

ramco

**RAMCO AVIATION SOLUTION
VERSION 5.8**

USER GUIDE

FLEET OPERATIONS

HUB

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ABOUT THIS MANUAL

This manual briefly describes the basic processes and functions in Ramco Aviation Solution.

WHO SHOULD READ THIS MANUAL

This manual is intended for users who are managing the Aviation industry processes and are new to Ramco AviationSolution. This manual assumes that the user is familiar with the Aviation Industry nomenclatures and systems based software.

HOW TO USE THIS MANUAL

Ramco Aviation Solution provides extensive Online Help that contains detailed instructions on how to use the application. Users are suggested to use this manual for specific references, along with the Online Help. This manual contains enough information to help the users perform the basic tasks and points toward the Online Help for more detailed information.

HOW THIS MANUAL IS ORGANIZED

The User Guide is divided into 2 chapters and index. Given below is a brief run-through of what each chapter consists of.

Chapter 1 provides an overview of the entire **Fleet Operations** business process. The sub processes are explained in the remaining chapters.

Chapter 2 focuses on the **Fleet Operations Hub** sub process.

The **Index** offers a quick reference to selected words used in the manual.

DOCUMENT CONVENTIONS

- The data entry has been explained taking into account the “Create” business activity. Specific references (if any) to any other business activity such as “Modify” and “View” are given as “Note” at the appropriate places.
- **Boldface** is used to denote commands and user interface labels.
Example: Enter **Company Code** and click the **Get Details** pushbutton.
- Italics used for references.
Example: *See Figure 1.1.*
- The  icon is used for Notes, to convey additional information.

REFERENCE DOCUMENTATION

This User Guide is part of the documentation set that comes with Ramco Aviation Solution.

The documentation is generally provided in two forms:

- The Documentation CD in Adobe® Systems’ Portable Document Format (PDF).
- Context-sensitive Online Help information accessible from the application screens.

WHOM TO CONTACT FOR QUERIES

Please locate the nearest office for your geographical area from www.ramco.com for assistance.

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INTRODUCTION

The **Fleet Operations Hub** provides a dashboard for the Communication Center to review the Aircrafts which are in service and are allocated to the base. They can view the base from where they are getting a call and refer the dashboard if there is any Aircraft allocated at that base or not and accordingly call Pilots to proceed with flight request.

When Pilot submits the Risk assessment, OCC team refers the Fleet Operations Hub and checks the following three key information before approving the Risk Assessment:

1. Whether Aircraft is good to Fly i.e. the aircraft is not under any maintenance and there are no open discrepancies and overdue tasks.
2. Whether the Work Center is available or not.
3. Weather conditions are good or not.

The Tech Records team can review, track the Aircraft location and also refer the Aircraft 'Notes'. as well.

FLEET OPERATIONS HUB

The **Fleet Operations Hub** is a centralized screen space where the details of Aircraft and the WC's condition, Aircraft's location, the latest RA score on an Aircraft, Notes for an Aircraft, unallocated Aircrafts, are available to satisfy the different needs of the Communication Center, OCC, Tech Records, Pilots, Mechanics and the DoM,. This serves as a Hub where multiple roles can refer to information that is needed for them and take necessary actions.

Fleet Operations Hub can be used for viewing if an Aircraft is 'In Service' or 'Out of Service', if the WC's Operational status is 'operational'/'not-operational' and if the WC's Weather status is good/bad/moderate. Fleet Operations Hub will display information on the latest Notes available for an Aircraft.

2.1 WORKING WITH FLEET OPERATIONS HUB

The **Fleet Operations Hub** provides a dashboard view to watch the fleet availability along with work center's operational/weather status and to review the Aircraft/Work Center's condition as on a date/time.

1. Select the **Fleet Operations Hub** activity under the **Flight Log** business component in **Flight Operations** business process. The **Fleet Operations Hub** page appears. See *Figure 2.1*.

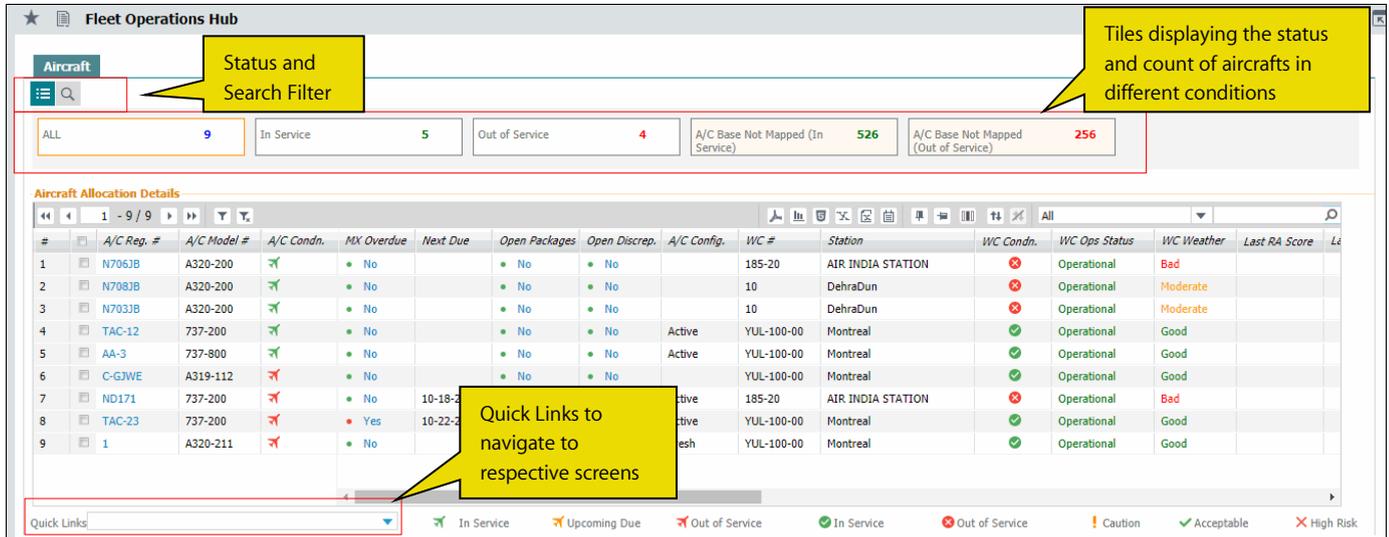


Figure 2.1 Fleet Operations Hub

2. In the **Aircraft** tab, user can view the Aircraft statuses and Aircraft allocation details based on the Status filter criteria and Search filter criteria specified.

The Condition of the Aircraft is determined based on the following logic:

In Service – The A/C Condition is 'In Service', if ALL the following conditions are satisfied:

- 'MX Overdue' is 'No'.
- 'Open Packages' is 'No'.
- 'Open Discrepancies' is 'No'.
- The 'Next Due On' date falls outside the time window provided against the process parameter "Time Window from the current date within which if any tasks fall due, will result in A/C Condn. as Upcoming Due?" set in the **Define Process Entities** activity of the **Common Master** business component.
- 'A/C Config.' field value is 'Active' (this condition is checked only if the process parameter 'Inherit A/C Config's status in arriving at 'A/C Condn' in Fleet Operations Hub?' is set as 'Yes' in the **Define Process Entities** activity of the **Common Master** business component).
- A/C Assembly status is 'Complete' (this condition is checked only if the process parameter 'Inherit A/C Config's status in arriving at 'A/C Condn' in Fleet Operations Hub?' is set as 'Yes' in the **Define Process Entities** activity of the **Common Master** business component).
- Aircraft is operational.

Out of Service – The A/C Condition is 'Out of Service', if ANY of the following conditions is satisfied:

- 'MX Overdue' is 'Yes'.
- 'Open Packages' is 'Yes'.

- 'Open Discrepancies' is 'Yes'.
 - 'A/C Config.' field value is other than 'Active' (this condition is checked only if the process parameter 'Inherit A/C Config's status in arriving at 'A/C Cond'n' in Fleet Operations Hub?' is set as 'Yes' in the **Define Process Entities** activity of the **Common Master** business component).
 - A/C Assembly status is 'Dormant' or 'Error' (this condition is checked only if the process parameter 'Inherit A/C Config's status in arriving at 'A/C Cond'n' in Fleet Operations Hub?' is set as 'Yes' in the **Define Process Entities** activity of the **Common Master** business component).
 - Aircraft is 'Under Maintenance' or 'Phased Out'.
3. The following tiles are displayed along with the count of the aircraft in different conditions.
 - All – Indicates the total count of the aircrafts that are 'In Service' and 'Out of Service' and that are allocated to the active Work Centers (for the current date/time) for which the login user has access rights.
 - In Service - Indicates the total count of the aircrafts that are 'In Service' and that are allocated to the active Work Centers (for the current date/time) to which Login user has access rights.
 - Out of Service - Indicates the total count of the Aircrafts that are 'Out of Service' and are allocated to the active Work Centers (for the current date/time) to which Login user has access rights.
 - A/C Base Not Mapped (In Service) - Indicates the total count of the Aircrafts that are left unallocated to any active Work Centers (for the current date/time) and are 'In Service'.
 - A/C Base Not Mapped (Out of Service) - Indicates the total count of the Aircrafts that are left unallocated to any active Work Centers (for the current date/time) and are 'Out of Service'.
 4. On click of the tiles, the corresponding Aircraft Allocation details are retrieved in the multiline.

In the **Aircraft Allocation Details** multiline,

5. The hyperlinked **A/C Reg. #** launches the **View Aircraft Record** screen to view the additional details for an aircraft (E.g. the ownership details, other parameter info etc.).
6. The **A/C Model #** indicates the model number of the Aircraft.
7. The **A/C Cond'n.** displays one of the following Icons:

-  - In Service
-  - Out of Service
-  - Upcoming Due

*Note: Upcoming Due icon  will be displayed if the next due task to be performed in the corresponding aircraft falls within the days as specified in the process parameter "Time Window from the current date within which if any tasks fall due, will result in A/C Cond'n. as 'Upcoming due?'" in the **Define Process Entities** activity of the **Common Master** business component.*

8. The **MX Overdue** indicates if any tasks/discrepancies are overdue to be performed/closed on the aircraft as on the current date/time which could be 'No' or 'Yes'. On click of the hyperlink, the **Aircraft Maintenance Due report** screen is launched to view the overdue tasks that are to be performed on an aircraft.

Note: Discrepancies that were deferred and not yet closed within the deferral limits will also be considered as Overdue.

9. The **Next Due** displays the date of the very next task/discrepancy that is due to be performed on the aircraft from the Due List available for the Aircraft.

10. The **Open Packages** indicates if any packages are available that are open for the corresponding aircraft as on the current date/time which could be 'No' or 'Yes'. On click of the hyperlink, the **Select Execution Ref #** screen is launched to view the open packages that are to be performed on an aircraft.

*Note: The value under the Open Packages column will display as 'Yes' or 'No' based on the process parameter "Package statuses to be considered for "Open Packages" list?" from the **Define Process Entities** activity of the **Common Master** business component.*

11. The **Open Discrep.** indicates if any discrepancies are in 'under-resolution' or 'pending deferral' or 'pending' status for the corresponding aircraft as on the current date/time which could be 'No' or 'Yes'. On click of the hyperlink, the **Select Discrepancy** screen is launched to view the open discrepancies that are pending to be closed on an aircraft.

12. The **A/C Config.** displays the corresponding configuration status of the Aircraft which could be 'Active' or 'Inactive'.

13. The **WC #** identifies the Base/Work Center to which the Aircraft is mapped from the **Allocate Aircraft to Field Base** screen and the **Station** field identifies the station mapped to the corresponding Work Center.

14. The **WC Condn.** displays one of the following Icons:

-  - In Service
-  - Out of Service

On click of the icon, [WC Weather & Operation Status pop-up](#) appears. The Work Center condition is determined based on the following logic:

In Service – The W/C Condition is 'In Service', if all the following conditions are satisfied:

- 'WC Ops Status' is 'Operational'.
- The value of 'WC Weather' is 'Good' or 'Moderate'(Moderate- only if the process parameter "Display WC Condn. as 'Out of Service' if WC Weather is 'Moderate'?" is set as 'No' in the **Define Process Entities** activity of the **Common Master** business component).

Out of Service – The W/C Condition is 'Out of Service', if any of the following conditions is satisfied:

- 'WC Ops Status' is 'Not Operational'.
 - The value of 'WC Weather' is 'Bad' or 'Moderate'(Moderate- only if the process parameter "Display WC Condn. as 'Out of Service' if WC Weather is 'Moderate'?" is set as 'Yes' in the **Define Process Entities** activity of the **Common Master** business component).
15. The **WC Ops Status** indicates the operational status of the work center which is set in the **WC Weather & Operation Status** pop-up.
16. The **WC Weather** indicates the weather of the work center which is set in the **WC Weather & Operation Status** pop-up.
17. The **Last RA Score** indicates the latest Risk Assessment score of the Pilot for the Aircraft. On click of the hyperlink, the **Manage Risk Assessment** screen is launched to view the latest Risk Assessment on an aircraft so that he/she can get to know if the pilot is eligible for being allocated to the aircraft for the trip/request, along with the Crew.
18. The **Last RA Status, Last RA By, Last RA #** fields for the Aircraft are displayed.
19. The **Last JL #** indicates the latest recorded Journey Log # for the aircraft. On click of the hyperlink, the **View Journey Log** screen is launched to assist the user in allocating the aircraft to a request. The date in which the JL # was recorded is displayed in '**Last JL On**' field.
20. The **Last Package Status** indicates the status of the latest Package # against the aircraft which could be 'In Progress', 'Completed', 'Closed' or 'Planned'. System checks if any packages are available for the corresponding Aircraft in the following hierarchical order: In Progress, Completed, Closed and Planned.

21. The **Last Package #** identifies the latest package # against the aircraft. On click of the hyperlink, the **View Execution Ref #** screen is launched to view the last executed package # so that he/she can get to know the details of the work done/pending against it.
22. The **Notes** field displays the latest Notes available for the corresponding 'Aircraft Reg. #' provided in the **Edit Notes** screen.
23. The **WC Weather Modified On, WC Remarks, Last Modified By** and **Last Modified On** fields are displayed.

To proceed, carry out the following:

- ▶ Select the **Allocate Aircraft to Maintenance Base** Quick Link to launch the **Allocate Aircraft to Field Base** screen.
- ▶ Select the **Approve Risk Assessment** Quick Link to launch the **Approve Risk Assessment** screen.
- ▶ Select the **Edit Notes** Quick Link to launch the **Edit Notes** screen for the selected Aircraft Reg. #.
- ▶ Select the **Due Items** Quick Link to launch the **Aircraft Maintenance Due Report** screen.
- ▶ Select the **View Aircraft Exe. Ref. #** Quick Link to launch the **Select Execution Ref #** screen.
- ▶ Select the **View Discrepancies** Quick Link to launch the **Select Discrepancy** screen.
- ▶ Select the **View Aircraft Configuration** Quick Link to launch the **View Aircraft Configuration** screen for the selected Aircraft Reg. #.
- ▶ Select the **View Risk Assessment** Quick Link to launch the **Review Risk Assessment** screen.
- ▶ Select the **View Notes** Quick Link to launch the **View Notes** screen for the selected Aircraft Reg. #.

WC Operation & Weather Status pop-up

This pop-up enables the user to view and set/modify the Operational Status and Weather Status of the Work Center.

1. Click the **WC Condn.** icon in the **Aircraft Allocation Details** multiline of the **Fleet Operations Hub** screen. The **WC Weather & Operation Status** pop-up appears. See *Figure 2.2*.

The screenshot shows a pop-up window titled "WC Weather & Operation Status". The window contains the following fields and controls:

- WC #**: 185-20
- WC Desc.**: PLUMBING/FABRICATION
- Station**: New York
- WC Condition**: Indicated by a green checkmark icon.
- WC Operational Status**: A dropdown menu currently set to "Operational".
- WC Weather Status**: A dropdown menu currently set to "Moderate".
- WC Remarks**: A text input field containing "Based on latest update".
- Save**: A button at the bottom center of the window.

Figure 2.2 WC Weather & Operation Status pop-up

2. The **WC #, WC Desc., Station** and **WC Condition** of the Work Center are displayed in the pop-up.
3. Select the **WC Operational Status** of the Work Center which could be 'Operational' or 'Not Operational'.
4. Select the **WC Weather Status** of the Work Center which could be 'Good', 'Moderate' or 'Bad'.
5. Enter the **WC Remarks** pertaining to the Work Center.
6. Click the **Save** pushbutton to record the Operational Status, Weather Status and Remarks of the Work Center.

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Corporate Office and R&D Center

RAMCO SYSTEMS LIMITED

64, Sardar Patel Road, Taramani,

Chennai – 600 113, India

Office : + 91 44 2235 4510 / 6653 4000

Fax : +91 44 2235 2884

Website : www.ramco.com