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| COA- ALL-1132: COA – Consume COA by Bookings [Convert BB booking equipment into TEU]  Functional Specification | |
| Department: CMA CGM Commercial Allocation  Project: *DATAWAYS*  JIRA ID: ALL-1132  Author(s): *Infosys* | |
| Doc Reference:  Date:  Version:  Status: | ALL-1132: COA – Consume COA by Bookings [Convert BB booking equipment into TEU]  26-Jun-2024 0.1 Draft To Be Reviewed |
| Classification: **Internal** | |

REVISIONS

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| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Subject** |
| 0.1 | 26-Jun-2024 | Ben Paul | Document creation |

APPROVALS

|  |  |  |  |  |  |
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# - Requirements

|  |  |
| --- | --- |
| **Requirement ID** | **User Story / Requirement Description** |
| [ALL-110;601; 602; 603; 604; 605; 11092; 1132](https://cmacgmgroup.sharepoint.com/:w:/r/sites/CMA-DataWays/Shared%20Documents/COA/02%20-%20Detailed%20User%20Stories/ALL-110;%20601;%20602;%20603;%20604;%20605;%201092;%201132%20-%20COA%20-%20Consume%20COA%20by%20Bookings.docx?d=w9c704469b6c34a16b796fada632a236f&csf=1&web=1&e=LAakCx) | COA - Consume COA by Bookings |

## 

### Document References

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Reference** | **Description** | **Version** | **Date** | **Author** |
| ALL-603 | COA – Consume COA by Bookings [Cargo Type Determination] | JIRA | NA | Dinesh Maurya |

### New or Modified Objects

|  |  |
| --- | --- |
| **Components involved and purpose (Part of technical Document)** | |
| NA |  |
|  |  |

### Acronyms & Glossary

|  |  |  |
| --- | --- | --- |
| **Term** | **Acronym** | **Definition** |
| NA |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

# - Detailed Designs

### Business Context and Scope

This document provides a detail on the determination data fields that are received in payload file from LARA in order to identify the overall Booking consumption which has been explained in “**ALL-1132: COA – Consume COA by Bookings [Convert BB booking equipment into TEU]**”.

### Business Constraints or Assumptions

* Assumption is that the payload .xml file received from LARA should have correct data.
* Data fields in payload file should be up to date.

### Functional Solution Risk

NA

### Requirement Details

User wants to be able to monitor Bookings Consumption and evaluate how a Booking Agency is performing against its target set for Booking Consumptions. User will be able to see all the **consumption** **utilized** for a specific **‘Carrier’** at different levels of a voyage like **Sub -Trade (Geo) + Haul, POL, Booking Agency and Cargo Type**.

### 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

Not Available

### Processing definition

Following business rules must be implemented:

|  |  |
| --- | --- |
| **ALL-1132: COA – Consume COA by Bookings [Convert BB booking equipment into TEU]** | |
| **BR01** | **TEU Value for Breakbulk Booking**  For Break-bulk, there is no conversion per se and the system shall consume the field TEU from LARA Booking:  To identify the Breakbulk from LARA, filed name will be “Movement” and value will be ‘BB’(*Breakbulk*)   |  |  | | --- | --- | | **Field Name** | **Value** | | exportMovementType | BB | | importMovementType | BB |  * Conversation factor is not required because for commercial booking the booking details are maintained in LARA   **The field TEU will have the value for BB to BB in the booking**, from the below example the movement will be BB to BB and the value for BB will be 48 TEUs |
| **BR02** | **TEU Value for Empty/Empty Booking**  To identify the Empty/Empty booking from LARA, filed name will be “Movement” and value will be ‘Empty’.   |  |  | | --- | --- | | **Field Name** | **Value** | | exportMovementType | Empty | | importMovementType | Empty |   *Note: Empty/Empty booking are Flat Rack containers used for bedding for the breakbulk pieces*  The field TEU will have the value for empty to empty in the booking, from the below example the movement will be empty to empty and the value for empty will be 4 TEUs (2x40HF containers of 2 TEUs Each)    **Relation Logic Between BreakBulk and Empty**  Original Reference will be key field for getting the relation between breakbulk and empty.  Original Reference number will be same for breakbulk and empty scenario. |
| **BR03** | **Consumption logic for COA**  For Breakbulk, the consumption logic will be the sum of TEUs of BB and Empty.  From the above example: BB value will be **48** and Empty value will be **4** TEUs(2x40HF containers of 2 TEUs Each) Total consumption will be 48+4=52 TEUs |
| **BR04** | **Refresh Consumption**  When there is a change in the booking system LARA, then the changes need to be pushed to COA voyage template.  When the changes have happened, The consumption process shall run again, and the booked quantities consumption of the COA shall be refreshed.  *Note: Refresh Booking Consumption of a specific Voyage by making a selection on the ‘Service ID’ and clicking on ‘Refresh Consumption’[Refer BR05 of ALL-110-Consume COA by Bookings [Carrier Determination]* |
| **Note** | Logic to associate Break Bulk Booking and Containers bedding bookings is described in Acceptance Criteria 3 and 4 of ALL-603: COA – Consume COA by Bookings [Cargo Type Determination] |

### Functional Test Cases

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case #** | **Rule** | **Functional Test** | **Expected Results** |
| **TC01** | BR01 | TEU Value for Breakbulk Booking | * Identify the Breakbulk from LARA, filed name will be “Movement” and value will be ‘BB’(Breakbulk) * Identify the field TEU will have the value for BB to BB in the booking |
| **TC02** | BR02 | TEU Value for Empty/Empty Booking | * Identify the Empty/Empty booking from LARA, filed name will be “Movement” and value will be ‘Empty’ * Identify the field TEU will have the value for empty/empty in the booking |
| **TC03** | BR03 | Consumption logic for COA | * Consumption logic will be the sum of TEUs of BB and Empty |

# - Technical Details (Optional)

Technical solution will be done by architect and development teams.

- End of document –