# ramco

## **Ramco Aviation Solution**

## Version 5.7.5

## **Enhancement Notification**

Maintenance



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### WHAT'S NEW IN ENGINEERING ORDER?

### Enhancements in Manage Eng. Document

Reference: AHBF-9204

### Background

The **Schedules** tab of the **Manage Eng. Document** screen must hold the capability to update schedules of already initialized tasks. Currently, modifications in the schedules of initialized tasks are not carried over to maintenance programs.

### **Change Details**

A new process parameter "Allow Initialized Schedules Update from Schedules tab?" added under '—All Eng. Doc.—' entity of 'Eng. Doc. Type' entity type in Common Master business component will decide whether the system must update changes in schedules of initialized tasks from the Schedules tab of the Manage Eng. Document screen to maintenance programs. With this enhancement, users have the flexibility of resetting task schedules post task initialization through eng. documents.

The system behavior based on the value of the process parameter "Allow Initialized Schedules Update from Schedules tab?" is described below:

- '0' (No): In the Initialize Eng. Doc. Schedules screen, the task schedules do not get updated with modifications happening in the Schedules tab of the Manage Eng. Document Screen subsequent to initialization.
- '1' (Yes): In the Initialize Eng. Doc. Schedules screen, the task schedule information get updated from the Schedules tab of the Manage Eng. Document screen at all times.

For example, consider an eng. document task 'T1' whose schedules have been initiated via the **Initialize Eng. Doc Schedules** screen by a user. The user later revisits the **Schedules** tab of the **Manage Eng. Documents** screen and modifies task schedules of task T1.

 Modified task schedules information in the Schedules tab is carried over to the Initialize Eng. Doc Schedules screen, if the value of the process parameter "Allow Initialized Schedules Update from Schedules tab?" is '1'(Yes).

• Alternately, if the process parameter value is '0' (No), the **Initialize Eng. Doc Schedules** screen does not reflect any changes made to the schedule of task T1 in the **Schedules** tab of the **Manage Eng. Document** activity. In this setting, the **Initialize Eng. Doc Schedules** screen remains the final schedule auditing screen of eng. document tasks. This means for an initialized task, no schedule modifications are permitted from the **Schedules** tab of the **Manage Eng. Document** activity. **Exhibit 1:** A new process parameter governs the schedules update of initialized tasks from Eng. documents

				44 4 1	2 3	4 2 7 17	1 /12 1000 -2+ 1	5 PT 4
itity Details							<u></u>	
Record Status A	ng. Dac Type ctive		Proce	ss Parameters De	fined? Yes	eng. Doc		
€ 1-4/4 <b>→</b> ₩ <b>+ Y Y</b>			A LE U X		8 9 B	Al	<b>.</b>	Q
Process Parameter	Permitted Values			Value	Status		Error Message	
Tree Sorting basis in Manage Engineering Document	Enter "0" for 'Eng	Doc. #', "1" for 'Ascending order of	Effec. from Date', "2"	1	Defined			
Update Next Sch. Date in maintenance program on release	of future dated Eng. Enter "0" for 'No'	, "1" for 'Yes'		1	Defined			
Allow MCR creation with zeroth revision?	Enter "0" for 'No',	"1" for 'Yes'		0	Defined			
Allow initialized schedules update from schedules tab?	Enter "0" for 'No',	"1" for 'Yes'		0	Defined			
				New pr schedu tasks fr	ocess le upda om enq	parameter ate of initia g. docume	r for alized ents.	

Exhibit 2: The schedules of already initialized tasks get updated from the Schedules tab of the Manage Eng. Document screen to the Initialize Eng. Doc. Schedules screen, if "Allow Initialized Schedules Update from Schedules tab?" is '1'(Yes).

A Sengineering Change Management > Engineering	neering Document > Manage Eng. Document			
★ 🗎 Manage Eng. Document		44	4 1 2 3 4 5 <b>) )</b> 1 /4	8
● Eng. Doc. / MCR ● MCR ● Eng. Doc.	Eng. Doc. #/Rev. #	Applicability	Status	
Search Document	▲EO-000519-2015 / 0	Aircraft	Released	
E0 Search	◎ Create ◎ Edit ◎ Revise	View		
E	Main 🛹 Effectivity 📋 Tasks	📅 Schedules 📒 Reference 📑 Mo	re Information	
EO-000520-2015 / 0 :: :: Released	- Schedule Details			
EO-000002-2011 / 0 :: Reliabi :: Fresh	Effec. from Date	Schedule Control Level		
EO-000003-2011 / 1 :: Reliabi :: Fresh	2011:03:10	At App. Group  At Eng. Docur	ment	
E0-000004-2011 / 1 :: Testing :: Released	Task Identifier			
EO-000005-2011 / 0 :: testing :: Fresh	Task # / App. Group #	Description	Effectivity List	
EO-000007-2011 / 0 :: MCR-002 :: Fresh		4 ·	∡ B/3/-1-AC-REG-01	
+ Process Change	- Calendar Schedules			
- Links	Time Unit	Update Basis	Alert Value	
View Process Change Request	Threshold	Threshold Date	Repeat Interval	
View Configuration Change Information	5.00	2011:03:15		2.00
View New Part Requirements	Positive / Negative Tolerance	Terminating Value	Terminating Date	
View Authorisation Status Log				1
View Notes	Usage Schedules			
	4 4 1 -1/1 » »» + - D a		3 C II II AL	٩ 🔻
	# Parameter Threshold Interval	Threshold Re	epeat Positive Ne	gative Alert
	1 FC ¥			
	2			
		Task schedules of initia	alized tasks from the Scl	hedules tab of
	4	Manage Eng. Document	t screen flows to the Initiation	alize Eng. Doc
		Schedules screen based	on option. Subsequently	, the schedule
	Revision comments	information is copied	to maintenance progra	ams from the
		Initialize Eng. Doc. Sch	edules screen on the re	elease of eng.
		documents thru the Rele	ase Eng. Document scre	en
	Initialize Eng. Doc. Schedules		aso Eng. Dooumont solo	
				1
	Record Statistics			

The system behavior in conjunction wi	"Action on Revision" is illustrated in the below table:
---------------------------------------	---

Process Parameter value	Action on Revision	Schedule Type	Complied?	System behavior
0/No	Carry over compliance	One Time	Yes / No	Does not update task schedule changes in the "Initialize Eng. Doc. Schedules" activity.
1/Yes	Carry over compliance	One Time	Yes	Does not update task schedule changes in the "Initialize Eng. Doc. Schedules" activity.
1/Yes	Carry over compliance	One Time	No	Updates task schedule changes in the "Initialize Eng. Doc. Schedules" activity.
0/No	Carry over compliance	Recurring	Yes / No	Does not update task schedule changes in the "Initialize Eng. Doc. Schedules" activity.
1/Yes	Carry over compliance	Recurring	Yes / No	Updates task schedule changes in the "Initialize Eng. Doc. Schedules" activity.
0/No	Re-comply	One Time / Recurring	Yes / No	Does not update task schedule changes in the "Initialize Eng. Doc. Schedules" activity.
1/Yes	Re-comply	One Time / Recurring	Yes / No	Updates task schedule changes in the "Initialize Eng. Doc. Schedules" activity.

## WHAT'S NEW IN INITIALIZE MAINT. PROG. & UPDATE COMPLIANCE ?

## Ability to grant / control transaction rights in IMPUC based on options settings

Reference: AHBF-5128

### Background

**Initialize Maint. Prog. & Update Compliance** screen allows user to perform various transactions like Work Compliance update, Schedule Information update. Once user has access to the IMPUC screen, user will be able to update the Work Compliance information and Schedule information on Aircraft Tasks & Tasks of components attached to Aircraft, components available in warehouse and components not available in warehouse and not attached to Aircraft - available in any receiving transactions.

Due to various business reasons like process controls, some users should be allowed to perform Work Compliance update only on components available in warehouse and not on components attached to Aircraft. Similarly user having access to record work compliance should not be allowed to update program schedule information.

### **Change Details**

To address the above business need to grant transaction rights in IMPUC screen, a new process parameter has been added in the **Define Process Entities** to configure whether additional restriction is required in IMPUC screen usage.

If this option is disabled, then existing IMPUC behavior will be retained.

If this option is enabled, system will check whether login user role has access rights to perform transactions in IMPUC screen or not. If does not have rights, then he / she will not be able to perform the transaction.

Activity Name	Activity Desc	Access Granted	Remarks
ImpAllWrkComp	IMPUC_SysAct: Allow Work Compliance Update	User will be allowed to perform Work Compliance	Option work compliance will be available only if this activity is mapped to the user role
ImpAllPgSchUpd	IMPUC_SysAct: Allow Program Schedules Update	User will be allowed to update program schedule information	Option Update Schedule will be available only if this activity is mapped to the user role
ImpAllUpdAcAttComp	IMPUC_SysAct: Allow Update for A/C & Attached Components	User will be allowed to perform update on Aircraft Tasks and Tasks of Components attached to Aircraft	This activity needs to be mapped to allowed user role to perform compliance / schedule update for Aircraft Tasks and Tasks of Components attached to Aircraft
ImpAllUpdStckParts	IMPUC_SysAct: Allow Upd on Stocked Part Overriding WH rights	User will be allowed to perform update on Tasks of Components available in warehouse	This activity needs to be mapped to allow users to perform update on Tasks of components available in warehouse. If this activity is not mapped then user should have access to the warehouse where the component is currently available to perform Compliance / Schedules update
ImpAllUpdPartsNoStck	IMPUC_SysAct: Allow Update for Parts Not in Stock	User will be allowed to perform update on Tasks of Component not available in stock and not attached to Aircraft	This activity needs to be mapped to allow users to perform Compliance update / schedules update on Tasks of components that are not available in warehouse and not attached to Aircraft.

Access rights for the user role will be arrived based on following activity access rights.

### Exhibit 1: Set Process Parameters

0.	Set Process Parameters		<b>**</b> 2	< 昌 ⊅
	Entity Type Tech Records Process Ctrl	Entity Revie	w Records Update 🛛 🗙 🔻	
- Pro	Record Status Active	Process Parameters Defined? No		
- M	New Option is added	) i c c c c · · · · · · · · · · · · · · ·	AI	
#	Process Parameter	Permitted Values	Value	Status
1	Age Horizon (Days)	Enter a positive integer value	7	Defined
2	Allow maintenance issue of components with pending tech	Enter "0" for "Not Allowed" and "1" for "Allowed"	1	Defined
3	Allow reversal of Goods Inward records verified in Rev. w Records Update	Enter "0" for 'Not Allowed' , "1" for 'Allowed'		Not Defined
4	Additional restriction on IMPUC usage required?	Enter "0" for 'No', "1" for 'Yes'	0	Defined
5				

### WHAT'S NEW IN TECH RECORDS HUB?

### Ability to Build and Update and Configuration information of an entire Aircraft / Component assembly in one go – Configuration Tab

### Reference: AHBF-7430

### Background

Tech Records personnel maintains various information like Configuration, Program, Parameter and Eng. Documents. To maintain this information in the system, user needs to navigate to various business components and activities and update / review these information which is a time consuming process.

To Build Configuration information of an entire Aircraft, user needs to build the configuration information of the Aircraft by providing the Position code details for the first level assembly and then initialize the first level positions through ARL / initialize and update configuration screen. Once the first level information is build user needs to build other levels of configuration level by level which is an iterative process.

### **Change Details**

A new activity **Manage Aircraft / Component Records** is introduced under the **Technical Record** business component to facilitate Tech Records personnel to easily manage Technical records document information like Configuration, Program, Parameter and Eng. document from one place.

The Tech Records Hub facilitates user to perform updates on both Aircraft assembly or on a major component assembly.

### **Configuration Tab Features**

Following features are supported in **Configuration** tab in Technical Records Hub in addition to the existing configuration features:

- Build Configuration and Attach components in one go
- Build & Initialize entire assembly in one go
- Exception Management
- Modify / Correct Position codes
- Delete Position codes
- Add Previously Deleted Position codes
- Provide Mfr. Date for new components
- Initialize TSN and CSN Values for new components
- Validate as a separate function

- Save entered information as Draft
- Straight Through Processing
  - o Part Creation
  - Part Effectivity Definition
  - o Alternate Part Definition

### Build Configuration and Attach components in one go

With the new Tech Records hub, provision will be available for user to build configuration and update the installed part # serial information in one click. i.e. While updating the new position code information in the Aircraft / Component assembly, user will be able to update the installed Part # Serial # information.

### Build & Initialize entire assembly in one go

Provision will be available for user to Build & Initialize entire Aircraft / Component assembly. When check box 'Include Child' is checked, system will retrieve entire sub assembly information of the selected position code / record.

C	onfig	urat	tion Program						
(	Config.	Stat	us Fresh	Assy. Status Dormant	Revision # 0	Cntl. B	asis Part Ef	eckbox to include s	sub -
	≡	Q	Positions: Al 2	Pree 200 Man	adatory 3 Open Mand	atory 1 Error 0	as	semblies	Include Child
•			1 - 10 / 200	• • + - © +	7 2	<u>, e s x 6 s</u>	x1 C I =	II AI	T
		_	Q						
#	E	3	Level Code	Position Code	Config. Status	Position Code Status		Position Part # 🔎	Posi
1	1	3	1.3	210001010	Not Applicable	Active	*	510286D	(STC
2	E	ŧ	1.4	210001020	Not Applicable	Active	•	625-SMP-56-0088-1C	(STC
3	E	35	1.5	221001010	Not Applicable	Active	*	416-00297-006	MOC

### **Exception Management**

User will able to quickly review and retrieve exception information with the help of Exception Management button bars where exception information will be displayed along with Count of Exceptions.

Configuration Program			
Config. Status Fresh	Assy. Status Dormant	Revision # 0	Cntl. Bas
Positions: Al 20	2 Free 200 Mandatory 3	3 Open Mandatory 1	Error 0

### Modify / Correct Position codes

If the position code information is wrongly entered, provision will be available to update the correct position code by modifying the existing position code information.

### **Delete Position codes**

If an existing position code no longer needs to be tracked on an assembly, then that position code can be deleted from the assembly.

Note: Position code information can be deleted only if no component is attached to the assembly.

### Add Previously Deleted Position codes

Provision will be available to add the previously deleted position codes if required.

### Provide Mfr. Date for new Components

Provision will be available for user to specify Manufacturing date information for newly installed components.

### Initialize TSN and CSN values

Provision will be available for user to initialize the TSN and CSN values for new components.

### Validate

Provision will be available for user to validate and ensure that the entered information is correct prior to updating the information into system.

### Save Draft

If the configuration information is not completely available, then user can use the Save Draft function to save the entered information. When Save draft is invoked system will not validate any information but save the entered information as Draft. User can retrieve the Draft information and proceed with any time.

Note: Draft information will be available only within the Techrecords Hub screen for processing.

### Straight Through Processing (STP)

Provision will be available for user to quickly Create Part Information, Update Effectivity Information and Define Alternate Information without navigating away from Technical Records hub interface. User will be able to perform STP based on user role access rights.

### Exhibit 1: Tech Records Hub - Configuration tab

Aircraft	Aircra	aft Reg #	# 🔎 1119		4			本間の	? 🌣
Aircraft Reg # 1119	Aircraft	: Model #	EC135	Mfr. Serial	# 1119	Aircraft Status Under Creation		Ownership Owned	
^	Con	figural	tion Program						
1119    EC135	Co	nfig. Staʻ	tus Fresh	Assy. Status Dorm	ant Revision # 0	Cntl. Basis Part Effe	ectivity	Class EC135T2-	•
00-00									
312001020    C19258AA    INCLINOMETEI		0	Dasibiana		Mandahani 2 Onen Manda	the state of the s			
72-00		~	Positions: Al	ZUZ Free ZUU	manuatory 5 Open manua	atory I Error U		_	
210001010    510286D    (STCP) Gearbox	_					Inde	ude Ina	ctive Positions 📃 Inclu	de Child
210001020    625-SMP-56-00BB-1C    (ST		•	1 - 10 / 200	> > + - O	🛩 🍸 🍢	<u> </u>	-	III AI	T
221001010    416-00297-006    MODULE,			Q						
221001020    416-00298-010    CONTROL	#		Level Code	Position Code	Config. Status	Position Code Status		Position Part # 🔎	Posi
221001030    418-00876-250    ACTUATO	1	E 3	1.3	210001010	Not Applicable	Active	×	510286D	(ST
	2	E 1	1.4	210001020	Not Applicable	Active	×	625-SMP-56-00BB-1C	(ST
221001040    438-00100-030    GYRO, FC									
221001040    438-00100-030    GYRO, FC 221101010    438-00100-030    GYRO, FC	3	🗖 j	1.5	221001010	Not Applicable	Active	×	416-00297-006	MO
221001040    438-00100-030    GYRO, FC 221101010    438-00100-030    GYRO, FC 221201010    416-00293-120    COMPUTE	3 4	□ ; □ ;	1.5 1.6	221001010 221001020	Not Applicable Not Applicable	Active Active	•	416-00297-006 416-00298-010	CON
221001040    438-00100-030    GYRO, FC 221101010    438-00100-030    GYRO, FC 221201010    416-00293-120    GOMPUTE 221201020    418-00876-250    ACTUATO	3 4 5	5 5 7	1.5 1.6 1.7	221001010 221001020 221001030	Not Applicable Not Applicable Not Applicable	Active Active Active	• •	416-00297-006 416-00298-010 418-00876-250	MOI COM ACT
221001040    438-00100-030    GYRO, FC     221101010    438-00100-030    GYRO, FC     221201010    416-00293-120    COMPUTE     221201020    418-00876-250    ACTUATO     231201020-#1    011-00280-10    GNS 43	3 4 5 6	5 5 7 3	1.5 1.6 1.7 1.8	221001010 221001020 221001030 221001040	Not Applicable Not Applicable Not Applicable Not Applicable	Active Active Active Active	* * *	416-00297-006 416-00298-010 418-00876-250 438-00100-030	MOI COM ACT GYR
221001040    438-00100-030    GYRO, FC     221101010    438-00100-030    GYRO, FC     221201010    416-00293-120    COMPUTE     221201020    418-00876-250    ACTUATO     231201020-#1    011-00280-10    GNS 43     231201020-#2    011-00280-10    GNS 43	3 4 5 6 7	5 5 7 3 8	1.5 1.6 1.7 1.8 1.9	221001010 221001020 221001030 221001040 221101010	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Active Active Active Active Active	* * *	416-00297-006 416-00298-010 418-00876-250 438-00100-030 438-00100-030	MOI COM ACT GYR GYR
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221001040    438-00100-030    GYRO, FC 221101010    438-00100-030    GYRO, FC 221201010    416-00293-120    COMPUTE 221201020    418-00076-250    ACTUATO 231201020-#1    011-00280-10    GNS 43 231201020-#2    011-00280-10    GNS 43 243301010    RG-380E/44    (STC) Batten 2435011010    123081-95    STADTER_G	3 4 5 6 7 8 9	5 7 3 9 1	1.5 1.6 1.7 1.8 1.9 1.10 1.11	221001010 221001020 221001030 221001040 221101010 221201020	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Active Active Active Active Active Active Active Active	* * * * *	416-00297-006 416-00298-010 418-00876-250 438-00100-030 438-00100-030 416-00293-120 418-00876-250	MOI CON ACT GYR CON ACT
221001040    438-00100-030    GYRO, FC 22110101    438-00100-030    GYRO, FC 221201010    416-00293-120    COMPUTE 221201020    418-00876-250    ACTUATO 231201020-#1    011-00280-10    GNS 43 231201020-#2    011-00280-10    GNS 43 243301010    RG-380E/44    (STC) Battery 243501010-1    23081-057    STARTER, G 243501010-1    23081-057    STARTER, G	3 4 5 6 7 8 9 10	5 7 3 7 3 7 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1	1.5 1.6 1.7 1.8 1.9 1.10 1.11 1.12	221001010 221001020 221001030 221001040 221101010 221201020 221201020 231201020-#1	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Active	* * * * * *	416-00297-006 416-00298-010 418-00876-250 438-00100-030 438-00100-030 416-00293-120 418-00876-250 011-00280-10	MOI COM ACT GYR GYR COM ACT GNS

# Ability to Create and Manage Aircraft and Component Programs – Program Tab

Reference: AHBF-10921, AHBF-10853, AHBF-9232, AHBF-10859

### Background

The Aircraft Specific Program and Component Maintenance Programs are maintained in the system in order to perform scheduled maintenance activities on the Aircraft and Components respectively. Currently the user need to Create and Manage Aircraft Specific Program and Component Maintenance Program from different UIs. The Task definition and schedule definition for the program are maintained in different UIs. Also it involves complex navigation to many screens, in order to set up and maintain a maintenance program.

Through the 'Program' tab in **Manage Aircraft / Component Records** screen, the user can create and manage Aircraft Specific Program and Component Maintenance Program from a single UI. The Program for both Aircraft and for all the attached components can be created / modified in single go. This interface is a single point screen to setup all data pertaining to program. Using the 'Program' tab, Task definitions, Schedule definitions, Task Relationship and Effectivity definitions can be defined from the same UI. The technical records personnel can upload and validate the program data in a bulk manner thus simplifying the Aircraft/Component induction process.

### **Change Details**

A new screen **Manage Aircraft / Component Records** to manage different logical functions such as Configuration, Program, Compliance, Parameter updates, Eng. Doc Compliance is being developed.

The user can set the context and work on the desired entity either an Aircraft or a Component. User can manage both Aircraft and Component Program from the 'Program' Tab. Both creation of new program and management of existing program for Aircrafts and Components are done from this screen.

### Key Features:

### 1. Program Creation:

In the **Program** Tab, User can create Aircraft Specific Maintenance Program for the searched aircraft (Active or Under Creation) by simply associating it to the Aircraft Model Programs which are in 'Fresh' or 'Active' status and to the sub fleet against which the aircraft program schedules need to be forecasted. On association the user can create new Aircraft Specific Maintenance Program.

Component Maintenance Program for any component which is attached to the searched entity or for the searched component can also be created from the 'Program' Tab. By

providing the Part# and Serial#, Task # and Schedules the user can create Component Maintenance Program for multiple Part #/Serial # combination in one go.

### 2. Managing Existing Program.

The user can both view and manage Aircraft Specific Maintenance Program and its attached Components' Component Maintenance Program at the same time or as a separate entity. In the 'Program' tab, the Task Attributes, Schedules, Relationship definition and Parent removal can also be defined or modified to manage the respective maintenance program. This will result in changes in the maintenance program and the forecasted maintenance schedules for the respective aircraft or component entity on activation of their respective programs.

### 3. Exception Button

The Exception button section facilitates identifying the exceptions that are present in the programs of aircraft or component and review of the same can be carried out by filtering the exceptions on clicking of exception button and correcting the exception data in the program.

s : Next software upgrade would happen			10	BPC 🔹 🔲 Recent	Activities 🔻 👘 🕅 🖉	<b>.</b>					Guer	Code 🍝
Manage Aircraft and Compone	ent Reco	ord								[	8 🖶	0
Arcraft      Component      VI- RTM     Arcraft Reg # 101HQ     Arcraft 1	model # ERJ	175	-	. Senal # 17000156	Arcraft 3	Ratus Fresh				ł	Ē	8 1
	Configu	ration	Program	Parameter	Eng.Doc		2					
VT-RTM    ERJ175 00-00 312001020    C19258AA HINCLINOMETER	Mainte	enan	ce Program #	CF 31289:36786	Program Status Ac	tive Revision# 3	Progra	am Descrip	tion ERJ 17	'5 Season 5		
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- 221101010   438-00100-030   GYRO, FOC		11	P-123	5-00.744-203	14 CMP-1	Inspection	Calend	ar v	Days	*		48.
- 221201010 II 416-00293-120 II COMPUTEI		E.	P-123	51-00.744-203	14 CHP-2	Inspection	FH			~		101.
- 221201020    4'8-00876-250    ACTUATOF		8	P-123	SL-00:744-205	14 CMP-3	Inspection3	FH			*		1.003.
231201020#1   011-00280-10    GNS 430		11	P-123	51-00.744-205	14 CMP-3	Inspection3	IC			~ <b>*</b>		100.
- 231201020.#21011.00280.101GNS.430		100	P-MAX REM LIFE	51-00:026-203	14 00-00-15	Inspection	Calend	ar v	Days	Y		
- 2/301010 LB3380E/ALL/STC1 Battery	-		P-MAX REM LIFE	51-00:063-200	14 00-00-42	Inspection	Calend	er v	Days	v		
24301010111133000 411010 Datey.			P-MAX REM LIFE	51-00.064-201	14 00-00-45	Inspection	Calend	ar v	Days	*		
243010104_123061405/151ARTER, GI		B	P-MAX REM LIFE	91-00.065-201	14 01	tighting the circumfe	ennce Calend	er w	Days	~		
243001010HR [23081407] STARTER, G			P-MIN REM LIFE	St-001060-201	14 00-00-41	Inspection	Calend	ar -	<ul> <li>Days</li> </ul>	*		\$0.0
- 245301010   4503-350-3   BOX, ELECTRI	· ·											
- 246301020   4502-350-3   BOX, ELECTRI	Vald	127.0	1.						Create Lad	Lindate Effect	tivity	IN
- 246301030    4504-300-6    BOX, BATTER'												Core
- 251:01010-CP   1-10-015201   HARNESS												
- 251-01010 P    1-10-015201    HARNESS.					Record/	Update Confirm				4	Activate	
0												

### Exhibit 1:

a. All: This exception button will show the count of all tasks that is present in the Aircraft Specific Program or the Component program. On click of this exception it will fetch all tasks present in the program to the multiline.

- b. Escalated: This exception button will show the count of the tasks which have been escalated and have escalation references to it. On click of this exception the user can filter the escalated tasks and review the same.
- c. Not Initialized: This exception button will show the count of the tasks in the program which are not initialized or schedules are not defined and the program Item type of the task is 'Block', 'Non Block' or 'Base'. On click of this exception the user can filter these tasks and initialize it one go.

Note: If the Initiate/Reset By is set as 'Related Task Compliance' for the task and it is not initialized, it will be included in the exception only if none of the task in its task relation chain which is present in the program does not have schedules.

- d. Overdue: This exception button will show the count of the tasks which have forecasted next schedules lesser than the current date or current value of the entity. On click of this exception the user can filter these tasks and review/modify the schedule values to set up the program for the aircraft or component
- e. No Program: This exception button will show the count of the number of entities which does not have program definitions including the searched aircraft/component and the components attached to the searched entity. On click of this exception the user can filter out all the entities in the configuration which does not have program and can define the program for all these entities in one go by providing the tasks to the respective Part # and Serial # combination.

Note: If the Aircraft does not have Aircraft Specific Maintenance Program, the system will show the count of No Program for this Aircraft also. On clicking, the system will ask the user to associate the Aircraft to Model Program to create Aircraft Specific Maintenance Program.

- f. Fresh Program: This exception button will show the counts of the number of entities which have their program status in 'Fresh' including the searched entity. On click of this exception the system will fetch only those programs which are in 'Fresh' status to the multiline and user can modify the task attributes, Schedules, add tasks or delete tasks from the program in the same revision
- g. Draft Program: This exception button will show the counts of the number of entities which have their program status in 'Draft' including the searched entity. On click of this exception the system will fetch only those programs which are in 'Draft' status to the multiline and user can view/modify all those tasks and schedules which have been saved previously and user can validate all the records before modifying the program to 'Fresh' status
- h. Error: This exception button will show the counts of the number of tasks in the program which have data validation errors when performing 'Validate' action. On click of this exception the system will fetch only those tasks which have data validation error and the user can correct the data for all these tasks in one go for all the entities

### 4. Search

### Exhibit 2:

Manage Aircraft and Compon	ent Rec	ord									
Arcraft      O Component      VI-RTM     Arcraft Reg # 101HQ     Arcraft 1	Model # ERJ	175	Min Se	nal # 17000156	Arcall 1	tatus Fresh					÷ ≡ ∂
	Configu	ratio	n Program	Parameter	Eng.Doc		<b>5</b> 0				
VT-RTM  ERJ175 00-00	Maint	enan	ice Program # Cl	F 31289:36786 F	Program Status Ac	tive Revision# 3	Program	lescrip	tion ERJ 175	Seaso	on 5
72-00 210001010    5102860    (STCP) Geabox	=	٩	Search Tool 1, Too	L Desi, Erg. Dol	Include Related 1	asks Prog. Item Type 🔽			*	4	Advanced Search
210001020   625-SMP-56-0088-1C   (STC	Prove	m De	tails					IT It	clude Inactiv	e/Termi	inate Task 🔲 Include C
- 210002010   625-SMP-57-0088   (ST) - 221001010   4/6-00297-006   MODULE /			1 -10726 🕨 🖿					AL		~	
- 221001020    4 6-00298-010    CONTROLL	Error		Part # P	Serial # P	∵ask = ₽	Task Description	Parameter		Time Unit	Th	veshold Value
- 221001030   418-00876-250   ACTUATOF		8	P 1	141	TOELD	TOELD	Calendar	-	Days	*	100.0
- 221001040   438-00100-030   GYRO, FOC	1000		P 1	141	00-00-15	Inspection	Calendar	-	Days	*	100.0
- 221101010   438-00100-030   GYBO FOC			P-123	SL-00.744-2014	CMP-1	Inspection	FH	٣		۷	1.003.0
- 221201010 LA16/02293-120 LCOMPLITE	-		P-123	51-00.744-2014	CMP-1	Inspection	Calendar	۷	Days	*	48.0
221201020   4:0 00070 250   ACTUNTO			P-123	51-00.744-2014	CMP-2	Inspection	FH	*		*	100.0
22120102014 0000702301ACTUATOF			P-123	SL-00:744-2014	CMP-3	Inspection3	FH	*		۰.	1.000.0
2312010204011011-00280-1011GNS 430			P-123	SL-00:744-2014	CMP-3	Inspection3	FC			*	100.0
231201020+#2 011-00280-10 (GNS 430			P-MAX REM LIFE	51-00.026-2014	00-00-15	Inspection	Calendar	*	Days	4	
<ul> <li>243301010    HS-380E/44    (STC) Battery.</li> </ul>			P-MAX REM LIFE	\$1-00:063-2014	00-00-42	Inspection	Calendar	~	Days	~	
243501010-L    23001-057    STARTER, GI	_		P-MAX REM LIFE	52-00:064-2024	10-00-45	Inspection	Calendar	×	Casys	*	
- 243501010-R   23081-057    STARTER, G			P-PAX KEM LIFE	50-00.065-2014	01	ogning the circumferince	Calendar	Ĩ	Cheve	Č	
246301010   4503-350-3   BOX, ELECTRI		1.1	PHADA KEM LIFE	500.000-2014	00-00-41	JI Spection	Lavendar		Lays	*	50.0
- 246301020    4502-350-3    BOX, ELECTRI	-										
- 246301030   4504-300-6   BOX, BATTER'	Val	date	1						Create task	C u	pdate Effectivity Upd
- 251101010/CPU 1/10/015201 EHARNESS											
rou manage la manaren la manarene					Record/	Update Confirm					Activate
- 251-01010 P    1-10-015201    HARNESS.					meaning						Charles and the second
- 251'01010 P   1-10 015201   HARNESS.											

a. Primary Search:

The search can be performed to retrieve the data in the multiline. The primary search is visible in the 'Program' tab itself. The Search can be performed on the following entities:

Task#, Task Desc, Eng. Doc #, MCR #, Zone #, Prog. Item type, Job Type, Schedule Status, Rem. Value

'Include Related Tasks' will fetch all the related tasks for the searched task #.

b. Advanced Search

The search can be performed to retrieve the data in the multiline. The advanced search is available as pop-up screen. The search can be performed on the following entities.

Task #, Task Desc., Task Type, Task Category, Part #, Serial #, Component #, ATA #, Zone #, Prog. Item Type, Schedule Status, Job Type, MCR #, Eng. Doc Type, Eng. Doc #, Maintenance Process, Rem. Value and Include Related Task.

### 5. View Filters

The View Filter enables the user to view the program data for the searched entity and for its attached component in an organized and in hierarchical manner.

Exhibit 3:



- a. Include Inactive/Terminated Task: On enabling this filter the system will fetch the Inactive and Terminated Tasks also from the program. This view enables the user to review the tasks which have been terminated due to schedule execution or tasks made inactive due to specific reasons.
- b. Include Child: On enabling this filter the system will fetch the programs of the components which are attached to the searched entity. This view enables the user to review all the programs across the configuration in one go.

Note: On selection of these filters the exception button counts will change to include Inactive and Terminated tasks and Child Program.

### 6. Special Actions

### Exhibit 4:

Manage Aircraft and Compone	ent Reco	ord											•
Aircraft Component VT- RTM     Aircraft Reg # 101HQ Aircraft 1	Aodel # ERJ	175	Mfr.Ser	ial # 17000156	Aircraft St	atus Fresh					± ⊨	8	-
	Configu	ratio	n Program	Parameter	Eng.Doc								
VT-RTM  ERJ175		-											
00-00	Mainte	enan	ice Program # CF	31289:36786 Pr	ogram Status Act	ive Revision # 3	Program	Descript	tion ERJ 175	Season	5		
- 312001020    C19258AA    INCLINOMETER													
72-00			Saarch Frederic	Deve See Deal EL	Include Polated T	eke Prog Item Type			~				
210001010    510286D    (STCP) Geation		4	200101 (1056-4) (051	Construction and	include Related is	isks in ognicent type t				- A0	lvanced Sean	ch	
210001020 # 625-SMP-56-008P-1C #/STC													
- 210002010 # 625.5MP.57.00PP # (5T)	Program	n De	tails		e			lr Ir	nclude Inactiv	e/Terminat	te Task 📃 Ir	iclude C	1
- 221001010    A: 6.00297.016    MODI    E J	-		1 -10 / 26 🕨 🛏	+-0*				Al		*			
221001010 # 4 6 00237 036 # MODULE, 7	Error		Part # P	Serial # P	Task # P	Task Description	Parameter		Time Unit	Thresh	old Value		ľ
221001020 4 6-00238-010 CONTROL	Life,	-	P1	141	TOTIO	TOUD	Calendar		Davs	~		101.0	
- 221001030 4 8-00876-230 ACTUATOF			P1	141	(0-00-15	Inspection	Calendar	*	Days	*		100.0	0
221001040 438-00100-030 GYHO, FOC			P-123	SL-00:744-2014	CMP-1	Inspection	FH	*		*		1.000.0	0
- 221*01010    438-00100-030    GYRO, FOC			P-123	SL-00:744-2014	CMP-1	Inspection	Calendar	*	Davs	*		43.0	ò
221201010 416-00293-120 COMPUTE			P-123	5L-00:744-2014	CMP-2	Inspection	FH	~		*		100.0	à
221201020    4:8-00876-250    ACTUATOF		E	P-123	SL-00:744-2014	CMP-3	Inspection3	FH	*		*		1.000.0	5
231201020-#1   011-00280-10   GNS 430			P-123	SL-00:744-2014	CMP-3	Inspection3	FC	*		× *		100.0	à
231201020-#2   011-00280-10    GNS 430		100	P-MAX REM LIFE	SL-00:026-2014	00-00-15	Inspection	Calendar	*	Days	*			
- 243301010    RG-380E/44    (STC) Battery,			P-MAX REM LIFE	SL-00:063-2014	00-00-42	Inspection	Calendar	~	Days	*			
243501010-L #23081-057# STARTER, GI			P-MAX REM LIFE	SL-00:064-2014	00-00-45	Inspection	Calendar	*	Days	*			
			P-MAX REM LIFE	SL-00:065-2014	01	tighting the circumfennce	Calendar	¥	Days	¥			
243501010-R #23081-057 # STARTER G			P-MEN REM LIFE	SL-00:060-2014	00-00-41	Inspection	Calendar	*	Days	*		50.0	0
243501010-R    23081-057    STARTER, G			_										
243501010-R    23081-057    STARTER, G 246301010    4503-350-3    BOX, ELECTRI 246301020    4502-350-3    BOX, ELECTRI		_							Create task	Updat	e Effectivity	Und	ii b
243501010-R    23081-057    STARTER, G 246301010    4503-350-3    BOX, ELECTRI 246301020    4502-350-3    BOX, ELECTRI 246301020    4502-350-3    BOX, ELECTRI	Valio	date								and option		opo	1
243501010-R    23081-057    STARTER, G 246301010    4503-350-3    BOX, ELECTRI 246301020    4502-350-3    BOX, ELECTRI 246301020    4504-300-6    BOX, BATTER'  246301030    4504-300-6    BOX, BATTER'	Valio	date											
243601010-R    23081-057    STARTER, G 246301010    4503-350-3    BOX, ELECTRI 246301020    4502-350-3    BOX, ELECTRI 246301030    4504-300-8    BOX, BATTER' 2511 01010-C P    1-100-15201    HARNESS	Valid	date				1.							
243601010-R (23081-057)    STARTER, G 246301010    4503-350-3    BOX, ELECTRI 246301020    4502-350-3    BOX, ELECTRI 246301030    4502-300-6    BOX, BATTER' 2511-01010-C    1-10-015201    HARNESS 2511-01010-P    1-10-015201    HARNESS	Valid	date			Record/U	pdate Confirm					Activate		

User can validate the entered data correctness by using Validate button. The system will throw validation errors if the entered data is incorrect/wrong. The errors can be viewed in the 'Message Center' where multiple errors are concatenated and displayed. For Easier Identification of Error Records, an Error Image is provided in the multiline to indicate error records.

### 7. Quick Task Creation and Effectivity Definition:

### Exhibit 5:

Manage Aircraft and Compon	ent Rec	ord									1	<b>e</b> (\$	
Arcraft © Component VI-RTM     Arcraft Reg # 101HQ Arcraft	Model # ERJ	175	Min.Se	nal # 17000156	Arcraft Statu	s fresh					Ŧ	E 0	9 4
	Configu	ratio	n Program	Parameter	Eng.Doc		<b>5</b> 0						
VT-RTM    ERU175 00-00 312001020    C19250AA    INCLINOMETER	Maint	enan	nce Program # C	F 31289:36786 Pi	rogram Status Active	Revision # 3	Program D	escript	ion ERJ 17	5 Seaso	an 5		
72-00 — 210001010    5'0286D    (STCP) Geabox,		۹	Search French, Tai	L Desi, Erg. Dol	Include Related Task	s Prog. Item Type 🗸			v	4	Advanced Se	arch	
210001020   625-SMP-56-0088-1C   (STC	Progra	m De	tails					E In	clude Inactiv	e/Termi	nate Task	Includ	le Ch
- 210002010   625-SMP-57-00BB   (ST)		-	1 10/26 10 10					Al		~			
- 221001010    4 6-00297-036    MODULE, /		-						794	1			_	_
221001020    4 6-00298-010    CONTROLL	Error		Part # P	Senal # p	ask = p	Task Description	Parameter		Time Unit	15	reshold Value		
- 221001030    4"8-00876-250    ACTUATOF	•		P1	141	TOLLD	TOELD	Calendar	-	Days	*		1	00.00
- 221001040    438-00100-030    GYRO, FOC			P1	141	00-00-15	Inspection	Calendar	*	Days	.*		1	09.00
- 221101010 # 438 00100 030 # GYRO, FOC			P-123	SL-00:744-2014	CMP-1	Inspection	PH Coloradore	Ĭ		*		1.0	100.00
221201010    4'6-00293-120    COMPUTE		in the	P-123	5.00.744-2014	010-1	Inspection	Laiensar	×	Uays	*			45.00
221201020    4: 8-00876-250    ACTUATOF			P-123	5.00,799-2019	092	inspection		×		Ť			00.00
231201020-#1   011-00280-10   GNS 430		-	0.171	0.00.244.2014	0993	Inspectoro	m			· ·		1.0	00.00
231201020-#21011-00280-101/GN5 430			P-MAX REM LIFE	51-00 026-2014	00-00-15	Inspection	Calendar	Ĵ.	Davs	Č.			
- 243001010   BS.380E/M   /STC) Ballery		.0	P-MAX REM LIFE	\$1-00.063-2014	(0-00-42	Inspection	Calendar	-	Davs				
242601010 J # 22001 0678 CTADTED CI			P-MAX REM LIFE	51-00.064-2014	00-00-45	Inspection	Calendar	*	Davs	~			
243010104 [23001407] 3141101, 01			P-MAX REM LIFE	51-00.055-2014	01	tighting the circumference	Calendar		Davs	*			
- 243001010-R (230814057) STARTER, G			P-MIN REM LIFE	SL-00:060-2014	00-00-41	Inspection	Calendar	-	Days	*			50.00
2463010101450363563180X, ELECTRI	•												
- 246301020    4502-350-3    BOX, ELECTRI	( Distance)	100	10										
- 246301030   4504-300-6   BOX, BATTER'	Val	idate						L	Create task	U U	pdate Effectivity		Upda
- 251:01010-CP   1-10-015201   HARNESS													
- 251101010.P #1.10.015201 #HARNESS					Record/Upd	ste Confirm					Active	ite	
con ordered an income and income													

When a new Aircraft/Component is inducted and program is being setup for the same, the tasks to be defined in the program may not already available/inducted into the system. Using the 'Create Task' the user can create tasks quickly from the 'Program' Tab itself by providing the Template part from which the task attributes need to be copied to the newly created tasks. The tasks created from the 'Program' Tab are created in 'Active' status.

For the newly added task or for newly created task in the 'Program' tab the user can quickly update the effectivity definitions using the 'Update Effectivity' feature. This will stop the user from navigating to **Manage Task Effectivity** UI to define effectivity on modification of program.

### 8. Program Transaction

The transaction of both the Aircraft and Component Program can be done with the same transaction buttons.

### Exhibit 6:

Aroshi Status Presh  hyp.boc  gram Status Active: Revision # 3 ProgramDescription ERJ 175 Season 5  clude Related Tasks Prog. Item Type v v v Advanced Search  include Inactive/Terminate Task include Chi  ask = P 7ask Description Parameter Time Unit Thisshick Value  TotaD Colerois Inspection Parameter V Days v 1000.0  OPP-1 Inspection Clandar v Days v 40.00	# Aroshi       Compored       VF-RIM       Image: Compored       Image: Compore	# Arodit       Component       VI-RIM       #         Arodit Roy # 101HQ       Arod
BryDox gram Status Active Revision # 3 Program Description ERJ 175 Season 5 Advanced Search include Related Tasks Prog. Item Type ♥ ● ▲ Advanced Search include Inactive/Terminate Task include Ch include Inactive/Terminate Task include Ch include Inactive/Terminate Task include Ch include Charter P Task Description Task = P Task Description TotaD Calendar > Days ♥ 100,00 OPA-1 Inspection Calendar > Days ♥ 40,00 DPA 1 Inspection Calendar > Days ♥ 40,00 Program Calendar > Days ♥ 100,000 Program Calendar >	Configuration         Program         Praneter         Engloci           V1-RTM         FR1175         Maintervance Program         C Program Status         Active         Revision # 3         Program Description         ERJ 175         Season S           120201201 (1252844  INCLINOTETE         200         Include Status         Active         Revision # 3         Program Description         ERJ 175         Season S           - 200001001 (502804  INCLINOTETE         200         Include Related Tasks         Program Unit         Include Related Tasks         Program Description         ERJ 175         Season S           - 200001001 (502804) [STCP) Geobax.         -         Include Related Tasks         Program Description         ERJ 175         Season S           - 200001001 (502804) [STCP) Geobax.         -         -         Include Related Tasks         Program Description         ERJ 175         Season S           - 20000101 (450287-001 (COUTFOL         -         -         -         Include Related Tasks         Program Cellate         -         <	Configuration         Pageme         Exempter         Englished           V1-RIM         [ER175]         Mainteenance Program III CF 31289:36786         Program Status. Active: Revision III 3         Program Description: ERJ 175 Season: S           2120010201 (25284A INCLINATED         20001001 IS 05800 (STOP) Geades.         Include Related Tasks:         Program Description: ERJ 175 Season: S           210001001 IS 05800 (STOP) Geades.         Include Related Tasks:         Program Calculate Tasks:         Program Description: ERJ 175 Season: S           210001001 IS 05800 (STOP) Geades.         Include Related Tasks:         Program Description: ERJ 175 Season: S           210001001 IS 05800 (STOP) Geades.         Include State 7.0000 (Controll)         Include Inactive/Terminate Task:         Include Inactive/Terminate Task:           210001001 IS 05800 (STOP ROTE)         Include State 7.0000 (Controll)         Include Inactive/Terminate Task:         Include
gram Status Active Revision II 3 Program Description ERJ 175 Season 5 Advanced Search Include Related Tasks Prog. Item Type ♥ ♥ ♥ Advanced Search Include Inactive/Terminate Task Include Ch Include Inactive/Terminate Task Include Ch Include Inactive/Terminate Task Include Ch Include Charter V Days ♥ 100:00 GPR-1 Inspection Calendar ♥ Days ♥ 100:00 GPR-1 Inspection Calendar ♥ Days ♥ 10:00 GPR-1 Inspection ♥ 10:00 GPR-1 ♥ 10	VIT-RTM       [ER11/5]         000       12001020 [CISSRA4 [INCLINOTE]         200       12001020 [SISSRA4 [INCLINOTE]         200       210001010 [SISSRA5 [SICS]         210001010 [SISSRA5 [SICS]       Search Include Related Tasks       Prog. Item Type V       Advanced Search         210001010 [SISSRA5 F068 BCL [SIC       Include Related Tasks       Prog. Item Type V       Advanced Search         210001010 [SISSRA5 F068 BCL [SIC       Include Related Tasks       Prog. Item Type V       Advanced Search         221001001 [SISSRA5 F068 BCL [SIC       Include Related Tasks       Prog. Item Type V       Advanced Search         221001001 [SISSRA5 F068 BCL [SIC       Include Inactive/Terminate Task       Include Inactive/Terminate Task       Include Inactive/Terminate Task       Include Inactive/Terminate Task         221010101 [A S0025F10] [CONTOLE       Interactive / In	VT-RIM       [ER175]         0000       Indiatenance Program # CF 31289:36786       Program Status Active Revision # 3       Program Description E8J 175 Season 5         7200       20001001 [S028D1 [STCP] Geades.       Indiatenance Program # CF 31289:36786       Program Status Active Revision # 3       Program Description E8J 175 Season 5         7200       21001001 [S028D1 [STCP] Geades.       Indiate Related Tasks       Program Description E8J 175 Season 5         72000       21001001 [S028D1 [STCP] Geades.       Indiate Related Tasks       Program Description E8J 175 Season 5         72000       21001001 [S028D1 [STCP] Geades.       Indiate Related Tasks       Program Description E8J 175 Season 5         72000       21001001 [S028D1 [STCP] Geades.       Indiate Related Tasks       Program Description E8J 175 Season 5         72101001 [S028D1 [STCP] Geades.       Indiate Related Tasks       Program Description E8J 175 Season 5         72101001 [S028D1 [STCP] Geades.       Indiate Related Tasks       Program Description E8J 175 Season 5         721010101 [S0208 [S01 [CONTOIL       Program Description E8J 175 Season 5       Indiate Related Tasks         721010101 [S0208 [S01 [CONTOIC       Program Part # 2       Seal # 2       Task 2       Program Description E8J 175 Season 5         721010101 [S0208 [S01 [S01 [S01 [S01 [S01 [S01 [S01 [S01
nclude Related Tasks Prog. Item Type v Advanced Search Include Inactive/Terminate Task Include Ch Related Tasks P Resolution Related Tone Units Totub Totub Celerater V Days V 100.00 UP-0-15 Inspection Celerater V Days V 100.00 OH-1 Inspection Celerater V Days V 43.00	- 212001010 (152044 (INCURRET) 20     - 212001010 (155044 (INCURRET) 212001001 (55044 (INCURRET) 21200101 (1450425101 (INCURRET) 21201001 (1450425101 (INCURRET)) 2120101 (145042501 (INCURET)) 2120101 (145042501 (INCURRET)) 2120101 (145042501 (INCURR	37:000102 (12:02:04 A (NCLINICE LD (12:02:04 A (NCLINICE LD (12:04 (NCLIN
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CMP-3 Inspection IC v 100.00	21201020422 [011-0022010] [GNS 400 - 2X0001011 [R53:801675] [STARTER, G 2X0001014 [2032057] [STARTER, G - 2X0001014 [2032057] [STARTER, G - 2X0001014 [2032057] [STARTER, G - PHOL REM LIFE - PHOL REM LIFE	231201020-42 (011-00200-10) GNC 430         PMIXX REM LIPE         SL-00:058-2014         00-00-15         Inspection         Calendar         > Days         >           242001010 [R65 38E6:441 [STC) 8atiny.         PMIXX REM LIPE         SL-00:058-2014         00-00-42         Inspection         Calendar         > Days         >           242001010 [L1 2001467] [STARTER G         PMIXX REM LIPE         SL-00:058-2014         00-00-42         Inspection         Calendar         > Days         >           242001010 [L1 2001467] [STARTER G         PMIXX REM LIPE         SL-00:058-2014         00-00-45         Inspection         Calendar         > Days         >           245001010 [L1 2001467] [STARTER G         PMIXX REM LIPE         SL-00:058-2014         01-00-45         Inspection         Calendar         > Days         >           245001010 [L1 2001467] [STARTER G         PMIXX REM LIPE         SL-00:052-2014         01-00-45         Inspection         Calendar         > Days         >           245001010 [4003-350-31 [BOX ELECTRI         PMIX REM LIPE         SL-00:00-2014         01-00-41         Inspection         Calendar         > Days         >           24500101 [4003-350-31 [BOX ELECTRI         PMIX REM LIPE         SL-00:00-2014         01-00-41         Inspection         Calendar         > Days
	- 242011/101 [R5:30E:/44] [STC) Battery,         P.MAX XEM LIPE         St00.069-2014         00.04-20         Inspection         Calendar         > Days         >           - 242011/101 [R5:30E:/44] [STC) Battery,         P.MAX XEM LIPE         St00.069-2014         00.04-50         Inspection         Calendar         > Days         >           - 24301010R [2:30E:/45] [STARTER, G         P.MAX XEM LIPE         St00.069-2014         00.04-50         Inspection         Calendar         > Days         >           - 24301010R [2:30E:/45] [STARTER, G         P.MAX XEM LIPE         St00.069-2014         01.04-45         Inspection         Calendar         > Days         >           - 243010101 [400:3503 [IBOX ELECTRI         P.MAX XEM LIPE         St00.069-2014         01.04-04         Inspection         Calendar         > Days         >	202001/01 (P3 3385/441 (STC) Battey,     20201/051 (ST ARTER, G)     PASK REV LIPE     S. 00.065/2014     10:00-42     Inspection     Calendar     Days     Calendar     Calendar     Days     Calendar     Calendar     Days     Calendar     Calendar     Days     Calendar     Calendar     Calendar     Days     Calendar     Calendar     Days     Calendar     Calendar     Days     Calendar
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00-00-15         Inspection         Celentar         ✓         Days         ✓           00-00-42         Inspection         Celentar         ✓         Days         ✓           00-00-5         Inspection         Celentar         ✓         Days         ✓           01         Sighting the circumferance         Celentar         ✓         Days         ✓           01-00-041         Inspection         Celentar         ✓         Days         ✓           00-00-041         Inspection         Celentar         ✓         Days         ✓		A ROWTING TANK AND TOWN, CLOSING
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- a. Record/Update: This transaction button will enable the user to validate and save all the entered data to the program. This transaction will validate for data correctness. This transaction will change the status of both Aircraft Specific Program and Component Specific Program to 'Fresh' status.
- b. Confirm: This transaction is specific to the Aircraft Specific Program. This transaction will validate and confirm the Aircraft Specific Program so that it is ready for Activation (to be forecasted). This transaction will change the status of Aircraft Specific Program to 'Confirm' status.
- c. Activate: This transaction will activate both the Aircraft Specific Program and the Component Program. On activation the program will be ready to be forecasted. This transaction will change the status of the Program to 'Active'.

### Ability to view Component information from Tech Records Hub

### Reference: AHBF-9466

### Background

Tech Records personnel working in the **Manage Aircraft / Component Records** screen on a Component Maintenance Object, may require information about the component like its Basic identifiers, Maintenance Info, Sourcing Info, Ownership, Record Status, etc.

### **Change Details**

To facilitate this, the existing **Part Name Plate** screen is re-used to display the component information, by including additional display data as a separate section and including the links to view 'Part Information' & 'Component Record'. A link is positioned in the **Manage Aircraft / Component Records** screen as an image. On invoking this link, the 'Part Name Plate' screen can be launched as a pop-up. This additional information corresponding to the component is displayed only when the 'Part Name Plate' screen is launched with the Part Type as 'Component'.



**Exhibit 1:** Part Name Plate screen displaying the component information

# Ability to view historical events on Aircraft and Components in Timeline view

### Reference: AHBF-7435

### Background

For an Aircraft / Component, various events like Engine Replacement, Block Task Compliance, Component condition change occurs. Technical Records Personnel may require this historical event information for review / audit purpose.

Today this information is spread across various screens and it would helpful if all the information can be viewed from one screen.

### **Change Details**

A new concept Timeline is introduced in the product to cater to the above requirement. User will be able to view the following historical event information in timeline view.

Events applicable for Aircraft	Events applicable for Components
Engine Replacement	Movement History
Block Tasks	Engineering Change
Engineering Compliance	Engineering Compliance
Certificate of Maintenance	Condition Change
	Certificate of Maintenance

### Exhibit 1: Event Timeline Sample

laintenance Object	Aircraft Reg #	VT-RTM	
Timeline	Months 🗸	Event Engine Replacement	From - To Date 02/01/2014 🗱 - 11/30/2014 🇱
		Get Details	
			_
	CFM56-584-1:54321	► CF	M56-5B4-1:54322
	Attached (22-Feb-2014	) Att	ached (15-Jun-2014)
		CFM56-584-1:54321	CFM56-585-1:543213 Replaced (05-000-2014)
		Removed (10-Apr-2014)	Replaced (00-Mgr.2014)
2014 💿	Feb 14 Mar 14	Apr 14 May 14 Jun 14	

Note:

- 1. Commercial implications: Feature available only for specific customers.
- 2. The **Technical Records** Hub is a Beta Release feature and can be used for training / rollout activities. Production version will be available in 5.7.6 Release on 30<sup>Th</sup> Sep 2015.

## ramco

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