

# **RAMCO AVIATION SOLUTION**

## **ENHANCEMENT NOTIFICATION**

**Version 5.8.9.1**

**Materials**

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## WHAT'S NEW IN DEMAND MANAGEMENT HUB?

### Ability to search for MRs in Demand Management Hub

Reference: APRP-827

#### Background

Demand Management Hub facilitates planning for Open Material Requests and also tracking the Planned Material Requests to closure. Currently, this entire activity is supported by retrieving the Material Requests using pre-defined categories classified either based on the MR status or based on certain Exceptions. Business need is to search for the Material Requests using user controllable search criteria and act upon the same in the Demand Management Hub.

#### Change Details

In the **Demand Management Hub** screen, all Material Requests raised in the OU can be retrieved through four ways:

- Primary filter considering user preference.
- Primary filter without considering user preference.
- Advanced Search filters considering user preference.
- Advanced Search filters without considering user preference.

The user can retrieve the material request document based on the following values using the Primary filter.

- Material Request #
- Material Request Priority
- Part #
- Part Description
- Aircraft Registration #
- Customer #
- Warehouse #

The user can retrieve the material request document based on the following values in the Advanced Search:

- Material Request #
- Material Request Priority
- Material Request Type
- Material Request Class
- Part #
- Part Description
- Warehouse #
- Work center #
- Assignee
- Name
- Preferred Supplier

- Requested By
- Stock status
- Ship by
- Part category
- Part Type
- Part Source
- Main Core Part #
- Main Core Serial #
- Customer #
- Customer Name
- MR stage
- Processing Status
- Buyer Group
- Requesting Unit
- Exchange Entity
- Reason for Deferral
- Deferral Type
- Package type
- Storage Location

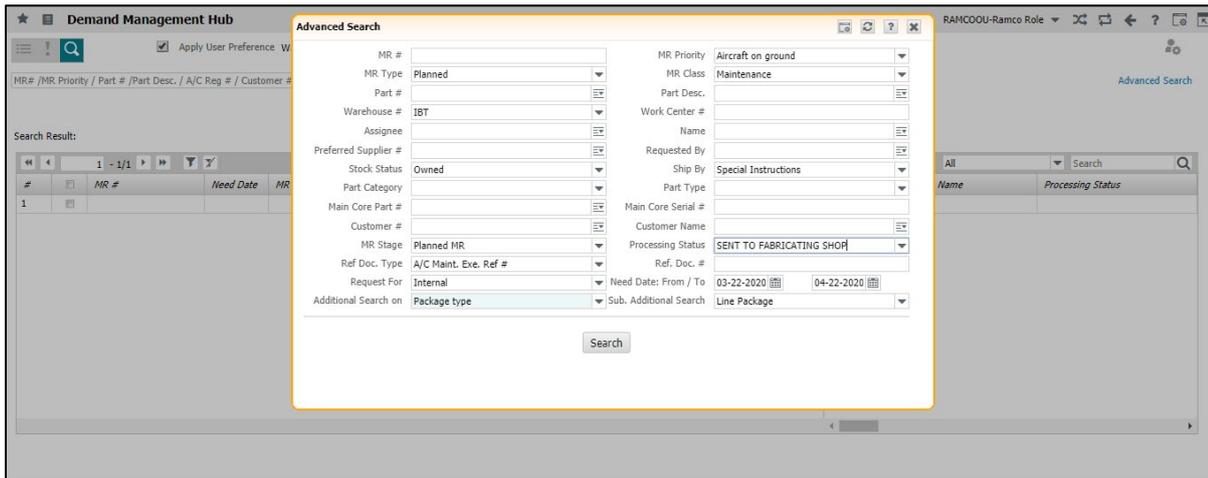
The drop-down 'MR stage' will be loaded with the different Categories available for the Status based retrieval of Material Requests. If the Advanced Search options are used, then the values provided in the Primary filter will be ignored for search.

User Preference can be included within the search criteria by selecting the check box 'Apply user preference', in both the cases.

### Exhibit 1: Search in Demand Management Hub

| #  | MR #           | Need Date  | MR Priority | Warehouse # | Part #        | Part Desc.      | Req. Qty | Closed Qty | Assignee | Name | Processing Status |
|----|----------------|------------|-------------|-------------|---------------|-----------------|----------|------------|----------|------|-------------------|
| 1  | MR-005120-2020 | 04-08-2020 | Normal      | 0123        | 000-99999     | ELECTRICAL TEST | 1.00     |            |          |      |                   |
| 2  | MR-005193-2020 | 04-20-2020 | Normal      | 0123        | 000-99999     | ELECTRICAL TEST | 1.00     |            |          |      |                   |
| 3  | MR-005123-2020 | 04-13-2020 | Normal      | 0123        | 000-99999     | ELECTRICAL TEST | 1.00     |            |          |      |                   |
| 4  | MR-005148-2020 | 04-15-2020 | Normal      | 0123        | 000-99999     | ELECTRICAL TEST | 2.00     |            |          |      |                   |
| 5  | MR-005149-2020 | 04-15-2020 | Normal      | 0123        | 000-99999     | ELECTRICAL TEST | 5.00     |            |          |      |                   |
| 6  | MR-005160-2020 | 04-17-2020 | Normal      | 0123        | 000-99999     | ELECTRICAL TEST | 1.00     |            |          |      |                   |
| 7  | MR-004922-2020 | 03-06-2020 | Normal      | 0123        | 000-99999     | ELECTRICAL TEST | 1.00     |            |          |      |                   |
| 8  | MR-004927-2020 | 03-06-2020 | Normal      | 0123        | 000-99999     | ELECTRICAL TEST | 1.00     |            |          |      |                   |
| 9  | MR-004888-2020 | 03-02-2020 | Normal      | 0123        | 000-99999     | ELECTRICAL TEST | 1.00     |            |          |      |                   |
| 10 | MR-005003-2020 | 03-18-2020 | Normal      | 0123        | 000-99999     | ELECTRICAL TEST | 1.00     |            |          |      |                   |
| 11 | MR-005004-2020 | 03-18-2020 | Normal      | 0123        | 000-99999     | ELECTRICAL TEST | 1.00     |            |          |      |                   |
| 12 | MR-005189-2020 | 04-20-2020 | Normal      | 0123        | 000-99999_CON | 000-99999_CON   | 1.00     |            |          |      |                   |

Exhibit 2: Advance Search in Demand Management Hub



## Ability to Adjust PR against Scrap Qty and other Minor Changes

Reference: APRP-828, APRP-1002, APRP-1009, APRP-1010

### Background

Demand Management Hub is the new Hub screen released for managing the Material Planning for Open Demands. It is developed with an objective to support end to end tracking of a Material Request, till closure along with supporting all operations currently available in Plan Materials screen. In the initial release, the coverage of Scrap Qty to be replenishment when the Purchase Request is raised was not handled. Another key feature in Demand Management Hub is the provision to have Real-Time simulation of Stock Allocation. In the initial release, this Simulation was void of the Allocation Rules.

Business need is to handle the Coverage of Scrap Qty pending replenishment and consider Allocation Rules during Proposal of Allocation. In addition to that it is also required to display the Customer Request reference (as applicable) and a provision to view the Customer Request details.

### Change Details

#### Demand Management Hub

In the 'To be Planned' and other categories from which planning action can be initiated, whenever Initiate Action button is clicked, by selecting the 'Adjust PR-Scrap Quantity' check-box, with action as 'Create Purchase Request', the Purchase Request-Scrap Note Coverage details will be updated to the extent of the Scrap Qty Pending Replenishment.

On click of Propose Allocation button under these categories, based on the option setting to consider Allocation Rules available in the **Set Inventory Process Parameters** screen, stock that satisfies the Allocation rule identified for the MR Line alone will be suggested for Issue/Stock Transfer.

In the Ref. Document field, the Customer Request # will be concatenated along with the other details and a link to **Manage Customer Request** screen is added in the Quick links combo. Also, a link to **Inquire Stock Availability** screen is added.

Exhibit 1: Identifies the 'Adjust PR-Scrap Quantity' check box addition in Demand Management Hub screen

**Demand Management Hub**

RAMCOOU-Ramco Role

To be Assigned 1985 **To be Planned 42** Planned MR 116 In Purchase Request 67 Under Orders 22

View Simple Detail

| #  | MR #             | Need Date  | MR Priority | Warehouse # | Part #              | Part Desc.       | Req Qty | Pend. Qty | Action                 | Process Qty | Scrap Qty Pend. Repl. | Adjust PR against Scrap Qty |
|----|------------------|------------|-------------|-------------|---------------------|------------------|---------|-----------|------------------------|-------------|-----------------------|-----------------------------|
| 1  | SMR-000037-20... | 21-11-2011 | Normal      | YULFS101    | 001LG010600:K8081   | A320 LGCIU CPU   | 1.00    | 1.00      | Create Purchase Req... |             |                       | <input type="checkbox"/>    |
| 2  | SMR-000037-2011  | 21-11-2011 | Normal      | YULFS101    | 001LG010600:K8081   | A320 LGCIU CPU   | 1.00    | 1.00      |                        |             |                       | <input type="checkbox"/>    |
| 3  | SMR-000037-2011  | 21-11-2011 | Normal      | YULFS101    | 2826411608:K8081    | OPTOCOUPLER IC   | 2.00    | 2.00      |                        |             |                       | <input type="checkbox"/>    |
| 4  | SMR-000157-2011  | 07-12-2011 | Normal      | YULHM       | 4-7700-4-0006:36361 | T495-3TC HARNESS | 1.00    | 1.00      |                        |             |                       | <input type="checkbox"/>    |
| 5  | MR-000045-2011   | 08-12-2011 | Urgent      | YULHM       | 00-200-1483:K0654   | LOCKWASHER       | 10.00   | 4.00      |                        |             |                       | <input type="checkbox"/>    |
| 6  | SMR-000160-2011  | 08-12-2011 | Urgent      | YULF21050   | 00-200-1483:K0654   | LOCKWASHER       | 6.00    | 2.00      |                        |             |                       | <input type="checkbox"/>    |
| 7  | SMR-000164-2011  | 08-12-2011 | Normal      | YULES       | 4-7935-9-0001:36361 | OIL FILTER DIFF  | 1.00    | 1.00      |                        |             |                       | <input type="checkbox"/>    |
| 8  | SMR-000169-2011  | 09-12-2011 | Normal      | YULHM       | 301-774-703-0:59875 | VBV GEAR MOTOR   | 1.00    | 1.00      |                        |             |                       | <input type="checkbox"/>    |
| 9  | SMR-000171-2011  | 09-12-2011 | Normal      | YULHM       | 0-1INCH:99999       | 0-1" OUTSIDE     | 1.00    | 1.00      |                        |             |                       | <input type="checkbox"/>    |
| 10 | SMR-000173-2011  | 09-12-2011 | Normal      | YULHM       | 0-1INCH:99999       | 0-1" OUTSIDE     | 1.00    | 1.00      |                        |             |                       | <input type="checkbox"/>    |

Propose Allocation **Initiate Action**

Quick Links

Exhibit 2: Identifies the display of Customer Request in Demand Management Hub screen

**Demand Management Hub**

RAMCO OU-Ramco Role

To be Assigned 160 To be Planned 12 Open MRs 4 Purchase Requests 4 Under Orders 0

View Simple Detail

| #  | MR #            | Need Date  | MR Priority | Warehouse # | Part #      | Part Desc.       | Req. Qty | Pend. Qty | Assignee | Name | eg. # | Ref. Document                           | Line |
|----|-----------------|------------|-------------|-------------|-------------|------------------|----------|-----------|----------|------|-------|---|------|
| 85 | MR-002935-2018  | 2018-08-31 | Low         | 0123        | WA25-       | WASHER           | 2.00     | 2.00      |          |      |       | Part Sale Order : P0000265   CRQ#:00001 | 1    |
| 86 | SMR-007486-2018 | 2018-08-14 | Normal      | 0123        | 0-9900-9-   | IGNITION UNIT    | 1.00     | 1.00      |          |      |       | Shop Work Order : OWO-000451-2018       | 1    |
| 87 | SMR-007484-2018 | 2018-08-14 | Normal      | 0123        | 0U144659:F  | PRECASTING, A319 | 1.00     | 1.00      |          |      |       | Shop Work Order : OWO-000451-2018       | 1    |
| 88 | MR-002919-2018  | 2018-08-06 | Normal      | 0123        | Part -57210 | Automation       | 10.00    | 10.00     |          |      | .9    | A/C Maint. Exe. Ref # : VP-000982-2018  | 1    |
| 89 | MR-002918-2018  | 2018-08-06 | Normal      | 0123        | Part -57210 | Automation       | 10.00    | 7.00      |          |      | .9    | A/C Maint. Exe. Ref # : VP-000982-2018  | 1    |
| 90 | MR-002917-2018  | 2018-08-04 | Normal      | 0123        | Part -80920 | Automation       | 10.00    | 10.00     |          |      | .9    | A/C Maint. Exe. Ref # : VP-000981-2018  | 1    |
| 91 | MR-002916-2018  | 2018-08-04 | Normal      | 0123        | Part -80920 | Automation       | 10.00    | 10.00     |          |      | .9    | A/C Maint. Exe. Ref # : VP-000981-2018  | 1    |
| 92 | MR-002899-2018  | 2018-05-28 | Normal      | 0123        | PART        | Flight part      | 5.00     | 2.00      |          |      |       | A/C Maint. Exe. Ref # : VP-000965-2018  | 1    |
| 93 | MR-002889-2018  | 2018-03-11 | Normal      | 0123        | 03T034N063  | KIT              | 1.00     | 1.00      |          |      |       | A/C Maint. Exe. Ref # : VP-000980-2018  | 1    |
| 94 | MR-002888-2018  | 2018-01-30 | EFYA        | 0123        | FO-01       | FO-01            | 2.00     | 2.00      |          |      |       |   | 2    |
| 95 | MR-002887-2018  | 2018-01-27 | A1          | 0123        | FO-01       | FO-01            | 2.00     | 2.00      |          |      |       |   | 3    |
| 96 | MR-002878-2018  | 2018-01-18 | Normal      | 0123        | REPL1       | repl1            | 2.00     | 2.00      |          |      |       |   | 4    |

**Save**

Quick Links

Exhibit 3: Identifies the link additions in Demand Management Hub screen

The screenshot shows the Demand Management Hub interface. At the top, there are filters for 'To be Assigned' (1985), 'To be Planned' (42), 'Planned MR' (116), 'In Purchase Request' (67), and 'Under Orders' (22). Below the filters is a table with columns: #, MR #, Need Date, MR Priority, Warehouse #, Part #, Part Desc., Req Qty, Pend. Qty, Planning Option, Coverage Entity, Entity Value, Available Qty, and Action. The table lists 10 items. A yellow callout box labeled 'Newly added links' points to a list of actions on the right side of the table. Two of these actions, 'Inquire Stock Availability' and 'Manage Customer Request', are highlighted with a red box. At the bottom of the interface, there are buttons for 'Propose Allocation' and 'Initiate Action', and a 'Quick Links' section.

| #  | MR #            | Need Date  | MR Priority | Warehouse # | Part #              | Part Desc.       | Req Qty | Pend. Qty | Planning Option | Coverage Entity | Entity Value | Available Qty | Action  |
|----|-----------------|------------|-------------|-------------|---------------------|------------------|---------|-----------|-----------------|-----------------|--------------|---------------|---|
| 1  | SMR-000037-2011 | 21-11-2011 | Normal      | YULFS101    | 001LG010600:K8081   | A320 LGCIU CPU   | 1.00    | 1.00      |                 |                 |              |               | Create Purchase Request                         |
| 2  | SMR-000037-2011 | 21-11-2011 | Normal      | YULFS101    | 001LG010600:K8081   | A320 LGCIU CPU   | 1.00    | 1.00      |                 |                 |              |               | Create PR based PO                              |
| 3  | SMR-000037-2011 | 21-11-2011 | Normal      | YULFS101    | 2826411608:K8081    | OPTOCOUPLER IC   | 2.00    | 2.00      |                 |                 |              |               | Create Loan Order                               |
| 4  | SMR-000157-2011 | 07-12-2011 | Normal      | YULHM       | 4-7700-4-0006:36361 | T495-3TC HARNESS | 1.00    | 1.00      |                 |                 |              |               | Plan Work Order                                 |
| 5  | MR-000045-2011  | 08-12-2011 | Urgent      | YULHM       | 00-200-1483:K0654   | LOCKWASHER       | 10.00   | 4.00      |                 |                 |              |               | Route Unserviceable Components / Parts          |
| 6  | SMR-000160-2011 | 08-12-2011 | Urgent      | YULF21050   | 00-200-1483:K0654   | LOCKWASHER       | 6.00    | 2.00      |                 |                 |              |               | Inquire Material Count and Location Information |
| 7  | SMR-000164-2011 | 08-12-2011 | Normal      | YULES       | 4-7935-9-0001:36361 | OIL FILTER DIFF  | 1.00    | 1.00      |                 |                 |              |               | Check Part Availability                         |
| 8  | SMR-000169-2011 | 09-12-2011 | Normal      | YULHM       | 301-774-703-0:59875 | VBV GEAR MOTOR   | 1.00    | 1.00      |                 |                 |              |               | External Stock Availability                     |
| 9  | SMR-000171-2011 | 09-12-2011 | Normal      | YULHM       | 0-1INCH:99999       | 0-1" OUTSIDE     |         |           |                 |                 |              |               | View Availability of Alternate Parts            |
| 10 | SMR-000173-2011 | 09-12-2011 | Normal      | YULHM       | 0-1INCH:99999       | 0-1" OUTSIDE     |         |           |                 |                 |              |               | View PO/RS Details                              |

## WHAT'S NEW IN SUPPLIER SERVICE CONTRACT?

### Ability to identify the Customers applicable in Supplier Contract

Reference: APRP-47, APRP-1003

#### Background

In general, ITM organizations in addition to the Repair contracts they have with MROs, also maintain their Customer's contracts with MROs. These contracts will be applicable only for the Unserviceable Parts received from those customers. Currently, in the Supplier Service Contract, the provision to map the Customers applicable for that Contract is not available.

Business need is to have the provision to identify the Customers who could benefit from a Supplier Service Contract and restrict the usage of Contract only to the Unserviceable Parts received from those Customers.

#### Change Details

The following changes are done in the **Supplier** business component, in order to meet the business requirement. Create/Edit Quick Codes.

- A new tab **Customer Applicability** is added the in the **Manage Supplier Service Contract** screen, to capture the customers applicable in the Supplier Contract.
- The following Quick Code Types are added in the **Create Quick Codes** and **Edit Quick Codes** screens:
  - User Defined Detail (Customer Applicability) - 1
  - User Defined Detail (Customer Applicability) - 2
  - User Defined Detail (Customer Applicability) - 3
- In the **Contract Detail** tab of the **Manage Supplier Service Contract** screen, the control **Cont. Incharge** is made as a Help enabled field, to easily identify the Employee who is responsible to manage that Contract.

Based on the value defined in the **Customer Applicability** tab of the **Manage Supplier Service Contract** screen and the value defined for the option setting 'Advanced Repair Agency Identification sequence' available in the **Purchase Option Settings** screen, in the automatic Repair Orders generated for the Unserviceable Items received on Exchange basis from the Customers, the Repair Shops/Contract with Customer Applicability will be given higher priority over the ones without the Customer Applicability.

Exhibit 1: Manage Supplier Service Contract

Exhibit 2: Customer Applicability in Manage Supplier Service Contract

| #  | Error | Customer # | Customer Name | Reference #  | Effective From | Effective To | Revision | Revision Date | User Defined Details-1 | Message Center |
|----|-------|------------|---------------|--------------|----------------|--------------|----------|---------------|------------------------|----------------|
| 1  |       | 400004     | Customer 6    | CUS/INT/001  | 04-22-2020     | 07-22-2020   | 1        | 04-22-2020    |                        |                |
| 2  |       | 400007     | Customer 8    | CUS/INT/002  | 04-22-2020     | 08-22-2020   | 1        | 04-22-2020    |                        |                |
| 3  |       | 400012     | Customer 9    | CUS/INT/003  | 04-22-2020     | 04-25-2020   | 1        | 04-22-2020    |                        |                |
| 4  |       | 400016     | Customer 10   | CUS/INT/004  | 04-22-2020     | 08-22-2020   | 1        | 04-22-2020    |                        |                |
| 5  |       | 400028     | Customer 11   | CUS/INT/005  | 04-22-2020     | 09-19-2020   | 1        | 04-22-2020    |                        |                |
| 6  |       | 400093     | Customer 12   | CUS/INT/006  | 04-22-2020     | 09-18-2020   | 1        | 04-22-2020    |                        |                |
| 7  |       | 400096     | Customer 13   | CUS/INT/007  | 04-22-2020     | 10-22-2020   | 1        | 04-22-2020    |                        |                |
| 8  |       | 400112     | Customer 14   | CUS/INT/008  | 04-22-2020     | 09-22-2020   | 1        | 04-22-2020    |                        |                |
| 9  |       | 400144     | Customer 15   | CUS/INT/009  | 04-22-2020     | 09-22-2020   | 1        | 04-22-2020    |                        |                |
| 10 |       | 400164     | Customer 16   | CUS/INT/0010 | 04-22-2020     | 09-22-2020   | 1        | 04-22-2020    |                        |                |

# WHAT'S NEW IN PURCHASE REQUISITION?

## Ability to update the PR Status as Closed post Goods Receipt

Reference: APRP-497

### Background

Currently whenever the Goods Receipt is done against the Purchase Request based Purchase Order, the status of the Purchase Order will change to Closed, but status of the Purchase Request still remains in the Authorized status. This misleads the buyer as to identify the Purchase Requests against which the action is truly pending. Business need is to update the Purchase Request status as Closed, whenever the goods are received against it.

### Change Details

Whenever the Goods Receipt document against a Purchase Order is moved to stock, the status of the Purchase Request that initiated the same will be updated as Closed, provided the entire Qty. is moved to stock.

In order to view the Purchase Requests that are Closed, a new value 'Closed' is added in the Status drop-down in the entry screen of View Purchase Request, **Select Purchase Request** and in the search criteria in the **Generate Purchase Request Report** screen. Based on the search criteria, the Purchase Requests in Closed status can also be retrieved.



*Note: For the historical Purchase Requests that are already available, the status will be updated to Closed using an update script.*

Exhibit 1: Select Purchase Request (View Purchase Request) screen

| # | Purchase Request # | PR Date    | PR Priority | Part # | Mfr. Part # | Mfr. # | Part Description | Requested Qty | Purchase UOM |
|---|--------------------|------------|-------------|--------|-------------|--------|------------------|---------------|--------------|
| 1 | APR-000829-2020    | 27-04-2020 | NRM         |        |             |        |                  |               |              |
| 2 | PR-002396-2020     | 20-04-2020 |             |        |             |        |                  |               |              |
| 3 | PR-002397-2020     | 20-04-2020 |             |        |             |        |                  |               |              |
| 4 | PR-002398-2020     | 21-04-2020 |             |        |             |        |                  |               |              |
| 5 | PR-002399-2020     | 21-04-2020 | NRM         |        |             |        |                  |               |              |
| 6 | PR-002400-2020     | 21-04-2020 | NRM         |        |             |        |                  |               |              |
| 7 | PR-002401-2020     | 21-04-2020 |             |        |             |        |                  |               |              |
| 8 | PR-002402-2020     | 21-04-2020 |             |        |             |        |                  |               |              |

# WHAT'S NEW IN ADVANCE SHIPPING NOTE?

## Ability to create CGR documents based on Advance Shipping Note

Reference: APRP-829

### Background

In general, whenever a Trading Partner (Customer/Supplier) ships a consignment to an organization, it is common to send the details of the Way bill in which the consignment is being sent. This Way bill can be recorded as the Advance Shipping Note document in Ramco Aviation suite. During receiving of goods, currently, the Receiving clerk should identify the Order document from the consignment and use that for receipt creation where the Received Qty. should be manually updated, instead of using the details available in the Advance Shipping Note document.

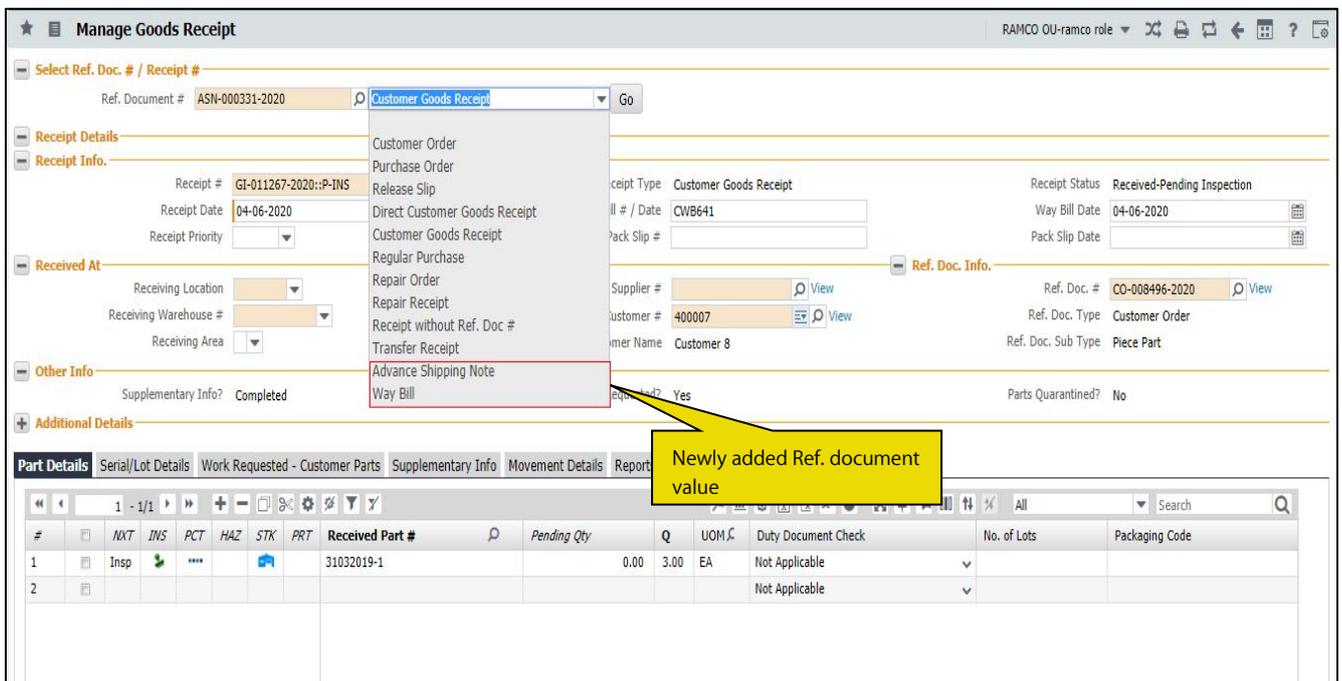
Business need is to have the Receipt creation process enabled by referring the Advance Shipping Note document.

### Change Details

In the Ref. Document # combo in the **Manage Goods Receipt** screen, new values "Advance Shipping note" and "Way bill #" are added. Also, the same is added in the **Help on Ref. Document #** screen. Based on this option, the Order document that is linked to the Advance Shipping Note or the Way Bill # can be retrieved for Receipt creation provided the Advance Shipping Note is recorded for a single order document.

Whenever receipt is created by providing Advance Shipping Note in the Ref. Document field of **Manage Goods Receipt** screen, the Serial/Lot details available from the ASN will be automatically updated in the Receipt document.

**Exhibit 1:** Exhibits the additional values added in Ref. Document field in **Manage Goods Receipt** screen



# WHAT'S NEW IN REPAIR ORDER?

## Ability to display the Repair Instructions in Repair Order

Reference: APRP-836

### Background

Maintenance Tasks are currently the only way to identify a Maintenance activity that needs to be carried out in a Component. However, there are certain instructions that could not be modeled as a Standard Maintenance task. These get added as Non-Standard Tasks/Non-Routines in Shop Work Order and Repair Orders respectively, during the execution. These instructions are in general identified by the Engineering (or Tech Records) team and the Shop/Repair Planner, adds them in the respective Repair Orders. Some of the sources for these instructions are definition of an Engineering Order, Reliability Analysis of a Component, etc.

Business need is to display the Notes defined in Engineering Order/Reliability Analysis during Repair order creation, so that the same can be added as a Non-Routine in the Repair Order.

### Change Details

In the **Create, Edit and View Repair Order** screens, a new column "**Repair Inst.**" is added in the Maint. Object Details multiline and **View Repair Instructions** link is added along with other links. The column will indicate availability of any repair instructions defined for the Part / Part-Serial/Lot # combination, in the Notes link available in Reliability Dashboard and Manage Engineering Document screens.

The link **View Repair Instructions** will launch the **View Repair Instructions** screen, which will display the Notes which are in active state for a Part / Part-Serial/Lot # defined in the Reliability and Engineering Document, with the purpose as 'Repair'. As needed, the filter criteria can be modified in this screen to view the availability of the Notes.

Exhibit 1: View Repair Instructions screen

The screenshot shows the 'View Repair Instructions' interface. At the top, there are search criteria fields: Part # (VR12404-9), Part Description (VR12404-9), Mfr. Serial # (VI-001), Component # (A104137), Purpose (Repair), Task #, Source Doc. Type, and Source Doc. #. A 'Search' button is located below these fields. Below the search criteria is a table titled 'Repair Instructions' with the following columns: #, Part #, Part Description, Mfr. Serial #, Serial #, Purpose, Notes, Source Doc. Type, Source Doc. #, Task #, Source Doc. Date, and Status. The table contains 8 rows of data.

| # | Part #    | Part Description | Mfr. Serial # | Serial # | Purpose | Notes  | Source Doc. Type | Source Doc. #  | Task #           | Source Doc. Date | Status |
|---|-----------|------------------|---------------|----------|---------|--|------------------|----------------|------------------|------------------|--------|
| 1 | VR12404-9 | VR12404-9        | VI-001        | VI-001   | Repair  | Battery-Powered Ignition System: If your small engine includes a battery for     | EO               | EO-000787-2020 | EO-000787-2020-1 | 04-25-2020       | A      |
| 2 | VR12404-9 | VR12404-9        | VI-001        | VI-001   | Repair  | Condenser: Because the spark moving across points can damage their surfaces,     | EO               | EO-000787-2020 | EO-000787-2020-1 | 04-25-2020       | A      |
| 3 | VR12404-9 | VR12404-9        | VI-001        | VI-001   | Repair  | Connecting Rod: Between the piston and the crankshaft is a connecting rod. At    | LTR              |                |                  |                  | A      |
| 4 | VR12404-9 | VR12404-9        | VI-001        | VI-001   | Repair  | Distributor: A distributor is an ignition system for engines with more than one  | LTR              |                |                  |                  | A      |
| 5 | VR12404-9 | VR12404-9        | VI-001        | VI-001   | Repair  | Friction: Friction is resistance that occurs when one surface rubs against       | LTR              |                |                  |                  | A      |
| 6 | VR12404-9 | VR12404-9        | VI-001        | VI-001   | Repair  | Magneto-Powered Ignition System: A magneto uses magnetism to supply              | EO               | EO-000787-2020 | EO-000787-2020-1 | 04-25-2020       | A      |
| 7 | VR12404-9 | VR12404-9        | VI-001        | VI-001   | Repair  | Mechanical-Breaker Ignitions: High-voltage electricity must be sent to the spark | EO               | EO-000787-2020 | EO-000787-2020-1 | 04-25-2020       | A      |
| 8 | VR12404-9 | VR12404-9        | VI-001        | VI-001   | Repair  | Points: As the crankshaft rotates, a cam opens and closes a set of contact       | EO               | EO-000787-2020 | EO-000787-2020-1 | 04-25-2020       | A      |

## WHAT'S NEW IN STOCK DEMAND MANAGEMENT?

### Ability to manage Stock allocation by having Advanced rules defined by Maintenance Due days/values

Reference: APRP-1051

#### Background

Advanced Allocation Rules can be defined using various parameters like Certificate Type, Stock Condition, Certificate Age, Component Utilization history, etc. and utilized for the automatic allocation of stock against the Material Request. One of the key parameters based on which advanced allocation is generally governed is the Maintenance Due details of a Part, as a part that could become due for maintenance shortly, will not be accepted by a requestor.

Business need is to have advanced allocation rules defined using the Maintenance Due details of a Part and handle allocation based on the same.

#### Change Details

In the Rules pop-up, that gets launched from **Manage Stock Allocation Rules** screen, the following parameters are added to facilitate Allocation Rule definition using Maintenance Due details.

- Remaining Due Days
- Remaining Due Values
- Due Parameter

If a rule is defined using Remaining Due Values, it will be mandatory to select the Due parameter, which can either be the Flying Hours or the Flying Cycles. If allocation based on advanced allocation rules is set as applicable in the **Set Inventory Process Parameters** screen, stock available in the warehouse that satisfies the rules defined based on Remaining Due Days/Values will alone be allocated, for the Component parts. If Maintenance Program is not defined for a Component part, but allocation rule with Remaining Due Days/Values is defined for it, stock will not be allocated as due days/values will not be available for the serial #.

**Exhibit 1:** Identifies the additional parameters added in **Stock Allocation Rules** Screen

The screenshot shows the 'Allocation Rules' screen in the Ramco Aviation Solution. The main window displays a table of rules with columns for Rule ID, Rule Description, Effective From, and Effective To. A pop-up window titled 'Rule Info' is open, showing the details of a rule with Rule ID SAR000060 and Rule Description Due-01. The rule is defined with three conditions: 'Remaining Due Days' greater than 180, 'Remaining Due Values' greater than 500, and 'Due Parameter' equal to 'FH'. A yellow callout box points to the 'Remaining Due Values' and 'Due Parameter' fields, stating: 'Remaining Due Days, Remaining Due Values and Due parameter added in the Rule parameters'.

## WHAT'S NEW IN STOCK ISSUE?

### Ability to record Consignment Consumption report using Customer PO # as a source for assigning PSO

Reference: APRP-838

#### Background

Consignment Consumption Report is the provision by which the details of the Parts consumed by Customers for a given period of time can be updated, when the Parts are provided on Consignment (Vendor Managed Inventory) basis. Currently, Part # and Lot # are mandatory in this report and based on this combination system suggests the Part Sale order against which this stock was provided on Consignment basis.

Business need is relax this validation and enable recording of Consignment Consumption report using the Customer PO reference or even the direct Part Sale Order reference, which is commonly shared by the Customer. In addition to that, business need is to enable sourcing of Consignment Part Sale Orders through Stock transfer from warehouses other than the requesting warehouse.

#### Change Details

In the **Manage Consignment Consumption Reporting** screen,

1. In the **Consumption details** tab new column "Customer PO #" is added. Based on the "Customer PO #" entered in the column, the Part sale order created against it can be retrieved on click of the "Get Sale Order Ref."
2. In the **Sale order Line Level Summary** tab, new columns "Customer PO #", "Mfr. Serial #", "Mfr. Lot #" and "Lot #" are added to display the details from the stock sourced against the Part Sale Order.

On generation of the Consumption Report, the details of the Sale Orders that are identified can be reviewed in the Sale Order Line level Summary tab.

In the Storage Administration, the transactions permitted in the Consignment Warehouse have been validated to support only the transactions related to the Source of Consignment part sale order, including Stock Transfer Receipt. On confirmation of the direct issue recorded against Consignment Part Sale Order, provision to automatically generate invoice for the Part Sale Order, by grouping the Parts at Customer PO/Consumption Report level is provided, using option settings added in the **Manage Additional Options** screen of the Customer component

Exhibit 1: Displays the new column added in Manage Consignment Consumption Reporting screen

★ Manage Consignment Consumption Reporting
RAMCO OU-ramco role

Record Modify View
Consumption Rep. # MI000025
Go

**Consumption Report Details**

|                        |                          |                      |
|------------------------|--------------------------|----------------------|
| Rep. # MI000025        | User Status              | Status Confirm       |
| Report Date 03-09-2020 | Category Consignment     |                      |
| Reporting for Customer | Trading Partner # 400007 | Name                 |
| Notes                  | Remarks                  | Cancellation Remarks |

**Consumption Details** | Sale order line level summary

| # | ERR | Part #            | Mfr.Srl. # | Mfr. Lot # | Lot #           | Customer PO # | Quan  | UOM | Part Description  | Ref.Doc. Type   | Ref. Doc. # |
|---|-----|-------------------|------------|------------|-----------------|---------------|-------|-----|-------------------|-----------------|-------------|
| 1 |     | 00000584:D2269_LT |            | LOT_2      | LOT-007609-2020 | CPO2          | 1.000 | EA  | 00000584:D2269_LT | Part Sale Order | P0001865    |
| 2 |     |                   |            |            |                 |               |       |     |                   |                 |             |

Newly added column

Get Sale Order Ref.

Upload Documents
View Associated Doc. Attachments

## WHAT'S NEW IN WARRANTY MANAGEMENT?

### Ability to transfer the Component Warranty Reference details during Exchange

Reference: APRP-49

#### Background

Whenever Parts are exchanged with vendors, based on the terms and conditions agreed, mostly the remaining Warranty in the unit that is provided to the vendor gets transferred to the received unit, unlike the outright purchases where the received unit will come with an entire warranty life as agreed in the Warranty agreement. Currently, the exchanges need to be tracked manually and the details of the Warranty should be updated on the received units. Business need is to have the warranty details updated automatically on different Exchange cycles, instead of having a manual track.

#### Change Details

On Goods Receipt, Repair Receipt and Rental Receipt, the Component Warranty details that were available for the unit issued will be copied to the unit received, if they are exchanged. For enabling this, the following set options are added in the **Purchase Option Settings** screen of the **Logistics Common Master** business component, under the category "Warranty".

- 1) Transfer of Warranty References on Repair Exchanges
- 2) Transfer of Warranty References on Purchase Exchanges
- 3) Transfer of Warranty References on Rental Exchanges
- 4) Warranty References to be transferred on Repair Exchanges
- 5) Warranty References to be transferred on Purchase/Rental Exchanges
- 6) Status of the Component Warranty References automatically generated on Exchanges

The following will be the behavior in which the warranty transfer will be enabled.

- 1) Claim Reference - The Warranty Reference against which the Claim is identified to be recorded will be transferred to the received unit
- 2) All Active warranty reference - All Active warranty references available for the source part will be transferred to exchanged part serial.
- 3) All Warranty References - All warranty reference available for the source part will be transferred to exchanged part serial, irrespective of the Warranty reference status.

The status in which the Component Warranty gets generated will be determined by the other option, "Status of the Component Warranty References automatically generated on Exchanges", along with the Warranty Start Reference defined in the Warranty Agreement.

Exhibit 1: Set options in the Purchase Option Settings screen

The screenshot displays the 'Purchase Option Settings' interface. At the top, there are several dropdown menus for general settings such as 'Part Not Mapped to Supplier', 'Allow Supplier as Manufacturer Reference', and 'Allow Movement to Different Warehouse'. Below these is the 'Additional Purchase Options' section, where the 'Warranty' category is selected. A yellow callout box points to a table of newly added set options.

| #  | Category | Parameter  | Permitted Value   | Value | Status  | Error Message |
|----|----------|--|---|-------|---------|---------------|
| 7  | Warranty | Transfer of Warranty References on Purchase Exchanges              | Enter '0' for 'Not Required', '1' for 'Required'  | 1     | Defined |               |
| 8  | Warranty | Transfer of Warranty References on Rental Exchanges                | Enter '0' for 'Not Required', '1' for 'Required'  | 1     | Defined |               |
| 9  | Warranty | Transfer of Warranty References on Repair Exchanges                | Enter '0' for 'Not Required', '1' for 'Required'  | 1     | Defined |               |
| 10 | Warranty | Warranty References to be transferred on Purchase/Rental Exchanges | Enter '1' for 'All Active Warranty References', '2' for 'All Warranty References'                 | 2     | Defined |               |
| 11 | Warranty | Warranty References to be transferred on Repair Exchanges          | Enter '1' for 'Claim Reference', '2' for 'All Active Warranty References', '3' for 'All Warranty' | 1     | Defined |               |

At the bottom of the screen, there is a 'Set Options' button and a 'Record Statistics' section showing 'Last Modified by: DMUSER' and 'Last Modified Date: 05-12-2020'.

## WHAT'S NEW IN STOCK ISSUE?

### Ability to have Smart Search for Part # and Aircraft Reg. #

*Reference: APRP-981*

#### Background

Part # which is issued and the A/C Reg. # to which the Parts got issued are some of the frequent search filters used to retrieve the Issue documents. Currently, in Create/Edit/View/Confirm Stock Issue entry screens, these values are to be entered without any system assistance like Smart Search and this might lead to typo errors. Hence provision to enable Smart Search for Part # and Aircraft Reg. # is required in these screens.

#### Change Details

Smart Search is enabled for Part # and Aircraft Reg. # fields in the select screens of the following activities:

- Create General Issue
- Create Stock Transfer Issue
- Create Repair Order Issue
- Create Maintenance Issue
- Create Loan/Rental Issue
- Create Exchange/Subcontract Issue
- Edit Issue
- Edit Direct/Unplanned Issue
- Confirm Issue
- Confirm Direct/Unplanned Issue
- View Issue

If the user enters a value in the Part # field, system displays the Smart Search call out loading the Part # and Part Description matching the user's input.

If the user enters a value in the Aircraft Reg. # field, system displays the Smart Search call out loading the Aircraft Reg. #, Aircraft Model and Manufacturer Serial matching the user's input.

Exhibit 1: Identifies the Part # Smart Search in Edit Issue screen

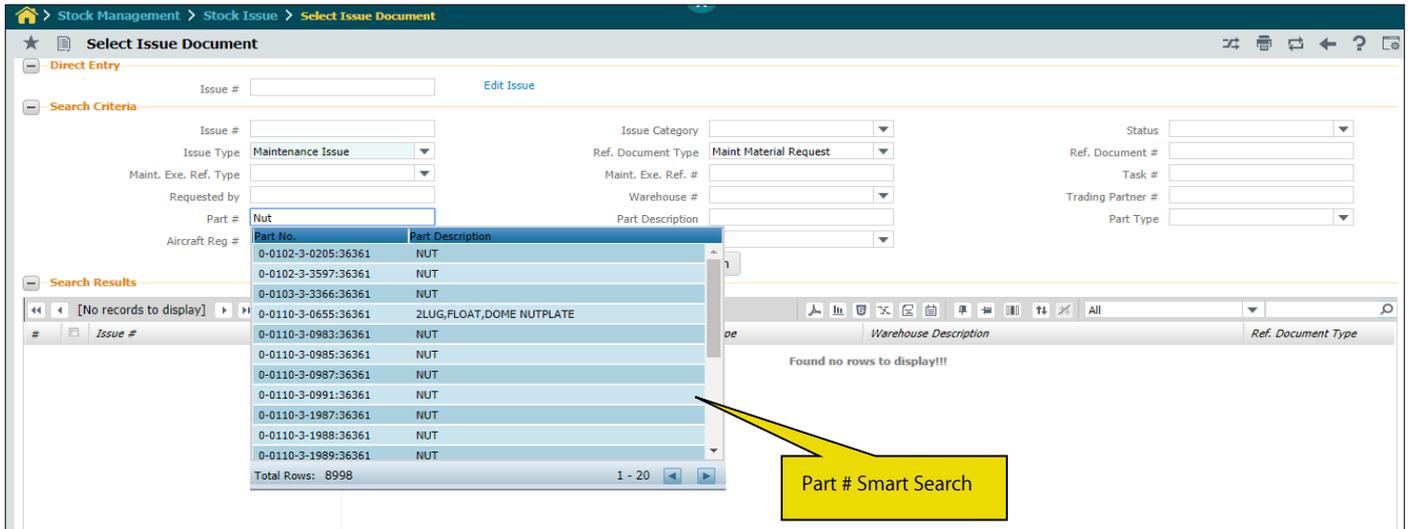
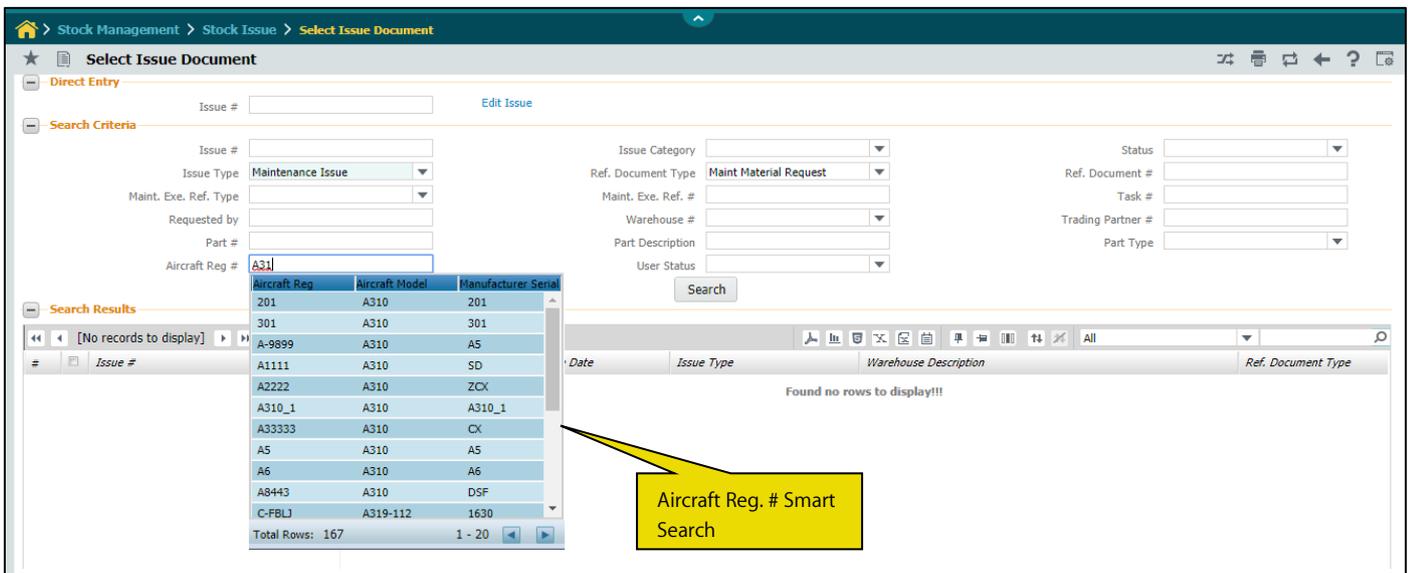


Exhibit 2: Identifies the Aircraft Reg. # Smart Search in Edit Issue screen



## WHAT'S NEW IN RENTAL ORDER?

### Ability to generate a Rental Order Report

Reference: APRP-496

#### Background

In general, for any order document shared with a Supplier/Customer, a form report of the order gets provided as a formal approval. This is applicable for all orders like Purchase Order, Repair Order, Loan Order, etc. Business need is to have a form report for the Rental order document. The Rental Order document should be printed from the Rental Order processing screens.

#### Change Details

A new form report for displaying the key details of a Rental Order document is developed. This Rental Order report will have all the main information of a Rental Order grouped in the following sections.

- Customer Details
- Order Details
- Ship To Details
- Calendar based Lease Charges
- Parameter based Lease Charges
- Other Charges
- TCD Details
- Document Approval Authority and Report timestamp details

A new link **Generate Rental Order Report** is added in the link section of the following screens:

- Create Rental order.
- Edit Rental Order
- Select Rental Order (Edit)
- View Rental Order
- Select Rental Order (View)
- Amend Rental Order
- Select Rental Order (Amend)

On click of the **Generate Rental Order Report** link, the system generates the **Rental Order Report** with details available in the rental order. .

Exhibit 1: View Rental Order screen

★ View Rental Order
RAMCO OU-Ramco Role

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**Calendar based Lease Charges**

| # | From Period | To Period | UOM  | Flat Rate / UOM | Percent of Rental Price / UOM | Lease Charges | Remarks |
|---|-------------|-----------|------|-----------------|-------------------------------|---------------|---------|
| 1 | 1           | 10        | Days |                 | 1.00                          | 15.00         |         |

---

**Parameter based Lease Charges**

**User Defined Details**

|                        |                        |               |
|------------------------|------------------------|---------------|
| User Defined Detail -1 | User Defined Option -1 | Ref. Document |
| Remarks                |                        |               |

---

**Attachments**

|           |
|-----------|
| File Name |
|-----------|

---

View Terms and Conditions      View TCD Details      View Penalty Charges

View Shipping / Acknowledgement Information      View Consumption & Range Parameters

Upload Documents      View Associated Doc. Attachments      Generate Rental Order Report

---

**Record Statistics**

|                          |                                |
|--------------------------|--------------------------------|
| Created by: DMUSER       | Created Date: 22-04-2020       |
| Last Modified by: DMUSER | Last Modified Date: 23-04-2020 |
| Authorized by: DMUSER    | Authorized Date: 22-04-2020    |

New Link to generate rental order report

Exhibit 2: Rental Order Report

| Customer Details   |                                      | Order Details                      |                                 | Ship To                   |                                 |
|--|--------------------------------------|------------------------------------|---------------------------------|---------------------------|---------------------------------|
| Customer # : AERO SUPP INT   | Order Date : 26/01/2020              | Priority : ACG                     | Ship To # :                     |                           |                                 |
| Name : AERONAUTICAL SUPPORT  | Order Type : Regular                 | Currency : INR                     | Description :                   |                           |                                 |
| Address : INTERNATIONAL  | Customer Ref # : REF-242342-2019     | INCO Term :                        | Address :                       |                           |                                 |
| 11 sivasanmugam street,  | Pay Term : 100% ADVANCE              |                                    | Contact :                       |                           |                                 |
| Contact : saranramasamay   |                                      |                                    | E-Mail :                        |                           |                                 |
| E-Mail : aerosaranramasamy@gmail.com   |                                      |                                    | Phone :                         |                           |                                 |
| Phone : 27263748   |                                      |                                    | Fax :                           |                           |                                 |
| Fax : 84758 3578724 2424   |                                      |                                    |                                 |                           |                                 |
| Base Price : 200.56  | Loan Period : 10 Years               | Expected Usage                     | Aircraft Reg # : 9K-CAM         | Category : ONE YEAR LEASE | Return To Station : HYD         |
| Part # : D258127260000   | Part Description : BLANKET FWD CARGO | Serial # / Lot # : LNG-017523-0719 | Condition : New                 | Qty : 1 EA                | Agreement # : AGR-24234242-2020 |
| <b>Calendar Based Charges</b>  |                                      |                                    |                                 |                           | <b>70.20</b>                    |
| From Period  | To Period                            | UOM                                | Rate / UOM                      | % Charges / UOM           | Charges for Period              |
| 1  | 5                                    | Years                              |                                 | 5.00                      | 50.14                           |
| 6  | 10                                   | Years                              |                                 | 2.00                      | 20.06                           |
| <b>Other Charges</b>   |                                      |                                    |                                 |                           | <b>812.91</b>                   |
| Charge Head  | Rate                                 | Rate Basis                         | Charge                          |                           |                                 |
| Loan Initiation / Availability Fee   | 789.35                               | Fiat                               | 789.35                          |                           |                                 |
| Additional Handling Charges  | 23.56                                | Fiat                               | 23.56                           |                           |                                 |
| <b>Total Order Cost</b>  |                                      |                                    |                                 |                           | <b>883.11</b>                   |
| <b>Remarks</b>   |                                      |                                    |                                 |                           |                                 |
| <b>Terms &amp; Conditions</b>  |                                      |                                    | <b>Approving Authority</b>      |                           |                                 |
| All items taken on loan shall be returned directly to Return to address irrespective of the station of issue of the item within period specified |                                      |                                    | Date                            | Name                      | Signature                       |
|  |                                      |                                    | <b>Customer Acknowledgement</b> |                           |                                 |
|  |                                      |                                    | Date                            | Signature                 |                                 |
| Generated Date & Time : 04/Feb/2020 05:00:50 PM      Date & Time Format : dd/mm/yyyy hh:mm:ss AM/PM      Page 1 of 1                             |                                      |                                    |                                 |                           |                                 |

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