|  |  |
| --- | --- |
|  | |
| ALL- 582 COA - Refresh booking Consumption of COA  Functional Specification | |
| Department: CMA CGM Commercial Allocation  Project: *DATAWAYS*  JIRA ID: ALL-582  Author(s): *Infosys* | |
| **Doc Reference:**  **Date:**  **Version:**  **Status:** | ALL- 582 COA - Refresh booking Consumption of COA  2 Oct 2024  0.3 |
| Classification: **Internal** | |

REVISIONS

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Subject** |
| 1.0 | 11-Jul-24 | Dinesh Maurya | Document creation |
| 0.2 | 4 Sep 2024 | Akshita Ahuja | Addition of the list of trigger points for refreshing consumption |
| 0.3 | 12 Oct 2024 | Akshita Ahuja | Separating linking/delinking and refresh consumption |

**REVIEWS**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Title** | **Version** | **Date** | **Company** | **Signature** |
| Prabhu SESHADRI | IT Domain Lead | 1.0 |  | CMA CGM | Prabhu SESHADRI |
| HIENG Laurent | Product Owner | 1.0 |  | CMA CGM | HIENG Laurent |

APPROVALS

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Title** | **Version** | **Date** | **Company** | **Signature** |
| HOELLARD Damien | Lead Product Owner | 1.0 |  | CMA CGM | HOELLARD Damien |
| HIENG Laurent | Product Owner | 1.0 |  | CMA CGM | HIENG Laurent |

DISTRIBUTION LIST

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Title** | **Company** | **To** | **Cc** |
| HOELLARD Damien | Lead Product Owner | CMA CGM | X |  |
| Prabhu SESHADRI | IT Domain Lead | CMA CGM | X |  |
| HIENG Laurent | Product Owner | CMA CGM | x |  |
| Veronique JOUSSELLIN | IT Domain Owner | CMA CGM |  | X |
| Julien D’ELIA | Enterprise Architect | CMA CGM |  | X |
| Youssef ATIK | Solution Architect | CMA CGM |  | X |
| Rudy MACARONUS | Chief Architect | CMA CGM |  | X |
| Victor BONY | Project Manager | CMA CGM |  | X |
| Ganesh IYER | Proxy Product Owner | Infosys |  | X |
| Ellina GALCHENKO | Product SME | Infosys |  | X |
| Akshita AHUJA | Product SME | Infosys |  | X |
| Dinesh Maurya | Product SME | Infosys |  | X |
| Savli TAPRE | Product SME | Infosys |  | X |
| Aishwarya RAJAN | UX Team | Infosys |  | X |
| Steffi SOLANKI | UX Team | Infosys |  | X |
| Abhishek KUMAR | Product SME | Infosys |  | X |
| Ben PAUL | Product SME | Infosys |  | X |
| Tameshwar SAHU | Solution Architect | Infosys |  | X |
| Tapas SARKAR | Solution Architect | Infosys |  | X |
| Bala Chami | Scrum Master | Infosys |  | X |
| Sinchu PANICKER | PMO | Infosys |  | X |

CONTENTS

[1 - Requirements 4](#_Toc555612542)

[1.1 Document references 4](#_Toc327855701)

[1.2 New or Modified Objects 5](#_Toc354450280)

[1.3 Acronyms & Glossary 5](#_Toc557669148)

[2 - Detailed Design 5](#_Toc1508438904)

[2.1 Business Context and Scope 5](#_Toc1361176197)

[2.2 Business Constraints or Assumptions 5](#_Toc1291883147)

[2.3 Functional Solution Risk 5](#_Toc1949902818)

[2.4 Requirement Details 5](#_Toc459149224)

[2.5 Process Flow and Domain Entities 5](#_Toc310581267)

[2.6 UI / UX Design 6](#_Toc1981456762)

[2.7 Setups and configurations 6](#_Toc2019968925)

[2.8 Processing definition 6](#_Toc1581785906)

[2.9 Functional Test Cases 7](#_Toc1362203395)

[3 - Technical Details (Optional) 8](#_Toc1822018163)

# - Requirements

|  |  |
| --- | --- |
| **Requirement ID** | **User Story / Requirement Description** |
| [ALL- 582](https://cmacgmgroup.sharepoint.com/:w:/r/sites/CMA-DataWays/_layouts/15/Doc.aspx?sourcedoc=%7B413C6492-E02B-4079-A2B7-9BC1E3CF32C4%7D&file=ALL-582%20COA%20-%20Refresh_Relaunch%20bookings%20Consumption%20of%20COA.docx&action=default&mobileredirect=true&wdsle=0) | ALL- 582 COA - Refresh booking Consumption of COA |

## 

### Document References

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Reference** | **Description** | **Version** | **Date** | **Author** |
| ALL-140 | My Scope of Services | JIRA | NA | Savli Tapre |
| ALL-46 | COA - Manually Publish COA Template to Voyage (Screen) | JIRA | NA | Kumar Abhishek |
| All-44 | COA-ALL-44 COA-Manually Publish COA Template to Voyage (Back End) | JIRA | NA | Kumar Abhishek |
| ALL-221 | COA - Automated Publish COA Template to Voyage (Back End) | JIRA | NA | Ben Paul |
| ALL-139 | Roles and Authorization | JIRA | NA | Ellina Galchenko |

### New or Modified Objects

|  |  |
| --- | --- |
| **Components involved and purpose (Part of technical Document)** | |
| N/A | N/A |

### Acronyms & Glossary

|  |  |  |
| --- | --- | --- |
| **Term** | **Acronym** | **Definition** |
| Cargo Flow Segmentation | CFS | Cargo flow segmentation is needed to assign boundaries to some ports, this will determine the leg definition and cargo flow bounds. |

# - Detailed Design

### Business Context and Scope

This document provides details to the cargo flow user about COA at voyage level screen to get a refresh value at each COA at voyage level to gets the latest consumption data value of bookings.

### Business Constraints or Assumptions

 Assumption is that report is up-to date and synchronized as per business needs to access and display right information on the list of existing COA templates.

***Disclaimer: User must be having required authorization and access to the Cargo Flow Portal. (covered in user story ALL-139 COA-Roles and Authorization)***

### Functional Solution Risk

NA

### Requirement Details

The user wants to be able to able to use, maintain, edit and save any changes at COA at Voyage level and get the latest refresh booking value every time he is logged into the cargo flow portal. Essentially, any changes coming from LARA needs to be reflected real-time to the user on the COA at Voyage level.

### Process Flow and Domain Entities

NA

### UI / UX Design

NA

### Validation and Rules

Below are the detailed definitions for attributes, buttons, and error messages in search & display and editing boundary templates.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **SR** | **Label or Fields** | **Description** | **F** | **A** | **D** | **List** | **Rules** |
|  |  |  |  |  |  |  |  |

**Legend**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Format | CB | Check Box | Attribute | M | Mandatory | Display | D | Field disabled |
| FA | Field alpha | O | Optional | E | Field Enabled |
| FN | Field numeric |  |  | R | Read Only |
| LOV | List of Value |  |  | H | Hidden |
| DA | Date |  |  |  |  |
| BT | Button |  |  |  |  |
| DT | Date Time |  |  |  |  |

### Setups and configurations

N/A

### Processing definition

Following business rules must be implemented:

|  |  |
| --- | --- |
| **ALL- 582 - COA – Linking/Delinking and Refresh Consumption of COA** | |
| **Part 1 – Refresh Consumption** | |
| **BR01** | **Refresh Consumption**  The system will refresh the consumption in COA under an allocated Bucket ID/Allocation Matching ID in the given scenarios:   1. Port Omission\* 2. Port Un-omitted 3. Voyage Blank Sailed 4. Voyage Unblanked (reinstated) 5. Revision in TEU Conversion and OOG Lost Slots Factor (PAM and Dataways CMA Group) 6. ~~Phase In/Phase Out for vessels (impact based on vessel capacity)~~   Note:   * Any changes within these fields under any tab including Target, Standard Allocation and Operational Restrictions, and within Long Leg and Short Leg need to be refreshed to reflect latest and accurate values to the user. * In case of change in port sequence change, the bookings will be marked as invalid in LARA and the same information will be triggered through enrichment. The same scenario does not need to be considered for refresh consumption. |
| **Note** | Refresh consumption is triggered by:   1. Clicking the ‘refresh consumption’ button on the COA at Voyage screen 2. Automated due to above mentioned scenarios triggered in Dataways |
| **BR02** | **Impact of Port Omission on Delta and Availability Check (Ref ALL 127)**   1. The process of refresh consumption will directly impact the availability limit (delta) for TEU Sales/Plugs/Weight, hence impacting the allocation check result against the set allocation. 2. In the case of **port omission**, the values will be marked in red and grey and booked values will be disregarded under the availability check. 3. In the case of **port omission**, the check result against the omitted port should automatically be ‘KO’ 4. If the **port is reinstated or un-omitted**, the availability calculation and check will be taken in consideration as per the regular logic (ALL 127). 5. For port omission under Operational Allocation:    * POL: If a POL is omitted, the POL along with all PODs under the level will be marked in grey and red. Availability will be considered as 0 against the PODs and the result should be KO automatically.    * POD: If a POD is omitted, the same will be marked in grey and red. Availability will be considered as 0 against the POD and the result should be KO automatically. 6. For port omission under Standard Allocation:    * POL: If a POL is omitted, the POL along with all PODs, Booking Agency and Cargo Types under the level will be marked in grey and red. Availability will be considered as 0 against Cargo Type level and the result should be KO automatically.    * POD: If a POD is omitted, the POD along with all Booking Agency and Cargo Types will be marked in grey and red. Availability will be considered as 0 against Cargo Type level the same and the result should be KO automatically.  * Example (using structure for Operational Allocation):   A screenshot of a computer screen  Description automatically generated |
| **Part 2 – Linking / Delinking** | |
| **BR02** | **Linking/Delinking** refers to the process of reprocessing bookings.   * Under reprocessing, allocation matching is retriggered to find the matching bucket and consumed**.** * Due to re-processing, bookings can be delinked from one allocation bucket ID and linked to another allocation bucket ID or one allocation to another allocation. * Note only confirmed bookings are considered for this process.   Linking/delinking takes place under the given scenarios:   1. Change in structure of COA at Voyage    1. Republishing COA Template    2. Structural changes to COA at Voyage (add, edit, delete) 2. Change in leg definition leading to CFS being retriggered    1. Change in bound    2. Change in leg type       1. Voyage Chaining/Unchaining    3. Change in boundary |

### Functional Test Cases

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case #** | **Rule** | **Functional Test** | **Expected Results** |
| **ALL-1365 COA - LCR Report - Schedule LCR** | | | |
| **TC01** |  | Booking Consumption | Appropriate and correct information of Total booked-TEUs, Total booked-Weight, Total Booked-Units to be updated once Booking payload is received from LARA. |
| **TC02** |  | Refresh Consumption | As and when a user selects a CVN and performs ‘Refresh Consumption’ from COA Voyage list, the corresponding details of consumption to be updated. |

# - Technical Details (Optional)

Technical solution will be done by architect and development teams.

- End of document –