RAMCO AVIATION SOLUTION ENHANCEMENT NOTIFICATION Version 5.9.1

MX-Flight Safety

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contents

WHAT'S NEW IN WORK CENTER?	5
Provision to capture Skill Capacity Available at Shift, Slot and facility level eff	iciency
factor at Work Centre level	5
Background	5
Change Details	5
Provision to capture capacity of Part & Model in WC & to define alternate wo	ork
centers	9
Background	9
Change Details	9
Provision to capture break timings in a shift & to map shift/duty pattern to v	vork
center	12
Background	12
Change Details	12
WHAT'S NEW IN MAINTENANCE SETUP?	15
Provision to define schedule relationship and the influencing factor	15
Background	15
Change Details	15
Provision to capture Standard Output Quantity against Manufacturing Task i	n Process
Plan	19
Background	19
Change Details	19
WHAT'S NEW IN TASK MASTER?	21
Flagging Output quantity as Fixed or Variable and Loading Employees for El	apsed or
Wrench Time	21
Background	21
Change Details	21

contents

WHAT'S NEW IN CONFIGURATION?	24
Ability to inherit the Parameter values of components based on "Issued to" Air Background	rcraft24
Change Details	24
Spanish Language Conversion of Technical Records Hub for ASESA projects	28
Background	28
Change Details	28
WHAT'S NEW IN ENGINEERING CHANGE MANAGEMENT?.	31
Ability to define Adv. Part Effectivity within EO	31
Background	31
Change Details	31
Provision to map Post MOD # to EO tasks before EO release	33
Background	33
Change Details	
WHAT'S NEW IN IMPACT ASSESSMENT?	37
Additional Improvements in Impact Assessment for Customer Contracts	37
Background	37
Change Details	37
WHAT'S NEW IN FLIGHT OPERATIONS	42
Ability to round off Flight Hours recorded in Journey Log to user-defined deci	mal
settings	42
Background	42
Change Details	42

WHAT'S NEW IN WORK CENTER?

Provision to capture Skill Capacity Available at Shift, Slot and facility level efficiency factor at Work Centre level

Reference: APRP-224

Background

- While scheduling jobs for execution, it is important to know the availability of skill in shift, slot and work centre level. To effectively capture the available capacity these values needed to be defined. This feature enables to capture skill availability in terms of quantity per day in a work centre/slot/skill.
- Efficiency is required to be captured at both skill and Work center level. For the effective functioning of the Work center, efficiency of an employee needed to be defined. This feature enhances the efficiency of the employee against the skill and facility level.
- Overtime and Maximum additional hours is required to be captured at both skill and Work center level.
 For the effective functioning of the Work center, Overtime and Maximum additional hours of an employee needed to be defined. Overtime is also expressed in percentage. This feature enhances the Overtime and Maximum additional hours of the employee against the skill level.

Change Details

- 1) Changes in Configure Slot Attributes screen in Work Center business component
 - An existing Control 'Man hours/Shift' will be renamed to "Man Hours".
 - A new Control "Quantity" will be added next to Man Hours. It's an editable control
 - On click of "Associate Skill Quantity", ensure 'Quantity' is getting saved along with the existing controls.

2) <u>Defining Efficiency</u>

- New Column A new editable control "Efficiency %" is added in 'Date wise Availability' multiline of Associate Shift/Date wise Availability/Holiday Definition screen.
- On click of "Record Date wise Availability", ensure 'Efficiency %' is getting saved along with the existing controls.

3) <u>Define Overtime</u>

New Column - A new editable control "Overtime %" is added to capture the allowable percentage of daily man hours of an employee at skill and work center level in Date wise Availability tab under Associate shifts
 / date wise availability / Holiday definition screen which is a link under Associate Work Center Attributes activity and Work Center component.

Exhibit 1: Configure Slot Attributes screen

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Lack of availability of skill can be overcome by using Skill Capacity Available at Shift, Slot and Work Centre level

Exhibit 2: Associate Shift/Date wise Availability/ Holiday Definition screen

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A new Editable Control "Efficiency %" should be added in Facility Details multiline of **Associate Facilities** screen. On click of "Associate Facilities", ensure 'Efficiency %' is getting saved along with the existing controls.



Exhibit 3: Associate Facilities screen

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For the effective functioning of the work center this feature has been employed to capture skill and facility level efficiency factor.

Exhibit 4: Associate Shift/Date wise Availability/ Holiday Definition screen

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2 AVIONICS 2015/09/01 2015/09/08	1.00 90.00	100 100 test	
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New link to define Additional Man Hours:

A new editable control "Max addl. hrs." is added to capture the maximum additional hours an employee can work at skill and work center level in 'Date wise Availability' tab under 'Associate shifts / date wise availability / Holiday definition' screen which is a link under 'Associate Work Center Attributes' activity and 'Work Center' component.



Exhibit 5: Associate Shift/Date wise Availability/ Holiday Definition screen

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For the effective functioning of work center, overtime and maximum additional hours need to be defined. This feature captures the overtime and maximum additional hours against skills.

Provision to capture capacity of Part & Model in WC & to define alternate work centers

Reference: APRP-224

Background

- This enhancement speaks about the provision to capture the capacity of Part & Model in a Work center and also to define an alternate work center. Tasks assigned to Work centres can practically be routed to other (alternate) work centers. These alternatives indirectly account towards the available capacity of a work center.
- Hence, to assess the total available capacity a provision to record Alternate Work centres is needed. This feature defines the alternate work centre to any work centre.
- Also, there was a need to capture the capacity of Part & Model at Work center level.

Change Details

- 1) A new link Maintain Alternate Work Center will be provided in Select Work Center # screen under Associate Work Center Attributes screen to define the alternate work centers to any work center.
- 2) A new link Maintain Standard Work Center Capacity will be introduced in Associate Work Center Attributes activity under the Work Center business component. Capacity against part and model can be captured at a work center level.
- 3) A new UI Maintain Standard Work Center Capacity is introduced, which has the below mentioned details:

Work Center Details:

- Work Center # Display Only
- Work Center Description Display Only

Capacity Details Multiline:

- Maintenance Object Type Combo
- A/c Model # Editable Help
- Part # Editable Help
- Model / Part Description Display Only
- Qty Editable, Mandatory
- Record Capacity Details Button

Exhibit 1: Associate Work Center Attributes screen

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Grant Access Privileges for Users Maintain Standard Work Center Capacity	Associate Shift / Date Maintain Alternate W	ewise Availability / Holiday fork Centers	Definition	Configure Maintenance	Execution Slots		

Maintain alternate work center pop-up

Work center details can be captured in this popup. The **Maintain Alternate Work Center** popup contains the following controls:

- Work center: Defines the work center
- Work center description: Describes the work center

On click of 'Save' ensure that the work center entered in this popup is same as the selected wok centers.

Exhibit 2: Maintain Alternate Work Center popup

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Once the task assigned in the particular work center is completed it can be directly redirected to a new work center by this feature.

Exhibit 3: Maintain Standard Work Center Capacity link addition

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Exhibit 4: Maintain Standard Work Center Capacity screen

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3			Aircraft Model	✓ A103				Model - 103			1
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In Associate Work Center Attributes screen user can select the required Work center and launch Maintain Standard Work Center Capacity link; so that Maintain Standard Work Center Capacity UI launches. Here, user can select the Maintenance Object Type as either Aircraft Model or Part # and based on the option selected the Model # or the Part # can be provided in the respective fields along with their Quantities.

Provision to capture break timings in a shift & to map shift/duty pattern to work center

Reference: APRP-224

Background

- While scheduling jobs for execution, it is important to know the availability of an employee in a day. Every scheduling has its specific break timings. To effectively capture the available capacity, the work shifts and corresponding break timings need to be defined. This feature enables to capture Break timings in a shift.
- Work center follow specific work timings that consists of defined work shifts. Planning employee loading
 is mandatory for the effective functioning of the work center. To effectively capture the availability of
 employee's shift/duty pattern need to be defined. This feature allows mapping of shift/duty patterns that
 are applicable to work center thereby providing manpower data at work center level.

Change Details

1) New link to define Break Timings

A new column 'Break Time' has been added in the **Maintain Shift/Duty** screen of **Roster Management** business component. Initially the column displays a hyperlink "Not Defined". Once the link is invoked and Break Timings are saved in pop-up, it becomes "Defined".

2) New tab to map shift/duty patterns against work center

A new tab **Shift/Duty** pattern has been added next to **Holiday Definition** Tab in **Associate Work Center Attributes** screen of **Work Center** business component. The Shift/Duty pattern and the effectively can be defined and saved in this tab. The following controls are available in this tab:

- Shift/Duty Pattern: Define the name of the shift/pattern
- Description: Describes the shift/pattern
- Effectivity from: Starting time of the shift/pattern
- Effectivity to: End time of the shift/pattern
- All the values are mandatory in the tab



Exhibit 1: Break Timings in Maintain Shift / Duty

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Maintain shift/break timings pop-up

Break Timings will be captured in this pop-up. Maintain shift/duty break timings contains following controls:

- Break ID: Defines the particular for the specific break period
- Break Description: Defines the reason for the break
- Start Time: The starting time of the break periods is captured
- End Time: The end time of the break period is captured
- All the values are mandatory to save break timings

Exhibit 2: Maintain Shift/ Duty Break Timings popup

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Scheduling employee timings is effective for proper functioning of work center. This features enhances the ability to map shift / duty pattern to work center.

ramco

WHAT'S NEW IN MAINTENANCE SETUP?

Provision to define schedule relationship and the influencing factor

Reference: APRP-224

Background

- This feature is employed to quantify the facilities in the work center and to measure the contribution towards the work flow, we need to drag the facilities if they influence or not. This feature enhances to identify facility as significant constraints and identify those which influence scheduling.
- While scheduling it is important to define relationship between execution phases. During the execution phase, the project team develops the product or service and presents the final product to the customer. The execution phase is the longest in duration. To effectively schedule the relationship this feature has been involved. This feature enhances to define the relationship between execution phases.
- Also, this feature enhances Process Plan with a simple yet powerful feature of defining predecessor to a task. Process Plan contains tasks added manually based on manufacturing requirements. The tasks usually have specific relationships to each other which signify the order in which they need to be performed. This feature addresses this need by enabling to define schedule relationships between tasks in Process Plan. Additionally, a definition of Predecessor Task can be made in Task Relationships Masters. When any such definition exists, it is automatically derived into Process Plan.

Change Details

- 1) <u>New columns added</u>
 - New Column A new combo control called "Scheduling Influencer" will be added in the multiline in Associate Facilities screen which is a link under Associate Work Center Attributes activity in the Work Center business component.
 - A new combo control called "Significant Constraint" will be added in the multiline in **Associate Facilities** screen which is a link in the **Associate Work Center Attributes** activity.

2) <u>New UI to define relationship between execution phases</u>

- A new UI **Execution Phase Schedule Relationships** is added as a left pane activity under **Maintenance Task** Component.
- The Combo control "Package Type" added in the Execution details header section should display all the package types defined under 'Package Type' Entity in **Define Process Entities** activity of **Common Master** component.

- The new UI contains the following controls: Execution details (header section)
 - Execution Type (Combo UI)
 - Package Type (Combo)
 - o Repair Classification (Combo)
 - Execution Relationships (ML section)
 - Primary Execution Phase (Combo)
 - Secondary Execution Phase (Combo)
 - Schedule Relationship (Combo)

3) *A new link- Manage Schedule Relationship of Tasks is added to Process Plan screen as depicted.* Note on link and launching of pop-up:

- Process Plan should contain at least two tasks for the pop-up to launch.
- When a task is selected and link is clicked, the selected task is defaulted in Task# control of pop up.
- When no task is selected, the second task in Process Plan is defaulted in Task# control of pop up.

Exhibit 1: Associate Facilities

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Lack of quantifying facilities in the work center can be overcome by using Facility as 'Significant Constraints' & Identify Those Which Influence Scheduling.

Exhibit 2: Execution Phase Schedule Relationship

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Exhibit 3: Execution Phase Schedule Relationship

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Note: Lack of relationship between execution phases can be overcome by defining the schedule relationship between execution phases.

Exhibit 4: Manage Schedule Relationship of Tasks - Link

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Manage Schedule Relationship of Tasks – Popup

The pop-up captures Schedule Relationship between a task (selected in Task # in Primary Task details section) and a predecessor task in the process plan.

Note on Predecessor Task: A Task is said to be a predecessor to another task based on sequence number sorted ascending.

Exhibit 5: Manage Schedule Relationship of Tasks – Popup

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Provision to capture Standard Output Quantity against Manufacturing Task in Process Plan

Reference: APRP-224

Background

This enhancement speaks about the provision to capture standard Output quantity against manufacturing task level in a Process Plan. Standard output quantity is needed to be defined related to output quantity type. It describes if the elapsed time of a task is variable or fixed. This feature enhances to capture Standard output quantity against process plan.

Change Details

- 1. A new link is added in the Manage Process Plan screen to define Standard output quantity.
- A new display only control "Output qty. type" is added to 'Operational details' ML section. On launch of Manage Process Plan screen, when a Process Plan # is selected, ensure if "Output qty. type" column is visible and the value is fetched from Task additional details header section of Task Master and displayed for a Task #.

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Exhibit 1: Changes in Manage Process Plan screen

3. A new editable control "Std. Output Qty" is added to 'Operational details' ML section. On launch of **Manage Process Plan** screen, when a Process Plan # is selected, ensure if "Std. Output Qty" column is visible and the value is fetched from Task Master and displayed for a Task #.



Exhibit 2: Changes in Manage Process Plan screen

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WHAT'S NEW IN TASK MASTER?

Flagging Output quantity as Fixed or Variable and Loading Employees for Elapsed or Wrench Time

Reference: APRP-224

Background

This feature enhances Task Master through definitions that could be made to Task and Sub-Tasks. In a Workcenter, when a task is performed, the output quantity resulting from the task could be a constant, independent of constraints or variable, dependent on constraints in the workcenter. The nature of output from a task is necessary to effectively schedule tasks in workcenters.

Workload in a workcenter need to be distributed among employees based on the nature of tasks. Some tasks require more Wrench Time while others require less. Elapsed Time for a task need not necessarily be greater for the tasks with greater Wrench Time. In order to utilize available man hours to the fullest, it is necessary for the planner to choose if the employees should be loaded for Elapsed Time or Wrench Time.

Change Details

Control additions

In four screens of Task Masters, i.e. Create, Edit, View and Maintain Activated Tasks screens, the below controls have been added.

Task Additional Details header section:

- 1. Employee Loading for Combo control with values Elapsed Time and Wrench Time
 - This value indicates the system whether employee loading is to be considered for elapsed time or wrench time. By default, it is set 'Elapsed Time '.
- 2. Output Qty. Type Combo control with values Fixed and Variable.
 - This value indicates the system whether the output from performing the task is a fixed or a variable quantity. By default, it is set 'Fixed'.

Sub-Task Details multi-line section:

- 1. Est. Elapsed Time Editable control
 - This records the estimated elapsed time for a sub-task.
- 2. Time UOM Combo control with values Hours, Days and Minutes.
 - This records the time unit for elapsed time. By default, it is set 'Hours'
- 3. Output Qty. Type Combo control with values Fixed and Variable.
 - This value indicates the system whether the output from performing the task is a fixed or a variable quantity. By default, it is set 'Fixed'. If output quantity type of a task is Fixed, sub-tasks can only be of Fixed output quantity.

- 4. Employee Loading Combo control with values Yes and No.
 - When this is set 'Yes', the sub-task is considered for Employee Loading. When this is set 'No', the sub-task is not considered for Employee Loading.

Exhibit 1: Create Task - Create Task Information – New controls added in header and sub-tasks multi-line

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Exhibit 2: Edit Task- Edit Task Information – New controls added in header and sub-tasks multi-line

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Exhibit 3: Maintain Activated Task - Edit Task Information - New controls added in header and sub-tasks multi-line



Exhibit 4: View Task - View Task Information - New controls added in header and sub-tasks multi-line

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WHAT'S NEW IN CONFIGURATION?

Ability to inherit the Parameter values of components based on "Issued to" Aircraft

Reference: APRP-1047

Background

This enhancement brings improvements in 'Configuration', for an ITM vendor. In order to track the component maintenance schedules, the usage values of the component are the key input and when a component is attached on an aircraft, the usage of component can be derived based on the Aircraft usage.

But, in organizations which does not track the attachment with configuration of Aircrafts, the issue of a component is required to be considered as attachment and hence based on this parameter can be tracked. Additionally, when components are attached/issued or removed from the aircraft during sometime time mid of a month, the utilization of component is required to be derived automatically from Aircraft's monthly usage by calculating the daily average usage of Aircraft.

Change Details

This enhancement speaks about addressing the above mentioned issues:

- A new parameter to enable Parameter tracking for non-tracked components based on Issue & receipt will be added.
- CR History will be updated with the attached Aircraft & date & time details from Issue and removal from receipt, but without position codes.
- PV to attached components will be inherited based on above info. and once removed the inheritance will automatically be stopped.
- Monthly Utilization / Usage of Aircrafts will be updated using a new UI which will be used to break the monthly usage into Daily average utilization for Component PV inheritance
- Maint. Forecast of the component to be done based on attached Aircraft's avg. utilization.

Record Periodic Aircraft Utilizations: The new UI contains the following controls:

Header controls:

• Search On – Search can be performed using 'Aircraft Reg. #, Aircraft Model, Aircraft Group. Parameters – Parameters like Consumption, Range, Technical and Attributes can be used as search filters.

• Utilization Date From/To – From and To date can also be used to fetch the resultant utilization details. Multiline controls:

- Aircraft Reg. # Aircraft Utilization info can be recorded against an Aircraft Reg. # using this control.
- Aircraft MSN Corresponding Aircraft Manufacturer Serial number gets fetched against the Aircraft Reg. #.
- Aircraft Model # Corresponding Aircraft Model # gets fetched against the Aircraft Reg. #.

- Parameter All the active parameters gets loaded here.
- Current Value Since New This will display the current value of the parameter set for the Aircraft Reg. #
- Utilization from It is used to define the start date of the utilization period.
- Utilization to It is used to define the end date of the utilization period.
- Since New User can able to key in Utilization value i.e. Since New for an Aircraft.
- Update Mode By default it should be Delta for a record.
- Last Updated Date & Time This will display the last updated Date and Time.
- Last Updated Value This is display the last updated value.
- Utilization Comment It is a user defined field, were user can add comments on a particular record.

Exhibit 1: Record Periodic Aircraft Utilizations screen

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6		JS-102	ASDFASFD445	A320-211	FH 🗸	2	200 08-5-2020) 🛗	08-13-2020	i	100	Delta	09-24-2020 12:35 PM	100.0000000
7		JS-102	ASDFASFD445	A320-211	FH 🗸	2	200 09-2-2020) 🛗	09-2-2020	iiii	10	Dalta	00.04.0000.10.10.0M	12.00000000
8		JS-102	ASDFASFD445	A320-211	FH 🗸	2	200 09-3-2020) 🛗	09-11-2020	ΪŤ				1.00000000
9		js-102	ASDFASFD445	A320-211	FH 🗸	2	200 09-15-20	20 🛗	09-15-2020	i	N	ew screer	n is added to	0.00000000
10		JS-102	ASDFASFD445	A320-211	FH 🗸	2	09-16-202	20 🛗	09-17-2020	i	ca	oture utili	zation values	1.00000000
												praire arm		
							Update Utili	zation						

In **Record Periodic Aircraft Utilizations** screen, user can come in and record utilization info for any time period. Here, duplication and modification of records are restricted.

Note: When parameter for an UOM is set as cycle. Then system will validate if user enters a value which will get split up across dates in decimal values.



Exhibit 2: Set Process Parameters screen

^ > 1	Maintenance Setup > Common Master > Set P	Process Parameters	`					
* 8	Set Process Parameters							er e
💻 Enti	ty Details							
	Entity Type	Component Maint. Planning	-			Due Comptn.	Logic 🗸	
	Record Status	Active						
- Proc	cess Parameter List				Two new process			
•	1 - 4/4 🕨 🕨 🕇 🗇 🛠 🇭 🏋	7		×	parameters are added	All	 Search 	Q
#	Process Parameter		Permitted Values				Status	Error
1	Effect Maint. Sch. Adjustments during Customer Direct Is	ssue	Enter "0" for "No", "1" for "Yes"				Not Defined	
2	Effect Maint. Sch. Adjustments during Customer Rental I	Issue	Enter "0" for "No", "1" for "Yes"				Not Defined	
3	Automatic tracking of parameter value based on Direct I	ssue in place of attachment	"0" for "Not Required" , "1" for "Require	d"	1		Defined	
4	Automatic tracking of parameter value based on Rental I	Issue in place of attachment	"0" for "Not Required" , "1" for "Require	d"	1		Defined	
5								

Two new process parameters are added in Entity Type 'Component Maint. Planning' and Entity 'Next Due Comptn. Logic'. These parameters are added to consider the parameter tracking based on 'Direct, Rental' issue in place of attachments.

Issues: For an ITM each issues happening for an Aircraft will be considered as an attachment. Some of the issue scenarios are 'Unplanned Issue, General Issue and Rental Issue'. Whenever the above issues are confirmed the system will consider the issued component is attached to the respective Aircraft. User can provide the utilization info using 'Record Periodic Aircraft Utilizations' and by default the values will get splitted across each days. The value gets updated in the following screens,

- 1) View Parameter values
- 2) View History of Parameter value update
- 3) View Consumption & Range Parameters

Removals: Removals are considered from GI and Rental Receipt confirmation. When the above scenarios are performed, it is considered that the components are no more attached to the aircraft and any further updation to the utilization will not impact the Component utilization.

< ∎	View Parameter Val	lues					X 🖶 🛱 🗲	?
JAIR	raft Details	Aircraft Reg. # AC996			Μ	lanufacturer Serial # AC996		
		Variable Tab # AC996				Nose # AC996		
		Aircraft Model # A310				Manufacturer # 00000		
Sur	plimentary Identifier Details							
		Customer Effectivity #				Engine Set #		
Ser	rch Criteria							
		As of Date 12-15-	2020 02:03 PM	iet Details				
Dar	ameter Netails							
- ai		T T						
						EX T b 000 At 4/ 10		
	31 - 40/50 / //	T X					▼ Search	(
•	Parameter	Parameter Description		Parameter Type		X I → III N % All Parameter Value	Search Recording Date	(
Г	Parameter FC	Parameter Description Flying Cycle		Parameter Type Consumption	L I I L I I L I UOM CYC	All Parameter Value	▼ Search Recording Date 12-4-2020 12:00 A 1	
	Parameter FC FH	Parameter Description Flying Cycle Flying Hour		Parameter Type Consumption Consumption	L CYC HRS	X I III III III III Parameter Value III IIII III IIII III IIII IIIII IIIII IIIIIII IIIIIIIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Search Recording Date 12-4-2020 12:00 A 12-4-2020 12:00 A	(
	Parameter FC FH HY78	Parameter Description Flying Cycle Flying Hour BGTYHN		Parameter Type Consumption Consumption Consumption Consumption	L L S X L L UOM CYC HRS AM	X	✓ Search Recording Date 12-4-2020 12:00 A ⁴ 12-4-2020 12:00 A ⁴ 12-4-2020 12:00 AM	
E	31 - 40/50 / // Parameter FC FH HY78 NI46	Parameter Description Flying Cycle Flying Hour BGTYHN mjukim		Parameter Type Consumption Consumption Consumption Consumption	L L S Z C L UOM CYC HRS AM	X	Recording Date 12-4-2020 12:00 A 12-4-2020 12:00 A 12-4-2020 12:00 AM 12-4-2020 12:00 AM	
C	31 - 40/50 * " Parameter FC FH HY78 NI46 NI46	Parameter Description Flying Cycle Flying Hour BGTYHN mjukim mjukim		Parameter Type Consumption Consumption Consumption Consumption Consumption Consumption Consumption	L III C 2 2 1 UOM CYC HRS AM	Rarameter Value All 2 396.00 0.00 0.02 0.00 0.02	▼ Search Recording Date 12.4-2020 12:00 A 12.4-2020 12:00 A 12.4-2020 12:00 A 12.4-2020 12:00 A 12.4-2020 12:00 A 12.4-2020 12:00 A 12.4-2020 12:00 A	
C	31 - 40/50 / / // // // // // // // // // // // /	Parameter Description Flying Cycle Flying Hour BGTYHN mylukim mylukim		Parameter Type Consumption Consumption Consumption Consumption Consumption	LUM CYC HRS AM	R III Pit X All Parameter Value 2 395.00 0.00 0.02 0.00 0.02 0.00 0.02	■ Search Recording Date 12:4-2020 12:00 Å ⁴ 12:4-2020 12:00 Å ⁴ 12:4-2020 12:00 Å ⁴ 12:4-2020 12:00 Å 12:4-2020 12:00 Å ⁴ 12:4-2020 12:00 Å ⁴ 12:4-2020 12:00 Å ⁴	
	31 - 40/50 // // Parameter // FC // FH // HY78 // N146 // NU991 // PARAMI251 // PCYC //	Parameter Description Flying Cycle Flying Cycle BGTYHN mjukim mjukim mjukim Pressure Cycle		Parameter Type Consumption Consumption Consumption Consumption Consumption Consumption Parameter value	A M E	R III Pit % All Parameter Value 2 396.00 0.00 0.02 0.00 0.02 0.00 0.02 0.00 0.02 0.02 0.02 0.02 0.02 0 <td>Recording Date Recording Date 12:4-2020 12:00 A 12:4-2020 12:00 A 12:4-2020 12:00 AM 12:4-2020 12:00 AM 12:4-2020 12:00 AM 12:4-2020 12:00 AM 12:4-2020 12:00 AM</td> <td></td>	Recording Date Recording Date 12:4-2020 12:00 A 12:4-2020 12:00 A 12:4-2020 12:00 AM	
	31 - 40/50 7 Parameter FC FC FH HY78 N146 NU991 PARAM1251 PCYC PF	Parameter Description Flying Cycle Flying Cycle BGTYHN mjukim mjukim mjukim Pressure Cycle PF		Parameter Type Consumption Consumption Consumption Consumption Consumption Parameter value undated	L III G Z III	Image: state	Recording Date Recording Date 12-4-2020 12:00 A 12-4-2020 12:00 A 12-4-2020 12:00 AM	
	31 - 40/50 7 Parameter FC FC FH HY78 N146 NU991 PARAM1251 PCYC PF TP11 TP11	Parameter Description Parameter Description Phying Cycle Phying Hour BCTYHN mjukim mjukim mjukim Pressure Cycle PF Test Parameter 11		Parameter Type Consumption Consumption Consumption Consumption Consumption Parameter value updated	A In G 2 G 4 Uaw CYC HRS AM E4 gets	Image: style="table style: table;">All Parameter Value 2 396.00 0.00 0.02 0.00 0.02 0 0.02 0 0.00 0.02 0 0.00		

Exhibit 3: View Parameter values screen





Exhibit 4: View History of Parameter value update screen

A > Configuration Management > Aircraft > View History of Parameter Value Update							
\star 🔋 View History of Parameter Value Updat	te			x ⊕ ₽ €	? 🗔		
Aircraft Details							
Aircraft Reg. # 4	AC996	Manufacturer Seria	# AC996				
Variable Tab # 4	AC996	Nos	# AC996				
Aircraft Model # 4	4310	Manufacture	# 00000				
Supplimentary Identifier Details							
Customer Effectivity #		Engine Se	:#				
Parameter Details							
Parameter F	FH 👻	Parameter T	pe Consumption				
Parameter Description	Flying Hour	U	DM HRS				
Present Value 3	396.00	As of D	ate				
Display Filter							
Eram Data	11 16 2020	To D	to 10,000	-14			
From Date 1	11-16-2020		E				
	Ge	t Details Parameter value gets up	dated				
Parameter Update History							
					0		
••••••••••••••••••••••			T♦ 74 All	Search	Q		
# Updated Value Updated	d Date Update Mode	Cumulative Value Transaction #	Tran	saction Type			
1 20.00 12-4-2020	20 04:16 PM Delta	340.00 MPV000548202	MANU	JAL			
2 56.00 12-4-2020	20 04:08 PM Delta	396.00 MPV000547202	D MANU	JAL			

Exhibit 5: View Consumption & Range Parameters screen

^	Configuration Management > Aircraft > View Consumption & Range Parameters									
* 1	View Consumption	n & Range Param	eters						* 🖨 🛱 🗲	? 🐻 🖪
- Ain	craft Details						Date & Time Format m	-d-уууу		
	ometer Details	Aircraft Re FH Log M	g. # AC996 lode Actual Flight Time				Manufacturer Serial #	AC996		
- Par	7 - 11/25 > >>	T 7					C X # # III 1	All	▼ fh	Q
#	Parameter	UOM	Parameter Type	Life Parameter	Parameter Source	Present Value	As of Date	As of Time	Range: From	
7	FH	HRS	Consumption	No		396.00		12:00 AM		
8	HY78	AM	Consumption	No		0.00		12:00 AM		
9	NI46	EA	Consumption	No		0.02				
10	NU991	AM	Consumption	No		0.00	Param	eter value get	ts updated	
11	PARAM1251	AM	Consumption	No		0.02		Ŭ		
	4									•

Spanish Language Conversion of Technical Records Hub for ASESA projects

Reference: APRP-739

Background

Technical Records Hub screen is used by mechanics who maintains the flight operations. It certain regions where the regional language is Spanish; they feel Spanish is a better language to work with than English. It would be better to render the screen in Spanish for better usability. This feature enhances the conversion of Spanish language of Technical Records Hub screen.

Change Details

This enhancement speaks about the conversion of Technical Records Hub into Spanish language. This can be achieved by changing the context of the screen on login itself.

The entire screen - captions and error messages are now translated and displayed in Spanish. However, link screens and Help On screens are still in English.

Exhibit 1: Tech Records Hub - Configuration Tab





Exhibit 2: Tech Records Hub – Program Tab

Administrar los registros (O Vea 19. de Avianes 101	de aeronaves y o	compor	nentes																
C Vea 19. de Aviones 101	Avión		-														RAMCO OU-ramco role	÷ → 2¢	1
eg. de Aviones 101	N.			-		Reg. de Avio	nes 101	Q 1	١	'aya a								÷ ≡	Ø
	MD	odelo de a	vión A3:	110			Mfr. Serial Ø S	R101			Estado del avión Activo			Propiedad F	Propiedad o	le			
		Configur	ración [Programa	Parámetro C	umplimiento	1												
				Mantenimien Revisión	nto. Programa	6-001					Programa Desc. 6-001				Estado	del programa	Confirm		
			2	Todos 8	8 Escalado	0 No Init	t. 0 Atrasad	o O No Pro	og. 0	Fresh Prog. 0									
											Inclui	ir las tareas inactivas / I	terminadas			Incluir al niño			
		•	4	1 - 10/10	• • +	- 🗇 🛞	\$ % ▼ 7 0	Tarea #	ρ	Tarea Pay 8	Descripción de la tarea		Plantila #	2 # + III	114 %	Todas	Buscar	Intervalo	a
		1	2	2001 110				EO-590-1		Partie recy p	590 Task 1	Turce o		Calendario	✓ D	as 🗸		:::::::::::::::::::::::::::::::::::::::	0.00
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		4	E .					PHASE 2-2			Phase 2			FH	~	~			2.00
		5	5					PHASE 4-4			Task			Calendario	✓ D	as 🗸			2.00
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		7	=					TASK-04062	020		desc			Calendario	✓ D	as 🗸			
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		10	5					Tsk12345			testing			Calendario	✓ D	as 🗸			
		Maltala		<		-							ia taraa	Efectividad de	a la actuali	arión 🚺	- the star		
	3	Valida	1												. In account	Acti	Jalización		
							Grabar /	Actualizar		Confirme	Devuelve	Cance	lar			Activ	ar	Desactiva	r
		🕂 Enli	aces de l'	la tarea ——															
		🛨 Enli	aces de l	la aeronave –															
		+ Enl	aces de la	los componer	intes														
		🛨 Ver	Enlaces	(<u> </u>															

Exhibit 3: Tech Records Hub - Parameter Tab

📅 > Configuration Management-Spanish > Registros técnicos > Administrar los registros de aeronaves y componentes 🔦																
* 🛽 Administrar los registros de aeronaves y	compon	entes	;										RAMCO OU-ramco ro	e v X\$		e ? [
Gestione Vea Avión			•	R	eg. de Aviones 10	01	,O Vaya a							÷ 5	i P	0
Reg. de Aviones 101 M	odelo de av	ión A3	10		Mfr. Se	rial # SR101		Estado d	tel avión Activo		Propiedad	Propiedad de				
	Configura	ación	Programa Paráme	tro Cur	nplimiento											^
	Busca	en				Ŧ	•									- 1
													Incluir al	niño		- 1
	41 4		1 - 11/50 🕨 🏓	+ 0	≫ \$ % ¥	7			7	10 10 1 1 1 1 × C	X # # 0	II 14 % Todas	▼ Busc	If .	Q	í –
	/	E	Parámetro	иом	Desde el nuevo	Desde la revisión	Desde la reparación	Desde que la Inspectora	Desde la última visita a la tienda	Actualizar la fecha y la hora		Observaciones		Init. ¿Valo	r descono	xi
	2	1	APUH	HRS	234	345.00	678.00	456.00	465.00	01-22-2021 02:54 PM	18	234		234		
	3	1	cow	INR							10					6 H
	9		EUR	HKS CC							10					1 H
	6		FC	CYC							10					6 H
	7		FH	HRS							63					1
	8		HY78	AM							10					
	9	12	NI46	EA							ťô					
	10	1	NU991	AM							18					
	11	10	PARAM1251	AM							10					
	12	1	PCYC	CYC							10					
			<													>
	• Detz	alles po	r defecto	Opcie	ón de actualización	•	•			Validar		Actualiz	ar los valores de los p	arámetros		
	Edit	ar enia Fniace	ces													
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												_				
Registros técnicos -> Administrar los registros de aeronaves y compone	intes								EAR 5 9 1 - D	ocumentation Plan & S	Status - Exce	r: 109.393 /Cliente: 5.	877) 🚦 1 Error(es)	🥝 54	Minuto(s)	2:55

User can find it easy to work on the preferred Spanish language instead of English, which will be beneficial for usability stand point.



Exhibit 4: Tech Records Hub – Compliance Tab

aviation suite	🔳 🖡 🕄 1	🖈 Ventana predeterminad	a 🔻 Tema gris 🔻	Búsqueda de activida	ıd		Data ran	Migrati nco role - R	ion User 🚽
► Noticias					Welcome to Rai	mco Aviation Solutions- Dev	elopment Environment		
🔺 > Configuration Management-Spanish > Registr	ros técnicos > Administrar lo	s registros de aeronaves	y componentes						
★ ■ Administrar los registros de aeronave	es y componentes						RAMCO OU-ramco role 💌)¢ ;	≓ + ?
Gestione Vea Avión	-						+ 1	E 0	•
									_
Configura	ación Programa Parámetro	Cumplimiento							^
	Acción 💿 Grabar 🔿 Corre	ección y eliminación ○ \	/ea						
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							Incluir al piño		
4	1 iiiNo se encontraron filas na	ra mostrariii 🕨 🕨 🕂	- 1 × 6 % 1	7 2 1 1	9 0 0 B >	ci 🈂 52 14 % Today	s Bus	>	
#	Parte # Q	Serial	Tarea # Q	Valor actual	Rem. Valor	Fecha prevista	Fecha de cumplimiento r	eal	
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			stualizze al cumplimiant			- 1 0 (02)			

WHAT'S NEW IN ENGINEERING CHANGE MANAGEMENT?

Ability to define Adv. Part Effectivity within EO

Reference: APRP-610

Background

In an MRO industry SB/AD/SIL are received from vendors/regulatory authority to perform a modification to parts. SB/AD/SIL have an effectivity section that mentions the criteria to identify the components or the specific components to which the document applies. In our system we allow user to create a direct Engineering Order, but there is a gap in enhancing 'Manage Adv. part effectivity' while creating direct EO.

Change Details

This enhancement speaks about bringing the feature to provide 'Adv. Part Effectivity' while creating direct EO. A link "Manage Advanced Part Effectivity" is added next to 'Auto Embodiment Required?' check box of "Effectivity Tab" in EO. On clicking of 'Manage Adv. Part Effectivity' link, the "Edit Advanced Part Effectivity" popup launches.

The "Edit Advanced Part Effectivity" popup will launch only,

- a) If the EO has been created independently without any MCR reference. (If the EO has MCR reference, any update of advanced part effectivity must be carried out in the MCR component).
- b) If EO Applicability is 'Component' or 'Engine'.
- c) In the View-only mode, if you have launched the "Manage Engineering Document" activity in the View mode (selected the View radio button).
- d) If the status of the EO # or Rev # is Fresh or Revised and not Released.

The "Edit Advanced Part Effectivity" popup will not launch, if part effectivity has been defined in the serial range for the EO # using Effectivity Tab.

If a MCR # based PCR is created for which 'Adv. Part effectivity' is defined in the MCR and, if an existing direct EO # is provided as a reference to the PCR, the system will include the Adv. Part effectivity defined in MCR to the EO# in addition to the direct EO.



Exhibit 1: Manage Eng. Document screen

A .		~					
Figure Change Management > Engineering Document	t > Manage Eng. Document						<u> </u>
\star 🔋 Manage Eng. Document					RAMCO OU-ramco role 👻	~ ☆ ⊕ ☆ ◀	F 🖽 ? 🗔
Eng, Doc. / MCR O Eng. Doc.	Eng. Doc. # / Rev. #	Applicability	Status	Revoked?			
Search Document	EO-001160-2020 / 0	Component	Fresh	No			
EO-001160-2020 Search							
E Search - Filter Q T Q	🔿 Create 💿 Edit	Revise	◯ View				
🕀 🗁 Engineering Mod							
🖹 EO-001160-2020 / 0 :: Test1 :: Fresh	🔲 Main 📌 Effectivity 🚺	Tasks 🛅 Schedules	E Reference	More Information			
	Effectivity Level At Serial Level Effectivity Details	Range	anage Ad	v. Part effectivity	link is added		
	4 (S Part #	0 Serial # 0	MSN O	Serial Evicto?	Ann Gro #	Applicable 2	5
	1	101	101	Yes	0	Yes	
+ Process Change	2 000:99999	14	14	Yes	0	Yes	~
Links	3 🔲 📄 000:99999	5	5	Yes	0	Yes	~
Initialize Eng. Doc. Schedules	4 🔲 🗎 000:99999	SL006	SL006	Yes	0	Yes	~
Edit Configuration Change Details	5 🔳 🗎 000:99999	SL007	SL007	Yes	0	Yes	~
Plan Material Requirements					4) b
Authorize Eng. Doc.	Update Maint. Prog. Template						
View Authorization Status Log	-						
Release Engineering Document				Save			

Provision to map Post MOD # to EO tasks before EO release

Reference: APRP-1304

Background

This enhancement brings improvements in Engineering Change Management screens with the ability to map post-mod # to EO tasks before EO release. While recording a Maintenance Change Request for an Engineering change, required tasks can be authored anew within MCR along with required schedules. Once those tasks are complied, there is consequently a need to update the component with MOD # associated with the task.

Change Details

Maintenance Change Request

In below Create, Edit and Revise MCR screens, a new link - "Manage Task Part MOD Details" is added. Once the MCR is 'Confirmed', the link could not be launched.

Exhibit 1: Create Maintenance Change Request screen

••• • Engineering Change Management • Maintenance Change Re	quest > Create Maintenance Change Request	
\star 🗉 Create Maintenance Change Request		RAMCO OU-ramco role 🔻 💢 🖨 🖾 🗲 🔝 ? 🗔 🗷
4		Þ
Document Attachment Details File Name	D View File	
	Create Request Confirm Request	
Link Info		
Edit Recommended Aircraft Effectivity Edit Customer List Edit Schedule Information Edit New Tooling Requirements Edit Regulatory Directive Details Edit Notes	Edit Aircraft Mod # Effectivity Edit Configuration Changes Edit Recource Requirements Edit Reference Details Assign Employees	Edit Conditional Effectivity Edit Task Information Edit Concurrent Requirements Edit Weight & Balance Details Edit Publications Affected Edit Advanced Part Effectivity
Upload Documents	View Associated Doc. Attachments	
Edit Maintenance Change Request	Process Change Request	Create Impact Assessment

ramco

Exhibit 2: Edit Maintenance Change Request screen

👫 > Engineering Change Management > Maintenan	nce Change Request > Edit Maintenance Change R	equest				
* 📕 Edit Maintenance Change Request				X4 🖨	🛱 🗲 🛄 ? 🗔	ĸ
						-
Document Attachment Details						
File Name	D View File					
	Edit MCR	Confirm MCR	Cancel MCR			
Link Info	Part Eff					
Edit Recommended Aircraft Effectivity			Edit Conditional Effecti	ivity		
Edit Aircraft Mod # Effectivity	Edit Task Information		Edit Schedule Informat	tion		
Edit Configuration Changes	Edit Concurrent Requirements		Edit Weight & Balance	Details		
Edit Resource Requirements	Edit New Tooling Requirements		Edit Customer List			
Edit Reference Details	Edit Regulatory Directive Details		Edit Publications Affect	ted Now link added		
Edit Notes	Assign Employees		Edit Advanced Part Eff	ectivit New IIIK added		
Upload Documents	View Associated Doc. Attachments			7		
Process Change Request	Manage Engineering Impact for Cust	tomer Contracts	Manage Task Part MO	D Details		1
Record Statistics						
Created by	DMUSER		Created Date	10/29/2020		
Last Modified by	DMUSER		Last Modified Date	10/29/2020		
Confirmed by	DMUSER		Confirmed Date	10/29/2020		
Comments						

Exhibit 3: Revise Maintenance Change Request screen

😚 > Engineering Change Management > Maintenance Change	Request > Revise Maintenance Change Request		
* 🔳 Revise Maintenance Change Request		※ 음 다 수 🖽 ? 🗔	ĸ
4		•	*
Document Attachment Details			
File Name	Ø View File		
Revise Request	Confirm Request	Cancel Request	
Link Info Part Eff			
Edit Recommended Aircraft Effectivity		Edit Conditional Effectivity	
Edit Aircraft Mod # Effectivity	Edit Task Information	Edit Schedule Information	
Edit Configuration Changes	Edit Concurrent Requirements	Edit Weight & Balance Details	
Edit Resource Requirements	Edit New Tooling Requirements	Edit Customer List	
Edit Reference Details	Edit Regulatory Directive Details	Edit Publications Affected	
Edit Notes	Assign Employees	Edit Advanced Part Effective INEW III IK duded	
Upload Documents	View Associated Doc. Attachments		
Process Change Request	Manage Engineering Impact for Customer Contracts	Manage Task Part MOD Details	
Record Statistics			
Created by		Created Date	
Last Modified by		Last Modified Date	
Confirmed by		Confirmed Date	
C			
Comments			~

In View Maintenance Change Request, a new link "View Task Part MOD Details" is added and user could only view MOD details.



Exhibit 4: View Maintenance Change Request screen

	ce Change Request > View Maintenance Change Request								
\star 🔋 View Maintenance Change Request)))	0	₽	€ [:: ?	Ľ0	ĸ
									-
4								÷.	
Document Attachment Details File Name									
Link Info	Part Eff								
View Recommended Aircraft Effectivity View Task Information View Concurrent Requirements View Reference Details View Notes View Notes View Task Part MOD Details	View Schedule Information View Weight & Balance Details View New Tooling Requirements View Regulatory Directive Details View MCR Processing Details View Advanced Part Effectivity Manage Engineering Impact for Customer Contracts	View Conditional Effectivity View Configuration Changes View Associated Doc. Attachments View Customer List View Publications Affected Upload Documents View Assignment Information							
Record Statistics Created by Last Modified by Confirmed by Comments	DMUSER DMUSER DMUSER	Created Date 10/29/2020 Last Modified Date 10/29/2020 Confirmed Date 10/29/2020							

Manage Engineering Document

A new link – "Manage Task Part MOD Details" is added to Link section of Manage Engineering Document screen. The link could be launched only if Task details have been saved in 'Edit Task Details' screen. When an EO is released, the link will not be available.

With this enhancement, a new task could be added into Engineering Document without adding the task to Task Master. Instead, once the EO is released, the new task is added automatically to Task Master by the system.

Once a MOD task (new or existing) is complied, the MOD # of the task is updated against the Part #.

Exhibit 5: Manage Engineering Document screen – Fresh Document

A > Engineering Change Management > Engineering Docur	ent > Manage Eng. Document	
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Exhibit 6: Manage Engineering Document screen – Released document

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Exhibit 7: Maintain Task Part Mod Details screen

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WHAT'S NEW IN IMPACT ASSESSMENT?

Additional Improvements in Impact Assessment for Customer Contracts

Reference: APRP-1490

Background

This feature enhances Impact Assessment (IA) with minor and yet practically useful changes.

Once the Impact assessment documents are created and saved with data, approvals need to be complied. Obviously, Internal, Engineering and Customer Approvals could not be updated instantaneously. VE would need to open an IA document multiple times for recording approvals. It is only intuitive that the VE lands on Approvals screen with the 'Pending' rows on the top followed by 'Approved' ones.

An IA document needs to be modified based on data obtained from any of approval processes. To facilitate this, modifications are now allowed to IA document except when a document is in 'Confirmed' and entirely 'Approved' status.

While fetching contracts associated with impacted components, the load on the system could be reduced by filtering out contracts that have nothing to do with IA. This would improve the user experience by reducing the time taken to fetch contracts for the impacted components.

Change Details

Search based on Rev.

A new editable control is added to Search section of Select Documents for Processing screen of Impact Assessment to input Ref. Doc.'s Rev. #.

Exhibit 1: Search based on Rev.

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Collaborate Inclusion for Impact Assessment

Collaborate functionality is added to Impact Assessment screen.

Exhibit 2: Collaborate	Inclusion for	Impact Assessment
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Link to Impact Assessment from Edit & View MCR

The link "Create Impact Assessment" has been replaced by "Manage Engineering Impact for Customer Contracts" in Edit Maintenance Change Request, View Maintenance Change Request and Revise Maintenance Change Request screens.



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Fetch Customer Contracts of specific Sale Type only

Define Process Entities

A new process parameter "Applicable for Engineering Impact Assessment" is added under the Entity Type 'Service Sale Type' in all Entities in the 'Set Process Parameters' screen of the 'Define Process Entities' activity of the 'Common Master' business component.

- If the set option is set as '0' (No), then those sale types will not be available in the 'Sale Type' combo and will not be included when system searches for impacted contracts
- If the set option is set as '1' (Yes), then those sale types will be available in the 'Sale Type' combo and will not be included when system searches for impacted contracts
- By default, the parameter is set as '1' (Yes)

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Exhibit 4: Fetch Customer Contracts of specific Sale Type only

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#	Process Parameter	Permitted Values	Value	Status	Error Messag
1	Applicable Contract Classification	Enter "0" for "Regular" and "1" for "US Defense"	1	Defined	
2	Reference Contract Classification for CO Generation for US Defense Jobs	Enter "0" for "Contract" and "1" for "Task Order"	1	Defined	
3	Execution Type	Enter "0" for 'Non-maintenance Based' and "1" for 'Maintenance Based'		Not Defined	
4	Default Pricing Basis	Enter "0" for "T&M", "1" for "Fixed Price", "2" for "Usage Based", "3" for "Price by W	1	Defined	
5	Default Category for Customer Order - Part Jobs	Enter a valid Order Category defined in Common Masters business component.	1-Repair	Defined	
6	Default Category for Customer Order - Aircraft Jobs	Enter a valid Order Category defined in Common Masters business component.	1-Repair	Defined	
7	Numbering Type for Contract	Enter "0" for 'Manual Numbering type' or a Valid numbering type defined in Documer	0	Defined	
8	Numbering Type for Customer Order Services	Enter a valid document numbering Type defined in Document Numbering class busin	CO	Defined	
9	Default Repair Order Category for External Repair	Specify a valid Category as defined in 'Create Common Category' activity of 'Logistics	CS-Repair	Defined	
10	Contract Category to be considered for default Contract evaluation during CO auto-g	Specify a valid Contract Category as defined in "Maintain Category Codes" activity of		Not Defined	
11	Auto Generation of Sale Quote on approval of Pre-quote based Customer Orders	Enter "0" for 'Not Required' and "1" for 'Required'		Not Defined	
12	Home Based Stocking	Enter "0" for 'Yes', "1" for 'No'		Not Defined	
13	Default Reason Code for Exchange ?	Enter a valid Reason Code for Exchange	Adv.Exchange Request	Defined	
14	Acknowledgement Required on confirmation of Customer Order	Enter "0" for 'No' , "1" for 'Yes'		Not Defined	
15	Numbering Type for Task Orders	Enter "0" for "Manual Numbering Type" or a Valid numbering type defined in the Dor	0	Defined	
16	Default Repair Process Code for automation of 'Customer Requests into Customer Or	Enter a valid Repair Process Code		Not Defined	
17	Standard Exchange Applicable ?	Enter "0" for 'No', "1" for 'Yes' New process paral	meter added	Defined	
18	Exchange Applicability ?	Enter "0" for 'Repair Exchange', "1" for 'Flat Ex		Defined	
19	Default Repair Process Code ?	Enter a valid Repair Process Code		Not Defined	
20	Numbering Type for "Bid" Contract	Enter "0" for "Manual Numbering type" or a Valid numbering type defined in Docume		Not Defined	
21	Applicable for Engineering Impact Assessment	Enter "0" for "No", "1" for "Yes"	1	Defined	
22					



Defaulting to Approvals tab and enhanced sorting logic

When "Manage Engineering Impact for Customer Contracts" is launched from any of the Pending Approval/Approved/Rejected tiles, 'Approvals' tab will be defaulted on screen launch.

Sorting logic in 'Approvals' tab of "Manage Engineering Impact for Customer Contracts" is enhanced to show rows that have the most 'Pending' statuses on the top, followed by the most 'Approved' statuses and the most 'Rejected' statuses.



Exhibit 5: Defaulting to Approvals tab and enhanced sorting logic

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WHAT'S NEW IN FLIGHT OPERATIONS

Ability to round off Flight Hours recorded in Journey Log to user-defined decimal settings

Reference: APRP-1493

Background

This enhancement brings improvements in **'Flight Operations'**, for a flight operator. System follows a mathematical rounding off logic to round off minutes of flight to hours of flight up to one decimal place. This round off does not match the expectation of the organization in certain values, hence a standard rounding off matrix is to be used to round off minutes of flight hours.

Change Details

To achieve the standard rounding off format the below mentioned formulations are implemented:

- A back end set option will be enabled to toggle between matrix based rounding off logic and existing mathematical rounding off logic.
- A back end rounding off matrix will be setup for common services to refer when it comes to rounding of minutes of flight to FH.

Range of Minutes and their corresponding rounding off factor:

- 1 2mins = 0.0 Hours
- 3 8mins = 0.1 Hours
- 9 14mins = 0.2 Hours
- 15 20mins = 0.3 Hours
- 21 26mins = 0.4 Hours
- 27 33mins = 0.5 Hours
- 34 39mins = 0.6 Hours
- 40 45mins = 0.7 Hours
- 46 51mins = 0.8 Hours
- 52 57mins = 0.9 Hours
- 58 60mins = 1.0 Hours



Exhibit 1: View Journey Log

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2	1		2			AIR	AIR	11-22-20	20	03:30	11-22-2020		03	3:40	04:50		11-22-2	020	
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By setting up the above matrix format, the decimal values have been rounded off to standard method. FH will have downstream impact on those places where Flight hours are being used from Journey Log.

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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