RAMCO AVIATION SOLUTION ENHANCEMENT NOTIFICATION

Version 5.9.0

Commercials

© 2020 Ramco Systems Ltd. All rights reserved. All trademarks acknowledged

ramco

©2020 Ramco Systems Ltd. All rights reserved. All trademarks acknowledged.

This document is published by **Ramco Systems Ltd.** without any warranty. No part of this document may be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose without the written permission of **Ramco Systems Limited**.

Improvements and changes to this text necessitated by typographical errors, inaccuracies of current information or improvements to software programs and/or equipment, may be made by Ramco Systems Limited, at any time and without notice. Such changes will, however, be incorporated into new editions of this document. Any hard copies of this document are to be regarded as temporary reference copies only.

The documentation has been provided for the entire Aviation solution, although only a part of the entire solution may be deployed at the customer site, in accordance with the license agreement between the customer and Ramco Systems Limited. Therefore, the documentation made available to the customer may refer to features that are not present in the solution purchased / deployed at the customer site.

contents

WHAT'S NEW IN SALES SETUP?	5
Ability to set Contract Exclusions based on Engineering Document attribute Background	5
-	
Ability to set SLA and Core return rules against a Customer or Sale Contract Background	
Change Details	
Ability to define the NTE Scrap and Repair Rates in contract for Engine mod	ules or
Sub-assemblies	
Background	14
Change Details	14
Ability to set Contract Exclusions based on Engineering document attribute Background	
Change Details	
Ability to automatically update approved Impact Assessment details to Con	tract for
Eng. Doc. Exclusions on EO release	
Background	
Change Details	21
Ability to evaluate Contract for an Order based on Request Attributes viz. Re	equest
Source & Request Purpose	
Background	25
Change Details	25
WHAT'S NEW IN SERVICE SALES MANAGEMENT?	27
Ability to evaluate Eng. Doc. Based tasks in Shop work order and visibility ir	Quote &
Inv. Release	
Background	27
Change Details	27
Ability to evaluate Engineering Document based tasks in Repair Order for Ir	nclusion /
Exclusion and visibility of pricing in Invoice Release	
Background	32
Change Details	

Provision to generate the FPM/Usage based bills at the beginning of the mo	onth or
end of the month/ Ability to raise monthly invoice releases for part contract	s based
on Aircraft age or FH	
Background	
Change Details	
WHAT'S NEW IN PART SALE MANAGEMENTST?	42
Ability to raise Customer Request for Regular Exchange	42
Background	42
Change Details	
Ability to manage Order confirmation acknowledgements for Part Sale Orde	r 47
Background	47
Change Details	47
Ability to automatically generate Part Sale Orders based on Agreed Custome	er Part
Sale List	49
Background	49
Change Details	
Ability to record and confirm request amendments & auto process the change	ges to the
downstream documents	55
Background	
Change Details	55
WHAT'S NEW IN PAYABLES MANAGEMENT?	58
	50
Ability to derive applicable INCO term for Delivery Charges Invoices	
Background	
Change Details	
Provision to enable processing of request amendments in CO hub	61
Background	
Change Details	61
WHAT'S NEW IN CUSTOMER ORDER MANAGEMENT HUE	3?65
Provision to give suggestive inputs based on Smart fills in CO hub in Global	search
criteria	

WHAT'S NEW IN SALES SETUP?

Ability to set Contract Exclusions based on Engineering Document attributes

Reference: APRP-340

Background

In most of the business scenarios in component repair (Performed both internally as well as externally), jobs can be either included/excluded from the agreed pricing depending upon certain engineering attributes of tasks/work scope being performed on those particular components.

For example:

- A repair job should be classified as included, if the repair is done for a SB bulletin performed within three months of SB release date and the same job should be considered as exclusion if performed after certain period of time post SB release date.
- In ITM business model, repair jobs performed on components for Engineering Order tasks, for agreed quantity of parts serviced for those EO tasks will be charged to the customers on a certain price basis, after which the repair jobs would be non-chargeable.

Thus, the requirement is to have a provision to define the inclusion and exclusion definitions in Sale Contract based on certain engineering order/task attributes and evaluate and price the engineering tasks based on these inclusions and exclusion definitions.

Change Details

• A new parameter is added in Sales Setup > Customer > Set Sales Process Parameter screen to specify whether the Eng. Doc. scope evaluation based on Advanced Exclusion rules is 'Required' or 'Not Required'. Another parameter is added in same screen to specify whether the restricted parts from the Engineering document should be excluded based on restriction code.(Exhibit-1)

1.	Display Parameters fo	r : MRO Sales
	Parameter for	: Advanced Excl. rules for EO
	Process Parameter	: Eng. Doc. scope evaluation based on Advanced Exclusion rules
	Permitted Value	: '0' for Not Required, '1' for Required
	If the above paramete	er is set as:

- Required : The column grouping mentioned below will be visible in 'Incl. & Excl. Task' tab in 'Manage Sale Contract'
 - a. Eng.Doc attributes
 - b. Eng.Doc.Eff.Date Ref.
 - c. Eng. Reference
 - d. Eng. Restrictions
 - e. Eng. Task exclusions value coverage
- Not Required: The above column grouping would be hided which suits business models for which exclusion definitions are not applicable based on engineering attributes.

- 2. Display Parameters for : MRO Sales
 Parameter for : Advanced Excl. rules for EO
 Process Parameter : Restriction Code based on which Engineering Changes on
 Components to be excluded
 Permitted Value : Specify "0" for "Not Applicable" or a valid Restriction Code
 If the above parameter is set as
 - Not Applicable: 'Restriction Code' column in 'Incl. & Excl. task' tab would be loaded with blank.
 - Valid Restriction code: 'Restriction Code' column in 'Incl. & Excl. task' tab would be loaded with value defined against the parameter.
- 3. New Columns have been added in the 'Excl. & Incl. Task' tab in the Contract Main Info. Page under Sales Setup > Sale Contract > Manage Sale Contract screen to define the exclusions and inclusions definitions for tasks based on engineering attributes. All the columns under this tab are grouped under multiple sections depending on the type of information being provided.
 - Eng. Doc. Attributes column grouping contains the columns related to engineering document to define exclusion definitions. The following are the newly added controls under this group (Exhibit-2) :
 - a. Applicability: Loaded with values as Blank, Component, Engine, Aircraft
 - b. Eng. Class: Loaded with values as Blank, Replacement, Retro fitment, Task Improvisation, Task schedule related and Informative
 - c. Mandatory: Indicates 'Yes' or 'No' against Engineering Document
 - d. Reliability: Loaded with values as Blank, Yes and No.
 - e. Certifying Authority: Loaded with all the Active 'Certifying Authority' under Maintain Certifying Authority screen under Logistics Common Master Component.
 - f. User defined controls to be loaded with all the 'Active' quick codes defined under the resp. quick code type in the **Edit Quick Codes** screen under **Maintenance Change Request** component.
 - Eng.Doc. Eff.Date Ref. column grouping contains the columns to define the specific period based exclusions for engineering document. The following are the newly added controls under this group (Exhibit -3) :
 - a. Date Incl.: Loaded with values 'Blank', 'Less than or equal', 'Less than', 'Greater than or equal' and 'Greater than'
 - b. Incl. Period: Indicates the actual value of time period.
 - c. UOM: Loaded with the values 'Blank' and 'Months'
 - Eng. Reference column grouping contains the columns to define exclusions only for Covered Qty. agreed with the customers. The following are the newly added controls under this group (Exhibit-3) :

- a. Eng. Doc #: Indicates the Engineering Document #
- b. Part #: Indicates the Part in Engineering Document
- c. Covered Qty. : Indicates the Qty. which is covered with a particular pricing basis
- d. Pricing Covered Qty. : Loaded with values 'Blank', 'Non-Billable', 'T&M' and 'Fixed Price'
- e. Rem. from A/c Reg. #: Indicates the A/c Reg. # in Engineering Document
- f. Rem. from A/c Model: Indicates the A/c Model # in Engineering Document
- Eng. Restrictions column grouping contains the columns to define part restrictions based on restriction codes. The following are the newly added controls under this group(Exihibit-4) :
 - a. Restriction: Loaded with values 'Yes', 'No' and blank.
 - b. Restriction Code: Loaded with 'blank' and restriction code set in Set Sales Process Parameters
- Eng. Task Excl. Value coverage contains the columns to define cap values for engineering tasks if applicable. The following are the newly added controls under this group(Exhibit-4) :
 - a. Computation Basis: Loaded with values as 'Percentage based' , 'Flat Value' and 'Blank'
 - b. Covered Cap Value: Indicates the covered cap value.
- Note:

Exclusion Definition against the above mentioned column, attributes can be defined only for Contract with Object Applicability: 'Parts'. Eng. Doc. Attributes based inclusion/exclusion definitions for an 'Aircraft' contract

Exhibit 1:

The Set Sales Process Parameter screen in the Customer business component

	Set	t Sales Process Parameters		RAMCO OU-ramco role 👻 💢	₽₽€? [6
Sele	ect Para	meter Details			
		Display Parameters for MRO Sales	*		
Proc	cess Pai	rameter List			
		69 - 76/100 🕨 🕨 🕇 🗇 % 🌣 💋	۲ X L B		Search Q
#		Parameter for	Process Parameter	Permitted Values	
59		Sevice Sale Billing	Default Invoice Category for Direct Invocie Release	Specify a valid Invoice Category defined in Category business component	Newly added
70		Customer Order - Services	Cost booking on recording additional charges	Specify '0' for 'Required' and '1' for 'Not Required'	Parameters
71		Sale Quotation	Source for Estimated materials cost computation	Specify '0' for 'Standard Cost' and '1' for 'Pricelist based'	
72		Sale Quotation	Source : Source Pricelist for Estimated materials cost computation	Specify '0' for Max. Price, '1' for Min. Price or specify valid pricelist of type	0
73		Advanced Excl. rules for EO	Eng. Doc. scope evaluation based on Advanced Exclusion rules	Specify "0" for "Not Required" and "1" for "Required"	
74		Advanced Excl. rules for EO	Restriction Code based on which Engineering Changes on Components to be excluded	Specify "0" for "Not Applicable" or a valid Restriction Code	Stock
75		Service Sale Billing	Default Invoice Category for Warranty Billing	Specify a valid Invoice Category defined in Category business component	DET
76		Customer Order – Services	Bill back Journal Vouchers with Customer Order reference	Specify "0" for "Required" and "1" for "Not Required"	0
		•)
			Set Process Parameters		
Rec	ord Stat	tistics Created by	/	Created Date	
		Last Modified by	y DMUSER	Last Modified Date 09-21-2020	

Exhibit 2:

The Manage Sale Contract screen in the Sale Contract business component

	- i - i - i - i - i - i - i - i - i - i	age Sale Contract	t										RAMCO OU	I-ramco role 🔻 💢	🖶 🛱 🗲 🖽 ?
- Contr	act De	ails													
_		Contract # / Rev. #	ROTe	est1	Q	1 00	reate	Contract 💿 Modify C	Con	ıtract			_		
														Column Gr	ouping:
Contract	Details	Aircraft Effectivity Pa	art Eff	ectivity Details	Part Se	erial Work Scope	TA	T - Aircraft TAT - Parts	5	Incl. & Excl Task Excl Cor	ns	sumed Parts Contrac	t Upload Summary	Eng. Doc. A	ttributes
	Inclus	ion Enumeration						Exclusion I	Enu	umeration				-	ge with Kepair
- Inclu	ision /	Exclusion List													
		1 - 5/6 🕨 🗰 🕇		🗆 🔀 🕸 🖉	Y X						x		010 14 % All	🔍 🗸 Se	arch Q
		Eng.Doc. Attributes													Eng.Doc.Eff.Date Ref.
#		Applicability		Eng.Class		Mandatory?		Reliability?		Certifying Authority	1	User Def.4	User Def.5	User Def.6	Date Ind.
1		Component	~		~	Yes	~	×	~	~		~	~		/
2		Component	~		~		~		~	v	E	EXCINCCODE 🗸 🗸	~		/
3		Component	~		~	No	۷		~	~		*	QC5 🗸		/
4		Component	~		~		•	×	~	EASA 🗸		*	~	UD TEST 6	/
5		Component	×		~		~	×	~	~		~	~	×	/
		4							_						•
- BER			_												
		Pricing Basis BER Responsibility				•		BER Repair Threshold ((0)	N			BER % Base		
		BER Evaluation Basis				v		BER Repair Inreshold (BER Pri					DEK % Dase	ed on	•
		DER EVAIUDUUN DASIS				•				-					
								Save Task I	Inc	clusions & Exclusions					
				Confirm	n Contra	act							Cancel Contract		

Exhibit 3:

The Manage Sale Contract screen in the Sale Contract business component

★ 目	Man	age Sale Contract								RAMCO OU-ramco role 🔻	겨 🖨 🛱 🗲 🖽	? 💿 🗷
- Cont	act Det	ails										A
_		Contract # / Rev. # R	OTest1	Q 1	O Create	Contract 💿 Modify Cont	tract			Go		
	Inclusi	Aircraft Effectivity Part I on Enumeration Exclusion List	Effecti	Column Grou Eng.Doc.Eff.D		ircraft TAT - Parts Exclusion Enu		Column Gr Engineerin		I Summary Definition for	Exchange with Repair	•
		1 - 5/6 • • • + -	• 🗇 🖇	< 4 7 7			人 🔟 🗟	R / × C		11 All	▼ Search (2
		Eng.Doc.Eff.Date Ref.				Engineering Ref.						
#		Date Ind.		Cl.Period	UOM	Eng.Doc. #	Part # 🔎	Covered Qty.	Pricing-Cov. Qty.	Rem. From A/c Reg. # $\mathcal O$	Rem. From A/c Model # ;	0
1		Less than	~	6.0000000	Months				~			
2		Greater than or Equal to	~	6.0000000	Months				~			
3			~		4				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
4			~		4				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
5			~			EO-001074-2020	000:99999	10	Fixed Price 💊	101		
		4										•
E BER												-
		Pricing Basis		•								-
		BER Responsibility		•		BER Repair Threshold (%)			BER % Based on	•	
		BER Evaluation Basis		-		BER Pricing	9	-				
						Save Task Inc	lusions & Exclusions					
								-				
				Confirm Contract					Ca	ncel Contract		-

Exhibit 4:

The Manage Sale Contract screen in the Sale Contract business component

ramco

		Contract # / Re	ev. #	ROTest1 O)	1 (Create Con	tract 💿 Modify Contract		_				Go				
ntract	Details	Aircraft Effectivit	y Pa	art Effectivity Details Pa	art Seri	ial Work S				- Task Excl C	Colur	nn Grouping:						
	Inclus	sion Enumeration					Colun	nn Grouping:			Eng.	Fask Excl. – Val	ue	nition for	Exchange wi	ith Repair		
Inc	usion /	Exclusion List					Eng. R	Restriction			Cove	rage						_
-		1 - 5/6 🕨 🕨	+	- 🗆 🛪 🌣 🗡 🕇	X	L							-		▼ Search		Q	
#		Eff. Ref.		Eff. Ref. Code		Eng. Restric	the second second	Restriction Code		Eng.Task ExclValue C Computation Basis		Covered Cap Value	Exclusion P Pricing Bas	-	Fixed Pric	e Defn. for	Exc	
1		Part Effectivity	~	PE1	~	No	~		~		~		Fixed Price		Task		,	
2		Part Effectivity	~	PE2	~	Yes	~	Stock	~		~		T & M		1		,	
		Part Effectivity	~	PE3	~		~		~	Flat Value	~	100.0000000	T & M		/		/	
•		Part Effectivity	~	PE4	~		~		~		~		T & M		1		1	
		Part Effectivity	•	PE1	~		~		~		~				/	×		
BER						4											•	
DEN		Pricing I	Basis			•												
		BER Responsi	bility			-	E	BER Repair Threshold (%)				BE	R % Based o	n		-		
		BER Evaluation I	Basis			-		BER Pricing			•							
								Save Task Inclusion	s & E	Exclusions								
				Confirm C	ontrac	+						Cancel (Contract					

Ability to set SLA and Core return rules against a Customer or Sale Contract

Reference: APRP-303

Background

Any organization which provides services to Customer would tend to hold Service Level Agreements in order to agree upon certain standard duration of response. The standard duration would indicate the period within which the requested service would require to be either acknowledged or provided and the organization would track their compliance to the agreed term on periodic basis. There could be similar agreements for any returns that the customer would need to do.

Thus, there is a need to be able to set these service level agreements and return policy which should be used to periodically check the organization's compliance.

Change Details

A new activity **Manage SLA/Core Return Rules** has been under the **Customer** business component. Master Screen **Manage SLA/Core Return Rules** has been developed in order to set various rules that are agreed upon in the contract. The SLA & Core return Rules can be set only for the following types of services, currently: Sourcing, Acknowledgement Returns.

Two tabs have been defined in this screen to enhance the usability of the screen. 'Standard Duration' tab allows the user to set various rules against Customer #, Contract #, Sale types, various Part and Request based entities. All these rules can be set for the Start and End Dates for the respective transaction and the corresponding time for the set transactions can be defined in 'Standard Duration' field in the tab.

In the 'Compliance Terms' tab, user can set the Compliance % similar to how the Standard Duration Terms were set. The compliance terms can be set for the rules that have been defined in 'Standard Duration' tab. Export and Import options have been provided in order to upload bulk data at once.

This screen can also be accessed directly from the Sale Contract, Edit Customer Main Info. And View Customer Record screens as well.

Exhibit 1: New Activity Added – Manage SLA/Core Returns

Tamco Magna 2.2		766	🛊 👕 Default Window 👻 Theme Grey 👻		Activity Search	Quick Code 🔶	Data Migration User Ramco Role - RAMCO OU
^							Welcome to Ramco Aviation Solutions- E5D System
Engineering Change Management	>			^			
Discrepancy Management	>						
Aircraft Maintenance	>						
Aircraft/Shop Work Management	>						
Flight Operations	>						
Component Maintenance	>						
Compliance Management	>						
Reliability Management	>						
Facility / Tool Management	>						
Library Management	>						
Inventory Setup	>						
Stock Management	>	_					
Procurement Management	>						
Loans & Rentals Management	>						
Repair Order Management	>						
Warranty Management	>						
Sales Setup							
Service Sales Management							
Sales Management							
Finance Setup							
Book Keeping						7	
Payables Management					New Activity has been		
Receivables Management	>			sts	added.		
Fixed Assets Management	>				auueu.		
javascript:void(0)				Las	t Login on 29-05-2020 at 11:10:51 AM (S	Gerver: 1.739 /Client: 1.498)	Error(s) 🧿 59 Minute(s) 11:39 AM

Exhibit 2:

Manage SLA/Core Returns Rule screen

r 🔳 Manage	e SLA/Core Retu	rn Rules						RAMCO OU-ramco ro	le 🔻 🗘	₽₽₩	? []
	Terms For	Sourcing	•								
arch Context											
	Customer #		Q		Sale Contract	8	C	Sale Type		-	
	Part Based	-	-	Q	Request Based	v v	Q				
					Search Cri	iteria					
ndard Duration	Compliance Terms										
idard Duratio	ils										
		5		1		▶ 별 ፱ ☑ ☞ >	e C 🗶 🖛 💷 🖬 :	% All	▼ Searc	ch	Q
	ard Duration	' tab in Man	ade	eference Date	Sys. Start Reference Date	End Reference Date	Sys. End Reference Date	Standard Duration	UOM	Effective From	
										0	
o can ca			- 9-	×	~	~	~		~		#
Starrag	ore Return Ru			~					~		
D call a											
D tairia											
D carra											
D call a											
5 carries											
Starrag											

Exhibit 3: Manage SLA/Core Returns Rule screen

Ramco Aviation Solution

ramco

🖈 🔳 Mar	nage SLA/Core	e Return Rules							RAMCO OU-	ramco role 🔻 💢	₽ (i + ?	6
	Term	is For Sourcing	•										
earch Context	Custo Part on Compliance	SLA/Core Re	e Terms' tab in eturn Rules sc	-		Sale Contr Request Bat			Sale	Туре	•		•
ompliance Te													_
•	1 - 1/1 🕨 🕨	+ 🗆 🛪 🍸 🏹					노 🖬 🗟	🛛 ×* 🗳 🕺 🖡 🚧	010 科 🞋 🛛 All	▼ Sear	rch	C	λ
	uest SLA Category	Request Priotity	Request Purpose	Request Source		Station $\mathcal O$	Guaranteed Compliance	Min. Compliance %	Horizon of Evaluation	Effective From		Effective To	
1 2			* *	× ×	~					× ×			
	4												۶.

Exhibit 4:

Manage Sale Contract screen

	act De	Contract # /	Rev. # HaecoFPN		1 Create			 		G	o role 👻 🗶 🖨 🟳	€ ?
ntrac	_	1 - 1/1 P		KIVITY Detenis Part	Serial Work Scope	TAT - Aircraft TAT - I		🛛 - Consumed Pa			 Search 	Q
		Part Effectivity Code	Applicability	Request Source	Part Group	Request Purpose	Part #	Mfr. Part #	Mfr. #	Q	Part Description	
		PE01	Specific 🗸	Not Allowed	✓ G02	~	~					
			~	Not Allowed	~	~	~					
				Gale contract Core Return F								,
						Save	Part Effectivity					
		anair Sunnliar List		View Part			View Aircraf					

Exhibit 5:

Edit Customer Main Information screen

* 8	Edi	it Customer Main Infe	ormation			RAMCO OU-ramco role	• × 4 🖨 🛱 🗲 🖽 ? 🗔
		1 - 5/6 > > + -	· 🗇 🛠 🝸 🏋		<u>▶ 11</u> 8 🛛 🖂 × 🗙 1	🗃 💷 🚹 % All	▼ Search Q
#		Address ID	Address Line 1	Address Line 2	Address Line 3	Address Line 4	City
1		Bill to	7373 Côte-Vertu west				Dorval
2		ID1	50, Haddows Lane, NY				
3		Ship to 1	MONTREAL INT'L AIRPORT,	AIR CANADA, BASE 10, FACILITIES & SUPPLY			DORVAL
4		Ship to 2	6001 GRANT MCCONACHIE WAY	ROTOABLE RECEIVING AREA			RICHMOND
5		Ship to 3	3111 CONVAIR DRIVE	STORES RECEIVING DOOR 2 OR 3	DND CONTRACT		MISSISSAUGA
		4					•
– Cusi	omer R	Remarks	File Name		Edit Customer Main	stomer Logo	-
			Remarks	Info screen to acces Return Rules screen	S		
Edit Com				Edit Sales Point Details		tomer Tax & Charges	
		dditional Information		Manage Additional Options		Entity Level Identification Ref.	
		er Approved Mods er Parts Sale List		SLA/Core Return Rules	Manage	Customer Specific RSPL	

ramco



Exhibit 6:

View Customer Record screen

★ 8	Vie	ew Customer Record					≪ < 1 > >>	RAMCO OU-ramco role 👻 📿 🔒	🛱 🗲 🖽 ?	? 🗔
1		Bill to	7373 Cöte-Vertu west						Dorval	
2		ID1	50, Haddows Lane, NY							
3		Ship to 1	MONTREAL INT'L AIRPORT	,	AIR CANADA, BASE 10, FACILITIES & SUPPLY				DORVAL	
4		Ship to 2	6001 GRANT MCCONACHIE	WAY	ROTOABLE RECEIVING AREA				RICHMOND	
5		Ship to 3	3111 CONVAIR DRIVE		STORES RECEIVING DOOR 2 OR 3	DND CONTRACT			MISSISSAUGA	
6		Ship to 4	2450 SASKATCHEWAN AVE	NUE	LINE 1, LOGISTIC SUPPLY				WINNIPEG	
Cust		Lugu			d screen to access Manage Fore Return Rules screen.					
View Cus	tomer I	Modification Information Part Master List		tatus Log ustomer Task Detail	View Cus	comer Aircraft Detail comer Tax & Charges In	formation	View Customer Component Detail View Customer Additional Information		
		Level Identification Ref. t Information		re Return Rules		tricted Stock Status		Manage Customer Specific RSPL Manage Customer Parts Sale List		
- Reco	rd Sta	itistics								
			Created By SCHEL	LAMUTHU			Created Da	te 11-09-2011 00:00:00		
			Last Modified By DMUSE	R			Last Modified Da	te 05-28-2020		

Ability to define the NTE Scrap and Repair Rates in contract for Engine modules or Sub-assemblies

Reference: APRP-342

Background

Engine MROs provide not-to-exceed limits on total price of a job which include scrap replacement of engine compressor/turbine blades upto a certain limit. This is called the 'allowed scrap rate' which is contractually agreed upon.

The requirement is to have a provision to define the NTE limits for scrap to be set in the Contract and thereby include only the given percentage of repl. as inclusion and the remaining charged as exclusions.

Change Details

A new link NTE Scrap/Repair Rates for Engine Blades has been added in the Edit Pricing and Invoicing Details screen of 'NTE Pricing & Exclusions' tab under Sales Setup business process > Sale Contract business component > Manage Sale Contract activity. (Exhibit-1)

The following details can be provided for defining the NTE Scrap/Repair Rates for Engine' in the newly added screen.

- <u>Effectivity Level</u>: Loads with 'Part Effectivity' and 'Blank'. The Scrap rate definitions can be provided at each Part Effectivity level. The Parts defined against the Effectivity Line should be of type Engine.
- <u>Effectivity Code</u>: The Part Effectivity Code of the contract against which the NTE scrap/repair rates are being defined.
- Engine Part #: The Part # of type engine against the part Effectivity Code selected.
- <u>Blade Part #</u>: The Blade Part # available in the Engine Part # for which the NTE scrap/repair is being defined.
- <u>Blade Part Group</u>: The Part Group of the Blade Part # available in the Engine Part # for which the NTE scrap/repair is being defined.
- <u>Repair Limit (in %)</u>: The Repair Limit in percentage for the blade part.
- <u>Scrap Limit (in %)</u>: The Scrap Limit in percentage for the blade part.
- <u>Notes</u>

The new screen **NTE Scrap/Repair Rates for Engine Blades** will be launched and displayed only against the Sale Contract with Object Effectivity: 'Parts' and at least one definition in the 'Part Effectivity' tab should have a part with Component Type as 'Engine'.

Definitions in this screen is not mandatory, hence will not affect Contract from changing to Fresh status.

Note that if the Sale contract is on Aircraft / a Part which does not belong to the Component Type 'Engine', then NTE scrap rate definitions will not be allowed to be defined.

Note:



Exhibit 1:

Edit Pricing and Invoicing Details screen in the Sale Contract business component

		ricing and In	voicing Details								HAECO OU-HAECO	D ROLE 👻 🗙	: A 🖸 🗲 1	2
		Contract Categ				s	ale Type	01-PRGM-EXO-PBH			Contract Date		, _, ,	
		Custome	er# ABR			Custom	ier Name	ASL AIRLINES (IRE	LAND) LIMIT.		Currency	USD		
		Effective fr	rom 2019/Apr/01			Eff	fective to				User Status			
td. & T&M	Pricing	Fixed Pricing	Monthly Inv. & Payment	Monthly Charge	UB Rev. Recog.	NTE Pricing 8	& Exclusi	ons Mat. Pricing	Caps Res. I	Pricing Caps Ext. Ser. Caps	Charges Pricing Caps	Inv. & Paym	ent T/C/D	
- NTE Pri														
		Material P	rice	1,000.00		Labou	ur Price		326.54					
		Other Res. P	rice	1,230.00		Total NT	E Price		5,400.00		Effective from 202	20/Oct/27	1	
		Effectiv	e to 2021/Oct/29											
TE Exclus	sions —													_
•	1	L - 3/3 🕨 🗰	+ - 0 % ¥ X					人血回尿	🛛 🖻 🗙		All	▼ Searc	h Q	
#	🗆 E	ff. Ref.	Eff. Ref. Code	NTE E	f. Code	Basis		NTE Excl. For?		NTE Excl. Limit	Internal Notes		NTE Excl. Description	1
1	Pi Pi	art Effectivity	POOLEX001	 NTE01 		Exclude	~	Task	~	1.0	00			
2	E Pi		V POOLSL01	✓ NTE02		Exclude	~	Resources	~	1.0	00			
3		art Effectivity	V POOLWSALL	✓ NTE03		Exclude	~	Materials	~	1.0	00			
4			v	~		Exclude	~		~					

Exhibit 2:

NTE Scrap / Repair Rates for Engine blades screen

		Contract/Rev. #	sc	rap1 / 0				Contract	Type Ge	neral		Contract Status	Draft		
ap/Ri H 4			+	* * ;	Ý			J	LLI	x x e × C	24 年 111 日 14 %	All	Ŧ	Search	Q
£		Eff. Ref.		Eff. Ref. Code		Engine Part #	Q	Blade Part #	Q	Part Group	Repair Limit (%)	Scrap Limit (%)	Notes		
	Ð	Part Effectivity	¥	sp3	v	FLT-01		001326		~	5.00	5.00			
	В	Part Effectivity	~	sp3	v	FLT-01		00-1363-35		Ý					
	11		v		~					~					
											New UI & been adde	multiline has			

Ability to set Contract Exclusions based on Engineering Document attributes

Reference: APRP-340

Background

In most of the business scenarios in component repair (Performed both internally as well as externally), jobs can be either included/excluded from the agreed pricing depending upon certain engineering attributes of tasks/work scope being performed on those particular components.

For example:

- A repair job should be classified as included, if the repair is done for a SB bulletin performed within three months of SB release date and the same job should be considered as exclusion if performed after certain period of time post SB release date.
- In ITM business model, repair jobs performed on components for Engineering Order tasks, for agreed quantity of parts serviced for those EO tasks will be charged to the customers on a certain price basis, after which the repair jobs would be non-chargeable.

Thus, the requirement is to have a provision to define the inclusion and exclusion definitions in Sale Contract based on certain engineering order/task attributes and evaluate and price the engineering tasks based on these inclusions and exclusion definitions.

Change Details

 A new parameter is added in Sales Setup > Customer > Set Sales Process Parameter screen to specify whether the Eng. Doc. scope evaluation based on Advanced Exclusion rules is 'Required' or 'Not Required'. Another parameter is added in same screen to specify whether the restricted parts from the Engineering document should be excluded based on restriction code.(Exhibit-1)

1. Display Parameters for : MRO Sales

Parameter for	: Advanced Excl. rules for EO
Process Parameter	: Eng. Doc. scope evaluation based on Advanced Exclusion rules
Permitted Value	: '0' for Not Required, '1' for Required
If the above parameter	er is set as:

- Required : The column grouping mentioned below will be visible in 'Incl. & Excl. Task' tab in 'Manage Sale Contract'
 - a. Eng.Doc attributes
 - b. Eng.Doc.Eff.Date Ref.
 - c. Eng. Reference
 - d. Eng. Restrictions
 - e. Eng. Task exclusions value coverage
- Not Required: The above column grouping would be hided which suits business models for which exclusion definitions are not applicable based on engineering attributes.
- 2. Display Parameters for : MRO Sales Parameter for : Advanced Excl. rules for EO

Process Parameter : Restriction Code based on which Engineering Changes on Components to be excluded

Permitted Value : Specify "0" for "Not Applicable" or a valid Restriction Code If the above parameter is set as

- Not Applicable: 'Restriction Code' column in 'Incl. & Excl. task' tab would be loaded with blank.
- Valid Restriction code: 'Restriction Code' column in 'Incl. & Excl. task' tab would be loaded with value defined against the parameter.
- 3. New Columns have been added in the 'Excl. & Incl. Task' tab in the Contract Main Info. Page under Sales Setup > Sale Contract > Manage Sale Contract screen to define the exclusions and inclusions definitions for tasks based on engineering attributes. All the columns under this tab are grouped under multiple sections depending on the type of information being provided.
 - Eng. Doc. Attributes column grouping contains the columns related to engineering document to define exclusion definitions. The following are the newly added controls under this group (Exhibit-2) :
 - a. Applicability: Loaded with values as Blank, Component, Engine, Aircraft
 - b. Eng. Class: Loaded with values as Blank, Replacement, Retro fitment, Task Improvisation, Task schedule related and Informative
 - c. Mandatory: Indicates 'Yes' or 'No' against Engineering Document
 - d. Reliability: Loaded with values as Blank, Yes and No.
 - e. Certifying Authority: Loaded with all the Active 'Certifying Authority' under Maintain Certifying Authority screen under Logistics Common Master Component.
 - f. User defined controls to be loaded with all the 'Active' quick codes defined under the resp. quick code type in the Edit Quick Codes screen under Maintenance Change Request component.
 - Eng.Doc. Eff.Date Ref. column grouping contains the columns to define the specific period based exclusions for engineering document. The following are the newly added controls under this group (Exhibit -3) :
 - a. Date Incl.: Loaded with values 'Blank', 'Less than or equal', 'Less than', 'Greater than or equal' and 'Greater than'
 - b. Incl. Period: Indicates the actual value of time period.
 - c. UOM: Loaded with the values 'Blank' and 'Months'
 - Eng. Reference column grouping contains the columns to define exclusions only for Covered Qty. agreed with the customers. The following are the newly added controls under this group (Exhibit-3 :
 - a. Eng. Doc #: Indicates the Engineering Document #

- b. Part #: Indicates the Part in Engineering Document
- c. Covered Qty. : Indicates the Qty. which is covered with a particular pricing basis
- d. Pricing Covered Qty. : Loaded with values 'Blank', 'Non-Billable', 'T&M' and 'Fixed Price'
- e. Rem. from A/c Reg. #: Indicates the A/c Reg. # in Engineering Document
- f. Rem. from A/c Model: Indicates the A/c Model # in Engineering Document
- Eng. Restrictions column grouping contains the columns to define part restrictions based on restriction codes. The following are the newly added controls under this group(Exihibit-4) :
 - a. Restriction: Loaded with values 'Yes', 'No' and blank.
 - b. Restriction Code: Loaded with 'blank' and restriction code set in Set Sales Process Parameters
- Eng. Task Excl. Value coverage contains the columns to define cap values for engineering tasks if applicable. The following are the newly added controls under this group(Exhibit-4) :
 - a. Computation Basis: Loaded with values as 'Percentage based', 'Flat Value' and 'Blank'
 - b. Covered Cap Value: Indicates the covered cap value.
- Note:

Exclusion Definition against the above mentioned column, attributes can be defined only for Contract with Object Applicability: 'Parts'. Eng. Doc. Attributes based inclusion/exclusion definitions for an 'Aircraft' contract

Exhibit 1:

The Set Sales Process Parameter screen in the Customer business component

*		Set	Sales Process Parameters		RAMCO OU-ramco role 👻 📿	⊖ ₽ 4 ? ⊡ .
- Se	lect I	Paran	neter Details			
			Display Parameters for MRO Sales	•		
		c Daw	meter List			
_						
*	•		69 - 76/100 🕨 🕨 🕇 🗆 🛞 🍄 🖉	T 7 / L 5		Search Q
#			Parameter for	Process Parameter	Permitted Values	Nexula estated
69			Sevice Sale Billing	Default Invoice Category for Direct Invocie Release	Specify a valid Invoice Category defined in Category business component	Newly added
70			Customer Order - Services	Cost booking on recording additional charges	Specify '0' for 'Required' and '1' for 'Not Required'	Parameters
71			Sale Quotation	Source for Estimated materials cost computation	Specify '0' for 'Standard Cost' and '1' for 'Pricelist based'	
72			Sale Quotation	Source : Source Pricelist for Estimated materials cost computation	Specify '0' for Max. Price, '1' for Min. Price or specify valid pricelist of type	0
73			Advanced Excl. rules for EO	Eng. Doc. scope evaluation based on Advanced Exclusion rules	Specify "0" for "Not Required" and "1" for "Required"	
74			Advanced Excl. rules for EO	Restriction Code based on which Engineering Changes on Components to be excluded	Specify "0" for "Not Applicable" or a valid Restriction Code	Stock
75			Service Sale Billing	Default Invoice Category for Warranty Billing	Specify a valid Invoice Category defined in Category business component	DET
76			Customer Order – Services	Bill back Journal Vouchers with Customer Order reference	Specify "0" for "Required" and "1" for "Not Required"	0
			4			•
				Set Process Parameters		
- Re	cord	l Stati	stics			
			Created by		Created Date	
			Last Modified by	DMUSER	Last Modified Date 09-21-2020	

Exhibit 2:

The Manage Sale Contract screen in the Sale Contract business component

*		Mar	nage Sale Contra	ct											RAMCO O	U-ramco role	→)\$ i	₽ ₽ €	? 🗔 🖪
- Co	ntra	ct De	tails																
_			Contract # / Rev. a	# ROTe	est1	Q	1 00	reate	Contract 💿 Modify	Con	ntract				I				
																Colun	nn Gro	uping:	
Contra	act D	etails	Aircraft Effectivity	Part Eff	ectivity Details	Part Se	rial Work Scope	TA	T - Aircraft TAT - Part	s	Incl. & Excl Task Excl Cor	ns	sumed Parts Contra	ct Uplo	ad Summary	Ena. [Doc. At	tributes	
		Inclus	sion Enumeration						Exclusion	n Eni	numeration					Denni		e with Repair	-
- 1	nclus	ion /	Exclusion List														/		
	•		1 - 5/6 🕨 🕨 🚥	+ - (] x 🛊 🖉	Y X						x	• • 🗴 🛪 🗰		M All		▼ Sea	rch	Q
#			Eng.Doc. Attributes															Eng.Doc.Eff.Date	Ref.
"			Applicability		Eng.Class		Mandatory?		Reliability?	-	Certifying Authority	-	User Def.4	User	Def.5	User Def.6		Date Ind.	
1			Component	~		× 1	í es	~		~	~		~			•	~		
2			Component	~		~		~		~	×	E	EXCINCCODE 🗸	_	×	•	~		
3			Component	~		× 1	No	* [Yes	۷	~		~	QC5	×		~		
4			Component	~		~		~		~	EASA 🗸		~		×	UD TEST 6	~		
5			Component	~		~		~		Y	~		~		×	•	~		
			4																•
— В	ER-			_															
			Pricing Basi				•									. —			
			BER Responsibilit				•		BER Repair Threshold						BER % Bas	ed on		•	
			BER Evaluation Basi	S			•		BER P			•							
									Save Task	Inc	clusions & Exclusions								
					Confirm	n Contra	ct							(Cancel Contract				
					Confirm	n Contra	ct							(Cancel Contract				

Exhibit 3:

The Manage Sale Contract screen in the Sale Contract business component

★ 8	Man	age Sale Contract										RAMCO	OU-ramco role 🔻	- x4 🔒	\$. 🖽 🤉	0 K
- Cont	ract Det	ails															A
		Contract # / Rev. # RO	Test1	Q 1	🔿 Create (Contract 💿 Modify Cont	ract	_					Go				
	Inclusi	Aircraft Effectivity Part E	ffecti	Column Grou Eng.Doc.Eff.D		ircraft TAT - Parts 1 Exclusion Enu		14	Column Enginee			ad Summar	/ Definition for	Exchange w	ith Repair	•	
•		1 - 5/6 • • • + -	0 8				人山	5		¢	X # # III N	% All		▼ Search	1	Q	
-		Eng.Doc.Eff.Date Ref.				Engineering Ref.											
-		Date Ind.		Cl.Period	UOM	Eng.Doc. #	Part #	2	Covered Qty.		Pricing-Cov. Qty.	Rem. Fr	om A/c Reg. # 🔎	Rem. F	rom A/c M	odel # 🔎	
1		Less than	~	6.0000000	Months							~					
2		Greater than or Equal to	~	6.0000000	Months							~					
3			~									~					
4			~		Y				_			~					
5			~			EO-001074-2020	000:99999			10	Fixed Price	101					
		4														Þ	
- BER																	-
1		Pricing Basis		•													
		BER Responsibility		•		BER Repair Threshold (%						BER %	Based on			-	
		BER Evaluation Basis		-		BER Pricing			•								
						Save Task Incl	usions & Exclu	sions									
				Confirm Contract							C	ancel Contr	act				-

Exhibit 4:

The Manage Sale Contract screen in the Sale Contract business component

ramco

		Contract # / Rev.	# ROTest1	,O 1	 Create Contract Modify Contract 				0	Go		
tract	Details	Aircraft Effectivity	Part Effectivity Details	Part Serial Work	s	- Task Excl.	- c <mark>Colur</mark>	nn Grouping:				
	Inclus	sion Enumeration			Column Grouping:		Eng.	ask Excl. – Val	ue ni	ition for E	xchange with Repair	•
Incl	ision /	Exclusion List			Eng. Restriction		Cove	age				
•		1 - 5/6 🕨 🍽	+ - 🗆 🛪 🌣 🖉	Y X							 Search 	Q
ł		Eff. Ref.	Eff. Ref. Code	Eng. Res Restricte		Eng.Task ExclVa Computation Basi		Covered Cap Value	Exclusion Price Pricing Basis	-	Fixed Price Defn. for	Excl Effe
		Part Effectivity	PE1	V No	~	~	×		Fixed Price	~	Task	v
		Part Effectivity	PE2	Ves 🗸	✓ Stock	~	~		T & M	~		~
		Part Effectivity 💊	PE3	~	~	✓ Flat Value	~	100.0000000	T & M	~		~
		Part Effectivity 💊	PE4	~	~	~	~		T & M	~		~
		Part Effectivity	PE1	~	~	~	~			~		v
				•								+
BER		Pricing Bas	ic									
		BER Responsibilit		·	BER Repair Threshold (%)			BE	R % Based on			
		BER Evaluation Bas		•	BER Pricing		•					
					Save Task Inclusions 8	k Exclusions						

Ability to automatically update approved Impact Assessment details to Contract for Eng. Doc. Exclusions on EO release

Reference: APRP-1140

Background

Business Models like Inventory Technical Management services get their MOD upgrades done for the components which they serve to their customers through an external repair vendor. MOD tasks are obtained as Service Bulletins from respective OEM either as a mandatory task or a task which improves the reliability of the component. Thus, to perform these MOD tasks on the parts which ITM operators serve to their customers, they would get in touch with the respective customers and agree to charge them for certain quantity of part to perform these tasks and beyond the agreed quantity, these MOD tasks charge would be incurred by ITM-Services and provided free of cost to customers.

In Ramco, Service Bulletins which are released are incorporated as Maintenance Change Request, in turn to Impact Assessment document where the details agreed quantity for parts against each part-task combination will be updated and sent to customer for approval with respect to Customer Contract. Once the customer has approved these Impact Assessment documents, the details will be updated to Engineering Document for execution.

This requirement is to update these engineering attributes automatically to Sale Contract without any manual interventions on release of Engineering Document.

Change Details

New parameters are added in 'Operational Parameters' tab of Edit Terms of Execution screen under Manage Sale Contract activity in the Sale Contract business component.

a.	Category	: Commercials
	Element	: Eng. Change Exclusions
	Description	: EO exclusions billing based on Engineering Impact Assessment
	Permitted Values	: '0' for 'Required', '1' for 'Not Required'

- If the above set option is set as:
 - Required: Then the details from EO document will be updated as new Definition in 'Incl. & Excl. – Task' tab of respective sale contract with the new line having the details in 'Engineering Ref.' column grouping from Impact assessment document and Engineering Document on the event of 'Release Eng. Doc.'
 - Not Required: Then EO attributes will not updated to sale contract in the event of 'Release Eng. Doc'.

Note: Engineering Attributes to the 'Engineering Ref.' column grouping will be updated only when above parameter is set as 'Required' and also the parameter 'Eng.Doc. Scope evaluation based on Advanced Exclusion rules' is set as 'Required' in the **Set Sales Process Parameter** screen under **Customer** business component. Engineering Attributes will not be updated if any one of the above parameter is set as 'Not Required.'

- b. Category : Commercials
 Element : Eng. Change Exclusions
 Description : Revise Contract to auto apply EO exclusions based on Engineering Impact
 Assessment
 Permitted Values : '0' for 'Yes, in Fresh Status', '1' for 'Yes, In Approved Status', '2' for 'No' and '3' for 'Not Applicable'
 - If the above set option is set as
 - Yes, in Fresh Status: Then the EO Attributes from the Engineering Document would be updated with respect to document status of Sale Contract. On EO release, if the status of Sale Contract is:
 - 'Draft' / 'Fresh' / 'Returned', Engineering Doc. Attributes from EO document will be directly updated in the 'Inclusion and Exclusion' tab without generating a new revision.
 - "Confirmed", the existing revision for identified contract will be changed as 'Fresh' status and then Engineering Document Attributes from EO document will be updated.
 - III. 'Approved', a new revision for identified contract will be generated in 'Fresh' status and against the new revision which is generated in 'Fresh' status, Engineering Doc. Attributes from EO document will be updated.
 - Yes, in Approved Status: The EO Attributes from the Engineering Document would be updated with respect to document status of Sale Contract. On EO Release, if the status of Sale Contract is:
 - 'Draft' / 'Fresh' / 'Returned', Engineering Doc Attributes from EO document will be directly updated in 'Inclusion and Exclusion' tab without generating a new revision.
 - II. **'Confirmed'**, the revision for identified contract will be changed as 'Fresh' status and then Engineering Document Attributes from EO document is updated.
 - III. 'Approved', a new revision for identified contract will be generated in 'Approved' status and against the new revision which is generated in Approved status, Engineering Document Attributes from EO document will be updated.
 - No: Engineering Document Attributes from EO document are updated directly in 'Inclusion and Exclusion' tab in the same revision of Sale Contract document on release of EO.
 - Not Applicable: Engineering Document Attributes will not be updated in identified

Sale Contract on EO release. This option can be only set if the parameter 'EO exclusions billing based on Engineering Impact Assessment' is set as 'Not required'.

Note:

- Fixed Pricing tab in Sale Contract will be automatically updated with a fixed price value against a new line inserted with the Inclusion or Exclusion definition reference, if the Eng. Doc. Attributes is updated with 'Pricing Cov. Qty.' as 'Fixed Price' in 'Incl. & Excl. – Task' tab.
- 2. On Release of EO, if the identified Sale Contract is in 'Closed/Cancelled' Status, then Engineering Doc. Attributes are not updated to the contract.
- Modifications are restricted for the lines inserted in 'Incl. & Excl. –Task' tab of Sale Contract through Eng. Doc. Release.
- 4. When a line in Impact Assessment/ Engineering Document is modified and document is re-released, the line initially updated in the Sale Contract will not be updated with the modified values. Only the New lines inserted in the Impact Assessment will be updated to Sale Contract on re-release.
- c. Category : Commercials
 Element : Eng. Change Exclusions
 Description : Restrict billing for EO excl. on exchange cores based on the source quantity
 issued with MOD upgrades
 Permitted Values : Enter '0' for 'Yes' and 1' for 'No'
 - If the above set option is set as:
 - Yes : Then the exclusions based billing for exchange scenario will be applicable only if:
 - I. The Issued Qty. of Post MOD in source part against that particular exclusion line Ref. is greater or equal to the Complied Qty. which is repaired as core unit.
 - II. The Complied Qty. is lesser than or equal to Covered Qty. in Sale Contract against the Inclusion / Exclusion line reference.

Note: If any one of above condition fails, the job will be billed under the Part Effectivity pricing basis.

 No: Then the exclusions based billing for exchanges will be applicable when the Complied Qty. is lesser than or equal to Covered Qty. in Sale Contract against the Inclusion/Exclusion line reference. If the condition is not satisfied, the job would be billed under Part Effectivity pricing basis.

Exhibit 1:

The Edit Terms of Execution screen in the Sale Contract business component

		ct Details							
			Rev. # HaecoTestCont			fic			Contract Status Approved
		Contract Ca		Sale Type					Contract Date 04-01-2020
			omer # 400007	Customer Name	Customer 8				Parameter to specify automatic
		Effectiv	e from 04-01-2020	Effective to					
)nera	tional	Parameters P	ermitted Work Delays	Part Handling Details Customer Supplied Parts					EO attribute update to Contract
	-	_							is required or not
•	•				人ഥ日		_	X # #	
#		Category	Element	Description		Value	Value Select	ed	Permitted Values
46		Commercials	FP per Month	Display of A/C level apportioning of Contract level Fixed Monthly Charges in	n invoice				Enter '1' for Required, '2' for Not Required
47		Commercials	Manage Price	Escalations for contract		0			Specify "0" for "Automatic"
48		Commercials	Eng. Change	EO exclusions billing based on Engineering Impact Assessment			Required		"0" for "Required" and "1" for "Not Required"
49		Commercials	Eng. Change	Revise Contract to auto apply EO exclusions based on Engineering Impact	Assessment	1	Yes in Appro	ved Status	"0" for "Yes" in Fresh Status, "1" for "Yes" in Approved Status, "2" for
50		Commercials	Exchange Fee Pricing	Base Rate Computation basis for Exchange Fee for parts sourced through	/endor	0	PO Cost		Enter '0' for 'PO Cost' and '1' for 'As Defined in PPL'
51		Commercials	Vendor Exchanges	Back to Back Exchange Model for Customer Exchanges sourced thru Exch.	POs	0	Required		Enter '0' for 'Required' and '1' for 'Not Required'
52		Commercials	Quote - Threshold	Basis for Computation of Quote Threshold					Enter "0" for "Flat Value", "1" for "% on Part Cost", "2" for "Not
53		Commercials	Quote - Threshold	Part Price List for Computation of Part Cost for Quote Threshold.					Enter a valid Part Price List.
54	12	Commercials	Ouote - Threshold	Basis for Computation of Part Cost for Ouote Threshold					Enter "0" for "Standard Cost", "1" for "Std. Purchase Cost", "2" for
55		Commercials	Service Sale Billing	Restrict billing for EO Excl. on exchange cores based on source quantity iss	sued with	1	No		Enter '0' for 'Yes' and '1' for 'No'

Ability to evaluate Contract for an Order based on Request Attributes viz. Request Source & Request Purpose

Reference: APRP-1240

Background

Currently the Customer Request for 'Repair/Exchange' is set up in to a Customer Order once a contract is identified and evaluated for the part/service request. The attributes of the request that are currently being used for contract evaluation are: Request Date, Customer #, Part Details, and Aircraft Details only. The requirement has come up that certain other attributes of request also participate in evaluating the contract before a Customer Order is set up.

Hence this enhancement brings the improvement in **Sale Contract** to identify these request attributes to define valid part effectivity definitions and evaluate the Contract for an Order Based on these additional attributes.

Change Details

New Controls in Sale Contract:

- New Controls 'Request Source' and 'Request Purpose' have been added in the multiline of the Part Effectivity tab in the Manage Sale Contract activity under **Sale Contract** screen. (**Exhibit-1**)
- The 'Request Source' combo is loaded with all active category codes defined for the Category Type 'Source Doc. Type' in the **Manage Category Codes** activity of the **Category** business component under the **Sales Setup** business process.
- The 'Request Purpose' combo is loaded with all the active category codes as defined for the Category Type 'Request Purpose' in the Manage Category Codes activity of the Category business component under the Sales Setup business process.

Contract Evaluation Logic:

• Contract Evaluation logic has been enhanced to consider 'Request Source' and Request Purpose' as additional attributes along with the existing ones during generation of Customer Order from Customer Request.

Points to be noted:

- 1. If the part effectivity in Sale Contract is defined with both 'Request Source' and 'Request Purpose' and the Customer Request also carries these attributes, then the evaluation of contract will be done based on the defined attributes.
 - Note: These new two attributes are in addition to the existing logic and attributes used for evaluation.
- 2. If the part effectivity in Sale Contract is not defined using 'Request Source' and 'Request Purpose' and the Customer Request screen does not carry these attributes, evaluation of contract will be done

based on the existing functionality, that is, evaluation will happen with the other attributes as per the existing functionality.

- 3. If the part effectivity in Sale Contract is not defined using 'Request source' and 'Request Purpose' but the Customer Request carries these attributes, evaluation of contract will be done based on the other attributes and the applicable contract will be evaluated.
- 4. If the part effectivity in Sale Contract is defined with both 'Request Source' and 'Request Purpose' but the Customer Request screen does not carry these attributes, evaluation of contract will be done based on the defined attributes but contract will not be eligible.
 - Note: While generating Customer Order manually/ from Goods Inward screen/ Route Unserviceable Parts/Components, during contract evaluation, 'Request Source' and 'Request Purpose' is considered as 'Blank' and contract evaluation will be done based on other existing attributes.

Exhibit 1:

Manage Sale Contract screen in the Sale Contract business component

★ 目	Mai	nage Sale Contract						RAMCO OU-	ramco ro	le 🔻 🗘 🔒	₽ 4	? .
- Contra	act De		D 1 Create	Contract 🔘 Modify Co	intract				Go			
Contract [Details	Aircraft Effectivity Part Effectivity Details	Part Serial Work Scope	TAT - Aircraft TAT - Pa	rts Incl. & Excl Task Excl.	- Consumed Parts Contr	ract	Upload Summary				
•		1 - 2/2 🕨 👾 🕇 🗖 🗇 🏁 🌾 🎽	7 7			≥ × € X ∓ #	010	📢 🞋 All		 Search 		Q
#		Part Effectivity Code	Applicability	Part # 🔎	Request Source	Request Purpose		Mfr. Part #	Q	Mfr. #	Q	Part Des
1		PE01	Specific 🗸	000:99999	нуурк 🗸	INIFT	~	000		99999		ELECTRI
2		PE02	Specific 🗸	0000:4373A	~		~	0000		4373A		PRES 0-3
3			~		×		~					
				mns 'Request Sc Purpose' has bee								
								•				•
		epair Supplier List Vi e Return Rules	ew Part Groups	Save	Part Effectivity View Aircraft Group							

WHAT'S NEW IN SERVICE SALES MANAGEMENT?

Ability to evaluate Eng. Doc. Based tasks in Shop work order and visibility in Quote & Inv. Release

Reference: APRP-1141

Background

Business scenarios in component repair (typically that of repair on In-flight entertainment systems), jobs can be either included / excluded / included with cap from the agreed pricing depending upon certain attributes like time period of SB/AD Release Date, Mandatory, Reliability and so on.

Thus provision is given to facilitate task level definitions in the **Manage Sale Contract** which will be applied for final billing of an EO task in **Manage Sale Quotation** and **Manage Invoice Release** screen, if the task is added in Work Order with the above mentioned Engineering Attributes.

For example:

- A repair job must be classified as included; if the repair is done for a SB bulletin performed within 3 months of SB release date.
- Same repair job must be considered as Included but with a cap limit; if the repair is done for a SB bulletin performed within 6 months of SB release date.
- A repair job must be classified as excluded; if the repair is done for a SB bulletin if performed after 6 months of SB release date.

Change Details

- 1. For addressing the direct entry in Task Master, the following controls are introduced:
 - Eng. Doc. Eff. Date: It represents the effectivity period of the particular document.
 - <u>Mandatory</u>?: This is to ensure whether the task is mandatory.
 - <u>Reliability Related?</u>: This is to ensure whether the Task is related to any reliability improvement.
 - Eng. Doc. Class: This is to have different classes of document same as in engineering document.
 - Along with the above controls some additional user defined combo controls are introduced. i.e, User defined- 4-6 .(Exhibit -1)
 - The above controls are added in Create Task Information, Edit Task Information, Maintain Activated Task and View Task.
- The 'Customer Order #' in the multiline of 'Select Customer Order Services' is made as data hyperlink control to launch the Manage Sale Quotation screen instead of selecting a document from the multiline and navigating through a link. (Exhibit -2)

- New columns are introduced in the 'Ref. Info tab' of the Manage Sale Quotation screen and 'Reg. Billing Info.' tab of the Manage Invoice Release screen for the visibility of task level capping charges for EO task. columns introduced in the screen are as follows: (Exhibit -3,4,5,6)
 - EO Task? 'Yes' or 'No'. Indicates whether the task added in the SWO is EO task.
 - <u>EO Attributes</u>: Displays the Engineering attributes of the task by concatenating using '|' separator.
 - <u>EO Doc #:</u> Displays the Engineering Order Document # based on which the EO task is inherited into the Work Order.
 - <u>Covered Cap per Unit FP task</u>: Displays the covered cap value per unit for the task from the contract definitions, if the task runs under fixed price. Or else the column will be left 'Blank'.
 - <u>Adj. FP per unit</u>: Displays the adjusted value per unit after the cap value is applied, if the task runs under fixed price. Or else the column will be 'Blank'.
 - <u>T&M Price per unit</u>: Displays the T&M price for the task per unit which is obtained from the 'Material' and 'Resources' tab for that particular task for single Qty. Column will be blank for the task which runs under 'Fixed price'
 - <u>Covered Cap per Unit T&M task</u>: Displays the covered cap value per unit for the task from the contract definitions, if the task runs under T&M. Or else the column will be 'Blank'.
 - <u>Adj. T&M Price per unit</u>: Displays the adjusted value per unit after the cap value is applied, if the task runs under T&M. Or else the column will be 'Blank'.
 - <u>T&M Extd. Price</u>: Displays the total T&M price for the task after cap, for all the parts in the Work order. Column will be blank for the task which runs under 'Fixed Price'

Exhibit 1:

The Create Task Information screen in the Maintenance Task business component

★ ■ Create Task Information		RAMCO OU-ramco role 👻 💢 🖨 🗲 🖽 🤉 🗔
Sub-Task Details Re - Number Reference Details		Following controls are added "Eng. Doc. Eff. Date, Mandatory?, Reliability Related?, Eng. Doc. Class,
Maint. Manual Ref. # Source Document #	SB-00098-2020	Source Docume EO User Defined 4-6"
Manufacturer # Work Location Ref. #	Q	Manufacturer Name
Mandatory? Eng. Doc. Class	Yes Task Improvisation	Reliability Related? No v
User Defined 2 EO User Defined 5		EO User Defined 4 UD TEST 2 V EO User Defined 6 EXINCCODE6 V
Document Attachment Details File Name	۵	View File Create Task

Exhibit 2:

The Manage Sale Quotation Screen

★ E	S	elect Customer Or	der - Service					RAI	ICO OU-Ramco Role	- × ⊕ ₽	€ ? [₀
- Sea	rch Cr	iteria									
		Doc. Type		•							
		Order Based	•		Estimatio	on Status	▼	Maint. (Object	•	
		Work Center #	•	•	Quo	te Status	•	Customer	Based	•	
		Addl. Search			Cust. Ser	vice Rep.	Q	Order Date from	m / to 2020/Sep/05	5 🗰 2020/0	Oct/05 🛗
				yperlink contro	ol to	Search					
Sea	rch Re	sults	facilitate ea	asy navigation.		Search					
		1 - 10/60 🕨 🕨	77				<u>▶ <u>II</u> 5 🖹 2 🖹 C</u>		All	▼ Search	Q
#		Est. Status	Cust. Order #	CO Rev. #	CO Date	CO Description	CO Priority	Quotation #	Q. Rev. #	Q. Status	Pre Quotation
1		Not Required	CO-008319-2020	0	2020/Sep/08	Autogenerated CO	Normal				
2		Not Required	CO-008320-2020	0	2020/Sep/08	Autogenerated CO	Normal				
3		Not Required	CO-008321-2020	0	2020/Sep/09	Autogenerated CO	Normal				
4		Not Required	CO-008322-2020	0	2020/Sep/09	Autogenerated CO	Normal				
5		Quoted	CO-008323-2020	0	2020/Sep/09	Autogenerated CO	Normal	CO-008323-2020	0	Cancelled	
5		Quoted	CO-008323-2020	0	2020/Sep/09	Autogenerated CO	Normal	CO-008323-2020	1	Fresh	
7		Quoted	CO-008324-2020	0	2020/Sep/09	Autogenerated CO	Normal	CO-008324-2020	0	Fresh	
8		Quoted	CO-008325-2020	0	2020/Sep/09	Autogenerated CO	Normal	CO-008325-2020	0	Fresh	
9		Quoted	CO-008326-2020	0	2020/Sep/09	Autogenerated CO	Normal	CO-008326-2020	0	Fresh	
10		Quoted	CO-008327-2020	0	2020/Sep/09	Autogenerated CO	Normal	CO-008327-2020	0	Fresh	
		•									+

Exhibit 3:

The Manage Sale Quotation screen in the Sale Quotation business component

★ 🗏 Manage Sale Quotation				K ◀ 1 ► ≫ RAM	CO OU-ramco role 🔻 🕽	‡ 🗗 🗲 🛅 ? 🗔
Print Comments	ame Customer 8	Cust. Order # CO-009 Quote Currency CAD	085-2020 Quote	Value 3000.00 of Repl.Value	0.00	
Exchange Rate 1.00000 Total Qtd. Value (Br Main Info. Ref. Info. Materials Resources Ext. Services Dire	ase Curr.) 3000,0000000 ct Qt. Info NTE Price Exceedance Ad	Status Fresh	CO Maint. Obj. Pricing Summary	Assessment Info.		
Quote Summary						
T & M Price - Mat. 0.00000000	T & M	Price - Lab. 5500.000000	00	T & M Price - Oth	. Res. 3000.00000000	
T & M Charges 0.00000000	T & M - E	xt. Services 0.00000000		T & M Price -	Total 3000.00000000	
Fixed Price Total 0.00000000		ic Qt. Value 3000.0000000	Co	lumns for task le oping values, if t		
Quote Level O Detail Level Get Deta	ils		rur	ns under 'T&M'		
Quote Ref. Details						
< 4 1 - 2/2 🕨 🗰 🗇 🛠 🌾 🏋 🏋		人山		All 👫 🐕 All	▼ Sear	n Q
# 🔲 Task # EO Task? EO Attributes	EO Doc # Qty.	T&M Price per unit	Covered Cap per unit - T&M task	Adj. T&M Price per unit	T&M Extd. Price	Total Price
1 EO-001094-2020 / 0 Yes C Y Y	EO-001094-2020 1.000000	5500.00000000	5500.000000	0.000000	0.00000000 00	0.0000000
2 REMOVE						3000.0000000
3						4

Exhibit 4:

The Manage Sale Quotation screen in Sale Quotation business component



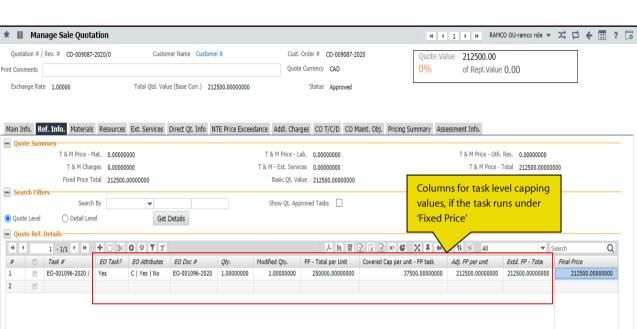


Exhibit 5:

The Manage Invoice Release Screen in the Service Sale Billing business component

1		Mana	ge Invoice Releas	se								o role 🔻 💢 🔒	₩	? 🗔
Bi	lling S	ummary												
		Ba	sic Value 5000.00000	000	Order Level	TCDs 0.00000000			Total Value	5000.00000000		Currency CAD		
		Excha	nge Rate 1.00000		Total Value (Base (Curr.) 5000.00000	000							
			_											
	Reg. I	Billing In	fo. Actuals Info. Ma	aterials Resource	es Ext. Services CO Pre	epayment Info. D	irect Rel.	Info. NTE Price	& Exceedance Addl. Ch	arges CO T/C/D CO	Columns for t	ask level cap	oping	
	Billing	Ref. Det	ails								values, if the t	task runs un	der	_
	Get	Count 0	/2			🔿 Invoice Level	🔵 Detail	Level		Sea	'T&M'		uci	
	*	•	1 - 2/2)))	F - 🗆 🛪 🗘	%YY			Å	<u>III</u> 🗟 🕅 🗶 🖹 ×∙			 Search 		Q
	#		Task # A	EO Task?	EO Attributes	EO Doc. #	Qty.	Modified Qty	T&M Price per unit	Covered Cap per uni	Adj. T&M P. per L	T&M Extd. Price	Final Price	~
	1	1	EO-001105-2020 / 0	Yes	C Yes No	EO-001105-2020	1.0000	1.00000000	2500.00000000	500.00000000	2000.00000000	2000.00000000	2000.0) (
	2		Remove	103	officiality				2000000000		2000000000		3000.0	
	3		- Canore											
	-													
													4	•
≥	Add N	ew Tasks									View Re	pair Findings		
	Billing	Info. —												
			T & M Price - Mat.	0.00000000			T & M P	rice - Lab. 5500.0	0000000		T & M Price - Oth. Res.	0.00000000		
			T & M - Ext. Services	0.00000000			T & I	1 Charges 0.000	0000		T & M Price - Total	5000.00000000		

Exhibit 6:

The Manage Invoice Release screen in the Service Sale Billing business component



ramcc

ro	CC	
ra	C)

1		Mana	ige Invoice Relea	se						* 1 >	RAMCO OU-ramco ro	le 🔻 🕮 🛱	🗲 🖽 ? 🗔
В	illing Su		asic Value 5000.00000	000	Order Level	TCDs 0.0000000			Total V	alue 5000.0000000	с	urrency CAD	
		Exch	ange Rate 1.00000		Total Value (Base (Curr.) 5000.00000	000				Columns for	task level ca	oping
	_			aterials Resource	s Ext. Services CO Pre	epayment Info. D	irect Rel.	Info. NTE Price	& Exceedance A	ddl. Charges CO T/C/D CO Mai	values, if the 'Fixed Price'	task runs un	der
		Ref. De Count				O Invoice Level	🔘 Detail	Level		Search by			
	*	•	1 - 2/2 🕨 🗰	* *	<u>%</u> Y Y			٨				▼ Search	Q
	#		Task # A	EO Task?	EO Attributes	EO Doc. #	Qty.	Modified Qty	FP- Total/Unit	Covered Cap per unit - FP task	Adj. FP per unit	Extd. FP - Total	inal Price
	1		EO-001105-2020 / 0	Yes	C Yes No	EO-001105-2020	1.0000	1.00000000	3500.0000	1500.0000	2000.0000	2000.0000	2000.00
	2		Remove									0.00000000	3000.00
	3												
5		w Tasks									View Repai	- Cardinan	•
											view Repair	r rindings	
	Billing	1010	T & M Price - Mat.	0.0000000			T & M P	rice - Lab. 5500.0	0000000	т	& M Price - Oth. Res. 0.0	0000000	
			T & M - Ext. Services	0.00000000			T & I	M Charges 0.0000	00000		T & M Price - Total 50	00.0000000	

Ability to evaluate Engineering Document based tasks in Repair Order for Inclusion / Exclusion and visibility of pricing in Invoice Release

Reference: APRP-607

Background

Business Models like Inventory Technical Management services get their MOD upgrades done for the components which they serve to their customers through an external repair vendor. MOD tasks are obtained as Service Bulletins from respective OEM either as a Mandatory task or a task which improves the reliability of the component. Thus to perform these MOD tasks on the parts which ITM operators serve to their customers, they would get in touch with the respective customers and agree to charge them for certain quantity of part to perform these tasks and beyond the agreed quantity to perform these MOD tasks, charge would be incurred by ITM- Services.

Thus task level Inclusions and Exclusions evaluation for Repair Order is enabled through an option setting. Workscope level Information for the tasks added in Repair Order can be seen in the Invoice Release with respective pricing basis based on Inclusion/Exclusion or Include with Cap definitions in new pop-up screen based on that option setting.

Change Details

• New parameter is added in **Set Sales Process Parameter** screen under **Customer** component in the **Sales Setup**' business process. This is added as one time option setting at organization level.(Exhibit-1)

Parameter Level : Organization Level Business process : Sales Setup

Parameter for : RO Workscope Billing

Process Parameter : Exclusion definition for Repair Order

Permitted Values : '0' for 'RO level' and '1' for 'RO Work scope level'

- If the above set option is set as 'RO level', then the exclusion attribute definitions are matched only at document level and not at each task added in Repair Order document.
- If the above set option is set as 'RO Workscope level', then the exclusion attribute definitions are matched for each task added in Repair Order document rather than matching the attributes at document level.
- New columns have been added in 'Ext. Ser. Pricing Details' multiline under the 'Ext. Services' tab in Manage Invoice Release screen under the Service Sale Billing business component. (Exhibit-2)
 - OOS Exists?: If any one task which is added in the Repair Order is evaluated as out of scope based on the Inclusion or Exclusion definitions in the sale contracts then, 'Task OOS?' is displayed as 'Yes'. If no such tasks exist, control will be displayed as 'No'.
 - Workscope Info.: If the Work scope level details are available in Repair Order, then 'Workscope Info.' column will be displayed as 'Yes', else it will display 'No'

- A new screen Manage Ext. Service Task Pricing Details is launched when the Workscope level information is available for a repair order document. On click of the link 'Yes' in Ext. Ser. Pricing Details multiline, this pop-up will be launched. Some of the important controls in pop-up screen are (Exhibit-3 & 4).
 - Total Qty: Displays the total quantity of parts against the selected Repair order / Repair Receipt line.
 - Repair Qty: Displays the quantity of parts repaired against the selected Repair order / Repair Receipt line.
 - BER Qty: Displays the quantity of parts for which condition of the maintenance object is beyond economic repair against the selected Repair order / Repair Receipt line.
 - Task #: Indicates the task which is added in Repair Order against the Part.
 - Eng. Task?: Displays 'Yes' or 'No' depending on whether the task added in the Repair
 Order is Engineering Order task or not.
 - Basic Rate (CO Curr.): Displays the base rate of the part or the task performed for maintenance / repair, in the customer order currency.
 - Unit Mark-up: The value of mark-up/gain for each repaired/serviced part.
 - Unit Price: Displays the price of the task with the inclusion of unit markup price.
 - Eng. Task Cov. Cap: Displays whether Covered Cap is 'Flat Value' or 'Percentage Based' column will be blank if no cap definitions are identified against task.
 - **Cov. Cap %:** Displays the % of Covered cap to be applied on unit price. Applicable only for the line identified as Eng. Task as 'Yes' with Pricing Basis as 'T&M'.
 - **Covered Unit Price:** The amount of the covered cap value which is not billable for task as defined in the sale contract. (Either can be flat value or % value on unit price).
 - Adjusted Unit Price: Amount of Unit Price which is adjusted with Covered unit price value.
 - Covered Qty: Displays the quantity of the part that is not billable for the task.
 - **Billable Eng. Qty:** Indicates the part Qty. that needs to be billed for Eng. Task. Applicable only for the line identified as Eng. Task as 'Yes'.
 - Extd. Basic Price: The sum total of repair/service price for all parts (i.e) Adj. Unit Price * Qty.
 - Eng. Doc. #: Displays Eng. Order # against which the task got inherited.
 - Eng. Doc. Eff. Date: Displays the Eff. Date of Eng. Order # identified.
 - Eng. Attributes: Displays the attributes of identified Eng. Order by concatenating it.

Exhibit 1:

The Set Sales Process Parameter screen in the Customer business component

_		meter Details Display Parameters for MRO Sale rameter List	15			neter to sp her the exc	1 - C
•		9 - 16/101 🕨 🎽 🗍 %			1	atched at o or Worksco	
# 9	5	Parameter for Service Sale Billing	Process Parameter Date identification for Service Invoice generation	Permitted Values Specify "0" for Shipment Date and "1" for System Date			
10		RO Workscope billing	Exclusion definition for Repair Order	"0 for ""RO level" and "1" for "RO Work scope level"		1	
11		Customer Order – Services	Exchange Rate Type for Sales	Specify a valid Exchange Rate Type defined in Exchange	Rate business	SPOT RATE	Spot rate
.2		Customer Order – Services	Auto-approval of Customer Order on Confirmation	Specify "0" for "Required" and "1" for "Not Required"		0	Required
.3		Customer Order – Services	Inherit Taxes only in Commercial Invoice	Specify "0" for "Yes" and "1" for "No"		0	Yes
.4		Service Sale Quote	Modification to Quote Values in Invoice Release	Specify "0" for "Allowed" and "1" for "Not Allowed"		0	Allowed
.5		Service Sale Billing	Revenue booking Policy for Usage based Billing	Specify "0" for "Booking based on actual usage" or "1" for	"Booking based	0	
16		Customer Order – Services	Status of CO auto generated based on General Contract	Specify "0" for "Fresh", "1" for "Confirmed" and "2" for "	Approved"	0	Fresh
		4					•
			Set Process Paran	natars			
		N-N		incers -			
Rec	ord Sta		Created by	Created Date			
			Modified by DMUSER	Last Modified Date 101051202	•		

Exhibit 2:

The Manage Invoice Release screen in the Service Sale Billing business component

🖈 🔋 Manage Invoice Rel	ease					1 2 3 4 5 > >>	RAMCO OU-ramco role 👻 🔾	‡ ⊕ ⊄ ←	🗄 ? 🗔 🖪
Release Main Info.									
Inv. Rel. #/Rev. # CO-009212-2	2020 🔤 1 💌	Release Status				CO-009212-2020	Inv. Rel. Readiness	Ready To Bill	
Customer # 400007		Sale Type / Pricing Basis	FP/FPM		Pend. Rel. Exists?	No			
Bill To Customer 400007	▼ Bill to	Ship To Customer	400007	 Bill to 	~				
Billing Summary									
Basic Value 225.000	00000	Order Level TCDs	0.00000000		Total Value 2	25.0000000	Currency	CAD	
Exchange Rate 1.00000		Total Value (Base Curr.)	225.00000000						
Exe. Doc. Info.	Reg. Billing Info.	Actuals Info. Materials R	esources Ext.	Services CO	Prepayment Info. Direct Rel. II	nfo. NTE Price & Exceedance	Addl. Charges CO T/C/D	CO Maint. Obj. Pr	icing Surr
	😑 Current Ref. Detail	s							
		Order # CO-009212-2020			Exe. Doc. Type RO		Exe. Doc. # AFRO	-003293-2020	
	Ext. Services Pricir SPL #	g Summary / Rev. #			Billable Ext. Ser. 225.000000	0	Billable Ext. Dec. 225.0	000000	
	Search Filters					New Columns in	troduced		
	View Opti	on Billing Info 💌			Search by	for visibility of W	lorkscope	Search	
	Ext. Ser. Pricing De	tails				level information			
	-1	/1 🕨 🕨 🕇 🗖 🛛 🖇	< 🌣 🖉 🍸	7				Search	Q
	# 🗖 Doc. 7		Doc. Type	OOS Exists?	Workscope Info. Doc. I	popup screen	Price	Pricing Basis	Part #
	1 🔲 Repair	Order ROR-000330-2020	Repair Order	Yes	Yes	1 Closed 1.000	0 LA 225.0) Fixed Price	729208
	2								

Exhibit 3:

The Manage Ext. Service Task Pricing Details screen

/Line # ROR-00033									
	0-2020 🔻 1	•	Part # 729208:99167	Se	erial/Lot # ser-17		Total Qt	. 1.0000000	
air Qty. 1.0000000			BER Qty. 0.0000000						
ails ———									
1 - 4/4 🕨 🕨	Y 7		人		C X # #	010 📢 🞋 All	T	Search	Q
Task # 🗛	Task Desc.	Eng. Task?	Basic Rate (CO Curr.)	Unit Mark-up	Unit Price	Eng. Task Cov. Cap	Cov. Cap %	Covered Unit Price	U
EO-001109-2020 / 0	EO-001109-2020 / 0	Yes	180.0000000	0.00000000	180.0000000			0.00000000	0
EO-001113-2020 / 0	EO-001113-2020 / 0	Yes	225.0000000	0.00000000	225.0000000			0.00000000	0
EO-001108-2020 / 0	EO-001108-2020 / 0	Yes	300.0000000	0.00000000	300.0000000			0.00000000	0
EO-001110-2020 / 0	EO-001110-2020 / 0	Yes	300.0000000	0.00000000	300.0000000			0.0000000	0
6	I -4/4 ▶ Task ≠ A⊥ E0-001109-2020 / 0 E0-001113-2020 / 0 E0-001108-2020 / 0	1 - 4/4 ▶ ≫ ▼ 7⁄	I -4/4 Image: Mark the state sta	I -4/4 Image: Constraint of the state	I - 4/4 ▶ ▶ ▼ ▼ F Eng. Task? Basic Rate (CO Curr.) Unit Mark-up Co-001109-2020 / 0 EO-001109-2020 / 0 Yes 180.00000000 0.00000000 EO-001113-2020 / 0 EO-001113-2020 / 0 Yes 225.0000000 0.00000000 EO-001108-2020 / 0 Yes 300.0000000 0.00000000	Image: 1 - 4/4 ▶ ▶ ▼ 7 Image: 2 - 4/4 ▶ ▶ ▼ 7 </th <th>iils 1 - 4/4 Y Y X Im Im</th> <th>Image: Second secon</th> <th>IIIS I -4/4 Y Y L IS I I Y A III Y Search Task # A1 Task Desc. Eng. Task? Basic Rate (CO Curr.) Unit Mark-up Unit Price Eng. Task Cov. Cap Cov. Cap % Covered Unit Price Co-001109-2020 / 0 EO-001109-2020 / 0 Yes 180.00000000 180.00000000 180.00000000 0.00000000 EO-00113-2020 / 0 Yes 225.00000000 0.00000000 225.00000000 0.000000000 0.00000000 0.00000</th>	iils 1 - 4/4 Y Y X Im Im	Image: Second secon	IIIS I -4/4 Y Y L IS I I Y A III Y Search Task # A1 Task Desc. Eng. Task? Basic Rate (CO Curr.) Unit Mark-up Unit Price Eng. Task Cov. Cap Cov. Cap % Covered Unit Price Co-001109-2020 / 0 EO-001109-2020 / 0 Yes 180.00000000 180.00000000 180.00000000 0.00000000 EO-00113-2020 / 0 Yes 225.00000000 0.00000000 225.00000000 0.000000000 0.00000000 0.00000

Exhibit 4:

The Manage Ext. Service Task Pricing Details Screen

nage E	xt. Ser	vice Task Pricing Det	ails											?
ocume	nt Deta	ails												
		#/Line # ROR-000330		¥	Part # 729208:99 BER Qty. 0.0000000			Serial/Lot #	ser-17		Т	otal Qty. 1.0	000000	
isk Prid	cing De				DLK Qty. 0.0000000	0								
		1 - 4/4 >>>>	T 7			人ഥ日	X	x 🖹 x 😫 X	∓ ⊯ III 14 % Al			▼ Searc	1	Q
#		Task # A	Task Desc.	Eng. Task?	Repair Qty.	Covered Qty.		Billable Eng. Qty.	Extd. Basic Price	Billable?		COA?	Eng. Doc. #	
L		EO-001109-2020 / 0	EO-001109-2020 / 0	Yes	0.00000000		0	0.0000000	0.0000000	Yes	v	Out Of 🗸	EO-001109-202	20
2		EO-001113-2020 / 0	EO-001113-2020 / 0	Yes	1.0000000		1	1.00000000	225.0000000	Yes	~	Out Of 🗸	EO-001113-202	20
3		EO-001108-2020 / 0	EO-001108-2020 / 0	Yes	0.00000000		0	0.0000000	0.00000000	Yes	×	Out Of 🗸	EO-001108-202	20
ł		EO-001110-2020 / 0	EO-001110-2020 / 0	Yes	0.00000000		0	0.00000000	0.00000000	Yes	~	Out Of 🗸	EO-001110-202	20
										te on 'E		ion Auto ange witl	h	
					S	ave Task Prici	ng II	nfo.					1	

Ramco Aviation Solution

Provision to generate the FPM/Usage based bills at the beginning of the month or end of the month/ Ability to raise monthly invoice releases for part contracts based on Aircraft age or FH

Reference: APRP-552, APRP -553

Background

For the inventory support services provided, ITMs have parts contracts with their customers and they adopt different pricing policies to charge their customers. The most prevalent ones are:

- Pricing based on the PBH rates and
- Fixed Price per Month

In case of such parts contracts, the billing is based on the agreed fleet for which the parts are supported and the Invoices raised for the jobs performed against each of the pricing basis are raised at different milestones. Currently, the pricing of aircraft jobs (under aircraft contract), based on the fixed price per month or usage of the aircraft has already been addressed in the application and the previous enhancements have introduced provision to define the Fixed Monthly Charges / PBH based billing rules for parts jobs and also provide a framework to define milestones at each Billing Element level within Usage Based / FPM Pricing Basis.

Now the business need is extension for earlier enhancement to raise and generate the monthly invoice releases for FPM and usage based charges at the beginning or end of horizon based on the aircraft age / FH or part FH depending of the pricing basis and billing element definitions in the **Sale Contract**.

Change Details

- A. A new combo control '**UB pricing Defn for**' is added in the multiline of the '**Part Effectivity** tab' of the **Manage Sale Contract** activity under the **Sale Contract** component of **Sales Setup** BPC.**(Exhibit-1)**
 - Note: A value can be selected in this control only when the Pricing Basis selected against any Effectivity line ' Usage Based'
 - The combo control will be loaded with the values :
 - <u>Parts Usage</u>: Indicates that the usage billing will be based on the usage of the parts. Contract should mandatorily have the specific part –serial level effectivity definitions to update/bill based on parts usage.
 - <u>Aircraft Usage</u>: Indicates that the usage billing will be based on the usage of Aircrafts. The Removed from A/C Details will be considered in case of Contracts with Applicability: Parts. Contract should mandatorily have "Removed from A/C details" against all of the part effectivity lines.
 - c. <u>Blank</u>: To be selected 'blank' in case if other pricing basis are selected.

Usage Update should be set as 'Consolidated' against all the billing elements defined against an effectivity line with 'UB Price Defn. for' as 'Aircraft Usage'. However both 'Individual and Consolidated' usage updates

can be set for the billing elements if the 'UB Price Defn. for' is set as 'Parts Usage' against the effectivity definition.

B. The below existing parameter under 'Operational Parameters' tab of Edit Terms of Execution link under Manage Sale Contract activity of Sale Contract component of Sales Setup has been renamed.(Exihibit-2) Existing Parameter: Setup of Monthly Invoice Release modified as

'Setup of Fixed Monthly Invoice Release'

Note:

This set option will now be used to define whether invoice generation should be manual or automatic in case of billing elements with 'Pricing Basis: Fixed Price per month'.

- C. Two new parameters as mentioned below are added under 'Operational Parameters' tab of Edit Terms of Execution link under Manage Sale Contract activity of Sale Contract component of Sales Setup .(Exhibit-3)
 - 1. Category: Commercials

Element: Billing Automation

Description: Setup of Usage Based Invoice Release

Permitted Value: '0' for Manual, '1' Automatic

- If the above parameter is set as '0' Manual, then the Invoice release for all the billing elements with Pricing Basis: Usage Based; needs to be generated manually by the user.
- If the above parameter is set as '1' Automatic, then the Invoice release for all the billing elements with Pricing Basis: Usage Based, will be automatically generated by the system once the milestone date is achieved.
- Note:

This set option will be used to define whether invoice generation should be manual or automatic in case of billing elements with 'Pricing Basis: Usage Based'.

Invoice Release will not be automatically generated irrespective of the above parameter in case if the contract has at least one billing element with 'User Defined Parameter'.

- 2. Category : Commercials
 - Element : Billing Automation

Description: Grouping Policy for Automatic Usage Based Invoice Releases generationPermitted Value: '0' for One Release per Milestone, '1' One Release per Billing Element

- If the above parameter is set as '0' One Release per Milestone, then system will generate one invoice release for all the billing elements with the same milestone in case if the invoice release generation is set as 'Automatic'.
- If the above parameter is set as '1' One Release per Billing Element, then system will generate one invoice release for each billing element in case if the invoice release generation is set as 'Automatic'.

Mote:

Based on the above set options and the definitions of billing elements (at contract level or billing element) Milestones will be populated and Invoice Releases will be generated manually or automatically.

D. A new combo control 'Billing Based on' is added in the multiline under the Monthly Inv. & Payment tab in the 'Edit Pricing and Invoicing Details' link under Manage Sale Contract activity of the Sale Contract component under Sales Setup BPC.(Exhibit-4)

Change Note:

The Billing Based on combo control will be loaded with 'Calendar Year' and 'Financial Year'. The milestones will be set during calendar year or financial year for each of the billing elements based on this.

E. A new display only control 'Billing Element' is added in the multiline under the Process / View Generated Documents tab of Process Monthly Invoice Release activity of the Service Sale Billing component of Service Sale Management BPC.(Exhibit-5)

Anna Note:

The Billing Element for which the Invoice Release is generated will be displayed in this control. If the Invoice release has been generated for multiple billing elements, then this control will be shown as 'Multiple'.

Billing Milestones:

- Since the contract has been enhanced already to set Invoice and Payment definitions against individual Billing Elements for Monthly Invoice Release, there would now be multiple milestones for the same contract for various applicable Billing Elements
- The milestone can also be set common at a contract level and in such cases, provision has been given to update usage against aircraft or a combination of aircraft and Billing Element for usage based releases
- Selection of each milestone would retrieve the eligible billable Aircrafts / Parts for usage update/billing.

Sheet ID for Usage Based Billing:

- As already enabled in the contract, usage based billing for a Parts Contract can be based on either the Component's usage or the Aircraft's usage.
- Component's usage would mean the usage will have to be updated against individual Part/Serial # and Aircraft's usage would mean usage will have to be updated against Aircraft Registration number or at an Aircraft model/group level.
- Aircraft's usage can be updated in two levels:
 - 1. If the usage of aircraft is constant for all applicable billing elements then the usage can be updated directly against the A/C Reg. #, (or),

- 2. If the usage of aircraft would vary for each applicable Billing Element based on billing period, then usage can be updated against individual Aircraft/Billing Element combination.
- All options of manual release generation, that is., one release per aircraft and one release per Billing Element are applicable to Parts Contract as well.

Monthly Invoice Release:

- Release generation remains the same as in Aircraft Contract.
- In addition to existing pricing, Contract is also enabled with Aircraft Qty. based pricing variations.
- In case of FPM billing, even though the applicability of contract is for parts, the billing parameter is still considered as 'Per month per Aircraft' and hence the release will carry the eligible aircrafts only.

Exhibit 1:

Part Effectivity Tab in 'Manage Sale Contract' activity in Sale Contract business component

	ract De	nage Sale Contract							KAPICO OD-Tanico TC	le ▼ X 🔒 🛱 🗲 [ii f
лц		Contract # / Rev. #	UB/FPMContract O	0 Create Cor	ntract 💿 Modify Cor	ntract			Go		
act	: Details	Aircraft Effectivity P	art Effectivity Details	art Serial Work Scope Co	ntract Workscope Co	ntract Value TAT - Aircraft	TAT - Parts	Incl. & Excl Task	Excl Consumed Parts	Contract Upload Summary	
1	t i	1 - 2/2)) +	* * * 7 *	1			🖹 X4 🗳	X # # III #	1/4 All	▼ Search	Q
		Part Effectivity Code	Applicability	Part # 🔎	Covers Alternates?	Rmv. from A/C Model O #	Sale Type	Pricing Basis	Fixed Price Defn. for	UB Price Defn. For	Aţ
		PE01	Specific	 5000095-01:77445 	Yes 🗸		FP v	FP per Month 🗸	,	~	~
		PE02	Specific	✓ 00-0110-3-4873:M1285	Yes 🗸	737-800	FP v	Usage Based 🗸		 Aircraft Usage 	~
				¥	~		~	· •	•	v .	~
									New contr Defn. for' a	rol 'UB Price added	
		epair Supplier List e Return Rules	View P	art Groups	Save F	Part Effectivity View Aircraft Group			Stock Allocation Rules		,

Exhibit 2:

Edit Terms of Execution screen in the Sale Contract business component

★ 8	Ed	it Terms of Execut	ion							RAMCO OU-ra	amco role 👻 💢 🗧) ⊈ ←	? 🗔	ĸ
– Mair	Contr	act Details												-
		Contract # / Rev. #	# UB/FPMContract/0	Contract Type	Customer Specific					Contract Statu	s Approved			
		Contract Category	y	Sale Type	PBH					Contract Date	e 01-01-2020			
		Customer #	# 400007	Customer Name	Customer 8					Currence	y USD			
		Effective from	01-01-2020	Effective to						User Statu	s			
Opera	tiona	Parameters Permitt	ed Work Delays Part Handling Deta	ils Customer Supplied Parts										
*		21 - 30/55 🕨 🕨	+ - 0 % 🕸 🗶 🝸 🏏		人庫日		₿ X ¹	X Ŧ	H III H %	All	 Search 		Q	
#		Category	Element	Description		Va	lue		Value Selecte	d	Notes			
21		Logistics	Manual Authorization of RO	Manual Authorization of RO pending Customer Que	ote Approval	0			Allowed	_				
22		Commercials	Progressive Billing	Progressive Billing on Task closure		Fxis	tina	para	meter					
23	5	Commercials	Work Reporting	Work Reporting by a Commercials Role				· · ·	meter					
24		Execution	Timesheet Reporting	Allow Time Reporting by Other Employees?		repi	hrase	ea						
25	8	Commercials	UB/FP per Month pricing	Billing Start Ref. date for FP per Month and Usage	based pricing	0			tart	date				
26	R	Commercials	Billing Automation	Grouping Policy for Automatic CO based Invoice Re	leases generation				Release	er Milectone				_
27	8	Commercials	Billing Automation	Setup of Fixed Monthly Invoice Release		0			Manual					
28		Commercials	Billing Automation	Grouping Policy for Automatic Fixed Monthly Invoid	e Releases generation	n o			One Release p	oer Milestone				
29	8	Commercials	Warranty Terms	Definition of Warranty Terms		2			Not Applicable	5				
30		Commercials	Limit Based Hold	Applicability of Hold on Cost Exceedance		1			Not Required					
						+							•	
				Save Para	meters									

Exhibit 3:

Edit Terms of Execution screen in the Sale Contract business component

*		Edi	t Terms of Execut	ion							RAMCO OU-rar	nco role 🔻 💢 🔒 🛱	1 (?	
-	Main	Contra	ct Details											
			Contract # / Rev. #	# UB/FPMContract/0	Contract Type C	Customer Specific					Contract Status	Approved		
			Contract Category	ý	Sale Type P	вн					Contract Date	01-01-2020		
			Customer #	[#] 400007	Customer Name C	Customer 8					Currency	USD		
			Effective from	01-01-2020	Effective to						User Status			
0	perat	ional	Parameters Permitt	ed Work Delays Part Handling Deta	Is Customer Supplied Parts									
	H 4		41 - 50/55 🕨 🕨	+ - 🗆 % 🌣 🌶 🗡 🏏		人口) ו	X # *	10 N %		▼ Search	Q	. 1
	<i>4</i>	-	Category	Flement	Description		Val	ua		Value Selecte	d	Notec		
4	_		Commercials	Billing Automation	Setup of Usage Based Invoice Release		0			Manual				
4	_		Commercials	Billing Automation	Grouping Policy for Automatic Usage Based Invoice R	leleases generati	on 1			One Release p	er Billing Element			_
4	3		Logistics	Home Based Stock Consumption	No. of Days required to replenish the stock		1							
4	4		Commercials	Quote - Material Pricing	Basis by which parts should be priced in quotation if	the pricing basi	in not no l			And Standy Lo	1			
4	5		Commercials	FP per Month apportioning	Display of A/C level apportioning of Contract level Fix	ed Monthly Cha	New P	aran	neters	have				
4	6		Commercials	Manage Price Escalations	Escalations for contract		been a	adda	d					
4	7		Commercials	Eng. Change Exclusions	EO exclusions billing based on Engineering Impact As	ssessment	Deena	auue	u					
4	8		Commercials	Eng. Change Exclusions	Revise Contract to auto apply EO exclusions based or	n Engineering Im	pact							
4	9		Commercials	Exchange Fee Pricing	Base Rate Computation basis for Exchange Fee for pa	arts sourced thro	ugh							
5	0		Commercials	Vendor Exchanges	Back to Back Exchange Model for Customer Exchange	es sourced thru E	xch. POs							
													÷.	
					Save Param	eters								

Exhibit 4:

Monthly Inv. & Payment Tab in 'Edit Pricing and Invoicing Details' UI in Sale Contract business component

*		Edit	Pricing and Ir	voicing Det	tails												RAMCO OU-ran	nco role 🔻	x ∈	9 4	(?	0
- M	ain C	ontrad	ct Details																			
			Contract # / Re	w. # UB/FPMC	ontract / 0				Contract Type	Custon	ner Spe	cific					Contract Status	Approved	ł			- 1
			Contract Cate	gory					Sale Type	PBH							Contract Date	01-01-20	20			
		Customer # 400007							Customer Name	Custon	ner 8						Currency	USD				
		Effective from 01-01-2020							Effective to								User Status					
Std.	8. T&I	M Prici	ng Fixed Pricing	Monthly Inv.	. & Payment	Monthly Char	ges UB Rev. R	ecog.	NTE Pricing & Exclusi	ions M	Mat. Pri	icing Caps	Res. Pricing	g Caps	Ext. Ser.	Caps	Charges Pricing Caps	i Inv. & F	Payment	T/C/D		_
*	•		1 - 3/3 ▶ ₩	+ - 0 :	× T 7					Ł	<u>h</u>) × C	8	K 🕂 🔟	1	4 All	•	Search		Q	
#			Billing Element		Pricing Basis		Parameter		Billing Based On		В	illing Horizon	- Regular				Billing Milestone - Reg	ular			Pro	
1			FPM	~	FP per Month	~	Per Aircraft Pe	. 🗸	Calendar Year		∨ M	onthly				~	End of Horizon				~	
2			FPM - 01	*	FP per Month	~	Per Aircraft Pe	. 🗸	Calendar Year		¥ M	onthly				~	End of Horizon				v	
3			UB	~	Usage Based	~	Flight Hours	~	Calendar Year		∨ Q	uarterly				~	End of Horizon				v	
4				~		~		×	Calendar Year		•					•					v	
			•			New	Control '	Bill	ing												+	
							d on' add		Monthly In	nvoice 1	Terms											
						Dase		icu														

Exhibit 5:

Select Documents screen in the Service Sale Billing business component

	Selec	t Documents						RAMCO OU-ramco role 🔻 💢 🤞	€ 3
Update	e Usage / (Generate Bill Process	/ View Generated Bill						
	Se User S	arch 🔹	▼	Release status Confirmed Bill Rep.	▼ Not-Invoiced ▼	Date From/To		Ex.	
					Search	New co	ntrol type 'Billi	ing	
arch I	Results					Elemen	t' has been ad	ded in	
						(Process	/View Generat	ted Bill'	
All		13 Alert	0 Overdue	13		tab			
			- 🗆 🛠 🌣 🖉						
* *		- 6/13 • • +	Invoice Type	Milestone Type	Mode Of Billing	Billing Element	Release Status	 Search Ex. Obj. Coverage 	
~		Sheet 10	invoice type		Milestone Based			Ex. Obj. Coverage	
L		SH-000016-2017	Regular	Regular	Milestone Based	Usage Revenue	Confirmed		
		SH-000016-2017	Regular Regular	Regular Regular	Milestone Based	Vsage Revenue Pool Access Fee,Storage & Logistics Fe			
2		SH-000016-2017	-	-					
2 3		SH-000016-2017	Regular	Regular	Milestone Based	Pool Access Fee, Storage & Logistics Fe	e Confirmed		
1 2 3 4 5		SH-000016-2017	Regular Regular	Regular Regular	Milestone Based Milestone Based	Pool Access Fee, Storage & Logistics Fe FPM, FPM - 01	Confirmed		
2 3 4		SH-000016-2017	Regular Regular Regular	Regular Regular Regular	Milestone Based Milestone Based Milestone Based	Pool Access Fee, Storage & Logistics Fe FPM, FPM - 01 FPM	Confirmed Confirmed Confirmed		
2 3 1 5		SH-000016-2017	Regular Regular Regular Regular	Regular Regular Regular Regular	Milestone Based Milestone Based Milestone Based Milestone Based	Pool Access Fee, Storage & Logistics Fe FPM, FPM - 01 FPM Pool Access Fee	Confirmed Confirmed Confirmed Confirmed		
2 3 1 5		SH-000016-2017	Regular Regular Regular Regular	Regular Regular Regular Regular	Milestone Based Milestone Based Milestone Based Milestone Based	Pool Access Fee, Storage & Logistics Fe FPM, FPM - 01 FPM Pool Access Fee	e Confirmed Confirmed Confirmed Confirmed Confirmed	oice Release - Summary Report	

ramco

WHAT'S NEW IN PART SALE MANAGEMENTST?

Ability to raise Customer Request for Regular Exchange

Reference: APRP-1061

Background

Currently the Customer Request framework has the provision to raise request for 'Advance Exchange'. There is a business requirement that the customer request needs to be raised for 'Regular Exchange' as well and in turn generate a customer order for 'Regular Exchange'.

Hence this enhancement brings the improvement in **Customer Request** to raise the new request for 'Regular Exchange'. Based on the Order Automation Set up and Rules a Customer Order with regular exchange option will be automatically set up on confirmation of the Customer Request.

Change Details

- <u>New 'Request for' option added in Customer Request:</u> New option 'Regular Exchange' is loaded in the 'Request For' combo on launch of the Customer Request screen. All the existing fields and sections that is, Part Info., Core Info. and Work Scope Info. will be applicable to Regular Exch. (Exhibit-1)
 - Note: Home Based Stock option will not be allowed to be set in case of Request for 'Regular Exchange'.
- 2. <u>New Parameters added under Set Sales Process Parameter screen:</u>

A new parameter as mentioned below is added in the **Set Sales Process Parameter** screen in the **Customer** component under the **Sales Setup** business process. (**Exhibit-2**)

Display parameters for: 'MRO Sales'

Parameter for: Customer Request

Process Parameter: Auto Generation of Customer Order on confirmation of Customer Request for 'Regular Exchange'

Permitted value: Specify '0' for Yes, '1' for 'No' and '2' for 'Yes, Based on Rules.

If the above parameter is set as:

- Yes: Then Customer Order will always be auto generated on confirmation of customer request.
- No: Then Customer Order will not be auto generated on confirmation of customer request.
- Yes, Based on Rules: Then Customer Order will be generated based on the automation rules setup.
- 3. <u>A new parameter as mentioned below is added in Set Sales Process Parameter screen in Customer</u> component under Sales Setup business process (Exhibit-2)

Display parameters for: 'MRO Sales'

Parameter for: Customer Order - Services

Process Parameter: Status of Customer Order auto-generated through Customer Request for 'Regular Exchange'

Permitted value: Specify '0' for 'Fresh', '1' for 'Confirmed' and '2' for 'Approved' If the above parameter is set as:

- Fresh: Then Customer Order auto generated will be set up in 'Fresh' status
- Confirmed: Then Customer Order auto generated will be set up in 'Confirmed' status 3. Approved: Then Customer Order auto generated will be set up in 'Approved' status
- <u>A new parameter mentioned below is added in Set Sales Process Parameter screen in Customer</u> component under Sales Setup business process (Exhibit – 2)

Display parameters for: 'MRO Sales' Parameter for: Customer Request Process Parameter: Acknowledgment against Customer Requests for "Regular Exchange" Permitted value: 'Specify "0" for "Required" and "1" for "Not Required" If the above parameter is set as:

- Required: The Acknowledgment Status against the customer order will be set as 'required' and an acknowledgment needs to be sent to the customer against the request.
- Not Required: The Acknowledgment Status against the customer order will be set as 'Not Required' and the acknowledgment against request is optional.
- 5. <u>New 'Request for' added in Order Automation rules for Cust. Requests and User Preference screen:</u>

New Option 'Regular Exchange' is loaded in 'Request For' combo on launch of the Maintain Order Automation rules for customer requests screen. (**Exhibit-3**)

This will enable the user to define the Automation Rules for Customer Requests for 'Regular Exchange'

New Option 'Regular Exchange' is loaded in 'Business Type' combo on launch of the User Preference screen. (**Exhibit-4**)

This enables the user to define the User Preference definitions for visibility of Customer Requests for 'Regular Exchange' in **Customer Order Management Hub**.

- Note: The J Query rules for Business Type 'Regular Exchange' combo will be same as the 'Adv. Exchange'.
- Note:
 - a) In case of customer requests for 'Regular Exchange', the 'Request for/ Type' & 'Request for' column in Request & Order Summary multiline will be displayed as 'Regular Exchange'.
 - b) On click of Customer Request # for 'Regular Exchange', the 'Request for' control in the request details section is displayed as 'Regular Exchange'.



c) On click of Customer Order for 'Regular Exchange', the 'Job Type' control in the order details section is displayed as 'Reg. Exchange with Repair'.

6. <u>Auto Generated CO through Request for 'Regular Exchange': (Exhibit-5)</u>

In the Customer Order Auto generated from Customer Request for 'Regular Exchange', 'Exchange Type' will be defaulted as 'Exchange with repair', 'Reason for Exch.' will be defaulted based on the set option defined under **Define Process Entity** screen, 'Initiated As' combo will be defaulted as 'Regular' and Part details will be fetched based on RFQ details.

The 'Service Type' is considered as 'Exchange' during contract evaluation in case of customer requests with Request for 'Regular Exchange'.

Exhibit 1:

Manage Customer Request screen in the Manage Sales RFQ business component

🛚 📕 Manage Customer Requ	est										RAMO	O OU-ramco role 🔻	x; t; +	? 🗔
Request #/ Rev. # RFQ-00148	6-2020	Q										🕂 RFQ		
Request #/ Rev. # RFQ-001486-2020 Document Status Confirmed	0		equest Type Orde Ack. Status Requ		T	Reques Req. Processing	t For Regu	lar Exchar Issed - Err	-	T	Request D Order Genera	ate & Time 07-28-	2020 03:28 PM	
Expected Reply Date Quotation Remarks	ent Info Additic	Need Date &	Time			quest for 'Re ge' has been	2			•	Cust	omer Ref #	Manage Address	R
Customer # 400007 rt Info Core Info Workscope Info (⊇ 2 2 ≪ \$ %		Name Customer	8	Å	Customer T	ype Existin		-	¶ % A		▼ Seard	h	Q
# Error Message	Part # 0	Part Description	Serial #	Mfr. Part :	Mfr. # Q	Mfr. Lot # D	Condition	Q	UO	Req. for A/			Home based Stoc	
	:35895_STR =		o criar a		1111 11 12			-	EA	101	e noge ye	in the state of the	nome based broc	
1	:35895_STR =							_	EA	101				
1	:35895_STR =							3	EA	6yjmb		Ē		
4			1	1										•
Save								New Par	t Reque	st		ctivate Win o to Settings to		

Exhibit 2:

Set Sales Process Parameters screen

* E	Set	Sales Process Parameters		RAMCO OU-ramco role 👻 🔾	€₽₽	🔶 ? 🗔 🖪
– Sele	ct Para	meter Details Display Parameters for MRO Sales	V			
- Proc		rameter List 1 - 8/101 ▶ ₩ 🕂 🗇 🛠 🌣 🕫 ͳ	New Parameters has been added		 regular 	Q
#	E	Parameter for	Process Parameter	Permitted Values	Value	Val
1	E	Customer Request	Acknowledgment against Customer Requests for "Regular Exchange"	Specify "0" for "Required" and "1" for "Not Required"	0	Req
2		Customer Request	Auto Generation of Customer Order on confirmation of Customer Request for "Regular Exchange"	Specify "0" for "Yes", "1" for "No" and "2" for "Yes, Based on Rules"	2	Yes
3		Customer Order – Services	Allow Modification of Part # & Qty in Customer Order	Specify "0" for "Allowed" and "1" for "Not allowed"	1	Not
4	E	Customer Order – Services	Allow manual update of 'Warranty Resolution' in CO & SWO?	Specify "0" for "Yes" and "1" for "No"	0	Yes
5		Customer Order – Services	Status of Customer Order auto-generated through Customer Request for "Regular Exchange"	Specify "0" for "Fresh", "1" for "Confirmed" and "2" for "Approved"		
6		Customer Service Order Billing	Process Usage Based bills within	with permitted values between '0' to '30'	0	
7		Service Sale Billing	Modification of A/C Reg. # in Invoice Release.	Specify "0" for "Allowed" and "1" for "Not allowed".	0	
8		Service Sale Billing	Date identification for Service Invoice generation	Specify "0" for Shipment Date and "1" for System Date	0	
						۱.
- Rec	ord Stat	tictice	Set Process Parameters			

Exhibit 3:

Maintain Order Automation rules for customer requests screen

*	🔳 Ma	intain Order Au	Itomation rules for Customer R	equests				RAMCO) OU-ramco role 👻 🔀 🗲	? 🗔 🗷
Ľ	Rules Lules List -	For Regular Exchange For Inclusions Auto Generated Orders	C Exclusions	A new Request fo Regular exchang has been added						
	4	1 - 4/4 🕨 🕨	+-0%0%77			ㅅ 🖿 🖻 🗹 🗐 × · 🗙 🖡	H III 🚹 %	All	 Search 	Q
#		Rule ID	Rule Description	Define R	ules	Defined Rules Description	Status		Remarks	
1		100	RD for Exchange Order - 123		/	Priority = 'A1' AND ServiceSaleType = 'FP' AND Partno = ':35895'	Fresh	~		
2	V	101	RD for Xchange Order - 456	4	1	Priority = 'A1' AND ServiceSaleType = 'T & M'	Fresh	~		
3		102	RD for Xchange Order - 456		1	Priority = 'A1' AND ServiceSaleType = 'T & M'	Fresh	~		
4		103	RD for Xchange Order - 456		1	Priority = 'A1' AND ServiceSaleType = 'T & M'	Fresh	~		
5					/			~		
•	lecord Sta	tistics				Save			tinate Windows	
	ICCOID SLd	usuus							ctivate Windows to Settings to activate Wind	dows.

Exhibit 4:

Customer Order management - User Preference Manage Screen Defaults and Preference activity in User

Preference

	Role ramcore	ole 🔤	User Name DMUSER		Preference For Customer Order Hub	Get
reference	es Business Type Regular	Exchange 💌	Document Type Customer Request	•		
OR	Not True		A new Business Type 'Regular exchange' has been added			Đ
Part 6	Group 🝷	begins with		â		
Priorit	ty 🗸	begins with	AOG 🗸	Ē		
Part C	Category 👻	begins with	▼ AR12240 ▼	â		
Part #	-	begins with	- :35895	Ē		
Custo	omer #	begins with	- 400007	Ē		

Exhibit 5 :

Customer Service Order - Manage Customer Order screen

ramco

ramco

\star 🔲 Manage Custom	ner Order													RAMCO	OU-ramco role	- x;	80	(🗄	? [
🔵 Create Order 🛛 🔘 Modify	Order			Ref.	Type / Doc. #	Direct Ord	er '			Orde	r # / Rev. # CO-0	008940-202	0 Q 0			Go			
Order Details Work Executio	n Info. TAT	& Commercials	Shipping Ter	ms Billin	ng & Warranty	y Terms T	axes / Charge	s / Discou	unt										
Order	Applicability	Parts		•			Shop	Job Type	Engine		•			Part Applicability					
Cor	ntrolling Unit			Q				Station	YUL		Q			Remarks					
Exchange Info.																			
		Exchange with Rep	pair 🔹	·			Reason for	Exch. A	dv.Exchange Re	quest	•			Initiated a	5 Regular		•		1
Exch. Part Id	entification	Any Part		•			Basis of Pe	egging P	art # Match		•			Top Assy, Exch.Order #	ŧ				
Customer Info.																			
	er # / Name				eate		Custor	ner Name	13840CUST			~		Cust. Contact Person					
Cus	stomer PO #	CustRepair					Custome	r PO Date	07-31-2020					Cust. Service Rep.			Q		
	Operator #			•				RFQ #	RFQ-001542-2	2020			$ \ge $	Request Date & Time	07-31-2020 10	:39 AM			
	Pre-Quote #			Viei	w								Regul	ar Exchange	details				
Object Details	raft Reg. #			Aircraft	A 1.11 * - C-			Aircraft M			Q			e defaulted					
Airc Expected Ri			<u>ر</u> ۱		Addi Info			Aircraft M	ISIN		Q			Info' section			•		
				8											n				
	» +-	0 % 🛊 🖄	▼ X							14) ×: 🕻	0 1 1	ILL IN 20 ALL		Search		Q	
# 🗉 Part # 🖌 🕅	lfr. Pa Mfr	#\$ Part Des	cription Sto	ck Status	Part Serial	Part MSN,	Mfr. Lot #	Q	Expected Receip		Rmv. from A/c Reg	, Rmv.	from A/c MSN,	Mfr. Part # (Rmv.) 🔎	Mfr. # (Rmv	Part) 🔎	Rmv. from	n Seria	
1 🔲 000:99999 00	0 9999	99 ELECTRIC	AL TEST	~				1			YJMD	666							
2 🔳				~						ΞĒ									
																		•	
Evaluate Contract																			
Contract Details															Activate	Wind	lows		
	t # / Rev. #	HM-CDN-Dropin-2	2012	Ø /1			Obj.	Eff. Code	All		•		9	Sale Type / Pricing Basis				Windo	NS
R	ev. Indicator																	**IIIGO	11.5.

Ability to manage Order confirmation acknowledgements for Part Sale

Order

Reference: APRP-730

Background

When a Part Sale Request is received from a Customer, Request is generally acknowledged and a confirmation is to sent to customer. Similarly, when a Part Sale Order is created and confirmed, an acknowledgment is be sent to the Customer so that the customer has an idea about the status of the order.

Provision needs to be given in the **Manage Part Sale Order** screen to provide such acknowledgment to PSO's. The user will be able to acknowledge the PSO which in turn sends an auto mail to the customer contact person.

Change Details

- A new button 'Acknowledge' is added in the **Manage Part Sale Order** screen under the **Part Sale Order** business component, visible post the confirmation of a PSO. (Exhibit 1)
- A new status 'Acknowledgement Status' is added in the **Manage Part Sale Order** screen which will display the acknowledgement status of the Part Sale Order. (Exhibit 2)
 - <u>Pending</u>: If the Parameter for Acknowledgment is set as 'Required' till the Acknowledgement is done.
 - ✓ <u>Acknowledged</u>: If the Acknowledgement is done against the Part Sale Order.
 - ✓ Not Required: If the Parameter for Acknowledgment is set as 'Not Required'.
- New Controls 'Ack. Date & time' and 'Ack. Remarks' are added to capture the Ack. Date and Remarks. (Exhibit 1)
- On Acknowledgement of PSO, an auto-email will be triggered and acknowledgement details will be sent to Email Id of the respective contact person of the customer.

Exhibit 1:

Manage Part Sale Order screen in the Part Sale Order business component

★ 目	Mar	nage Part	Sale Order							RAMCO O
Part Inf	o TCE)								
🔘 Sumr	mary Vie	w OD	etail View	Pricing B	Basis Pricelist	-	Part Pricelist #	COSTPLUS-25	Q	
•		1 - 1/1	• • + - 🗆 %	o 🖗 T 🗶			ㅅ 🖿 🖻 🖾	🛛 🖹 💌 🗳		1/4 All
#		Line #	Error Message		Pricing Source	Stock?	Pricing Aid	Part #	Q	Part Description
1		1			Pricelist	No	Stock Not Avl. Prev. Q	:35895	≣₹	EXPRESS U.S.RATE SH E
2									Ēv	
		Compute P	rice	Get Storage	/ Pricing Ref.		Save 'Acknowle added in t	edge' Button he screen		New
	Ack. Da		08-24-2020 10:15 AI	Ack	. Remarks Part stock Avai		Acknowledge			
Reco	rd Stati		Edit Terms and Conditions		'Ack. Remarks' & '		oload Documents			View Associate
			Cre	ated by DMUSER	Time' captured in	the screen			Created Da	te 08-24-2020
			Mod	fied by DMUSER					Modified Da	te 08-24-2020

Exhibit 2:

Manage Part Sale Order screen in the Part Sale Order business component

🖈 🗏 Manage Part Sale Order				RAMCO OU-ramco role 🔻 💢 🗲 ? 🗔
Order #				+ Qt. Based Sale Order + Dir. Sale Order
Order # P000342S 0 💌	Quote #	Q	Quote Valid till	Order Type Direct
Document Status Confirmed	Planning Status		Shipping Status	Ack. Status Acknowledged
Invoicing Status				
Order Date 08-24-2020	Category 123		icing Ref. Date Invoice Date	▼ Part Sale Type PartSale ▼
Customer PO # 012	Customer PO Date 08-24-2020	🛗 Sale	Order Remarks	
Customer Detail Contact Info Shipment Info Additional Info				Manage Address
Customer # 400007 😇 🔎	Customer Name Customer 8		Currency CAD	
Basic Value Tax	Charges	Discount	Net Value	Acknowledgment status added in the Header section.
Can\$ 115.00	Can\$ 0.00	Can\$ 0.00	Can\$ 0.00	Can\$ 115
Part Info TCD				
Summary View 🔿 Detail View Pricin	Basis Pricelist	▼ Part Priceli	st # COSTPLUS-25	٥

ramco

Ability to automatically generate Part Sale Orders based on Agreed Customer Part Sale List

Reference: APRP-605

Background

When a Customer Request with Request Type: 'Order' for 'Sale' is received from a Customer, the Request needs to be manually processed a Part Sale Order needs to be set up manually with the reference of the Request #. Hence the requirement is to have a provision to automatically set up a Part Sale Order against Customer Request received with Request Type: Order and Request for: Sale.

Customer Request has been enhanced and an automation process will be run based on option setting to generate Part Sale Order on confirmation of request.

Change Details

- 1. New controls are added in the Manage Part Sale Order screen under the Part Sale Order business component. (Exhibit 1&2).
 - **RFQ #:** To display the 'Request #' based on which the Part Sale Order is auto generated.
 - Part Sale List #: To identify the Part Sale List # based on which the Part Sale order is generated. Defaulted with Part Sale List # evaluated and identified for the customer-part combination during auto generation of Part Sale Order from Customer request. (based on option setting)
 - **Billable?:** To identify the 'Billability' of the part sale order. Defaulted based on the set option at 'Part Sale Type' on auto generation of Part Sale Order from customer request.
 - **Req. for A/C Reg #**: To identify the A/C Reg. # for which the part is being requested. Defaulted with Req. for A/C Reg. # from customer request during auto generation of Part Sale Order.
 - SLA Category, Request Purpose, Request Source New Combo Control added in the 'Additional Info.' Tab to identify the request attributes. Loaded with the values defined for the respective category types under Maintain Category Codes maser. Defaulted based on the values selected in the Customer Request during auto generation of part sale order.
- 2. A new parameter is added in Sales Setup > Customer > Set Sales Process Parameter' screen to specify whether evaluation of Part Sale List # is required or not during auto generation of the PSO from customer request (Exihibit-3).

Display Parameters for:Part Sale OrderParameter for: Part Sale OrderProcess Parameter: Evaluation of Agreed Customer Part Sale List for Part Sale Ordergeneration

Permitted Value : '0' for Not Required, '1' for Required

If the above parameter is set as:

- I. <u>Not Required</u>: Part Sale List# will not be evaluated during Part Sale Order generated and default part sale type for PSO generation will be identified based on the set option added at customer master level.
- II. <u>Required</u>: Part Sale List # will be evaluated and Part Sale Type will be defaulted based on the PSL # during Part Sale Order generated.
- A new parameter is added in the Sales Setup > Customer > Manage Additional Options screen to specify the default 'Part Sale Type' to be considered for auto PSO generation if the Part Sale List # is set as 'Not Required'(Exihibit-4).

Category : Part Sales Process Parameter: Default Part Sale type for Auto Sale Order Generation. Permitted Values : Enter a valid Part Sale type with Program type as 'Regular Sales'.

- 4. New Parameters have been added in the Maintenance Setup > Common Master >Set Process Entities to define the default values to be considered for stock status, Sourcing option and Condition during auto generation of PSO from customer request (Exihibit-5).
 - I. Entity Type: Part Sale Type
 - a. Process Parameter : Default Stock status for automated Part sale Orders
 - b. Permitted Values : Enter a valid stock status defined under Logistics Common Master
 - II. Entity Type: Part Sale Type
 - a. Process Parameter: Default Sourcing option for automated Part sale Orders
 - b. Permitted Values : Select '0' for 'Inventory', '1' for Regular Procurement and '2' for Drop ship procurement
 - III. Entity Type: Part Sale Type
 - a. Process Parameter: Default Part Condition for Serial/Lot controlled parts in automated Part sale Orders
 - b. Permitted Values : Select '0' for 'New', '1' for 'Overhauled', '2' for 'Serviceable' and '3' for 'Unserviceable
 - Note:
 - Based on the set option 'Auto Generation of Part Sale Order on Confirmation of Customer Requests' at set process parameters level, the Customer Request will be processed and Part Sale Order will be auto generated always or based on certain business conditions or will not be automated.
 - I. A Customer Request in 'Confirmed' status would be validated for data correctness before processing to an order. Only those requests which are eligible for automation (based on rules) will be processed in to a Part Sale Order.
 - II. Once the data is validated, Part Sale List # will be evaluated set option for valuation is set as 'Required'. If the Set option is set as 'Not Required', then

the default part sale type from customer master will be considered for automation

III. If the Automation is set as 'based on Rules', then the automation rules for 'Request for: Sales will be evaluated and only those requests satisfying(inclusion definitions) or not satisfying (exclusion definitions) will be processed into order.

If the Automation is set as 'Yes', the automation rules will not be considered.

- The set option 'Status of Auto-generated Part Sale order through Customer Request' under set sales process parameters will be considered to identify the status in which the 'Part Sale Order' should be set up if the 'Auto Generation of Part Sale Order on confirmation of Customer Request' is set as 'Yes.'
- Based on the value selected against the status parameter, automated Part Sale Order generated will be generated in 'Fresh/Confirmed/Processed' Status.
- Note: However the Part Sale Order automatically generated from Requests will be in 'Draft' status irrespective of the above parameter, if all the mandatory details required for Order set up are not available.
- 5. Processing logic for Automation of Customer Request to Part Sale Orders:
 - When a request document has a single part (evaluation with a single PSL), a single Part Sale Order will be will be generated against the customer request.
 - When a Request document has Different Part #(s) with Single/Multiple qty and both the lines evaluated against same Part Sale List, the one Part Sale Order will be generated for the request.
 - When a Request document has Different Part #(s) with Single/Multiple qty evaluated with different Part Sale Type, then one Part Sale Order will be generated for each 'Part Sale Type'.
 - When a Request document has multiple Part# in multiple lines and if any part# doesn't have a PSL, then order will not be generated and the request will be updated as error.
 - When a Request Document has multiple Part(s)# and if any part has multiple PSL, then Order will not be generate and request will be updated as error.
- 6. Impact in CO HUB for Automation of Customer Request to Part Sale Order:
 - All the Requests with Request for 'Sales' are shown in respective tiles depending on the document/Req. processing status of the Request.
 - When the automation is set as 'No', the requests will be fetched in the 'Customer Order

Management Hub' under the tile 'Unprocessed Requests'. On click of 'Process Request' button in Summary or Detail Section the request will be processed to PSO.

Exhibit 1:

Manage Part Sale Order screen in the Part Sale Order business component

Manage Part S	Sale Order				New controls a Manage Part S			→ X ² Q ² Q ² C + Dir. Sale Order Dir. Sale Order Dir. Sale Order
Order Type	P000166S 0 DIRECT Acknowledged	Quote # Document Status Appro Invoicing Status	ر ved		Order screen'.		RFQ # RI Shipping Status Re	FQ-000583-2020 eleased For Shipping
Order Date Customer PO # Sale Order Remarks	16/Sep/2020 IIII 007	Category Customer PO Date 16/Sep/202	0		g Ref. Date Invoice Date Sale List #	▼	Part Sale Type Pa Billable ? No	
Customer #	fo Shipment Info Additional Info 400007	Customer Name Customer 8 Charges Can\$ 0.00	Can\$ 0.(Discount	Currency CAD Net Va	Manage Addre		•
t Info TCD Summary View O Det		Basis Pricelist	canș u.u	Part Pricelist #		Can\$ 1000.0	U	
≪ 1 - 1/1 ▶	» + - 🗆 🗞 🌣 🏹 🏹			۵ 🖬 🕹		K ₩ 111 14 % All	▼ Sea	rch Q
t 🗖 Line #	Error Message	Pricing Source	Stock? Pri	ing Aid	Req. Part #	Req. Part desc.	Part #	, Q
1		Pricelist	Yes Sto	k Avl. Prev. Quote	000:99999	ELECTRICAL TEST HARM	NESS 000:99999	E E

Exhibit 2:

Manage Part Sale Order screen in the Part Sale Order business component

* 🗏 Manage Part Sale Order					RAI	MCO OU-Ramco Rol	e 🔻 🕮 🛱 🗲	? 🐻 [
Order #					🕂 Qt	t. Based Sale Orde	er 🕂 Dir. Sale Order	
Order # P000166S 0 ▼ Order Type DIRECT Ack. Status Acknowledged	Quote # Document Status Approve Invoicing Status	م ed	Quote Valid ti Planning Statu			RFQ # Shipping Status	RFQ-000583-2020 Released For Shipping	
Order Date 16/Sep/2020 (10) Customer PO # 007 Sale Order Remarks 1007	Category Customer PO Date 16/Sep/2020	-	Pricing Ref. Date Part Sale List #	Invoice Date		Part Sale Type Billable ?		•
Customer Detail Contact Info Shipment Info Additional Info					Manage Address		₹	
Priority QA1 v Request Purpose QA1 v User Defined-1 v	User Status C1 Request Source QA4 User Defined-2	* *	Cust. Service Rep. Warranty Ref.		Q	SLA Category Wa <mark>r</mark> ranty Remarks	Order	•
Basic Value Tax Can\$ 1000.00	Can\$ 0.00	Can\$ 0.00	Discount Can\$ 0	Net Value	Can\$ 1000.00			
Part Info TCD New controls added Summary View Detail Manage Part Sale (*) 4 1 - 1/1 W Order screen	d in celist		Part Pricelist # PPLPSO	ر • × • • •		▼ 5	Search Q	
# E Line # Error Message	Pricing Source	Stock? Pricing	Aid Req. Part #		rt desc.	Part #	٩	1

Exhibit 3:

Set Sales Process Parameter screen in the Customer business component

^ →	Sales (Setup > Customer > Set Sales Process	s Parameters					
*	Se	et Sales Process Parameters				RAMCO OU-Ramco Role 👻 💢 🔒	i 🔶 🛱	2 💿 🖪
= Sel	ect Para	mameter Details Display Parameters for Part Sale Order	V					
- Pro		arameter List 9 - 15/15	Y Y Process Parameter	▶ Ⅲ ₿ ௺ K ₿ x,		Existing Parameters have been renamed.	Value	Q
9 10		Part Sale Order Part Sale Order	Exchange Rate Type for Sales Auto Generation of Part Sale Order on confirmation of Customer Request		Specify a valid	Exchang defined in Exchange Rate	KM79 0	
11 12	8	Part Sale Order Part Sale Order	Status of Part Sale Order auto-generated through Customer Request Inventory Pool applicable for Customer Sale Request fulfilment	Status of Part Sale Order auto-generated through Customer Request Inventory Pool applicable for Customer Sale Request fulfilment				
13 14 15		Part Sale Order Part Sale Order Part Sale Order	Requesting Warehouse identification basis for Sale Requests Allow Sale of Capital Parts through Part Sale Order Evaluation of Agreed Customer Part sale list for Part Sale Order generation		Enter "0" for "Yes", "1" for "No" Specify '0' for 'Yes' and '1' for 'No' Enter "0" for "Not Required" and "1" for "Required"			
16		4			New F	Parameter added.		•
- Rec	ord Sta	atistics	Set Process Paramete	'S				
	Created by Created Date Last Modified by DMUSER Last Modified Date 16/Sep/2020							

Exhibit 4:

Manage Additional options screen in the Customer business component

<mark>∕</mark> ∧ Sa	ales Se	tup > Customer > Manage Additional C	Options					
*	Mar	age Additional Options		44 4 6 7 8 9	10 🕨	🧰 RAMCO OU-ramco role 👻 😂	₽ € ? 🗔	ĸ
- Custo	mer In	fo						-
		Customer # RSAF	Customer Name ROYAL SAUDI AIR FORCE	Customer Category				
🗕 Defini	ition Fo							-
			•					
- Paran	neter D							-
•	_	1 - 2/2 🕨 🥐 🖵 🕅 🗡 🏋 🏋				I 👭 ⅔ All 💌 Sea		
#		Category	Parameter	Permitted Values	Value	Error Message	Created by	
1		Part Sales	Inventory Pool applicable for Customer Sale Request fulfilment	Enter 0 for Yes, 1 for No			DMUSER	
2		Part Sales	Default Part Sale type for Auto Sale Order Generation	Enter a valid Part Sale type with Program type				
3	8			New Paramete	ers adc	ded		
		•	Save				•	
			5070					

Exhibit 5:

Set Process Parameter screen in the Common Master Business component

ramco

^ E	Set Process Parameters		4 1 2 3 ▶ ₩ RAMCO	OU-Ramco Role 🔻 💢 🔒 📮	1 🗲 ? 🗔
Enti	ty Details				
	Entity Type Part Sale Type	•	Entity PartSale	•	
	Record Status Active	Proce	ss Parameters Defined? Yes		
Pro	cess Parameter List				
				▼ Search	Q
#	Process Parameter	Permitted Values	Value	Status	Error Messad
1	Numbering Type for the Material Request	Enter a valid Document Numbering Type defined in Document Numbering class	MR	Defined	2.000 0.0000
2	Order Value Billable?	Enter "0" for 'No', "1" for 'Yes'.	0	Defined	
3	Part Sale Program Type	Enter "0" for "Regular Sales", "1" for "Consignment Sales'	0	Defined	
4	Numbering Type for the Sale Order Issue	Enter a valid Document Numbering Type defined in Document Numbering class	GI	Defined	
5	Numbering Type for the Sale Order based Purchase Request	Enter a valid Document Numbering Type defined in Document Numbering class	PR	Defined	
6	Numbering Type for the Sale Order based Purchase Order	Enter a valid Document Numbering Type defined in Document Numbering class	POA	Defined	
7	Auto Material Issue option	Enter "0" for 'Doc Level' , "1" for 'Line Level'	0	Defined	
8	Status of automatically generated Purchase Order?	Enter "0" for "Draft", "1" for "Authorized"	1	Defined	
9	Postpone MR Generation until Lead date	Enter "0" for 'No', "1" for 'Yes'.	0	Defined	
10	Default lead time(in days) for MR generation	Enter the valid No. of Days		Not Defined	
11	Acknowledgement Required on confirmation of Part Sale Order	Enter "0" for 'No' , "1" for 'Yes'	1	Defined	
12	Default Stock status for automated Part sale Orders	Enter a valid stock status defined under Logistics Common Master	Accepted	Defined	
13	Default Part Condition for Serial/Lot controlled parts in automated Part sale Orders	Select "0" for "New", "1" for "Overhauled", "2" for "Serviceable" and "3" for	2	Defined	
	Default Sourcing option for automated Part sale Orders	Select "0" for Inventory, "1" for Regular Procurement and "2" for Dropship	0	Defined	

Ability to record and confirm request amendments & auto process the changes to the downstream documents

Reference: APRP-1040

Background

This enhancement brings improvements in **Customer Request** where in Customer Requests for a part on Sale/Exchange/Repair/Rent etc.

In certain cases, the details provided in the request may be entered incorrectly or customer may also wish to modify specific details in the Request which may include:

- 1. Source of demand viz., Aircraft Reg.#, Request Purpose, Request source document, etc.
- 2. Change the actual demand viz., change in Need Date & Time, Priority.
- 3. Change to instructions like Ship to location, delivery remarks etc.

There may also be scenarios where Customers would cancel their requests too if they no longer need the part. Currently once the Customer Request is confirmed, there is no provision to update/modify the details or short close the request.

Hence the Requirement is to have a provision to revise the Customer Request to update certain details even after confirmation or Short close the Request if the Customer doesn't want to proceed with the order. Request document has been given a provision to track changes through a revision reference.

Change Details

Customer Request – Amendments:

- A new combo control is added to select/display the 'Revision#' of the Request under the Part Sale Management business process > Manage Sales RFQ component >Manage Customer Request activity (Exhibit 1).
 - Note: The 'Rev #' combo will be loaded with all the revision(s)# available for that specific Request # and is defaulted with the latest Revision of the customer request selected.
 - Note: Only the following data is allowed to be modified after confirmation of Requests.
 - Req. for A/C Reg#
 - Request Purpose
 - Request Source
 - Need Date & Time
 - Priority
 - Ship to Address ID
 - Contact Address ID
 - ✓ Currently Revision of Requests will be allowed to be generated only against Request for 'Advance Exchange' with Request Type 'Bid'.
 - ✓ Requests in 'Cancelled/Rejected' status will not be allowed to be revised.

• A new control **'Rev #**' has been added in the multiline of the **Help on Customer Request** screen. All the valid Request(s)# created along with all the Revision(s) available will be retrieved in the multiline of the **Help on Customer Request** screen. (**Exhibit-2**).

Note: On confirmation of New Revision of the Customer Request:

- If the Customer Order is already generated against the request, then all the modified details of the request will be updated in the Customer Order and the status of the CO is retained as it was before.
- If the Customer Order is not yet generated or the Request is not yet processed, then the latest revision of the request of the request will be taken forward for processing.
- ✓ The details will be directly updated into the Customer Order and no validation will be done with respect to the contract validity based on modified details (i.e.) No Contract Re-assignment will be done automatically).
- If the Customer Order is already in 'Draft/Fresh' status, the modified details will be updated in the same revision. If the Customer Order is in 'Confirmed/Approved/Processed' status, then a new revision will be created, the details will be updated and that revision will be made 'Confirmed/Approved/Processed' as applicable.
- ✓ Furthermore, the modified details will be updated to the Exchange Order, Material Request, General Issue as applicable if the documents are already created.

Customer Request - Short Closure:

 A new button 'Short Close' is added under the Part Sale Management business process > Manage Sales RFQ component > Manage Customer Request activity. (Exhibit 1).

Note:On 'Short Close' of Customer Request in 'Confirmed' status.

- If the general Issue is already created, then
 - The Customer Request, Customer Order, Exchange Order, Material Request will be 'Short Closed' and
 - the 'General Issue' will be 'Cancelled'
- If only MR is created, then
 - The Customer Request, Customer Order, Exchange Order will be 'Short Closed' and the Material Request will be 'Cancelled (if Fresh)/Short Closed (if Confirmed)'
- If only EXO is created
 - The Customer Request, Customer and Exchange Order will be 'Short Closed'
- If only CO is created
 - The Customer Request will be 'Short Closed' and the Customer Order will be 'Cancelled (if Draft/Fresh)/Short Closed (if Confirmed /Approved /Processed)'.

 Revision/Short Cosure of the Request will be allowed only untill threshold event is not reached. In case of Request for 'Advance Exchange', the threshold event is – confirmation of Issue for at least one part against the exchange MR generated for the EXO raised against the Request.

Exhibit 1:

Manage Customer Request screen in the Manage Sales RFQ business component

* 🗏 Manage Customer Request					HAECO OU-HAECO ROLE 🔻 💢 🛱 🗲 ? 🗔
Request # CRQ20001031 (CRQ20001031)					+ RFQ
Request #/ Rev. # CRQ20001031 0 💌 Document Status Confirmed	Request Type Order Ack. Status Required	▼	Request For Advance Req. Processing Status Proces	-	Request Date & Time 24/Sep/2020 16:38:40
Expected Reply Date 2010 Control Contr	Need Date & Time 24/Sep/2020 16:40:29	9	Priority NRM	¥	Customer Ref # QA-ERF-TIME
	new combo 'Rev. #' has been added		Customer Type Existing		Manage Address 🛛 🕅
			,	C 🛛 ∓ 🖶 🗉 🕂 % All	▼ Search Q
# Line Error Message Part # O Part Description	Serial # Mfr. Part # Mfr. #	# ,0 Mfr. Lot # ,0	Condition Q UO Req	q. for A/c Reg# 🔎 Need Date & Ti	Home based Stock Allow Alt. Part ? Cer
1 1 007LG049G CONTROL INTERFACE	E U 007LG049G K8081		✓ 1.00 EA B-HSI	5D 24/Sep/2	v YES v
2 I IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII			N	A new button 'S Close' has been	added vrt Inquiry
Acknowledged Date Ack./Rej. Rema	rks	Acknowledge Upload Documents		Reject View A	Short Close ssociated Doc Attachments
Record Statistics		000000000			

Exhibit 2 :

Help on Requests screen in the Manage Sales RFQ business component

		ch Crite	Request	=			Search On Reg	uest For 🔻	•	Request Status		-
			Customer #/Nan				Part Info Part		•	Request Date & Time: From/To	10	
	Sear	ch Res				w column ' been added	Rev. #′	ch				100
	4		1 - 12/1053 🕨	7 7				노트로		₩ 🕕 👭 % All	▼ Search	Q
11	#		Request #	Rev. #	Request Date & Time	Description	Status	Request For	Customer #	Customer Name	Customer Type	Custom
t	1		CRQ2000001	0	24/Jan/2020 00:00:00		Rejected	Advance exchange	CPA	CATHAY PACIFIC AIRWAYS	Existing	CATHAY
	2		CRQ20000002	0	24/Jan/2020 00:00:00		Rejected	Advance exchange	PAL	PHILIPPINE AIRLINES, INC	Existing	
	3		CRQ2000003	0	24/Jan/2020 00:00:00		Rejected	Advance exchange	CPA	CATHAY PACIFIC AIRWAYS	Existing	Cathay
	4		CRQ20000004	0	24/Jan/2020 00:00:00		Rejected	Advance exchange	CPA	CATHAY PACIFIC AIRWAYS	Existing	QASDES
	5		CRQ20000005	0	24/Jan/2020 00:00:00		Rejected	Advance exchange	CPA	CATHAY PACIFIC AIRWAYS	Existing	Cathay
	6		CRQ2000006	0	24/Jan/2020 00:00:00		Rejected	Advance exchange	CPA	CATHAY PACIFIC AIRWAYS	Existing	
	7	8	CRQ20000007	0	24/Jan/2020 00:00:00		Rejected	Advance exchange	CPA	CATHAY PACIFIC AIRWAYS	Existing	
	8		CRQ2000008	0	24/Jan/2020 00:00:00		Rejected	Advance exchange	CPA	CATHAY PACIFIC AIRWAYS	Existing	Cathay
	9		CRQ2000009	0	24/Jan/2020 00:00:00		Rejected	Advance exchange	CPA	CATHAY PACIFIC AIRWAYS	Existing	Cathay
	10		CRQ20000010	0	24/Jan/2020 00:00:00		Confirmed	Advance exchange	CPA	CATHAY PACIFIC AIRWAYS	Existing	Cathay
	11		CRQ20000011	0	24/Jan/2020 00:00:00		Confirmed	Advance exchange	CPA	CATHAY PACIFIC AIRWAYS	Existing	
	12		CRQ20000012	0	24/Jan/2020 00:00:00		Rejected	Advance exchange	CPA	CATHAY PACIFIC AIRWAYS	Existing	

WHAT'S NEW IN PAYABLES MANAGEMENT?

Ability to derive applicable INCO term for Delivery Charges Invoices

Reference: APRP-314

Background

Currently, there is an INCO Term Master screen where the responsibility and the billability of the charges incurred during a shipping transaction is defined. The charges incurred in the process will usually be bared either by the receiver or sender. All the charges incurred during delivery of a shipment will be recorded through a Delivery Charges (DC) Invoice which will in turn be billed back to the customer or considered as expense based on the INCO master.

Hence in DC Invoice generated with reference to a customer order, a provision has been made to derive the applicable INCO terms and its billability. Based on the billability, if the delivery charges need to be billed to the customer, then a journal voucher will be generated for the cost incurred and will be added to the Invoice as additional charges as per the agreement made between the two parties.

Change Details

In **Manage Allocation of Charges**, against a DC Invoice with a CO reference, the applicable INCO Term and the billability will be derived based on the INCO Terms (Customer/Contract, Shipping Address will be considered as key for deriving INCO Term).

On confirmation of allocation, a journal voucher will be generated for the delivery charges. (Exihibit-1)

Exhibit 1:

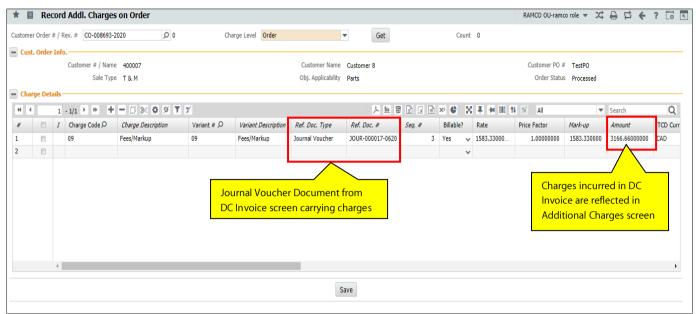
Manage Allocation of Charges screen under the Supplier Order Based Invoice business component

*		Mar	hage Allocation of	f Charges						1 > >>	RAMCO OU-ramco	o role 🔻	≭ 🖯	₽ 4	? 🗔
Doc.	Infor	matio	n												
				Delivery Charge Allocat Supplier Delivery Charg			ALLOC-000023-202	נ			Allocation Status Currency		d		
			Finance Book		-	Supplier # / Name	00000	TEXTRON			Doc. Amount	5000.00			
Alloc	ation	Infor	mation												
*	4		1 - 5/5 > >> -	- 🗆 🛪 🌣 🗡 T	7		Å		x 🗈 × C 🗙 I	₩ 11 %	All		 Search 		Q
#			Allocation Doc. Type		Allocation Doc. #	Allocation Doc.	Date		INCO Term	Sys. Billable?		Billable?		Ship. Re	f. Doc. Typ
1			Journal Voucher - Reg	ılar	JOUR-000017-0620	07-22-2020		Ē	CFR	No		No	~	Advance	Shipping N
2			Journal Voucher - Reg	ılar	JOUR-000017-0620	07-22-2020		100 110	CFR	Yes		Yes	~	Advance	Shipping N
3						07-22-2020							~	Advance	Shipping N
4					\	07-22-2020							~	Advance	Shipping N
5				Journal Vo	oucher Document creat	ed for ⁰				·			~	Advance	Shipping N
6		۵		a DC Invoi	ce to carry thee charge	es to			INCO terms de				~		
				Invoice	, , , , ,				screen along	with the b	oillability				
									definition.						

The Journal Voucher created will be coming up in the **Manage Addl. Charges on Order** against the CO along with the billability. (Exihibit-2)

Exhibit 2:

Record Addl. Charges on Order screen in the Customer Service Order business component



This Journal Voucher will be billed to the customer as an additional charge and it will be available in the 'Addl.

Charges' tab in the Manage Invoice Release screen (Exhibit 3)

Exhibit 3:

Manage Invoice Release screen in the Service Sale Billing business component

삼 > Service Sales Management	> Service Sale Billing > Manage I	nvoice Release	•			
🖈 🔋 Manage Invoice Rele	ease		*	< 81 82 83 84 85 > >>	RAMCO OU-ramco role 👻 💢 🖨 🚦	🗅 🗲 🖽 ? 🗔
Inv. Rel. #/Rev. # CO-008693-2 Customer # 400007 Bill To Customer 400007	Sale Type	Release Status Fresh / Pricing Basis T & M/TM p To Customer 400007 V Bi	Pend. Rel.	rder # CO-008693-2020 Exists? No	Inv. Rel. Readiness Not Read	y To Bill
Billing Summary Basic Value 0.000000 Exchange Rate 1.00000		er Level TCDs 3166.66000000 (Base Curr.) 3166.66000000	Total Va	lue 3166.66000000	Currency CAD	
 Exe. Doc. Info. CO-008693-2020 	Reg. Billing Info. Actuals Info. Current Ref. Details Cust. Order # CC Charges Summary		es CO Prepayment Info. Direct R Exe. Doc. Type SWO	el. Info. NTE Price & Exceedance	Addl. Charges CO T/C/D CO Maint. Exe. Doc. # CS0000306-2019	
	SPL # / Rev. #	Search Filters	Billable Task Chrgs.		Billable CO Chrgs. 3166.66000000	
	Get Latest Info. Count 0	View Option Billing I	nfo 💌	Search by	▼	Search
		+ - □ % ✿ % ▼ %		x [↓] C X I → III t↓ % Price Factor Value (CO Curr.)	All Search Mark-up Final Price	Q Svs. Billable?
	1 Priced Order		00017-0620 1583.33000000 in 'Addl. Charges' tab	1.00000000 1583.33000000	1583.33000000 3166.66	Yes
		which is c	arried from Record rges screen.			

In the Maintain Expense Liability Rules For INCO terms and Maintain Default Rules For INCO Terms screen, the Cost Element combo has been renamed as 'Source Document', 'Cost Head' combo has been renamed as 'Cost Entity' and 'TCD Code' column has been hidden in the screen. The 'Source Document' combo will now load only 'DC Invoice' (Exhibit 4 & 5).

Exhibit 4:

Maintain Expense Liability Rules for INCO Terms screen in the Logistics Common Master business component

	🛯 📫 🛧 Default Window 🔻 Theme Gr	rey 🗸 Activity Search	Quick Code	Data Migration User
Maintain Expense Liability rules for INCO Terms				
Search Criteria INCO Term Search Details	T			
Found no rows to display!!! * * + - □ % ×		⋏⋼⋼⋧∊⋷⋾× Х∓	₩ III 14 % All 💌	Search Q
# D Source Document Cost Entity Responsibility	Remarks	Notes Create	ed by Created Date Modified by	Modified Date
1 Freight Cost V Columns renamed				
	Sav	3		

Exhibit 5:

Maintain Default Rules for INCO Terms screen in the Customer business component

_		= 31/	istion s	uite I		-	• • • • • • • • • • • • • • • • • • •		······································	-	1 0001011		Contra Contra		ramo	role - RAN	00.011
•	Maint	tain C	Defaul	t Rules for INCO Ter	ms										0	2	×
*	Trac	ding P	ch Crit 'artner Defin	/ Trading Partner # C	Customer 40 Co	olumns renam	ed. _{ef. Doc. #}						INCO Term TEST INCO	V	Get		-
Sea	+	4	Γ	1 - 4/4 ▷ ሥ	T X L				Å	<u>h</u> l) x		▼ Sear	:h	Q	
	#	r -		Source Document	Cost Entity	Responsibility	Service Sale Type		Part Sale Type		Inclusion		Remarks	Notes		Created	1 -
	1			DC Invoice	UNLOADING	Receiver		×		~		~					
Agr	2			DC Invoice	UNLOADING	Receiver		~	Con	~	Yes	~				DMUSER	-
	3			DC Invoice	UNLOADING	Receiver		×	Con	~	No	~				DMUSER	
H	4			DC Invoice	UNLOADING	Receiver	Blended	v		×	No	~				DMUSER	
# 1 2 3 4 5				4		_			Save							•	

Provision to enable processing of request amendments in CO hub

Reference: APRP-1333

Background

Currently, any amendment to a Customer Request for 'Advance Exchange' through revisions will be directly updated in the Customer Order, Exchange Order, Material Request or General Issue accordingly as applicable. There is no provision for the CSR to review the changes requested by the customer in case of requests already processed into an order. Hence the requirement is to have a provision to verify the revisions done to the customer request and process the same based on which the downstream documents needs to be updated.

This enhancement brings improvements in **Customer Order Management Hub** in the form of new tile addition 'Request Amend. Pend Processing' which will retrieve all the Requests which are revised and the revisions are yet to be processed. The amendment details will be shown in the Summary multiline and the user can Accept/Reject the amendment changes.

Change Details

- A new parameter is added against the Preference for Customer Order Management Hub under the Stock Management business process > User Preferences component > Manage Screen Default and Preferences activity. (Exhibit-1)
 - Parameter for: Display Options
 Parameter: Show Request Amend. Pending Processing
 Permitted Value: Enter '0' for 'No', '1' for 'Yes'
 - ✓ If this is parameter is set as:
 - a. No: Then 'Request Amend. Pending Processing' tile will not be displayed under 'Exception Toggle' bucket.
 - b. Yes: Then 'Request Amend. Pending Processing' tile will be displayed under 'Exception Toggle' bucket.
- A new tile 'Request Amend. Pend Processing' is added in 'Exception Toggle' button under the 'Commercials Management' business process > 'Customer Order Management Hub' component > 'Customer Order Management Hub' activity. (Exhibit-2)
 - Note:
 - a. All the Customer Requests against which latest revisions are available in 'Confirmed' status will retrieved under this tile.
 - b. The Summary multiline will be same as available in all other existing tiles for 'Customer Request'.
- New columns 'Amend. Info.', 'Processing Exception' & 'Amend. Processing Remarks' are added in Request Summary Multiline which will be visible only under 'Request Amend Pend. Processing'' tile. (Exhibit-2)

- Amend. Info: Shows the details of the columns which are modified in the revision generated.
- **Processing Exception:** Displays the exceptions identified during processing of the request amendments.

Ex: In case if during updating the changes requested in the revision of the request to the Customer Order, if there arises need for contract re-evaluation. This will shown as 'Contract Re-assignment' needed. Contract evaluation will be done and exception will be identified only on 'Accepting Amendments'.

- Amend. Processing Remarks: Any remarks provided by the user during processing of request amendments.
- 4. A new display-only control 'Rev. #' is added in the Summary multiline. This displays the Rev. # of that specific Customer Request. (Exhibit-2)
- 5. A new combo action button is added in **CO Hub** screen and should be visible only for tile 'Request Amend. Pending Processing'. (**Exhibit-2**)

This Action combo loads with the following values:

- Accept Amend. : The changes in the revision will be accepted and updated into the downstream documents.
- Reject Amend. : The changes are not accepted and no further processing will be done.
- A new hyperlink 'Request Rev. Info'. control is added in 'Request Detail' band section. The value against the control will be shown as: (Exhibit-3)
 - Exist-Pending: If any of amended controls against Customer Request (Irrespective of revision) are yet to be Processed (Accept amend. / Reject Amend) that is., any of the revision of the request is available with 'Reg. Processing Status' as 'Pending'
 - None : If the amendment is not made to Customer Request document (0th Revision of the Request)
 - **Exist-Processed:** If all the amended controls against Customer Request (Irrespective of the Revision) are already processed.
- 7. A new combo UI is displayed next to **'Request #**' above the 'Request Details' band. Combo will load all the revisions available against the request. On click of Request# hyperlink in 'Summary' multiline and this combo will be defaulted with the latest revision of the request and all the details will be retrieved accordingly. **(Exhibit-3)**
- 8. A new pop-up UI **'Manage Request Amendment Processing**' will be launched on click of the 'Request Rev. Info.' data hyperlink. The control level changes with respect to all the revisions of the request can be reviewed (in case of already processed revisions) or processed (in case of pending processing revisions). **(Exhibit-4).**

Camila	Note:	
	a.	Amendment Processing - after Threshold Event:
		I. Creation of new revision or processing of amendment is allowed only until Threshold Event is reached. In case of a Request with Request for 'Advance, the threshold event is: Issue has already been confirmed for at least one part against the exchange MR generated for at least one EXO genera rated from the Customer Request based Customer Order.
	b.	Acknowledgment/Reject against new Revision:
		I. The Acknowledgement Status against the request will be tracked at revision level. On acknowledging the new revision, an automatic mail will be sent to the customer for accepting the changes in the new revision.
		II. The Reject against the new revision will also trigger mail to the customer and the document status is updated accordingly (as per the existing functionality).
	C.	When a new revision of Customer Order is generated due to Customer Request Amendment, the 'Pevision Comments' in

When a new revision of Customer Order is generated due to Customer Request Amendment, the 'Revision Comments' in respective Customer Order will be updated with the comment: 'Revision Auto generated on Customer Request Amendment'

Exhibit 1:

Manage Screen Defaults Preference screen in the User Preferences business component

	l Ma	inage Screen Dei	aults and Preference			RAM	1COOU-Ramco Role 🔻 💢 🔒 🛱 🗧	(? 🛛
	meter							
6	_	1 - 10/17 🕨 🕨	+ 🗆 % 🝸 🎢			8 # # III N % A		Q
#		Parameter For	Parameters	Permitted Value	Value	Status	Error Message	
		Default Options	Category to be defaulted	Enter '1' for 'Status List' , '2' for 'Alerts and Exception	ns' 2	Defined		
		Display Options	Show Overdue Requests	Enter '0' for 'No' , '1' for 'Yes'	1	Defined		
		Display Options	Show Error Requests	Enter '0' for 'No' , '1' for 'Yes'	w Parameter a	ddad		
		Display Options	Show Unprocessed Orders	Enter '0' for 'No' , '1' for 'Yes'	w raiameter a			
		Display Options	Show Part Sourcing delays	Enter '0' for 'No' , '1' for 'Yes'	<u> </u>	ł		
		Display Options	Show Request Pending Confirmation	Enter '0' for 'No', '1' for 'Yes'		Defined		
		Display Options	Show Requests Amend. Pending Processing	Enter '0' for 'No' , '1' for 'Yes'	1	Defined		
		Display Options	Show Unprocessed Requests	Enter '0' for 'No' , '1' for 'Yes'	1	Defined		
		Display Options	Show Requests Pending Acknowledgement	Enter '0' for 'No' , '1' for 'Yes'	1	Defined		
0		Display Options	Show Order Pending Acknowledgement	Enter '0' for 'No' , '1' for 'Yes'	1	Defined		
		4						
				Save				
Rec	ord Sta	tistics						
			Created By			Created Da	te	

Exhibit 2:

Customer Order Management Hub screen

★ 目	Customer Ord	der Management Hub)					RAMCO OL	U-ramco role 👻 💢 🛱 🗧 🖥
! =	View Option Custor	mer Requests Vearch	by - Part# / A	/c Reg.# / Model	A New tile add		- Tiles View		New Document 🔓
<		New Control 'Re added	v. #'	38	Request Amend. Pend Processing	6 Unprocessed O	rders 143 Part	A New columns	, ,
	1 - 6/6						人 🖹 X ⁴ 🗶 🖡		Search Q
#	Customer	Request #	Rev.	Req. for / Type	Object Info.	Req. Processing Info.	Amend. Info	Processing Excep	ption Amend. Processing Remarks
1	13840 / 1384	40CUST RFQ-001919-2020	1	Advance exchange	00001 / Test	Pending Amend. Processing	Need Date Req. for Aircra	aft Ship to ID	
2	13840 / 1384	40CUST RFQ-001867-2020	2	Advance exchange	00001 / Test	Pending Amend. Processing	Need Date		
3	I3840 / 1384	40CUST RFQ-001770-2020	5		00001 / Test + 1 more	Pending Amend. Processing	Need Date		
4	13840 / 1384	40CUST RFQ-001776-2020	2	Advance exchange	00001 / Test + 1 more	Pending Amend. Processing	Need Date Ship to ID		
N		1774-2020	2	Advance exchange	00116:M2020 / PENETRANT	Pending Amend. Processing	Req. for Aircraft		
	ew Combo I Ided	1770-2020	2		00001 / Test + 1 more	Pending Amend. Processing	Req. for Aircraft		
Accept A	Amend 💌								Quick Link

Exhibit 3:

Customer Order Management Hub screen

RFQ-	0018	20-2	2020 5	Ŧ	~													
	Custo 138		13840C	Ne	w combo a	dded		Date & Time 2-2020 11:36:	13 AM	Priority AOG	r		Processing Stage Pending Amend. Pr		c. Status onfirmed		Request Rev. Exist-Pending	
	<mark>equest</mark> ct Info	Addi D. V	<mark>itional Deta</mark> Work Reque		nfo.											New Hy added	perlink	
*	4		1 - 1/1 🕨	₩	+ - 0 % 7	7) × X + +	DD 14 %	All	 Search 	Q Q
#	1	3 1	Part #	Q	Part Description	Mfr. # 🔎	Mfr. Part # 🔎	Serial #	Q	Mfr. Serial #	Q	Mfr.Lot # 🔎	Rem. from A/c Reg. # 🔎		Qty.	Q MOU	Removal Reason	Source Part Info.
1	1		00001		Test	00000	1235						101	yul	1.00	ea		00001 1.0000000
2			4															ł
			Ack./Rej.	Remark	5				Ackno	owledge	S	Save	Reject		Process	s Request	🖉 Quick Link	

Exhibit 4:

Manage Request Amendment Processing UI - Customer Order Management Hub screen

		nage Request /		5									
uest #	RFQ-	000457-2020											
4		1 - 5/5 🕨 🕨	7					人山	5 🗴 🗴	x C I H II 1 2	All	▼ Search	C
#	8	Request Rev. #	Request line #	Change type	Change Req. for	Last Processed Info	Modified From	Modified To	Action	Amend. Processing Remarks	Processing Status	Customer Order #	Rev. #
		0	1	Modification	Need Date & Time		09-25-2020 04:35	09-28-2020 04:35	Accept N	1		CO-009168-2020	0
		0	1	Modification	Need Date & Time		09-28-2020 04:35:3	09-29-2020 04:35	Accept 🕔	/		CO-009168-2020	0
		0	1	Modification	Req. for A/c Reg#		6YJMB	101	Accept `	1		CO-009168-2020	0
									×	/			
										1			
		4			New Pop u	un I II with							
					multiline a		Save						

ramco

WHAT'S NEW IN CUSTOMER ORDER MANAGEMENT HUB?

Provision to give suggestive inputs based on Smart fills in CO hub in Global search criteria

Reference: APRP-1155

Background

Currently, Elastic search criteria is introduced to search the 'Part #/ A/c Reg. #/ Model #/ Cust. PO. #/ Req.#/ Order #' details. So, on click of the 'Get' pushbutton, the value provided under global search criteria will be fetched under the Summary multiline. Once the global search is executed, there is no way to bring back the tiles other than refreshing the screen.

Hence the requirement is to have a provision to give suggestive inputs to search with Smart fills in global search criteria and addressing the traversal issue in CO hub after Global search is invoked.

This enhancement brings improvements in **Customer Order Management Hub** enabling Smart fills to global search filter in CO hub and providing an option to retrieve the 'Tiles View' which will bring back the Tiles along with Summary Details.

Change Details

- Smart Fills will be enabled for the 'View Option' Watermark control in global search criteria. Based on the given input, smart fill will suggest the list of Requests / Orders. These smart fills will be enabled for both 'Customer Request', Customer Order' View option combo control.(Exhibit-1)
- 2. On select of the 'View Option' combo as 'Customer Request'/'Customer Order' the Elastic search field will be enabled with Smart fills for the following given inputs.
 - Document #
 - Job Type
 - Customer
 - Customer PO #
 - Object Info.
 - Priority
 - Due date
 - Status/Stage
 - Note:
 - 1. The user can select any search criteria in **Smart Fill** pop up or he can enter any value in global search and click on 'Get' pushbutton, but the system does not mandate the user to select the Smart fill results.
 - 2. On click of the 'Get' pushbutton, if the user has selected one specific Request/Order, that specific Request / Order will be fetched in the Summary grid and the respective request/order details section is also auto filled.
 - *3.* On click of 'Get' pushbutton, if the user continues with the entered criteria, all matching Requests/Orders will be fetched in Summary grid and no details will be fetched.

• A new button 'Tiles View' is added in Global search section next to the 'Get' button. (**Exhibit-2**). On click of 'Tiles View' button, the toggle section and the tiles section (tiles) which were hidden due to Quick Access search will be enabled and all the tiles view is displayed.

Exhibit 1:

Customer Order Management Hub screen in the Commercials Management business component

	VICT V)ption Cus	tomer Requests	🔻 crq				=	Get					🚯 New Document 🌡
				Docu	ument	Job Type	Customer	Customer PO	Object Info	Priority	Due date	Stage / Status		
=				CRQ-	000337-20	17 Order / Sales	13840 / 13840C		:35895	NRM	2020-04-12T00;	Pend. Confirmati		
				CRQ	000338-20	17 Order / Advan	ce 13840 / 13840C		:35895	NRM	2020-04-12T00;	Processed		
	Overd	ue Request	Requests 151 CRQ-000341-2017 Order / Advance 13840 / 13840		ce 13840 / 13840C		:35895	NRM	2020-04-12T00: Processed		1			
				CRQ-000342-2017 Order / Advance 13840 / 13840C :35895 AOG		AOG	2020-04-12T00;	Processed	-					
				CRQ	000343-20	17 Order / Advan	ce 13840 / 13840C		:35895	AOG	2020-04-12T00;	Processed		
		mma ry —		CRQ	000344-20	17 Order / Advan	ce 13840 / 13840C		:35895	NRM	2020-04-12T00;	Processed	* C	ant fills in muta has had
4	_	1 - 8/15	• • • •	Tota	Rows :	399						21 - 40 📢		art fills inputs has be
		Overdue?	Stage	Attach	Chat	Customer	Request Date & Time	Req. for / Type	Priority	Request #	Object Info.		Qt) ena	abled
		Yes	Processed-Error	0		13840 / 12840CUET	10.05.2020 00:00:00	Advance exchange	HIGH	CRQ-000460-2017	0-1:09058 / HARNE	SS ASSY	1.00 / EA	
		Yes		0		13840 /	08.24.2020 00:00:00	Repair / Bid	HIGH	CRQ-000450-2017	6yjmb			
				Q		400007 /	08.24.2020 00:00:00	Repair / Quotation	NRM	CRQ-000449-2017	6yjmb			12170-00-00-16
		Yes		0	12	Customor 9								
		Yes Yes	Processed-Error	0			08.20.2020 00:00:00	Advance exchange	HIGH	CRQ-000448-2017	:35895 / Actuator		2.00 / EA	
			Processed-Error Processed-Error	~		101 / Customer 2	08.20.2020 00:00:00 08.19.2020 00:00:00		HIGH		:35895 / Actuator :35895 / Actuator		2.00 / EA 1.00 / EA	
		Yes		0		101 / Customer 2 400007 / Customer 8		Advance exchange		CRQ-000447-2017		RICAL TEST		
		Yes Yes	Processed-Error	0	R	101 / Customer 2 400007 / Customer 9 400007 / Customer 9	08.19.2020 00:00:00	Advance exchange Advance exchange Advance exchange		CRQ-000447-2017	:35895 / Actuator 000:99999 / ELECTI	RICAL TEST	1.00 / EA	
		Yes Yes Yes	Processed-Error Processed-Error	0	R R R	101 / Customer 2 400007 / 400007 / 400007 / 400007 / Customer 9	08.19.2020 00:00:00 08.19.2020 00:00:00	Advance exchange Advance exchange Advance exchange Advance exchange	NRM	CRQ-000447-2017 CRQ-000446-2017 CRQ-000442-2017	:35895 / Actuator 000:99999 / ELECTI	RICAL TEST	1.00 / EA 1.00 / EA	

Exhibit 2:

Customer Order Management Hub screen in the Commercials Management business component

	View	Option Cus	tomer Requests	▼ Searc	h by - Pa	rt# / A/c Reg.# / M	odel#/ Ci	ust. PO#/ Req. #	/ Order# Ξ	G	et	🔶 Tiles View					🕒 New Docun	nent 🧞
=															New But View' ha		-	
Overdue Requests 151		Error	Error Requests 79						Part Sourc Delays	urcing 6 Cores O			verdue	1				
ea	uest Su	ımmary —																
1		1 - 8/15:	1 b b T 7									<u>لا</u> م	Xţ	8∓≉	110 🚹 🐕 All		 Search 	Q
		Overdue?	Stage	Attach	Chat	Customer	Reque	st Date & Time	Req. for / Type	Prio	ority	Request #	Obj	iect Info.		Qty./UOM	Work Requested	
		Yes	Processed-Error	0		13840 /	10.05.3	2020 00:00:00	Advance exchange	HIG	н	CRQ-000460-2017	0-1:	09058 / HARN	ESS ASSY	1.00 / EA		
		Yes		0		13840 /	08.24.3	2020 00:00:00	Repair / Bid	HIG	н	CRQ-000450-2017	6yjm	nb				
		Yes		0		400007 / Oustomer 8	08.24.3	2020 00:00:00	Repair / Quotation	NRM	4	CRQ-000449-2017	6yjm	nb			12170-00-00-16	
		Yes	Processed-Error	0		101 / Customer 2	08.20.2	2020 00:00:00	Advance exchange	HIG	GH CRQ-000448-2017		:35895 / Actuator			2.00 / EA		
		Yes	Processed-Error	0		400007 /	08.19.3	2020 00:00:00	Advance exchange			CRQ-000447-2017	:358	895 / Actuator		1.00 / EA		
		Yes	Processed-Error	0		400007 /	08.19.3	2020 00:00:00	Advance exchange	NRM	4	CRQ-000446-2017		99999 / ELEC	TRICAL TEST	1.00 / EA		
		Yes	Processed-Error	0		400007 /	08.03.3	2020 12:20:38	Advance exchange			CRQ-000442-2017				1.00 / EA		
		Yes	Processed-Error	0		101 / Customer 2	07.07.3	2020 05:37:34	Regular Exchange	AOG	3	CRQ-000437-2017	:358	895 / Actuator		4.00 / ea		
		4)

ramco

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