandatory when Account linkage is GVAM-MAP-05Linking and De-Linking of the same Virtual Account cannot be in the<br>same requestVAM-MAP-06Virtual Account Number \$1 cannot be de-linked, as it is not a part of<br>given structureVAM-MAP-07Virtual Account Number \$1 is not the leaf account, as there are<br>account/s connected to this as a child   | VAM-MAP-03   | Real account number is not required when Account linkage is G           |
| VAM-MAP-04Account group id is mandatory when Account linkage is GVAM-MAP-05Linking and De-Linking of the same Virtual Account cannot be in the<br>same requestVAM-MAP-06Virtual Account Number \$1 cannot be de-linked, as it is not a part of<br>given structureVAM-MAP-07Virtual Account Number \$1 is not the leaf account, as there are<br>account/s connected to this as a child   | VAM-MAP-033  | Account Structure not found for given header account                    |
| VAM-MAP-05Linking and De-Linking of the same Virtual Account cannot be in the<br>same requestVAM-MAP-06Virtual Account Number \$1 cannot be de-linked, as it is not a part of<br>given structureVAM-MAP-07Virtual Account Number \$1 is not the leaf account, as there are<br>account/s connected to this as a child  | VAM-MAP-035  | Download Account Structure is not applicable on Closed Structures       |
| same request         VAM-MAP-06       Virtual Account Number \$1 cannot be de-linked, as it is not a part of given structure         VAM-MAP-07       Virtual Account Number \$1 is not the leaf account, as there are account/s connected to this as a child   | VAM-MAP-04   | Account group id is mandatory when Account linkage is G                 |
| given structure         VAM-MAP-07         Virtual Account Number \$1 is not the leaf account, as there are account/s connected to this as a child  | VAM-MAP-05   |   |
| VAM-MAP-07 Virtual Account Number \$1 is not the leaf account, as there are account/s connected to this as a child  | VAM-MAP-06   | Virtual Account Number \$1 cannot be de-linked, as it is not a part of  |
| VAM-MOD-001 \$1 cannot be modified  | VAM-MAP-07   | Virtual Account Number \$1 is not the leaf account, as there are        |
|   | VAM-MOD-001  | \$1 cannot be modified  |



| Table A-1 | (Cont.) List of Error Codes |
|-----------|-----------------------------|
|-----------|-----------------------------|

| Error Code     | Description   |
|----------------|---|
| VAM-MOD-INV    | \$1 is invalid  |
| VAM-SANC-001   | Cannot update sanction status, account is closed  |
| VAM-SANC-002   | Can not update sanction status, no account with given virtual account number exists                             |
| VAM-SANC-003   | Record Successfully Saved   |
| VAM-SANC-004   | Maker and checker cannot be same  |
| VAM-SANC-005   | No Entry for this virtual account, cannot authorize   |
| VAM-SANC-006   | Record Successfully authorized  |
| VAM-SANC-007   | Authorized record cannot be deleted   |
| VAM-SANC-008   | Record Successfully Deleted   |
| VAM-SANC-009   | Transaction not allowed for virtual account/s with posting restrictions for specific status                     |
| VAM-STR-032    | Mandatory fields are missing for structured address. Town Name, Post Code, and Country are mandatory to proceed |
| VAM-STR-033    | Structured address is disabled at bank level  |
| VAM-STR-035    | Structured address is missing   |
| VAM-STR-AUTH01 | Event request logged for handing off account map details to \$ system   |
| VAM-STR-AUTH02 | Failed to process handing off account map details to \$ system  |
| VAM-STR-AUTH03 | Failed to process authorization of account map  |
| VAM-RNG-000    | Account Range provided has already been defined for another Real Customer in the same Branch                    |
| VAM-RNG-001    | Record cannot be closed as there are active Accounts for the Real Customer and Branch combination               |
| VAM-RNG-002    | At least one Account Number Range must be maintained  |
| VAM-RNG-003    | Account Range provided doesn't lie within the Account Number Range provided at Branch level                     |
| VAM-RNG-004    | Account Range cannot be modified  |
| VAM-RNG-005    | Account Range cannot be deleted   |
| VAM-RNG-006    | Duplicate entry of \$1 Account Range exists in the record   |
| EIE-INT-001    | Interest is not enabled for this Virtual Account  |
| EIE-INT-002    | Interest retrieved successfully   |
| EIE-INT-003    | Unable to fetch accrued interest  |
| EIE-INT-004    | Unable to fetch Virtual Account details   |
| EIE-LIQ-002    | Virtual account Interest Liquidation request initiated successfully   |
| EIE-LIQ-003    | Maker and Checker cannot be same  |
| EIE-LIQ-004    | Record already authorized   |
| EIE-LIQ-005    | Virtual account interest Liquidation request authorized successfully  |
| EIE-LIQ-006    | Authorization of Interest Liquidation Failed  |
| EIE-LIQ-007    | Failed while liquidating interest in IC   |
| EIE-LIQ-008    | Interest Liquidation Record Deleted successfully  |
| EIE-LIQ-009    | Failed when liquidating the interest  |
| EIE-LIQ-010    | Interest Liquidation not allowed for this Virtual account   |
| EIE-LIQ-011    | Virtual account is not Valid  |
| EIE-LIQ-012    | Virtual account Interest Liquidated successfully  |



| Table A-1 | (Cont.) List of Error Codes |
|-----------|-----------------------------|
|           |                             |

| Free Code    | Description   |
|--------------|---|
| Error Code   | Description   |
| VAM-LAL-001  | Successfully created entry in account line utilization  |
| VAM-LAL-002  | Line id -customer configuration does not exists   |
| VAM-LAL-003  | Virtual Account-Real customer combination does not exists   |
| VAM-LAL-004  | An Account can be linked to only one Line   |
| VAM-LAL-006  | The virtual account selected for line linkage should be either a header account of a Structure or directly linked to Real Account |
| VAM-LAL-009  | For linkage as Percent, the linkage value should be within 1 to 100   |
| VAM-LAL-012  | Balance Availability of virtual account is not Own Balance and hence cannot be linked to a Line                                   |
| VAM-LAL-014  | Credit Line Account Linkage cannot be closed: utilization is greater than zero  |
| VAM-LAL-020  | Linkage entry doesn't exist   |
| VAM-LINE-04  | Successfully utilized Line  |
| VAM-LINE-06  | Internal credit is linked to a VA. Cannot Close the Record  |
| VAM-LINE-07  | Real Customer No is Invalid   |
| VAM-LINE-08  | Currency is Invalid   |
| GC-CLS-02    | Record Successfully Closed  |
| GC-REOP-03   | Successfully Reopened   |
| GCS-AUTH-01  | Record Successfully Authorized  |
| GCS-AUTH-02  | Valid modifications for approval were not sent. Failed to match   |
| GCS-AUTH-03  | Maker cannot authorize  |
| GCS-AUTH-04  | No Valid unauthorized modifications found for approval  |
| GCS-CLOS-002 | Record Successfully Closed  |
| GCS-CLOS-01  | Record Already Closed   |
| GCS-CLOS-02  | Record Successfully Closed  |
| GCS-CLOS-03  | Unauthorized record cannot be closed, it can be deleted before first authorization  |
| GCS-COM-001  | Record does not exist   |
| GCS-COM-002  | Invalid version sent; operation can be performed only on latest version   |
| GCS-COM-003  | Please Send Proper ModNo  |
| GCS-COM-004  | Please send makerId in the request  |
| GCS-COM-005  | Request is Null. Please Resend with Proper Values   |
| GCS-COM-006  | Unable to parse JSON  |
| GCS-COM-007  | Request Successfully Processed  |
| GCS-COM-008  | Modifications should be consecutive   |
| GCS-COM-009  | Resource ID cannot be blank or "null"   |
| GCS-COM-010  | Successfully cancelled \$1  |
| GCS-COM-011  | \$1 failed to update  |
| GCS-DEL-001  | Record deleted successfully   |
| GCS-DEL-002  | Record(s) deleted successfully  |
| GCS-DEL-003  | Modifications did not match valid unauthorized modifications that can be deleted for this record                                  |
| GCS-DEL-004  | Send all unauthorized modifications to be deleted for record that is not authorized even once                                     |



| Table A-1 | (Cont.) List of Error Codes |
|-----------|-----------------------------|
|           |                             |

| Error Code   | Description  |
|--------------|--|
| GCS-DEL-005  | Only Maker of first version of record can delete modifications of record that is not once authorized |
| GCS-DEL-006  | No valid unauthorized modifications found for deleting   |
| GCS-DEL-007  | Failed to delete. Only maker of the modification(s) can delete                                       |
| GCS-MOD-001  | Closed Record cannot be modified   |
| GCS-MOD-002  | Record Successfully Modified   |
| GCS-MOD-003  | Record marked for close, cannot modify   |
| GCS-MOD-004  | Only maker of the record can modify before once auth   |
| GCS-MOD-005  | Not amendable field, cannot modify   |
| GCS-MOD-006  | Natural Key cannot be modified   |
| GCS-MOD-007  | Only the maker can modify the pending records  |
| GCS-REOP-003 | Successfully Reopened  |
| GCS-REOP-01  | Unauthorized Record cannot be Reopened   |
| GCS-REOP-02  | Failed to Reopen the Record, cannot reopen Open records  |
| GCS-REOP-03  | Successfully Reopened  |
| GCS-REOP-04  | Unauthorized record cannot be reopened, record should be closed and authorized                       |
| GCS-SAV-001  | Record already exists  |
| GCS-SAV-002  | Record Saved Successfully  |
| GCS-SAV-003  | The record is saved and validated successfully   |
| GCS-VAL-001  | The record is successfully validated   |
| VAC-BGP-001  | Cannot close the Branch Group as it is linked to a Customer  |
| VAC-BGP-002  | Cannot close the Branch Group as there are active Branches linked                                    |
| VAC-BGP-003  | Failed to validate Branch linkage to this Branch Group   |
| VAC-BNK-001  | Only one bank can be maintained  |
| VAC-BNK-002  | Structured Address cannot be deactivated once activated  |
| VAC-BNK-003  | Bank Code is not valid   |
| VAC-BNK-004  | Transaction allowed related parameters cannot be ON when Sanction check required is OFF              |
| VAC-COM-001  | Transaction controller reference number is mandatory   |
| VAE-BNK-01   | Bank code is invalid   |
| VAE-BNK-111  | Only one bank code is allowed  |
| VAM-BNK-001  | Only one bank code is allowed  |
| VAM-BNK-002  | Invalid Virtual Customer No Mask. It can have only a and n as identifiers                            |
| VAM-BNK-003  | There are accounts created on bank parameters. Cannot modify the start account number                |
| VAM-BNK-004  | End Account No cannot be less or equal to the last virtual account number created for this branch    |
| VAM-BNK-005  | For Auto account generation, Account Mask should be numeric, and Checksum Algorithm has to be blank  |
| VAM-BNK-006  | On selecting Modulo 97 Checksum algorithms, All components of the account mask have to be numeric    |
| VAM-BNK-007  | Start or End account number is not required when auto account generation flag is disabled            |
| VAM-BNK-008  | Bank Code is not valid   |

| Table A-1 | (Cont.) List of Error Codes |
|-----------|-----------------------------|
|           |                             |

| Error Code  | Description   |
|-------------|---|
| VAM-BNK-009 | Residual Transfer Transaction Code should be maintained if Positive or<br>Negative balance transfer is enabled                              |
| VAM-BNK-010 | Offset Transaction Code should be maintained if Positive or Negative Balance Transfer is enabled  |
| VAM-BNK-011 | Transfer Out Transaction Code should be maintained if Positive Balance<br>Transfer is enabled   |
| VAM-BNK-012 | Residual Transfer Transaction Code or Offset Transaction code should not be maintained if Positive or Negative balance transfer is disabled |
| VAM-BNK-60  | Last Account Number generated should be between start and end account Number, Give Proper Start and End Account Number                      |
| VAM-BRN-01  | Start Account Number and End Account Number should be entered   |
| VAM-BRN-02  | Start or End account number cannot be negative or zero  |
| VAM-BRN-03  | The Auto Generation of Account Number is possible only with a Numeric Account mask  |
| VAM-BRN-04  | Length of Start Account No and End Account No cannot be greater than account mask   |
| VAM-BRN-05  | Start Account Number should be less than End Account Number   |
| VAM-BRN-06  | Checksum Algorithm should not be given when Auto Generate flag is checked   |
| VAM-BRN-07  | Each character in the mask needs to be consecutively placed   |
| VAM-BRN-08  | If Account Auto Generate flag is not checked and account mask is not numeric then Checksum Algorithm cannot be blank                        |
| VAM-BRN-09  | Invalid character D, only d is allowed for customer account mask  |
| VAM-BRN-10  | For Modulo 10 length of mask cannot be different from 10  |
| VAM-BRN-11  | The length of the virtual account mask cannot be more than 13 for checksum algorithm modulo 11 with weights                                 |
| VAM-BRN-12  | Either no. checksum digits exceed 2 or they do not appear at the end of the account mask  |
| VAM-BRN-13  | Cannot have d denoting Alphanumeric Characters in account mask while using mod97 Checksum algorithm   |
| VAM-BRN-14  | The format for Customer Account mask is invalid   |
| VAM-BRN-15  | The length of b in mask should be 3   |
| VAM-BRN-16  | The length of c in mask exceeds permissible length of 9   |
| VAM-BRN-17  | The length of \$ in mask should be 3  |
| VAM-BRN-18  | The length of t in mask exceeds permissible length of 4   |
| VAM-BRN-19  | The length of v in mask exceeds permissible length of 12  |
| VAM-BRN-20  | The length of CIF in Virtual Account Mask and the length of the CIF mask do not match   |
| VAM-BRN-21  | Virtual Account mask should be maintained either at bank or branch level  |
| VAM-BRN-22  | User Defined Algorithm can only be entered if Check digit Algorithm is User Defined   |
| VAM-BRN-23  | User Defined Algorithm cannot be null if Check digit Algorithm is User Defined  |
| VAM-BRN-24  | BBAN Format Mask is mandatory if BBAN Data Type is present  |

| Table A-1 | (Cont.) List of Error Codes |
|-----------|-----------------------------|
|           |                             |

| Error Code | Description  |
|------------|--|
| VAM-BRN-25 | IBAN Country Code can have maximum of only two characters to generate IBAN, If you want to generate IBAN choose a country with only two characters as Country Code                                     |
| VAM-BRN-26 | BBAN Data Type is mandatory if BBAN Format Mask is present   |
| VAM-BRN-27 | BBAN Data Type length and BBAN Mask Length must be the same  |
| VAM-BRN-28 | BBAN Mask characters b-Bank Code s-Branch Code z-Account Number<br>I-Alternate Account Number d-BBAN Check Digit t-Account Type i-<br>National Identifier and h-No of Account Holders only are allowed |
| VAM-BRN-29 | Bank Code is part of BBAN Mask and the same is not maintained  |
| VAM-BRN-30 | Alphabet h can occur only once in BBAN Format Mask   |
| VAM-BRN-31 | Account mask maintained in BBAN format Mask is not the same as the Account Mask maintained for the branch  |
| VAM-BRN-32 | Space is not allowed in BBAN Mask  |
| VAM-BRN-33 | BBAN Data Type can only have characters a, n, and c  |
| VAM-BRN-34 | Branch Code is part of BBAN Mask and the same is not maintained  |
| VAM-BRN-35 | Branch Code needs to be maintained with the length and data type maintained as in BBAN Data Type field   |
| VAM-BRN-36 | Bank Code needs to be maintained with the length and data type maintained as in BBAN Data Type field   |
| VAM-BRN-37 | In Identifier Mask field, only a,n and f are allowed   |
| VAM-BRN-38 | Fixed Value field cannot be blank if virtual account mask contains f   |
| VAM-BRN-39 | Only numbers and alphabets are allowed for fixed value   |
| VAM-BRN-40 | Fixed value field must be input when f is present in identifier mask   |
| VAM-BRN-41 | Identifier Start position should be given when Identifier Mask is maintained   |
| VAM-BRN-42 | Identifier Start position can have value only from 1 to 15   |
| VAM-BRN-43 | Identifier Fixed value cannot be input when Short Identifier Mask is not maintained  |
| VAM-BRN-44 | Identifier start position cannot be given when Short Identifier Mask is not maintained   |
| VAM-BRN-45 | Identifier start position cannot be given when Short Identifier Mask doesn't not contain f   |
| VAM-BRN-46 | Fixed value should not be given if account mask is not maintained or account mask doesn't contain f  |
| VAM-BRN-47 | The length of f in mask exceeds permissible length of 1  |
| VAM-BRN-48 | Last digit of account mask must be 'd' when account mask is alphanumeric and checksum algorithm is mod11   |
| VAM-BRN-49 | Maximum account mask length allowed for user input is 19 when account mask is Numeric and checksum algorithm is mod11  |
| VAM-BRN-50 | Maximum account mask length allowed for user input is 18 when checksum algorithm is mod97  |
| VAM-BRN-51 | Checksum digit d is not allowed for user input when account mask is numeric and checksum algorithm is mod11 or mod11WW   |
| VAM-BRN-52 | Cannot have 'dd' in account mask when checksum algorithm is mod11 or mod11WW   |
| VAM-BRN-53 | f can be present either at start or end of the account mask  |



| Table A-1 | (Cont.) List of Error Codes |
|-----------|-----------------------------|
| Table A-1 |                             |

| Error Code | Description  |
|------------|--|
| VAM-BRN-54 | Identifier mask length and start position should be maintained such that identifier mask is within virtual account mask range      |
| VAM-BRN-55 | Maximum account mask length allowed for user input is 12 when account mask is Numeric and checksum algorithm is mod11 with weights |
| VAM-BRN-56 | Bban bank code should be blank if b is not part of bban format mask  |
| VAM-BRN-57 | Bban branch code should be blank if s is not part of bban format mask  |
| VAM-BRN-58 | Branch Code is not valid   |
| VAM-BRN-59 | Country code is not valid. Country code maintained for Current branch is \$1   |
| VAM-BRN-60 | Last Account Number generated should be between start and end account Number, Give Proper Start and End Account Number             |
| VAM-BRN-61 | Cannot Close the Branch as Active Account exist with the Branch  |
| VAM-BRN-62 | \$1 Checksum Algorithm is invalid  |
| VAM-BRN-63 | Checksum Algorithm is invalid  |
| VAM-BRN-64 | Account Auto generate is not allowed when Account Mask is not maintained   |
| VAM-BRN-65 | Start or End Account Number cannot be given when Account Mask is not maintained  |
| VAM-BRN-66 | Checksum Algorithm cannot be given when Account Mask is not maintained   |
| VAM-BRN-67 | Account Mask cannot have d when checksum algorithm is not given  |
| VAM-BRN-68 | Country Code is not maintained for the Current branch  |
| VAM-BRN-69 | Rate Type is invalid   |
| VAM-BRN-70 | Cannot modify the Value of Corporate Specific Range Required when there are accounts for the specified Branch                      |
| VAM-BRN-71 | Cannot modify the Value of Corporate Specific Range Required as there are open Account Range defined for the Branch                |
| VAM-BRN-72 | Cannot close the Branch as there are open Account Range defined for the Branch   |
| VAM-BRN-80 | Cannot modify the Value of account mask when there is an open account for the branch   |
| VAM-BRN-81 | Cannot modify start account number when there is an open account for the branch  |
| VAM-BRN-83 | Length of Start Account No and End Account No should be same as that of account mask   |
| VAM-BRN-84 | New end account number should be greater than previous end account number when there is an open account for the branch             |
| VAM-BRN-85 | External Account Generation option for Account and IBAN cannot be blank  |
| VAM-BRN-86 | Cannot modify the Values of External Account Generation when there are open accounts for the specified Branch                      |
| VAM-BRN-87 | Cannot have 'dd' in account mask when checksum algorithm is mod10  |
| VAM-BRN-87 | Valid record already exists. Can have only one record  |
| VAM-IC-002 | Action is not valid  |
| VAM-IC-003 | Actions not maintained   |
| VAM-IC-004 | Updated Event Master Successfully  |



| Table A-1 | (Cont.) List of Error Codes |
|-----------|-----------------------------|

| Error Code   | Description  |
|--------------|--|
| VAM-IC-005   | Added Event Master Successfully  |
| VAM-IC-006   | Unknown Error, failed to process authorize   |
| VAM-ICG-010  | Mandatory inputs are missing in request  |
| VAM-LM-001   | Valid record already exists. Can have only one record                              |
| VAM-LM-002   | Action is not valid  |
| VAM-LM-003   | Actions not maintained   |
| VAM-LM-004   | Updated Event Master Successfully  |
| VAM-LM-005   | Added Event Master Successfully  |
| VAM-LM-006   | Unknown Error, Failed to process authorize   |
| VAM-LMT-001  | Successfully merged re-evaluate limit utilization amounts                          |
| VAC-PRDT-001 | Product template code size must be \$1   |
| VAC-PRDT-002 | If Interest Calculation is selected, then IC Group Template should be present      |
| VAC-PRDT-003 | Only Positive Non-decimal numbers greater than zero are allowed for Inactive days  |
| VAC-PRDT-004 | IC Group Template \$1 is invalid   |
| VAC-PRDT-005 | Cannot Map Identical Transaction Codes Twice                                       |
| VAC-PRDT-006 | Transaction Code \$1 is invalid  |
| VAC-PRDT-007 | Cannot Map Identical Currency Codes Twice  |
| VAC-PRDT-008 | Currency Code \$1 is invalid   |
| VAC-PRDT-009 | Cannot Map Identical Customer Category Codes Twice                                 |
| VAC-PRDT-010 | Customer Category Code \$1 is invalid  |
| EDA-CMC-001  | DDASystem1 \$1 is Invalid  |
| EDA-CMC-002  | DDASystem2 \$1 is Invalid  |
| EDA-CMC-003  | DuefromDDASystem1 \$1 is Invalid   |
| EDA-CMC-004  | DuefromDDASystem2 \$1 is Invalid   |
| EDA-CMC-005  | DuetoDDASystem1 \$1 is Invalid   |
| EDA-CMC-006  | DuetoDDASystem2 \$1 is Invalid   |
| EDA-PREF-001 | Record Saved Successfully  |
| EDA-PREF-002 | Record already exist   |
| EDA-PREF-003 | Cannot modify ECA system name  |
| EDA-PREF-004 | Record Successfully modified   |
| EDA-PREF-005 | Record does not exist  |
| GC-CLS-02    | Record Successfully Closed   |
| GC-REOP-03   | Successfully Reopened  |
| GCS-AUTH-01  | Record Successfully Authorized   |
| GCS-AUTH-02  | Valid modifications for approval were not sent. Failed to match                    |
| GCS-AUTH-03  | Maker cannot authorize   |
| GCS-AUTH-04  | No Valid unauthorized modifications found for approval                             |
| GCS-CLOS-002 | Record Successfully Closed   |
| GCS-CLOS-01  | Record Already Closed  |
| GCS-CLOS-02  | Record Successfully Closed   |
| GCS-CLOS-03  | Unauthorized record cannot be closed, it can be deleted before first authorization |



| Error CodeDescriptionGCS-COM-001Record does not existGCS-COM-002Invalid version sent; operation can be performed only on latest versionGCS-COM-003Please Send Proper ModNoGCS-COM-004Please Send makerld in the requestGCS-COM-005Request is Null. Please Resend with Proper ValuesGCS-COM-006Unable to parse JSONGCS-COM-007Request is Null. Please Resend with Proper ValuesGCS-COM-008Modifications should be consecutiveGCS-COM-009Resource ID cannot be blank or "null"GCS-COM-010Successfully cancelled \$1GCS-COM-011\$1 failed to updateGCS-DEL-001Record deleted successfullyGCS-DEL-002Record(s) deleted successfullyGCS-DEL-003Modifications din or match valid unauthorized modifications that can be<br>deleted for this recordGCS-DEL-004Send all unauthorized modifications to be deleted for record that is not<br>authorized even onceGCS-DEL-005Only Maker of first version of record can delete modifications of record<br>that is not once authorizedGCS-MDD-001Closed Record cannot be modifiedGCS-MDD-002Record Successfully ModifiedGCS-MOD-003Record marked for close and cannot modifyGCS-MOD-004Only maker of the record can delete modifications of record<br>that is not annetable field, cannot modifyGCS-MOD-003Record marked for close and cannot modifyGCS-MOD-004Only maker of the record can deleter authorizedGCS-MOD-005Not amendable field, cannot modifyGCS-MOD-006Natural Key cannot                         |              |   |
|---|--------------|---|
| GCS-COM-002         Invalid version sent; operation can be performed only on latest version           GCS-COM-003         Please Send Proper ModNo           GCS-COM-004         Please send makerld in the request           GCS-COM-005         Request is Null. Please Resend with Proper Values           GCS-COM-006         Unable to parse JSON           GCS-COM-007         Request Successfully Processed           GCS-COM-008         Modifications should be consecutive           GCS-COM-009         Resource ID cannot be blank or "null"           GCS-COM-010         Successfully cancelled \$1           GCS-COM-011         \$1 failed to update           GCS-COM-02         Record deleted successfully           GCS-DEL-001         Record deleted successfully           GCS-DEL-002         Record (s) deleted successfully           GCS-DEL-003         Modifications did not match valid unauthorized modifications that can be deleted for this record           GCS-DEL-004         Send all unauthorized modifications to be deleted for record that is not authorized even once           GCS-DEL-005         Only Maker of first version of record can delete modifications of record that is not once authorized           GCS-DEL-006         No valid unauthorized modified           GCS-MOD-001         Closed Record cannot be modified           GCS-MOD-002         Record successfully Modifie          | Error Code   | Description   |
| GCS-COM-003         Please Send Proper ModNo           GCS-COM-004         Please send makerld in the request           GCS-COM-005         Request is Null. Please Resend with Proper Values           GCS-COM-006         Unable to parse JSON           GCS-COM-007         Request Successfully Processed           GCS-COM-008         Modifications should be consecutive           GCS-COM-009         Resource ID cannot be blank or "null"           GCS-COM-010         Successfully cancelled \$1           GCS-COM-011         \$1 failed to update           GCS-DEL-002         Record (s) deleted successfully           GCS-DEL-003         Modifications did not match valid unauthorized modifications that can be deleted for this record           GCS-DEL-004         Send all unauthorized modifications to be deleted for record that is not authorized even once           GCS-DEL-005         Only Maker of first version of record can delete modifications of record that is not once authorized modified           GCS-MOD-001         Closed Record cannot be modified           GCS-MOD-002         Record Successfully Modified           GCS-MOD-003         Record marked for close and cannot modify           GCS-MOD-004         Only maker of the record can modify before once auth           GCS-MOD-005         Not amendable field, cannot modify           GCS-MOD-006         Natural Key canno          | GCS-COM-001  | Record does not exist   |
| GCS-COM-004         Please send makerld in the request           GCS-COM-005         Request is Null. Please Resend with Proper Values           GCS-COM-006         Unable to parse JSON           GCS-COM-007         Request Successfully Processed           GCS-COM-008         Modifications should be consecutive           GCS-COM-009         Resource ID cannot be blank or "null"           GCS-COM-010         Successfully cancelled \$1           GCS-COM-011         \$1 failed to update           GCS-DEL-002         Record deleted successfully           GCS-DEL-003         Modifications did not match valid unauthorized modifications that can be deleted for this record           GCS-DEL-004         Send all unauthorized modifications to be deleted for record that is not authorized even once           GCS-DEL-005         Only Maker of first version of record can delete modifications of record that is not once authorized modifications found for deleting           GCS-DEL-006         No valid unauthorized modified           GCS-MOD-001         Closed Record cannot be modified           GCS-MOD-002         Record Successfully Modified           GCS-MOD-003         Record marked for close and cannot modify           GCS-MOD-004         Only maker of the record can modify before once auth           GCS-MOD-005         Not amendable field, cannot modify           GCS-MOD-006          | GCS-COM-002  | Invalid version sent; operation can be performed only on latest version |
| GCS-COM-005         Request is Null. Please Resend with Proper Values           GCS-COM-006         Unable to parse JSON           GCS-COM-007         Request Successfully Processed           GCS-COM-008         Modifications should be consecutive           GCS-COM-009         Resource ID cannot be blank or "null"           GCS-COM-010         Successfully cancelled \$1           GCS-COM-011         \$1 failed to update           GCS-DEL-001         Record deleted successfully           GCS-DEL-002         Record(s) deleted successfully           GCS-DEL-003         Modifications did not match valid unauthorized modifications that can be deleted for this record           GCS-DEL-004         Send all unauthorized modifications to be deleted for record that is not authorized even once           GCS-DEL-005         Only Maker of first version of record can delete modifications of record that is not once authorized           GCS-DEL-006         No valid unauthorized modifications found for deleting           GCS-DEL-007         Failed to delete. Only maker of the modification(s) can delete           GCS-MOD-001         Closed Record cannot be modified           GCS-MOD-002         Record Successfully Modified           GCS-MOD-003         Record marked for close and cannot modify           GCS-MOD-004         Only maker of the record can modify before once auth           GCS-M | GCS-COM-003  | Please Send Proper ModNo  |
| GCS-COM-006         Unable to parse JSON           GCS-COM-007         Request Successfully Processed           GCS-COM-008         Modifications should be consecutive           GCS-COM-009         Resource ID cannot be blank or "null"           GCS-COM-010         Successfully cancelled \$1           GCS-COM-011         \$1 failed to update           GCS-DEL-001         Record deleted successfully           GCS-DEL-002         Record(s) deleted successfully           GCS-DEL-003         Modifications did not match valid unauthorized modifications that can be deleted for this record           GCS-DEL-004         Send all unauthorized modifications to be deleted for record that is not authorized veno once           GCS-DEL-005         Only Maker of first version of record can delete modifications of record that is not once authorized           GCS-DEL-006         No valid unauthorized modifications found for deleting           GCS-DEL-007         Failed to delete. Only maker of the modification(s) can delete           GCS-MOD-001         Closed Record cannot be modified           GCS-MOD-002         Record Successfully Modified           GCS-MOD-003         Record marked for close and cannot modify           GCS-MOD-004         Only maker of the record can modify before once auth           GCS-MOD-005         Not amendable field, cannot modify           GCS-MOD-006          | GCS-COM-004  | Please send makerId in the request                                      |
| GCS-COM-007Request Successfully ProcessedGCS-COM-008Modifications should be consecutiveGCS-COM-009Resource ID cannot be blank or "null"GCS-COM-010Successfully cancelled \$1GCS-COM-011\$1 failed to updateGCS-DEL-001Record deleted successfullyGCS-DEL-002Record(s) deleted successfullyGCS-DEL-003Modifications did not match valid unauthorized modifications that can be<br>deleted for this recordGCS-DEL-004Send all unauthorized modifications to be deleted for record that is not<br>authorized even onceGCS-DEL-005Only Maker of first version of record can delete modifications of record<br>that is not once authorized modifications found for deletingGCS-DEL-006No valid unauthorized modifications found for deletingGCS-DEL-007Failed to delete. Only maker of the modification(s) can deleteGCS-MOD-001Closed Record cannot be modifiedGCS-MOD-002Record Successfully ModifiedGCS-MOD-003Record marked for close and cannot modifyGCS-MOD-004Only maker of the record can modify before once authGCS-MOD-005Not amendable field, cannot modifyGCS-MOD-006Natural Key cannot be modifiedGCS-REOP-003Successfully ReopenedGCS-REOP-01Unauthorized Record cannot be ReopenedGCS-REOP-02Failed to Report the Record, cannot reopen Open recordsGCS-REOP-03Successfully ReopenedGCS-REOP-04Unauthorized record cannot be reopened, record should be closed and<br>authorizedGCS-REOP-04Record already exists                         | GCS-COM-005  | Request is Null. Please Resend with Proper Values                       |
| GCS-COM-008Modifications should be consecutiveGCS-COM-009Resource ID cannot be blank or "null"GCS-COM-010Successfully cancelled \$1GCS-COM-011\$1 failed to updateGCS-DEL-001Record deleted successfullyGCS-DEL-002Record(s) deleted successfullyGCS-DEL-003Modifications did not match valid unauthorized modifications that can be<br>deleted for this recordGCS-DEL-004Send all unauthorized modifications to be deleted for record that is not<br>authorized even onceGCS-DEL-005Only Maker of first version of record can delete modifications of record<br>that is not once authorizedGCS-DEL-006No valid unauthorized modifications found for deletingGCS-DEL-007Failed to delete. Only maker of the modification(s) can deleteGCS-MOD-001Closed Record cannot be modifiedGCS-MOD-002Record Successfully ModifiedGCS-MOD-003Record marked for close and cannot modifyGCS-MOD-004Only maker of the record can modify before once authGCS-MOD-005Not amendable field, cannot modifyGCS-MOD-006Natural Key cannot be modifiedGCS-REOP-003Successfully ReopenedGCS-REOP-01Unauthorized Record cannot be ReopenedGCS-REOP-02Failed to Reopen the Record, cannot reopen Open recordsGCS-REOP-03Successfully ReopenedGCS-REOP-04Unauthorized record cannot be reopened, record should be closed and<br>authorizedGCS-REOP-04Record already exists   | GCS-COM-006  | Unable to parse JSON  |
| GCS-COM-009Resource ID cannot be blank or "null"GCS-COM-010Successfully cancelled \$1GCS-COM-011\$1 failed to updateGCS-DEL-001Record deleted successfullyGCS-DEL-002Record(s) deleted successfullyGCS-DEL-003Modifications did not match valid unauthorized modifications that can be<br>deleted for this recordGCS-DEL-004Send all unauthorized modifications to be deleted for record that is not<br>authorized even onceGCS-DEL-005Only Maker of first version of record can delete modifications of record<br>that is not once authorizedGCS-DEL-006No valid unauthorized modifiedGCS-MOD-001Closed Record cannot be modifiedGCS-MOD-002Record Successfully ModifiedGCS-MOD-003Record marked for close and cannot modifyGCS-MOD-004Only maker of the record can modify before once authGCS-MOD-005Not amendable field, cannot modifyGCS-MOD-006Natural Key cannot be modifiedGCS-MOD-007Only the maker can modify the pending recordsGCS-REOP-003Successfully ReopenedGCS-REOP-01Unauthorized Record cannot be ReopenedGCS-REOP-02Failed to Reopen the Record, cannot reopen Open recordsGCS-REOP-03Successfully ReopenedGCS-REOP-04Unauthorized record cannot be reopened, record should be closed and<br>authorizedGCS-REOP-01Record already exists  | GCS-COM-007  | Request Successfully Processed  |
| GCS-COM-010Successfully cancelled \$1GCS-COM-011\$1 failed to updateGCS-DEL-001Record deleted successfullyGCS-DEL-002Record(s) deleted successfullyGCS-DEL-003Modifications did not match valid unauthorized modifications that can be<br>deleted for this recordGCS-DEL-004Send all unauthorized modifications to be deleted for record that is not<br>authorized even onceGCS-DEL-005Only Maker of first version of record can delete modifications of record<br>that is not once authorizedGCS-DEL-006No valid unauthorized modifications found for deletingGCS-DEL-007Failed to delete. Only maker of the modification(s) can deleteGCS-MOD-001Closed Record cannot be modifiedGCS-MOD-002Record successfully ModifiedGCS-MOD-003Record cannot be modifiedGCS-MOD-004Only maker of the record can modify before once authGCS-MOD-005Not amendable field, cannot modifyGCS-MOD-006Natural Key cannot be modifiedGCS-MOD-007Only the maker can modify the pending recordsGCS-REOP-01Unauthorized Record cannot be ReopenedGCS-REOP-02Failed to Reopen the Record, cannot reopen Open recordsGCS-REOP-03Successfully ReopenedGCS-REOP-04Unauthorized record cannot be reopened, record should be closed and<br>authorizedGCS-RAV-001Record already exists  | GCS-COM-008  | Modifications should be consecutive                                     |
| GCS-COM-011\$1 failed to updateGCS-DEL-001Record deleted successfullyGCS-DEL-002Record(s) deleted successfullyGCS-DEL-003Modifications did not match valid unauthorized modifications that can be<br>deleted for this recordGCS-DEL-004Send all unauthorized modifications to be deleted for record that is not<br>authorized even onceGCS-DEL-005Only Maker of first version of record can delete modifications of record<br>that is not once authorizedGCS-DEL-006No valid unauthorized modifications found for deletingGCS-DEL-007Failed to delete. Only maker of the modification(s) can deleteGCS-MOD-001Closed Record cannot be modifiedGCS-MOD-002Record Successfully ModifiedGCS-MOD-003Record marked for close and cannot modifyGCS-MOD-004Only maker of the record can modify before once authGCS-MOD-005Not amendable field, cannot modifyGCS-MOD-006Natural Key cannot be modifiedGCS-MOD-007Only the maker can modify the pending recordsGCS-REOP-01Unauthorized Record cannot be ReopenedGCS-REOP-02Failed to Reopen the Record, cannot reopen Open recordsGCS-REOP-03Successfully ReopenedGCS-REOP-04Unauthorized record cannot be reopened, record should be closed and<br>authorizedGCS-RAV-001Record already exists   | GCS-COM-009  | Resource ID cannot be blank or "null"                                   |
| GCS-DEL-001Record deleted successfullyGCS-DEL-002Record(s) deleted successfullyGCS-DEL-003Modifications did not match valid unauthorized modifications that can be<br>deleted for this recordGCS-DEL-004Send all unauthorized modifications to be deleted for record that is not<br>authorized even onceGCS-DEL-005Only Maker of first version of record can delete modifications of record<br>that is not once authorizedGCS-DEL-006No valid unauthorized modifications found for deletingGCS-DEL-007Failed to delete. Only maker of the modification(s) can deleteGCS-MOD-001Closed Record cannot be modifiedGCS-MOD-002Record Successfully ModifiedGCS-MOD-003Record marked for close and cannot modifyGCS-MOD-004Only maker of the record can modify before once authGCS-MOD-005Not amendable field, cannot modifyGCS-MOD-006Natural Key cannot be modifiedGCS-MOD-007Only the maker can modify the pending recordsGCS-REOP-003Successfully ReopenedGCS-REOP-01Unauthorized Record cannot be ReopenedGCS-REOP-02Failed to Reopen the Record, cannot reopen Open recordsGCS-REOP-03Successfully ReopenedGCS-REOP-04Unauthorized record cannot be reopened, record should be closed and<br>authorizedGCS-RAV-001Record already exists   | GCS-COM-010  | Successfully cancelled \$1  |
| GCS-DEL-002Record(s) deleted successfullyGCS-DEL-003Modifications did not match valid unauthorized modifications that can be<br>deleted for this recordGCS-DEL-004Send all unauthorized modifications to be deleted for record that is not<br>authorized even onceGCS-DEL-005Only Maker of first version of record can delete modifications of record<br>that is not once authorizedGCS-DEL-006No valid unauthorized modifications found for deletingGCS-DEL-007Failed to delete. Only maker of the modification(s) can deleteGCS-MOD-001Closed Record cannot be modifiedGCS-MOD-002Record Successfully ModifiedGCS-MOD-003Record marked for close and cannot modifyGCS-MOD-004Only maker of the record can modify before once authGCS-MOD-005Not amendable field, cannot modifyGCS-MOD-006Natural Key cannot be modifiedGCS-MOD-007Only the maker can modify the pending recordsGCS-REOP-003Successfully ReopenedGCS-REOP-01Unauthorized Record cannot be ReopenedGCS-REOP-02Failed to Reopen the Record, cannot reopen Open recordsGCS-REOP-04Unauthorized record cannot be reopened, record should be closed and<br>authorizedGCS-REOP-04Record already exists   | GCS-COM-011  | \$1 failed to update  |
| GCS-DEL-003Modifications did not match valid unauthorized modifications that can be<br>deleted for this recordGCS-DEL-004Send all unauthorized modifications to be deleted for record that is not<br>authorized even onceGCS-DEL-005Only Maker of first version of record can delete modifications of record<br>that is not once authorizedGCS-DEL-006No valid unauthorized modifications found for deletingGCS-DEL-007Failed to delete. Only maker of the modification(s) can deleteGCS-MOD-001Closed Record cannot be modifiedGCS-MOD-002Record Successfully ModifiedGCS-MOD-003Record marked for close and cannot modifyGCS-MOD-004Only maker of the record can modify before once authGCS-MOD-005Not amendable field, cannot modifyGCS-MOD-006Natural Key cannot be modifiedGCS-MOD-007Only the maker can modify the pending recordsGCS-REOP-01Unauthorized Record cannot be ReopenedGCS-REOP-02Failed to Reopen the Record, cannot reopen Open recordsGCS-REOP-04Unauthorized record cannot be reopened, record should be closed and<br>authorized   | GCS-DEL-001  | Record deleted successfully   |
| deleted for this recordGCS-DEL-004Send all unauthorized modifications to be deleted for record that is not<br>authorized even onceGCS-DEL-005Only Maker of first version of record can delete modifications of record<br>that is not once authorizedGCS-DEL-006No valid unauthorized modifications found for deletingGCS-DEL-007Failed to delete. Only maker of the modification(s) can deleteGCS-MOD-001Closed Record cannot be modifiedGCS-MOD-002Record Successfully ModifiedGCS-MOD-003Record marked for close and cannot modifyGCS-MOD-004Only maker of the record can modify before once authGCS-MOD-005Not amendable field, cannot modifyGCS-MOD-006Natural Key cannot be modifiedGCS-REOP-003Successfully ReopenedGCS-REOP-01Unauthorized Record cannot be ReopenedGCS-REOP-02Failed to Reopen the Record, cannot reopen Open recordsGCS-REOP-03Successfully ReopenedGCS-REOP-04Unauthorized record cannot be reopened, record should be closed and<br>authorizedGCS-REOP-04Record already exists   | GCS-DEL-002  | Record(s) deleted successfully  |
| authorized even onceGCS-DEL-005Only Maker of first version of record can delete modifications of record<br>that is not once authorizedGCS-DEL-006No valid unauthorized modifications found for deletingGCS-DEL-007Failed to delete. Only maker of the modification(s) can deleteGCS-MOD-001Closed Record cannot be modifiedGCS-MOD-002Record Successfully ModifiedGCS-MOD-003Record marked for close and cannot modifyGCS-MOD-004Only maker of the record can modify before once authGCS-MOD-005Not amendable field, cannot modifyGCS-MOD-006Natural Key cannot be modifiedGCS-MOD-007Only the maker can modify the pending recordsGCS-REOP-003Successfully ReopenedGCS-REOP-02Failed to Reopen the Record, cannot reopen Open recordsGCS-REOP-03Successfully ReopenedGCS-REOP-04Unauthorized record cannot be reopened, record should be closed and<br>authorizedGCS-REOP-04Record already exists  | GCS-DEL-003  |   |
| that is not once authorizedGCS-DEL-006No valid unauthorized modifications found for deletingGCS-DEL-007Failed to delete. Only maker of the modification(s) can deleteGCS-MOD-001Closed Record cannot be modifiedGCS-MOD-002Record Successfully ModifiedGCS-MOD-003Record marked for close and cannot modifyGCS-MOD-004Only maker of the record can modify before once authGCS-MOD-005Not amendable field, cannot modifyGCS-MOD-006Natural Key cannot be modifiedGCS-MOD-007Only the maker can modify the pending recordsGCS-REOP-003Successfully ReopenedGCS-REOP-01Unauthorized Record cannot be ReopenedGCS-REOP-02Failed to Reopen the Record, cannot reopen Open recordsGCS-REOP-04Unauthorized record cannot be reopened, record should be closed and authorizedGCS-SAV-001Record already exists   | GCS-DEL-004  |   |
| GCS-DEL-007Failed to delete. Only maker of the modification(s) can deleteGCS-MOD-001Closed Record cannot be modifiedGCS-MOD-002Record Successfully ModifiedGCS-MOD-003Record marked for close and cannot modifyGCS-MOD-004Only maker of the record can modify before once authGCS-MOD-005Not amendable field, cannot modifyGCS-MOD-006Natural Key cannot be modifiedGCS-MOD-007Only the maker can modify the pending recordsGCS-REOP-003Successfully ReopenedGCS-REOP-01Unauthorized Record cannot be ReopenedGCS-REOP-03Successfully ReopenedGCS-REOP-04Unauthorized record cannot be reopened, record should be closed and authorizedGCS-SAV-001Record already exists   | GCS-DEL-005  | •   |
| GCS-MOD-001Closed Record cannot be modifiedGCS-MOD-002Record Successfully ModifiedGCS-MOD-003Record marked for close and cannot modifyGCS-MOD-004Only maker of the record can modify before once authGCS-MOD-005Not amendable field, cannot modifyGCS-MOD-006Natural Key cannot be modifiedGCS-MOD-007Only the maker can modify the pending recordsGCS-REOP-003Successfully ReopenedGCS-REOP-01Unauthorized Record cannot be ReopenedGCS-REOP-02Failed to Reopen the Record, cannot reopen Open recordsGCS-REOP-03Successfully ReopenedGCS-REOP-04Unauthorized record cannot be reopened, record should be closed and authorized  | GCS-DEL-006  | No valid unauthorized modifications found for deleting                  |
| GCS-MOD-002Record Successfully ModifiedGCS-MOD-003Record marked for close and cannot modifyGCS-MOD-004Only maker of the record can modify before once authGCS-MOD-005Not amendable field, cannot modifyGCS-MOD-006Natural Key cannot be modifiedGCS-MOD-007Only the maker can modify the pending recordsGCS-REOP-003Successfully ReopenedGCS-REOP-01Unauthorized Record cannot be ReopenedGCS-REOP-02Failed to Reopen the Record, cannot reopen Open recordsGCS-REOP-03Successfully ReopenedGCS-REOP-04Unauthorized record cannot be reopened, record should be closed and authorizedGCS-SAV-001Record already exists   | GCS-DEL-007  | Failed to delete. Only maker of the modification(s) can delete          |
| GCS-MOD-003Record marked for close and cannot modifyGCS-MOD-004Only maker of the record can modify before once authGCS-MOD-005Not amendable field, cannot modifyGCS-MOD-006Natural Key cannot be modifiedGCS-MOD-007Only the maker can modify the pending recordsGCS-REOP-003Successfully ReopenedGCS-REOP-01Unauthorized Record cannot be ReopenedGCS-REOP-02Failed to Reopen the Record, cannot reopen Open recordsGCS-REOP-03Successfully ReopenedGCS-REOP-04Unauthorized record cannot be reopened, record should be closed and authorizedGCS-SAV-001Record already exists  | GCS-MOD-001  | Closed Record cannot be modified  |
| GCS-MOD-004Only maker of the record can modify before once authGCS-MOD-005Not amendable field, cannot modifyGCS-MOD-006Natural Key cannot be modifiedGCS-MOD-007Only the maker can modify the pending recordsGCS-REOP-003Successfully ReopenedGCS-REOP-01Unauthorized Record cannot be ReopenedGCS-REOP-02Failed to Reopen the Record, cannot reopen Open recordsGCS-REOP-03Successfully ReopenedGCS-REOP-04Unauthorized record cannot be reopened, record should be closed and authorizedGCS-SAV-001Record already exists  | GCS-MOD-002  | Record Successfully Modified  |
| GCS-MOD-005Not amendable field, cannot modifyGCS-MOD-006Natural Key cannot be modifiedGCS-MOD-007Only the maker can modify the pending recordsGCS-REOP-003Successfully ReopenedGCS-REOP-01Unauthorized Record cannot be ReopenedGCS-REOP-02Failed to Reopen the Record, cannot reopen Open recordsGCS-REOP-03Successfully ReopenedGCS-REOP-04Unauthorized record cannot be reopened, record should be closed and authorizedGCS-SAV-001Record already exists   | GCS-MOD-003  | Record marked for close and cannot modify                               |
| GCS-MOD-006Natural Key cannot be modifiedGCS-MOD-007Only the maker can modify the pending recordsGCS-REOP-003Successfully ReopenedGCS-REOP-01Unauthorized Record cannot be ReopenedGCS-REOP-02Failed to Reopen the Record, cannot reopen Open recordsGCS-REOP-03Successfully ReopenedGCS-REOP-04Unauthorized record cannot be reopened, record should be closed and<br>authorizedGCS-SAV-001Record already exists   | GCS-MOD-004  | Only maker of the record can modify before once auth                    |
| GCS-MOD-007Only the maker can modify the pending recordsGCS-REOP-003Successfully ReopenedGCS-REOP-01Unauthorized Record cannot be ReopenedGCS-REOP-02Failed to Reopen the Record, cannot reopen Open recordsGCS-REOP-03Successfully ReopenedGCS-REOP-04Unauthorized record cannot be reopened, record should be closed and<br>authorizedGCS-SAV-001Record already exists  | GCS-MOD-005  | Not amendable field, cannot modify                                      |
| GCS-REOP-003Successfully ReopenedGCS-REOP-01Unauthorized Record cannot be ReopenedGCS-REOP-02Failed to Reopen the Record, cannot reopen Open recordsGCS-REOP-03Successfully ReopenedGCS-REOP-04Unauthorized record cannot be reopened, record should be closed and<br>authorizedGCS-SAV-001Record already exists  | GCS-MOD-006  | Natural Key cannot be modified  |
| GCS-REOP-01Unauthorized Record cannot be ReopenedGCS-REOP-02Failed to Reopen the Record, cannot reopen Open recordsGCS-REOP-03Successfully ReopenedGCS-REOP-04Unauthorized record cannot be reopened, record should be closed and<br>authorizedGCS-SAV-001Record already exists   | GCS-MOD-007  | Only the maker can modify the pending records                           |
| GCS-REOP-02Failed to Reopen the Record, cannot reopen Open recordsGCS-REOP-03Successfully ReopenedGCS-REOP-04Unauthorized record cannot be reopened, record should be closed and<br>authorizedGCS-SAV-001Record already exists  | GCS-REOP-003 | Successfully Reopened   |
| GCS-REOP-03Successfully ReopenedGCS-REOP-04Unauthorized record cannot be reopened, record should be closed and<br>authorizedGCS-SAV-001Record already exists  | GCS-REOP-01  | Unauthorized Record cannot be Reopened                                  |
| GCS-REOP-04     Unauthorized record cannot be reopened, record should be closed and authorized       GCS-SAV-001     Record already exists  | GCS-REOP-02  | Failed to Reopen the Record, cannot reopen Open records                 |
| authorized       GCS-SAV-001     Record already exists  | GCS-REOP-03  | Successfully Reopened   |
|   | GCS-REOP-04  | · · ·   |
| GCS-SAV-002 Record Saved Successfully   | GCS-SAV-001  | Record already exists   |
|   | GCS-SAV-002  | Record Saved Successfully   |
| GCS-SAV-003 The record is saved and validated successfully  | GCS-SAV-003  | The record is saved and validated successfully                          |
| GCS-VAL-001 The record is successfully validated  | GCS-VAL-001  |   |
| VAB-ACC-142 Amount block not allowed as closure request initiated for virtual account   | VAB-ACC-142  |   |
| VAB-ACC-143 Amount Block not allowed for virtual account/s with posting restrictions for specific status  | VAB-ACC-143  |   |
| VAB-ECA-01 Expiry Date is less than Effective Date  | VAB-ECA-01   | -   |
| VAB-ECA-02 Expiry Date Cannot be less than Application Date   |              |   |
| VAB-ECA-03 Effective Date Cannot be less than the Application date  | VAB-ECA-03   |   |

| - | Table A-1 | (Cont.) List of Error Codes |
|---|-----------|-----------------------------|
| _ |           |                             |



| Error CodeDescriptionVAB-ECA-04Requested Amount Block must be greater than zeroVAB-ECA-05Record Saved SuccessfullyVAB-ECA-06Request is Null. Please Resend with Proper ValuesVAB-ECA-07Virtual Account \$1 cannot be passed multiple timesVAB-ECA-08Invalid virtual account \$1 and currency \$2VAB-ECA-09Authorized record cannot be deletedVAB-ECA-10Only maker can delete the RecordVAB-ECA-11Record deleted successfullyVAB-ECA-12Record does not ExistVAB-ECA-13Failed to update balanceVAB-ECA-14Key Id is nullVAB-ECA-15Record already authorizedVAB-ECA-16Maker cannot authorizeVAB-ECA-17Record does not ExistVAB-ECA-18Record does not ExistVAB-ECA-19Cannot be Released as the Amount Block is unauthorizedVAB-ECA-19Cannot be Released SuccesfullyVAB-ECA-20Record Released SuccesfullyVAB-ECA-21Record Released SuccesfullyVAB-ECA-22Failed in External DDAVAB-ECA-23Virtual Account is not mapped to Real AccountVAB-ECA-24Expiry Date cannot be less than Value dateVAB-ECA-25TraAmount and Approved Amount are not sameVAB-ECA-26Updated Released Amount SuccessfullyVAB-ECA-27Released Amount SuccessfullyVAB-ECA-28BlockRef number is already locked by \$1 ProcesReference numberVAB-ECA-29Requested ECA References does not exists in DatabaseVAB-ECA-30Tirasaction Request to ECA is Empty<  |            |  |
|---|------------|--|
| VAB-ECA-05         Record Saved Successfully           VAB-ECA-06         Request is Null. Please Resend with Proper Values           VAB-ECA-07         Virtual Account \$1 cannot be passed multiple times           VAB-ECA-08         Invalid virtual account \$1 and currency \$2           VAB-ECA-09         Authorized record cannot be deleted           VAB-ECA-10         Only maker can delete the Record           VAB-ECA-11         Record deleted successfully           VAB-ECA-12         Record deleted successfully           VAB-ECA-13         Failed to update balance           VAB-ECA-14         Key Id is null           VAB-ECA-15         Record daready authorized           VAB-ECA-16         Maker cannot authorize           VAB-ECA-17         Record does not Exist           VAB-ECA-18         Record desen to Exist           VAB-ECA-19         Cannot be Released as the Amount Block is unauthorized           VAB-ECA-20         Record Released Successfully           VAB-ECA-21         Record Released Successfully           VAB-ECA-22         Failed in External DDA           VAB-ECA-23         Virtual Account is not mapped to Real Account           VAB-ECA-24         Expiry Date cannot be less than Value date           VAB-ECA-25         TxnAmount and Approved Amount are not same   | Error Code | Description  |
| VAB-ECA-06         Request is Null. Please Resend with Proper Values           VAB-ECA-07         Virtual Account \$1 cannot be passed multiple times           VAB-ECA-08         Invalid virtual account \$1 and currency \$2           VAB-ECA-09         Authorized record cannot be deleted           VAB-ECA-10         Only maker can delete the Record           VAB-ECA-11         Record does not Exist           VAB-ECA-12         Record does not Exist           VAB-ECA-13         Failed to update balance           VAB-ECA-14         Key Id is null           VAB-ECA-15         Record already authorized           VAB-ECA-16         Maker cannot authorize           VAB-ECA-18         Record Successfully Authorized           VAB-ECA-19         Cannot be Released as the Amount Block is unauthorized           VAB-ECA-20         Record Released Successfully           VAB-ECA-21         Record Released Successfully           VAB-ECA-22         Failed in External DDA           VAB-ECA-23         Virtual Account is not mapped to Real Account           VAB-ECA-24         Expiry Date cannot be greater than Approved Amount are not same           VAB-ECA-25         TxnAmount and Approved Amount are not same           VAB-ECA-26         Updated Released Amount Successfully           VAB-ECA-28         BlockRef num   | VAB-ECA-04 | Requested Amount Block must be greater than zero                       |
| VAB-ECA-07       Virtual Account \$1 cannot be passed multiple times         VAB-ECA-08       Invalid virtual account \$1 and currency \$2         VAB-ECA-09       Authorized record cannot be deleted         VAB-ECA-10       Only maker can delete the Record         VAB-ECA-11       Record deleted successfully         VAB-ECA-12       Record does not Exist         VAB-ECA-13       Failed to update balance         VAB-ECA-14       Key Id is null         VAB-ECA-16       Maker cannot authorize         VAB-ECA-17       Record already authorized         VAB-ECA-18       Record does not Exist         VAB-ECA-19       Cannot be Released as the Amount Block is unauthorized         VAB-ECA-21       Record Released Successfully         VAB-ECA-22       Failed in External DDA         VAB-ECA-23       Virtual Account is not mapped to Real Account         VAB-ECA-24       Expiry Date cannot be less than Value date         VAB-ECA-25       TxnAmount and Approved Amount Successfully         VAB-ECA-26       Updated Released Amount Successfully         VAB-ECA-27       Released Amount Successfully         VAB-ECA-28       BlockRef number is already locked by \$1 ProcessReference number         VAB-ECA-31       Valid Value Date         VAB-ECA-32       Released Amount Suc   | VAB-ECA-05 | Record Saved Successfully  |
| VAB-ECA-08       Invalid virtual account \$1 and currency \$2         VAB-ECA-09       Authorized record cannot be deleted         VAB-ECA-10       Only maker can delete the Record         VAB-ECA-11       Record deleted successfully         VAB-ECA-12       Record does not Exist         VAB-ECA-13       Failed to update balance         VAB-ECA-14       Key Id is null         VAB-ECA-15       Record already authorized         VAB-ECA-16       Maker cannot authorize         VAB-ECA-17       Record Successfully Authorized         VAB-ECA-18       Record does not Exist         VAB-ECA-19       Cannot be Released as the Amount Block is unauthorized         VAB-ECA-20       Record is already released         VAB-ECA-21       Record Released Successfully         VAB-ECA-22       Failed in External DDA         VAB-ECA-23       Virtual Account is not mapped to Real Account         VAB-ECA-24       Expiry Date cannot be less than Value date         VAB-ECA-25       TxnAmount and Approved Amount are not same         VAB-ECA-26       Updated Released Amount Successfully         VAB-ECA-29       Requested ECA References does not exists in Database         VAB-ECA-31       Valid Value Date         VAB-ECA-32       Rolled back the Locked and Released Blocked Amounts<   | VAB-ECA-06 | Request is Null. Please Resend with Proper Values                      |
| VAB-ECA-09Authorized record cannot be deletedVAB-ECA-10Only maker can delete the RecordVAB-ECA-11Record deleted successfullyVAB-ECA-12Record deleted successfullyVAB-ECA-13Failed to update balanceVAB-ECA-14Key Id is nullVAB-ECA-15Record already authorizedVAB-ECA-16Maker cannot authorizeVAB-ECA-17Record does not ExistVAB-ECA-18Record does not ExistVAB-ECA-19Cannot be Released as the Amount Block is unauthorizedVAB-ECA-20Record is already releasedVAB-ECA-21Record Released SuccessfullyVAB-ECA-22Failed in External DDAVAB-ECA-23Virtual Account is not mapped to Real AccountVAB-ECA-24Expiry Date cannot be less than Value dateVAB-ECA-25TxnAmount and Approved Amount are not sameVAB-ECA-26Updated Released Amount SuccessfullyVAB-ECA-27Released Amount cannot be greater than Approved AmountVAB-ECA-30Transaction Request to ECA is EmptyVAB-ECA-31Valid Value DateVAB-ECA-32Rolled back the Locked and Released Blocked AmountsVAB-ECA-33Cannot be Lock/Released as the record is unauthorizedVAB-ECA-34One of Requested ECA BlockReference does not exists in Vab tableVAB-ECA-35Already Unlocked as Part of Compensation of Lock and ReleaseVAB-ECA-36Combination of Virtual Account and ECA Block Ref does not exists in the VAB details tableVAB-ECA-39Relt back the call External DDA of close ECAVAB-ECA-39Rol  | VAB-ECA-07 | Virtual Account \$1 cannot be passed multiple times                    |
| VAB-ECA-10Only maker can delete the RecordVAB-ECA-11Record deleted successfullyVAB-ECA-12Record does not ExistVAB-ECA-13Failed to update balanceVAB-ECA-14Key Id is nullVAB-ECA-15Record already authorizedVAB-ECA-16Maker cannot authorizeVAB-ECA-17Record does not ExistVAB-ECA-18Record does not ExistVAB-ECA-19Cannot be Released as the Amount Block is unauthorizedVAB-ECA-20Record is already releasedVAB-ECA-21Record Released SuccessfullyVAB-ECA-22Failed in External DDAVAB-ECA-23Virtual Account is not mapped to Real AccountVAB-ECA-24Expiry Date cannot be less than Value dateVAB-ECA-25TxnAmount and Approved Amount are not sameVAB-ECA-26Updated Released Amount SuccessfullyVAB-ECA-27Released Amount cannot be greater than Approved AmountVAB-ECA-28BlockRef number is already locked by \$1 ProcessReference numberVAB-ECA-30Transaction Request to ECA is EmptyVAB-ECA-31Valid Value DateVAB-ECA-32Rolled back the Locked and Released Blocked AmountsVAB-ECA-33Cannot be Lock/Released as the record is numthorizedVAB-ECA-34One of Requested ECA BlockReference does not exists in Vab tableVAB-ECA-33Cannot be Lock/Released as the record so not exists in Vab tableVAB-ECA-34One of Requested ECA Block Reference NumbersVAB-ECA-34One of Requested ECA Block Reference NumbersVAB-ECA-33Cannot be Lock/Released   | VAB-ECA-08 | Invalid virtual account \$1 and currency \$2                           |
| VAB-ECA-11         Record deleted successfully           VAB-ECA-12         Record does not Exist           VAB-ECA-13         Failed to update balance           VAB-ECA-14         Key Id is null           VAB-ECA-15         Record already authorized           VAB-ECA-16         Maker cannot authorize           VAB-ECA-17         Record Successfully Authorized           VAB-ECA-18         Record does not Exist           VAB-ECA-19         Cannot be Released as the Amount Block is unauthorized           VAB-ECA-20         Record successfully           VAB-ECA-21         Record Released Successfully           VAB-ECA-22         Failed in External DDA           VAB-ECA-23         Virtual Account is not mapped to Real Account           VAB-ECA-24         Expiry Date cannot be less than Value date           VAB-ECA-25         TxnAmount and Approved Amount are not same           VAB-ECA-26         Updated Released Amount Successfully           VAB-ECA-27         Released Amount Successfully           VAB-ECA-28         BlockRef number is already locked by \$1 ProcessReference number           VAB-ECA-31         Valid Value Date           VAB-ECA-33         Cannot be Lock/Released as the record is unauthorized           VAB-ECA-34         One of Requested ECA BlockReference does not exists in Vab tabl   | VAB-ECA-09 | Authorized record cannot be deleted                                    |
| VAB-ECA-12Record does not ExistVAB-ECA-13Failed to update balanceVAB-ECA-14Key Id is nullVAB-ECA-15Record already authorizedVAB-ECA-16Maker cannot authorizeVAB-ECA-17Record does not ExistVAB-ECA-18Record does not ExistVAB-ECA-19Cannot be Released as the Amount Block is unauthorizedVAB-ECA-20Record does not ExistVAB-ECA-21Record Released SuccessfullyVAB-ECA-22Failed in External DDAVAB-ECA-23Virtual Account is not mapped to Real AccountVAB-ECA-24Expiry Date cannot be less than Value dateVAB-ECA-25TxnAmount and Approved Amount are not sameVAB-ECA-26Updated Released Amount SuccessfullyVAB-ECA-27Released Amount cannot be greater than Approved AmountVAB-ECA-28BlockRef number is already locked by \$1 ProcessReference numberVAB-ECA-30Transaction Request to ECA is EmptyVAB-ECA-31Valid Value DateVAB-ECA-32Rolled back the Locked and Released Blocked AmountsVAB-ECA-33Cannot be Lock/Released as the record is unauthorizedVAB-ECA-34One of Requested ECA BlockReference does not exists in Vab tableVAB-ECA-35Already Unlocked as Part of Compensation of Lock and ReleaseVAB-ECA-36Combination of Virtual Account and ECA Block Ref does not exists in the VAB details tableVAB-ECA-39Roll back the call External DDA of close ECAVAB-ECA-39Roll back the call External DDA of close ECAVAB-ECA-39Roll back the call External DDA of clo  | VAB-ECA-10 | Only maker can delete the Record                                       |
| VAB-ECA-13Failed to update balanceVAB-ECA-14Key Id is nullVAB-ECA-15Record already authorizedVAB-ECA-16Maker cannot authorizeVAB-ECA-17Record Successfully AuthorizedVAB-ECA-18Record does not ExistVAB-ECA-19Cannot be Released as the Amount Block is unauthorizedVAB-ECA-20Record leased SuccessfullyVAB-ECA-21Record Released SuccessfullyVAB-ECA-22Failed in External DDAVAB-ECA-23Virtual Account is not mapped to Real AccountVAB-ECA-24Expiry Date cannot be less than Value dateVAB-ECA-25TxnAmount and Approved Amount are not sameVAB-ECA-26Updated Released Amount SuccessfullyVAB-ECA-28BlockRef number is already locked by \$1 ProcessReference numberVAB-ECA-30Transaction Request to ECA is EmptyVAB-ECA-31Valid Value DateVAB-ECA-32Rolled back the Locked and Released Blocked AmountsVAB-ECA-33Cannot be LockReleased as the record is unauthorizedVAB-ECA-34One of Requested ECA BlockReference does not exists in Vab tableVAB-ECA-35Already Unlocked as Part of Compensation of Lock and Release<br>Amount BlockVAB-ECA-39Relduback the call External DDA of close ECAVAB-ECA-39Roll back the call External DDA of close ECAVAB-ECA-39Roll back the call External DDA of close ECAVAB-ECA-34Direcked by some other Block Reference NumbersVAB-ECA-33Rolled back the call External DDA of close ECAVAB-ECA-34Block Details ist is empty   | VAB-ECA-11 | Record deleted successfully  |
| VAB-ECA.14Key Id is nullVAB-ECA.15Record already authorizedVAB-ECA.16Maker cannot authorizeVAB-ECA.17Record Successfully AuthorizedVAB-ECA.18Record does not ExistVAB-ECA.19Cannot be Released as the Amount Block is unauthorizedVAB-ECA.20Record is already releasedVAB-ECA.21Record Released SuccessfullyVAB-ECA.22Failed in External DDAVAB-ECA.23Virtual Account is not mapped to Real AccountVAB-ECA.24Expiry Date cannot be less than Value dateVAB-ECA.25TxnAmount and Approved Amount are not sameVAB-ECA.26Updated Released Amount SuccessfullyVAB-ECA.27Released Amount SuccessfullyVAB-ECA.28BlockRef number is already locked by \$1 ProcessReference numberVAB-ECA.30Transaction Request to ECA is EmptyVAB-ECA.31Valid Value DateVAB-ECA.33Cannot be Lock/Released as the record is unauthorizedVAB-ECA.34One of Requested ECA BlockReference does not exists in Vab tableVAB-ECA.35Already Unlocked as Part of Compensation of Lock and Release<br>Amount BlockVAB-ECA.36Combination of Virtual Account and ECA Block Ref does not exists in<br>the VAB details tableVAB-ECA.39Roll back the call External DDA of close ECAVAB-ECA.39Roll back the call External DDA of close ECAVAB-ECA.39 </td <td>VAB-ECA-12</td> <td>Record does not Exist</td>   | VAB-ECA-12 | Record does not Exist  |
| VAB-ECA-15Record already authorizedVAB-ECA-16Maker cannot authorizeVAB-ECA-17Record Successfully AuthorizedVAB-ECA-18Record does not ExistVAB-ECA-19Cannot be Released as the Amount Block is unauthorizedVAB-ECA-20Record is already releasedVAB-ECA-21Record Released SuccessfullyVAB-ECA-22Failed in External DDAVAB-ECA-23Virtual Account is not mapped to Real AccountVAB-ECA-24Expiry Date cannot be less than Value dateVAB-ECA-25TxnAmount and Approved Amount are not sameVAB-ECA-26Updated Released Amount SuccessfullyVAB-ECA-28BlockRef number is already locked by \$1 ProcessReference numberVAB-ECA-30Transaction Request to ECA is EmptyVAB-ECA-31Valid Value DateVAB-ECA-33Cannot be Lock/Released as the record is unauthorizedVAB-ECA-34One of Requested ECA BlockReference does not exists in Vab tableVAB-ECA-35Aiready Unlocked as Part of Compensation of Lock and Release<br>Amount BlockVAB-ECA-38Aiready Unlocked as Part of Compensation of Lock and Release<br>Amount BlockVAB-ECA-39Roll back the call External DDA of close ECAVAB-ECA-39Roll back the call External DDA of close ECAVAB-ECA-34Block Date is semptyVAB-ECA-35Aiready locked by some other Block Reference NumbersVAB-ECA-36Combination of Virtual Account and ECA BlockRefNoVAB-ECA-36Combination of Virtual Account and ECAVAB-ECA-39Roll back the call External DDA of close ECA <td< td=""><td>VAB-ECA-13</td><td>Failed to update balance</td></td<>                              | VAB-ECA-13 | Failed to update balance   |
| VAB-ECA-16Maker cannot authorizeVAB-ECA-17Record Successfully AuthorizedVAB-ECA-18Record does not ExistVAB-ECA-19Cannot be Released as the Amount Block is unauthorizedVAB-ECA-20Record is already releasedVAB-ECA-21Record Released SuccessfullyVAB-ECA-22Failed in External DDAVAB-ECA-23Virtual Account is not mapped to Real AccountVAB-ECA-24Expiry Date cannot be less than Value dateVAB-ECA-25TxnAmount and Approved Amount are not sameVAB-ECA-26Updated Released Amount SuccessfullyVAB-ECA-27Released Amount cannot be greater than Approved AmountVAB-ECA-28BlockRef number is already locked by \$1 ProcessReference numberVAB-ECA-29Requested ECA References does not exists in DatabaseVAB-ECA-30Transaction Request to ECA is EmptyVAB-ECA-31Valid Value DateVAB-ECA-32Rolled back the Locked and Released Blocked AmountsVAB-ECA-33Cannot be Lock/Released as the record is unauthorizedVAB-ECA-34One of Requested ECA BlockReference does not exists in Vab tableVAB-ECA-35Already Unlocked as Part of Compensation of Lock and ReleaseVAB-ECA-38Already locked by some other Block Reference NumbersVAB-ECA-39Relt DDAECCAReferenceNumber based on BlockRefNoVAB-ECA-39Roll back the call External DDA of close ECAVAB-ECA-34Block Details list is emptyVAB-ECA-34Block Date should be same as Application date and Application date is \$1  | VAB-ECA-14 | Key Id is null   |
| VAB-ECA-17Record Successfully AuthorizedVAB-ECA-18Record does not ExistVAB-ECA-19Cannot be Released as the Amount Block is unauthorizedVAB-ECA-20Record is already releasedVAB-ECA-21Record Released SuccessfullyVAB-ECA-22Failed in External DDAVAB-ECA-23Virtual Account is not mapped to Real AccountVAB-ECA-24Expiry Date cannot be less than Value dateVAB-ECA-25TxnAmount and Approved Amount are not sameVAB-ECA-26Updated Released Amount SuccessfullyVAB-ECA-27Released Amount cannot be greater than Approved AmountVAB-ECA-28BlockRef number is already locked by \$1 ProcessReference numberVAB-ECA-30Transaction Request to ECA is EmptyVAB-ECA-31Valid Value DateVAB-ECA-33Cannot be Lock/Released as the record is unauthorizedVAB-ECA-34One of Requested ECA BlockReference does not exists in Vab tableVAB-ECA-35Already Unlocked as Part of Compensation of Lock and ReleaseVAB-ECA-36Combination of Virtual Account and ECA Block Ref does not exists in the VAB details tableVAB-ECA-36Already Unlocked as Part of Compensation of Lock and ReleaseVAB-ECA-36Combination of Virtual Account and ECA Block Ref MooVAB-ECA-39Retched DDAECAReferenceNumber based on BlockRefNoVAB-ECA-38Already locked by some other Block Reference NumbersVAB-ECA-38Already locked by some other Block Reference NumbersVAB-ECA-39Roll back the call External DDA of close ECAVAB-ECA-30Block Details list is empty </td <td>VAB-ECA-15</td> <td>Record already authorized</td> | VAB-ECA-15 | Record already authorized  |
| VAB-ECA-18Record does not ExistVAB-ECA-19Cannot be Released as the Amount Block is unauthorizedVAB-ECA-20Record is already releasedVAB-ECA-21Record Released SuccessfullyVAB-ECA-22Failed in External DDAVAB-ECA-23Virtual Account is not mapped to Real AccountVAB-ECA-24Expiry Date cannot be less than Value dateVAB-ECA-25TxnAmount and Approved Amount are not sameVAB-ECA-26Updated Released Amount SuccessfullyVAB-ECA-27Released Amount cannot be greater than Approved AmountVAB-ECA-28BlockRef number is already locked by \$1 ProcessReference numberVAB-ECA-29Requested ECA References does not exists in DatabaseVAB-ECA-30Transaction Request to ECA is EmptyVAB-ECA-31Valid Value DateVAB-ECA-32Rolled back the Locked and Released Blocked AmountsVAB-ECA-33Cannot be Lock/Released as the record is unauthorizedVAB-ECA-34One of Requested ECA BlockReference does not exists in Vab tableVAB-ECA-35Already Unlocked as Part of Compensation of Lock and Release<br>Amount BlockVAB-ECA-36Combination of Virtual Account and ECA Block Ref does not exists in<br>the VAB details tableVAB-ECA-33Already locked by some other Block Reference NumbersVAB-ECA-34Block Details list is emptyVAB-ECA-34Block Details list is emptyVAB-ECA-40Block Date should be same as Application date and Application date<br>is \$1   | VAB-ECA-16 | Maker cannot authorize   |
| VAB-ECA-19Cannot be Released as the Amount Block is unauthorizedVAB-ECA-20Record is already releasedVAB-ECA-21Record Released SuccessfullyVAB-ECA-22Failed in External DDAVAB-ECA-23Virtual Account is not mapped to Real AccountVAB-ECA-24Expiry Date cannot be less than Value dateVAB-ECA-25TxnAmount and Approved Amount are not sameVAB-ECA-26Updated Released Amount SuccessfullyVAB-ECA-27Released Amount cannot be greater than Approved AmountVAB-ECA-28BlockRef number is already locked by \$1 ProcessReference numberVAB-ECA-29Requested ECA References does not exists in DatabaseVAB-ECA-30Transaction Request to ECA is EmptyVAB-ECA-31Valid Value DateVAB-ECA-32Rolled back the Locked and Released Blocked AmountsVAB-ECA-33Cannot be Lock/Released as the record is unauthorizedVAB-ECA-34One of Requested ECA BlockReference does not exists in Vab tableVAB-ECA-35Already Uhlocked as Part of Compensation of Lock and Release<br>Amount BlockVAB-ECA-37Fetched DDAECAReferenceNumbder based on BlockRefNoVAB-ECA-38Already locked by some other Block Reference NumbersVAB-ECA-39Roll back the call External DDA of close ECAVAB-ECA-40Block Details list is emptyVAB-ECA-41Effective Date should be same as Application date and Application date is \$1  | VAB-ECA-17 | Record Successfully Authorized   |
| VAB-ECA-20Record is already releasedVAB-ECA-21Record Released SuccessfullyVAB-ECA-22Failed in External DDAVAB-ECA-23Virtual Account is not mapped to Real AccountVAB-ECA-24Expiry Date cannot be less than Value dateVAB-ECA-25TxnAmount and Approved Amount are not sameVAB-ECA-26Updated Released Amount SuccessfullyVAB-ECA-27Released Amount cannot be greater than Approved AmountVAB-ECA-28BlockRef number is already locked by \$1 ProcessReference numberVAB-ECA-29Requested ECA References does not exists in DatabaseVAB-ECA-30Transaction Request to ECA is EmptyVAB-ECA-31Valid Value DateVAB-ECA-32Rolled back the Locked and Released Blocked AmountsVAB-ECA-33Cannot be Lock/Released as the record is unauthorizedVAB-ECA-34One of Requested ECA BlockReference does not exists in Vab tableVAB-ECA-35Already Unlocked as Part of Compensation of Lock and Release<br>Amount BlockVAB-ECA-37Fetched DDAECAReferenceNumbder based on BlockRefNoVAB-ECA-38Already Iocked by some other Block Reference NumbersVAB-ECA-39Roll back the call External DDA of close ECAVAB-ECA-40Block Details list is emptyVAB-ECA-41Effective Date should be same as Application date and Application date is \$1  | VAB-ECA-18 | Record does not Exist  |
| VAB-ECA-21Record Released SuccessfullyVAB-ECA-22Failed in External DDAVAB-ECA-23Virtual Account is not mapped to Real AccountVAB-ECA-24Expiry Date cannot be less than Value dateVAB-ECA-25TxnAmount and Approved Amount are not sameVAB-ECA-26Updated Released Amount SuccessfullyVAB-ECA-27Released Amount cannot be greater than Approved AmountVAB-ECA-28BlockRef number is already locked by \$1 ProcessReference numberVAB-ECA-29Requested ECA References does not exists in DatabaseVAB-ECA-30Transaction Request to ECA is EmptyVAB-ECA-31Valid Value DateVAB-ECA-32Rolled back the Locked and Released Blocked AmountsVAB-ECA-33Cannot be Lock/Released as the record is unauthorizedVAB-ECA-35Already Unlocked as Part of Compensation of Lock and Release<br>Amount BlockVAB-ECA-36Combination of Virtual Account and ECA Block Ref does not exists in<br>the VAB details tableVAB-ECA-39Roll back the call External DDA of close ECAVAB-ECA-39Roll back the call External DDA of close ECAVAB-ECA-41Effective Date should be same as Application date and Application date<br>is \$1  | VAB-ECA-19 | Cannot be Released as the Amount Block is unauthorized                 |
| VAB-ECA-22Failed in External DDAVAB-ECA-23Virtual Account is not mapped to Real AccountVAB-ECA-24Expiry Date cannot be less than Value dateVAB-ECA-25TxnAmount and Approved Amount are not sameVAB-ECA-26Updated Released Amount SuccessfullyVAB-ECA-27Released Amount cannot be greater than Approved AmountVAB-ECA-28BlockRef number is already locked by \$1 ProcessReference numberVAB-ECA-29Requested ECA References does not exists in DatabaseVAB-ECA-30Transaction Request to ECA is EmptyVAB-ECA-31Valid Value DateVAB-ECA-32Rolled back the Locked and Released Blocked AmountsVAB-ECA-33Cannot be Lock/Released as the record is unauthorizedVAB-ECA-35Already Unlocked as Part of Compensation of Lock and Release<br>Amount BlockVAB-ECA-36Combination of Virtual Account and ECA Block Ref does not exists in<br>the VAB details tableVAB-ECA-39Roll back the call External DDA of close ECAVAB-ECA-39Roll back the call External DDA of close ECAVAB-ECA-40Block Details list is emptyVAB-ECA-41Effective Date should be same as Application date and Application date<br>is \$1   | VAB-ECA-20 | Record is already released   |
| VAB-ECA-23Virtual Account is not mapped to Real AccountVAB-ECA-24Expiry Date cannot be less than Value dateVAB-ECA-25TxnAmount and Approved Amount are not sameVAB-ECA-26Updated Released Amount SuccessfullyVAB-ECA-27Released Amount cannot be greater than Approved AmountVAB-ECA-28BlockRef number is already locked by \$1 ProcessReference numberVAB-ECA-29Requested ECA References does not exists in DatabaseVAB-ECA-30Transaction Request to ECA is EmptyVAB-ECA-31Valid Value DateVAB-ECA-32Rolled back the Locked and Released Blocked AmountsVAB-ECA-33Cannot be Lock/Released as the record is unauthorizedVAB-ECA-34One of Requested ECA BlockReference does not exists in Vab tableVAB-ECA-35Already Unlocked as Part of Compensation of Lock and Release<br>Amount BlockVAB-ECA-37Fetched DDAECAReferenceNumbder based on BlockRefNoVAB-ECA-38Already locked by some other Block Reference NumbersVAB-ECA-39Roll back the call External DDA of close ECAVAB-ECA-40Block Details list is emptyVAB-ECA-41Effective Date should be same as Application date and Application date<br>is \$1   | VAB-ECA-21 | Record Released Successfully   |
| VAB-ECA-24Expiry Date cannot be less than Value dateVAB-ECA-25TxnAmount and Approved Amount are not sameVAB-ECA-26Updated Released Amount SuccessfullyVAB-ECA-27Released Amount cannot be greater than Approved AmountVAB-ECA-28BlockRef number is already locked by \$1 ProcessReference numberVAB-ECA-29Requested ECA References does not exists in DatabaseVAB-ECA-30Transaction Request to ECA is EmptyVAB-ECA-31Valid Value DateVAB-ECA-32Rolled back the Locked and Released Blocked AmountsVAB-ECA-33Cannot be Lock/Released as the record is unauthorizedVAB-ECA-34One of Requested ECA BlockReference does not exists in Vab tableVAB-ECA-35Already Unlocked as Part of Compensation of Lock and Release<br>Amount BlockVAB-ECA-36Combination of Virtual Account and ECA BlockRef does not exists in<br>the VAB details tableVAB-ECA-33Already locked by some other Block Reference NumbersVAB-ECA-39Roll back the call External DDA of close ECAVAB-ECA-40Block Details list is emptyVAB-ECA-41Effective Date should be same as Application date and Application date<br>is \$1   | VAB-ECA-22 | Failed in External DDA   |
| VAB-ECA-24Expiry Date cannot be less than Value dateVAB-ECA-25TxnAmount and Approved Amount are not sameVAB-ECA-26Updated Released Amount SuccessfullyVAB-ECA-27Released Amount cannot be greater than Approved AmountVAB-ECA-28BlockRef number is already locked by \$1 ProcessReference numberVAB-ECA-29Requested ECA References does not exists in DatabaseVAB-ECA-30Transaction Request to ECA is EmptyVAB-ECA-31Valid Value DateVAB-ECA-32Rolled back the Locked and Released Blocked AmountsVAB-ECA-33Cannot be Lock/Released as the record is unauthorizedVAB-ECA-34One of Requested ECA BlockReference does not exists in Vab tableVAB-ECA-35Already Unlocked as Part of Compensation of Lock and Release<br>Amount BlockVAB-ECA-37Fetched DDAECAReferenceNumbder based on BlockRefNoVAB-ECA-38Already locked by some other Block Reference NumbersVAB-ECA-39Roll back the call External DDA of close ECAVAB-ECA-40Block Details list is emptyVAB-ECA-41Effective Date should be same as Application date and Application date is \$1   | VAB-ECA-23 | Virtual Account is not mapped to Real Account                          |
| VAB-ECA-25TxnAmount and Approved Amount are not sameVAB-ECA-26Updated Released Amount SuccessfullyVAB-ECA-27Released Amount cannot be greater than Approved AmountVAB-ECA-28BlockRef number is already locked by \$1 ProcessReference numberVAB-ECA-29Requested ECA References does not exists in DatabaseVAB-ECA-30Transaction Request to ECA is EmptyVAB-ECA-31Valid Value DateVAB-ECA-32Rolled back the Locked and Released Blocked AmountsVAB-ECA-33Cannot be Lock/Released as the record is unauthorizedVAB-ECA-34One of Requested ECA BlockReference does not exists in Vab tableVAB-ECA-35Already Unlocked as Part of Compensation of Lock and Release<br>Amount BlockVAB-ECA-36Combination of Virtual Account and ECA Block Ref does not exists in<br>the VAB details tableVAB-ECA-39Roll back the call External DDA of close ECAVAB-ECA-40Block Details list is emptyVAB-ECA-41Effective Date should be same as Application date and Application date<br>is \$1  | VAB-ECA-24 |  |
| VAB-ECA-26Updated Released Amount SuccessfullyVAB-ECA-27Released Amount cannot be greater than Approved AmountVAB-ECA-28BlockRef number is already locked by \$1 ProcessReference numberVAB-ECA-29Requested ECA References does not exists in DatabaseVAB-ECA-30Transaction Request to ECA is EmptyVAB-ECA-31Valid Value DateVAB-ECA-32Rolled back the Locked and Released Blocked AmountsVAB-ECA-33Cannot be Lock/Released as the record is unauthorizedVAB-ECA-34One of Requested ECA BlockReference does not exists in Vab tableVAB-ECA-35Already Unlocked as Part of Compensation of Lock and Release<br>Amount BlockVAB-ECA-36Combination of Virtual Account and ECA Block Ref does not exists in<br>the VAB details tableVAB-ECA-38Already locked by some other Block Reference NumbersVAB-ECA-39Roll back the call External DDA of close ECAVAB-ECA-40Block Details list is emptyVAB-ECA-41Effective Date should be same as Application date and Application date<br>is \$1  | VAB-ECA-25 |  |
| VAB-ECA-28BlockRef number is already locked by \$1 ProcessReference numberVAB-ECA-29Requested ECA References does not exists in DatabaseVAB-ECA-30Transaction Request to ECA is EmptyVAB-ECA-31Valid Value DateVAB-ECA-32Rolled back the Locked and Released Blocked AmountsVAB-ECA-33Cannot be Lock/Released as the record is unauthorizedVAB-ECA-34One of Requested ECA BlockReference does not exists in Vab tableVAB-ECA-35Already Unlocked as Part of Compensation of Lock and Release<br>Amount BlockVAB-ECA-36Combination of Virtual Account and ECA Block Ref does not exists in<br>the VAB details tableVAB-ECA-38Already locked by some other Block Reference NumbersVAB-ECA-39Roll back the call External DDA of close ECAVAB-ECA-40Block Details list is emptyVAB-ECA-41Effective Date should be same as Application date and Application date<br>is \$1  | VAB-ECA-26 |  |
| VAB-ECA-29Requested ECA References does not exists in DatabaseVAB-ECA-30Transaction Request to ECA is EmptyVAB-ECA-31Valid Value DateVAB-ECA-32Rolled back the Locked and Released Blocked AmountsVAB-ECA-33Cannot be Lock/Released as the record is unauthorizedVAB-ECA-34One of Requested ECA BlockReference does not exists in Vab tableVAB-ECA-35Already Unlocked as Part of Compensation of Lock and Release<br>Amount BlockVAB-ECA-36Combination of Virtual Account and ECA Block Ref does not exists in<br>the VAB details tableVAB-ECA-37Fetched DDAECAReferenceNumbder based on BlockRefNoVAB-ECA-38Already locked by some other Block Reference NumbersVAB-ECA-40Block Details list is emptyVAB-ECA-41Effective Date should be same as Application date and Application date<br>is \$1  | VAB-ECA-27 | · · · · · · · · · · · · · · · · · · ·                                  |
| VAB-ECA-30Transaction Request to ECA is EmptyVAB-ECA-31Valid Value DateVAB-ECA-32Rolled back the Locked and Released Blocked AmountsVAB-ECA-33Cannot be Lock/Released as the record is unauthorizedVAB-ECA-34One of Requested ECA BlockReference does not exists in Vab tableVAB-ECA-35Already Unlocked as Part of Compensation of Lock and Release<br>Amount BlockVAB-ECA-36Combination of Virtual Account and ECA Block Ref does not exists in<br>the VAB details tableVAB-ECA-37Fetched DDAECAReferenceNumbder based on BlockRefNoVAB-ECA-38Already locked by some other Block Reference NumbersVAB-ECA-40Block Details list is emptyVAB-ECA-41Effective Date should be same as Application date and Application date<br>is \$1  | VAB-ECA-28 | BlockRef number is already locked by \$1 ProcessReference number       |
| VAB-ECA-31Valid Value DateVAB-ECA-32Rolled back the Locked and Released Blocked AmountsVAB-ECA-32Cannot be Lock/Released as the record is unauthorizedVAB-ECA-33Cannot be Lock/Released as the record is unauthorizedVAB-ECA-34One of Requested ECA BlockReference does not exists in Vab tableVAB-ECA-35Already Unlocked as Part of Compensation of Lock and Release<br>Amount BlockVAB-ECA-36Combination of Virtual Account and ECA Block Ref does not exists in<br>the VAB details tableVAB-ECA-37Fetched DDAECAReferenceNumbder based on BlockRefNoVAB-ECA-38Already locked by some other Block Reference NumbersVAB-ECA-39Roll back the call External DDA of close ECAVAB-ECA-40Block Details list is emptyVAB-ECA-41Effective Date should be same as Application date and Application date<br>is \$1  | VAB-ECA-29 | Requested ECA References does not exists in Database                   |
| VAB-ECA-32Rolled back the Locked and Released Blocked AmountsVAB-ECA-32Cannot be Lock/Released as the record is unauthorizedVAB-ECA-33One of Requested ECA BlockReference does not exists in Vab tableVAB-ECA-34One of Requested ECA BlockReference does not exists in Vab tableVAB-ECA-35Already Unlocked as Part of Compensation of Lock and Release<br>Amount BlockVAB-ECA-36Combination of Virtual Account and ECA Block Ref does not exists in<br>the VAB details tableVAB-ECA-37Fetched DDAECAReferenceNumbder based on BlockRefNoVAB-ECA-38Already locked by some other Block Reference NumbersVAB-ECA-39Roll back the call External DDA of close ECAVAB-ECA-40Block Details list is emptyVAB-ECA-41Effective Date should be same as Application date and Application date<br>is \$1   | VAB-ECA-30 | Transaction Request to ECA is Empty                                    |
| VAB-ECA-33Cannot be Lock/Released as the record is unauthorizedVAB-ECA-34One of Requested ECA BlockReference does not exists in Vab tableVAB-ECA-35Already Unlocked as Part of Compensation of Lock and Release<br>Amount BlockVAB-ECA-36Combination of Virtual Account and ECA Block Ref does not exists in<br>the VAB details tableVAB-ECA-37Fetched DDAECAReferenceNumbder based on BlockRefNoVAB-ECA-38Already locked by some other Block Reference NumbersVAB-ECA-39Roll back the call External DDA of close ECAVAB-ECA-41Effective Date should be same as Application date and Application date<br>is \$1   | VAB-ECA-31 | Valid Value Date   |
| VAB-ECA-34One of Requested ECA BlockReference does not exists in Vab tableVAB-ECA-35Already Unlocked as Part of Compensation of Lock and Release<br>Amount BlockVAB-ECA-36Combination of Virtual Account and ECA Block Ref does not exists in<br>the VAB details tableVAB-ECA-37Fetched DDAECAReferenceNumbder based on BlockRefNoVAB-ECA-38Already locked by some other Block Reference NumbersVAB-ECA-39Roll back the call External DDA of close ECAVAB-ECA-40Block Details list is emptyVAB-ECA-41Effective Date should be same as Application date and Application date<br>is \$1   | VAB-ECA-32 | Rolled back the Locked and Released Blocked Amounts                    |
| VAB-ECA-35Already Unlocked as Part of Compensation of Lock and Release<br>Amount BlockVAB-ECA-36Combination of Virtual Account and ECA Block Ref does not exists in<br>the VAB details tableVAB-ECA-37Fetched DDAECAReferenceNumbder based on BlockRefNoVAB-ECA-38Already locked by some other Block Reference NumbersVAB-ECA-39Roll back the call External DDA of close ECAVAB-ECA-40Block Details list is emptyVAB-ECA-41Effective Date should be same as Application date and Application date<br>is \$1   | VAB-ECA-33 | Cannot be Lock/Released as the record is unauthorized                  |
| Amount BlockVAB-ECA-36Combination of Virtual Account and ECA Block Ref does not exists in<br>the VAB details tableVAB-ECA-37Fetched DDAECAReferenceNumbder based on BlockRefNoVAB-ECA-38Already locked by some other Block Reference NumbersVAB-ECA-39Roll back the call External DDA of close ECAVAB-ECA-40Block Details list is emptyVAB-ECA-41Effective Date should be same as Application date and Application date<br>is \$1   | VAB-ECA-34 | One of Requested ECA BlockReference does not exists in Vab table       |
| the VAB details tableVAB-ECA-37Fetched DDAECAReferenceNumbder based on BlockRefNoVAB-ECA-38Already locked by some other Block Reference NumbersVAB-ECA-39Roll back the call External DDA of close ECAVAB-ECA-40Block Details list is emptyVAB-ECA-41Effective Date should be same as Application date and Application date<br>is \$1  | VAB-ECA-35 |  |
| VAB-ECA-38Already locked by some other Block Reference NumbersVAB-ECA-39Roll back the call External DDA of close ECAVAB-ECA-40Block Details list is emptyVAB-ECA-41Effective Date should be same as Application date and Application date is \$1  | VAB-ECA-36 |  |
| VAB-ECA-39Roll back the call External DDA of close ECAVAB-ECA-40Block Details list is emptyVAB-ECA-41Effective Date should be same as Application date and Application date<br>is \$1   | VAB-ECA-37 | Fetched DDAECAReferenceNumbder based on BlockRefNo                     |
| VAB-ECA-40Block Details list is emptyVAB-ECA-41Effective Date should be same as Application date and Application date<br>is \$1   | VAB-ECA-38 | Already locked by some other Block Reference Numbers                   |
| VAB-ECA-41 Effective Date should be same as Application date and Application date is \$1  | VAB-ECA-39 | Roll back the call External DDA of close ECA                           |
| VAB-ECA-41 Effective Date should be same as Application date and Application date is \$1  | VAB-ECA-40 | Block Details list is empty  |
|   | VAB-ECA-41 | Effective Date should be same as Application date and Application date |
|   | VAB-ECA-42 |  |
| VAB-ECA-43 Rollback the authorized Regulatory Block Type due to Failure   |            |  |
| VAB-ECA-44 Rolled back the release flow of Amount Block   |            |  |

Table A-1 (Cont.) List of Error Codes



| Table A-1 | (Cont.) List of Error Codes |
|-----------|-----------------------------|
|           |                             |

| Error Code  | Description   |
|-------------|---|
|             | Description   |
| VAB-ECA-45  | Record Successfully Saved and Authorized  |
| VAB-ECA-46  | Failed to update balance in VAM   |
| VAB-ECA-47  | Currency URL building has failed, so Currency Conversion failed   |
| VAB-ECA-48  | Currency Conversion amount and rate is null   |
| VAB-ECA-49  | Create ECA of EDA Failed and also failed to rollback the balance of<br>Create Block   |
| VAB-ECA-50  | Authorize of Block failed and also failed to roll back balance  |
| VAB-ECA-51  | Close ECA of EDA failed and also Failed to roll back the balance of release Block   |
| VAB-ECA-52  | Record Successfully Approved from Amount Queue  |
| VAB-ECA-53  | Data Merged successfully in the User Queue  |
| VAB-ECA-54  | Updated Transaction status successfully without new Exchange Rate   |
| VAB-ECA-55  | Rate Code and Rate Type details are empty fetched from VAM Branch Parameter   |
| VAB-ECA-57  | Record cannot be authorized Until Amount Block Queue is Approved  |
| VAB-ECA-58  | Amount Block Queue cannot be Approved before updating exchange rate   |
| VAB-ECA-59  | Invalid virtual account \$1   |
| VAB-ECA-60  | If Requested amount in Virtual Account currency is given, then<br>Exchange rate between Block Currency and Virtual Account currency is<br>mandatory |
| VAB-ECA-61  | If Exchange rate between Block Currency and Virtual Account currency is given, Requested amount in Virtual Account currency is mandatory            |
| VAB-ECA-62  | The amount to be released is greater than approved amount   |
| VAB-ECA-63  | Transaction currency and block currency for the provided ECA reference number is different  |
| VAB-ECA-64  | During full release, txn amount must be equal to outstanding amount   |
| VAB-ECA-65  | Record with the Block reference No not found  |
| VAB-ECA-66  | Rolled Back release ECA due to failure in auto-authorization  |
| VAB-ECA-67  | Rolled Back create ECA due to failure in auto-auth  |
| VAB-ECA-68  | \$1 account is in unauthorized state  |
| VAB-ECA-69  | \$1 account is not in open status   |
| VAB-ECA-70  | \$1 account is frozen   |
| VAB-ECA-71  | Debits are not allowed on \$1 account   |
| VAB-ECA-72  | \$1 account is not in Active status   |
| VAB-ECA-74  | \$1 account does not have a real account mapped   |
| VAB-ECA-75  | EAC failed  |
| VAB-ECA-80  | Amount block queue is already approved  |
| VAB-ECA-81  | Transaction Status is not in Pending status in Block Queue  |
| VAI-INT-01  | Transaction Account and Offset Account cannot be the same   |
| VAI-INT-02  | Invalid Transaction Code  |
| VAI-INT-03  | Invalid Offset Transaction Code   |
| VAI-INT-034 | Transaction Rolled Back due to failure  |
| VAI-INT-04  | Authorized record cannot be deleted   |
| VAI-INT-05  | Record does not Exist   |



| Error Code   | Description   |
|--------------|---|
| VAI-INT-06   | Key Id is null  |
| VAI-INT-07   | Record already authorized                               |
| VAI-INT-08   | Maker cannot authorize                                  |
| VAI-INT-09   | Cannot be Reversed as the txn is unauthorized           |
| VAI-INT-10   | Record Already reversed                                 |
| VAI-INT-11   | Transaction Currency and Offset Currency must be same   |
| VAI-INT-12   | Please Authorize the new record                         |
| VAI-INT-13   | Already reversed record cannot be reversed              |
| VAI-INT-14   | Only maker can delete the Record                        |
| VAI-INT-15   | Record Successfully Reversed                            |
| VAI-INT-16   | Record Successfully Authorized                          |
| VAI-INT-17   | Record deleted successfully                             |
| VAI-INT-18   | Failed during update balance                            |
| VAI-INT-19   | Invalid Currency \$1                                    |
| VAI-INT-20   | Real Customer No does not Exist                         |
| VAI-INT-21   | \$1 Branch Code is not Valid                            |
| VAI-INT-22   | Request is Null. Please Resend with Proper Values       |
| VAI-INT-23   | Record Saved Successfully                               |
| VAI-INT-24   | Failed during Statement update                          |
| VAI-INT-25   | Virtual Accounts doesn't belong to same real Account    |
| VAI-INT-26   | Exception occurred during Account Check                 |
| VAI-INT-27   | Invalid Source Code \$1                                 |
| VAI-INT-30   | Booking date is different from Current Application date |
| VAI-INT-31   | Booking date is not in the required format              |
| VAM-EAC-001  | \$1 account is in unauthorized state                    |
| VAM-EAC-002  | \$1 account is not in open status                       |
| VAM-EAC-003  | \$1 account is frozen                                   |
| VAM-EAC-004  | Credits are not allowed on \$1 account                  |
| VAM-EAC-005  | Debits are not allowed on \$1 account                   |
| VAM-EAC-006  | \$1 account is not in Active status                     |
| VAM-EAC-007  | \$1 transaction code is not allowed for \$2             |
| VAM-EAC-008  | EAC is success fpr \$1                                  |
| VAT-EAC-001  | EAC is success for \$1                                  |
| VAT-EAC-010  | Call for Account Check failed                           |
| VAT-EIC-001  | EIC is success for \$1                                  |
| VAT-EXAC-001 | External Account Check failed                           |
| VAT-INT-033  | Failed in interacting with VAM domain                   |
| VAT-INT-037  | Failed in interacting with VAS domain                   |
| VAT-JNOL-001 | Invalid value \$1 for transaction branch                |
| VAT-JNOL-002 | Invalid value \$1 for transaction currency              |
| VAT-JNOL-003 | Invalid value \$1 for transaction code                  |
| VAT-JNOL-004 | Invalid value \$1 for DDA Offset number                 |
| VAT-JNOL-005 | Invalid value \$1 for Source Code                       |

| Table A-1 | (Cont.) List of E | rror Codes |
|-----------|-------------------|------------|
|           |                   |            |



| Error Code   |  |
|--------------|--|
|              | Description  |
| VAT-JNOL-006 | Reversal is not allowed for transactions with ECA reference number                                   |
| VAT-JNOL-007 | Currency URL building has failed, so transaction save failed   |
| VAT-JNOL-008 | Currency amount and rate is null for \$1 and \$2   |
| VAT-JNOL-010 | Please login into the transction posted branch for doing any operations on the same                  |
| VAT-JNOL-011 | Saved and authorized successfully  |
| VAT-JNOL-012 | The request sent for transaction posting can not be null   |
| VAT-JNOL-013 | Transaction with \$1 ID doesnt exist   |
| VAT-JNOL-016 | Transaction successfully deleted   |
| VAT-JNOL-017 | Transaction successfully authorized  |
| VAT-JNOL-018 | Transaction is not in unauthorized state   |
| VAT-JNOL-019 | Transaction persistance failed   |
| VAT-JNOL-020 | Transaction successfully saved   |
| VAT-JNOL-021 | \$1 transaction has been reversed already  |
| VAT-JNOL-022 | Transaction successfully reversed  |
| VAT-JNOL-023 | Authorise the reversal transaction not the original transaction                                      |
| VAT-JNOL-024 | This transaction was created by reversal hence should not be reversed                                |
| VAT-JNOL-025 | Only maker can delete a transaction  |
| VAT-JNOL-026 | Maker and checker cannot be same   |
| VAT-JNOL-027 | Failed in interacting with VAI domain  |
| VAT-JNOL-028 | Failed in interacting with VAM domain  |
| VAT-JNOL-029 | Failed in interacting with EDA domain  |
| VAT-JNOL-031 | Transaction Rolled Back due to failure   |
| VAT-JNOL-032 | Booking date defaulted to current Application date   |
| VAT-JNOL-033 | ECA reference number should not be given for credit transactions                                     |
| VAT-JNOL-034 | Failed in interacting with ECA domain  |
| VAT-JNOL-035 | ECA reference number should not be given for identifier based transactions                           |
| VAT-JNOL-036 | Booking date and Application date are different  |
| VAT-JNOL-037 | Failed in interacting with VAS domain  |
| VAT-JNOL-038 | Account currency entered is different from actual account currency                                   |
| VAT-JNOL-039 | Failed in fetching branch status   |
| VAT-JNOL-040 | Skip DDA Entries flag should not be set for identifier transactions                                  |
| VAT-JNOL-041 | Block reference number should not be sent for transactions which are not being posting to DDA system |
| VAT-JNOL-042 | If exchange rate is given, then Amount in virtual account currency is mandatory                      |
| VAT-JNOL-043 | If Amount in virtual account currency is given, then exchange rate is mandatory                      |
| VAT-JNOL-044 | Record Successfully Updated  |
| VAT-JNOL-045 | Record Updation Failed   |
| VAT-JNOL-046 | Record Successfully Authorized   |
| VAT-JNOL-047 | Authorization Failed   |
| VAT-JNOL-048 | User rate queue of Transaction with \$1 ID should get Authorize First                                |

Table A-1 (Cont.) List of Error Codes



| Table A-1 | (Cont.) List of Error Codes |
|-----------|-----------------------------|
| Table A-1 |                             |

| Error Code   | Description  |
|--------------|--|
| VAT-JNOL-049 | User cannot Authorize Exchange rate queue record before Accepting the Exchange Rate                |
| VAT-JNOL-050 | If exchange rate for DDA local ccy amount is given, then Amount in DDA local currency is mandatory |
| VAT-JNOL-051 | Approved record cannot be modify   |
| VAT-JNOL-052 | Transaction details cannot be empty while posting a transaction                                    |
| VAT-JNOL-055 | If Amount in DDA local currency is given, then exchange rate for DDA local ccy amount is mandatory |
| VAT-JNOL-057 | Branch is not maintained in VAM  |
| VAT-JNOL-070 | Given input is not a valid virtual account/IBAN/identifier   |
| VAT-JNOL-071 | Transaction Branch is mandatory for Identifier Real account fetch                                  |
| VAT-JNOL-072 | VirtualAccountIdentifier is a mandatory input  |
| VAT-JNOL-073 | Successfully Fetched real account  |
| VAT-JNOL-074 | Account Branch entered is different from actual account branch                                     |
| VAM-ACCK-013 | Transaction not allowed for virtual account \$1 as account closure initiated for the same          |
| VAM-ACCK-004 | Credits are not allowed on \$1 account   |
| VAM-ACCK-005 | Debits are not allowed on \$1 account  |
| VAM-ACCK-006 | \$1 account is not in Active status  |
| VAM-ACCK-007 | \$1 transaction code is not allowed for \$2  |
| VAM-ACCK-008 | EAC is success for \$1   |
| VAM-ACCK-009 | \$1 account doesnt have a real account mapped  |
| VAM-ACCK-010 | EAC failed   |
| VAM-ACCK-011 | Invalid Virtual Account \$1  |
| VAM-ACCK-012 | KYC Status is \$1 for Virtual Entity \$2   |
| VAM-ACCK-014 | Account is not mapped to Real Account Number   |
| EDA-REV-001  | Record already reversed  |
| EDA-REV-002  | Reverse failed with exception  |
| EDA-REV-003  | Record Successfully Reversed   |
| EDA-REV-004  | Reverse Transaction in OBVAM Failed  |
| EDA-REV-005  | Reverse Transaction in DDA Failed  |
| EDA-REV-006  | Failed to call Transaction Journal Service   |
| EDA-REV-007  | Returning Success as there are no records to reverse   |
| EDA-VAT-001  | Transaction Rolled Back due to failure   |
| EDA-EAC-001  | Account is Valid   |
| EDA-EAC-002  | Real account check failed in \$1 source system   |
| EDA-EAC-003  | Real account details for \$1 are not maintained in Common core<br>Accounts                         |
| EDA-EAC-004  | Source system is null for one of the Real accounts in VAC  |
| EDA-EAC-005  | Multi DDA Transactions are not allowed   |
| EDA-EAC-006  | EacRequiredFlag is N hence External Account check skipped  |
| EDA-ECA-001  | \$1 Source Code is not configured  |
| EDA-ECA-002  | \$1 Source Code is not configured to form a new Adapter  |
| EDA-ACC-001  | \$1 real account is not maintained in the common core  |



| Table A-1 | (Cont.) List of Error Codes |
|-----------|-----------------------------|
|           |                             |

| Error Code  | Description  |  |
|-------------|--|--|
| EDA-ACC-004 | Failed in fetching local branch currency. Please check logs for further details                        |  |
| EDA-ACC-005 | \$1 source code is not maintained in OBVAM   |  |
| EDA-ACC-006 | Failed while rollback, please check the business exception queue for further details                   |  |
| EDA-ACC-007 | One or more real account is not maintained in the facility screen properly                             |  |
| EDA-ACC-008 | One or more DDA offset GL is not maintained in the common core external chart accounts                 |  |
| EDA-ACC-009 | All the GLs and real accounts are maintained properly  |  |
| EDA-ACC-010 | Successfully retrieved the for the inter DDA GLs   |  |
| EDA-ACC-011 | Failed to retrieve the inter DDA GLs   |  |
| EDA-ACC-015 | Retry cannot be called for Sync Txn Reference: \$1   |  |
| EDA-ACC-016 | ReverseTxn cannot be called for Sync Txn Reference: \$1  |  |
| EDA-ACC-017 | Txn Came in Async Mode hence batch will process the records from<br>Tank Tables which are Unprocessed  |  |
| VAM-BAL-001 | Failed to save Account Balance   |  |
| VAM-BAL-002 | Successfully validated and updated balance   |  |
| VAM-BAL-003 | Insufficient funds for \$1 account   |  |
| VAM-BAL-004 | Insufficient funds for \$1   |  |
| VAM-BAL-005 | Sufficient funds available for \$1   |  |
| VAM-BAL-006 | Successfully inserted data into Value Dated table for \$1  |  |
| VAM-BAL-007 | Successfully updated data into Value Dated table for \$1   |  |
| VAM-BAL-008 | Successfully inserted data into Account Transaction table for \$1                                      |  |
| VAM-BAL-009 | Failed to build URL to call Turn over balance  |  |
| VAM-BAL-010 | No records sent to post turn over balance  |  |
| VAM-BAL-011 | No response has come after call to turn over balance   |  |
| VAM-BAL-012 | Successfully updated turn over balance   |  |
| VAM-BAL-013 | Failed to insert turn over balance for virtual account \$1   |  |
| VAM-BAL-014 | Successfully retrieved   |  |
| VAM-BAL-015 | Failed while fetching the records for the given combination, please check the logs for further details |  |
| VAM-BAL-016 | It is mandatory to pass either the virtual account number or the value date to fetch records           |  |
| VAM-BAL-017 | Virtual Account number, from date and to date, all three are mandatory fields                          |  |
| VAM-BAL-018 | From date cannot be greater than to date   |  |
| VAM-BAL-020 | Failed to acquire balances of participating account(s)   |  |
| VAM-BAL-021 | Virtual Account \$1 and currency \$2 combination is Invalid  |  |
| VAM-BAL-022 | Failed to acquire account details of participating account(s)  |  |
| VAM-BAL-023 | Failed to merge Account Balance details for Tanked Batch   |  |
| VAM-BAL-024 | Successfully merged account details for Untanking batch  |  |
| VAM-BAL-025 | Failed to retrieve current balance   |  |
| VAI-IDCH-01 | Only Credit Transactions are allowed for Identifier Account \$1  |  |
| VAI-IDCH-02 | Invalid Branch for the Account \$1   |  |

| Table A-1 | (Cont.) | List of Error | Codes |
|-----------|---------|---------------|-------|
|-----------|---------|---------------|-------|

| Error Code  | Description  |
|-------------|--|
| VAI-IDCH-03 | Invalid Identifier for Branch Code \$1 and Account \$2                               |
| VAI-IDCH-04 | Account Numbers are repeated   |
| VAI-IDCH-05 | Failed while parsing Application date during Identifier Check                        |
| VAI-IDCH-06 | No Real Account is Mapped for the Identifier Account \$1 and Currency \$2            |
| VAI-IDCH-07 | Remittance Detail is not configured for the associated remitter list id              |
| VAI-RMLS-07 | Transaction Value Date should be Greater than the Validity Start Date of Remitter ID |
| VAI-RMLS-08 | Transaction Value Date should be Less than the Validity End Date of Remitter ID      |

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