

RAMCO AVIATION SOLUTION

ENHANCEMENT NOTIFICATION

Version 5.8.6

Sales

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WHAT'S NEW IN SERVICE PRICE LIST?

Provision to define service price list based on roster code for resources types, Facility, Tools and Others

Reference: AHBG-24077

Background

Some MROs require resources like Facilities, Tools, and Others along with 'Skills' to be priced on the Roster Code basis specified in the Service Price List where the rates are defined based on the working day and the working time of the employee performing the skill.

Currently, however the Roster Code based pricing is available only for the Resources Type, 'Skills'. Therefore, the requirement is for a provision to define service price list based on roster code method for other resources like Facility, Tools and others and price the resources based on roster code.

Change Details

- Provision has been given in Service Price List, to specify the pricing method for the Resource Type 'Facility/Tools/Others' as 'Roster Code'.
- Roster Code based pricing details can now be defined in the **Edit Roster code details** link page.

WHAT'S NEW IN SALE CONTRACT/CUSTOMER ORDER SERVICES?

Ability to evaluate a contract based on Serial

Reference: AHBG-21395

Background

With respect to component contracts, for every Customer Service Order, Customer Contract gets evaluated based on a set of parameters including Customer #, Part #, and Part Attributes such as Part Classification, Part Group, etc., Reference Station and Work Center. Though Serial # can be defined in the Contract, evaluation is not with this information. When a Contract matches for a specific Part-Serial # combination, it must be evaluated as the match over a Contract with no Serial # definition.

Change Details

- The Serial numbers entered in the **Part Serial** tab in the **Manage Sale Contract** activity of the **Sale Contract - Services** business component will be included for Contract evaluation
- On creation of a CO and SWO for a Part-Serial combination; the Contract matching the exact Serial # will be evaluated.

Manage Sale Contract > Sale Contract – Services business component

On saving a contract, the system ensures that the Part # specified in the **Part Serial** tab against a Part Effectively selected is same as the Part # against the Effectivity Code.

Manage Customer Order > Customer Order – Services

Manage Goods Receipt > Goods Inward

Route Unserviceable Components / Parts

On evaluating a contract, the system performs the following:

- Considers the Serial # entered along with the other parameters such as Part #, Station, Customer and so on.
- Retrieves and defaults the contract that matches the exact Serial # in the Contract # field.



Note: On evaluation, if there exist two contracts for the same combination, one with Serial #, and one without Serial #, the system evaluates the Contract which matches the exact Serial #.



Note: Similar Contract evaluation will also occur from Goods receipt and Route Unserviceable parts.

WHAT'S NEW IN SALE CONTRACT, SALE QUOTE AND SERVICE SALE BILLING?

Ability to set NTE limits in Contract and evaluate the exceedance in Quote and Invoice

Reference: AHBG-23517

Background

Some MROs price their customers under Fixed Price basis for the Contracted work scope and other Exclusions/ Out of Scope jobs are priced under 'T&M' basis. A 'Not to Exceed' limit is set on the total value of the jobs done such that the customer is contractually promised a threshold limit on the Invoice for selected portions of a job. Meaning, the NTE limit set may be given only for some of the tasks performed against a job while over and above such as replacement of broken or corroded parts may not be covered within the limit.

Hence, Max. NTE limit needs to be set in the **Sale Contract** and the coverage of NTE with respect to the tasks are to be defined in Contract as well. The exceeding value from the limit set is usually discounted from the order invoice value.

Change Details

Sale Contract

Manage Sale Contract

- A new tab 'NTE Pricing & Exclusions' is added in the **Edit Pricing and Invoicing Details** page of the **Manage Sale Contract** activity.
- The "NTE Price Per Order" section is moved from the "Std. T&M Pricing" tab.
- The "NTE Exclusions" multiline includes the following fields:
 - i. **Eff. Ref.** - Specifies the object for which the NTE Pricing & Exclusions is defined. The system lists the options 'Aircraft Effectivity', 'Part Effectivity', 'Defined Work scope' and 'Defined Exclusions'
 - ii. **Eff. Ref. Code** - The system lists all the reference codes from 'Aircraft/Part effectivity' tabs, 'Workscope and Incl./Excl tasks' tabs.
 - iii. **Basis** - The system lists the values 'Exclude' and 'Exclude with Limit'.
 - iv. **NTE Excl. For?** - The system lists the values 'Task', 'Resources', 'Materials' and 'Ext. Services'.
 - v. **NTE Excl. Limit** - Specify the limit beyond which the task must be excluded from NTE computation.
 - vi. The NTE Limit must be set in the NTE Price Per Order section.
 - vii. All tasks that are to be excluded from the NTE exceedance computation must be defined in the 'NTE Exclusions' tab.

- viii. If the basis is set as Exclude, the task or the element of the task selected in NTE Excl. for
- ix. column would be automatically excluded from NTE pricing evaluation.
- x. If the Basis is set as Exclude with Limit, then a specific limit can be provided under the 'NTE Excl. Limit' column. This would mean that the task or the element would be excluded from NTE computation if the value crosses the given limit.
- xi. If a task has more than one element (Resources/Materials/Ext. Services) to be excluded, the same task must be defined in multiple rows for each exclusion separately.

Exhibit 1:

Identifies the **Manage Sale Contract** screen in **Sale Contract** business component

Edit Pricing and Invoicing Details

Main Contract Details

Contract # / Rev. # WARRANTY-004 / 0
 Contract Category
 Customer # 100004
 Effective from 01-01-2017

Contract Type Customer Specific
 Sale Type T & M
 Customer Name SINGAPORE AIRLINES
 Effective to

Contract Status Approved
 Contract Date 01-01-2017
 Currency CAD
 User Status

Std. & T&M Pricing Fixed Pricing Monthly Fixed Charges UB Rev. Recog. **NTE Pricing & Exclusions** Mat. Pricing Caps Res. Pricing Caps Ext. Ser. Caps Inv. & Payment T/C/D

NTE Price Per Order

Limit Type
 Other Res. Price
 Effective to
 Material
 Total N
 Labour Price
 Effective from

NTE Exclusions

#	Eff. Ref.	Eff. Ref. Code	NTE Eff. Code	Basis	NTE Excl. For?	NTE Excl. Limit	Internal Notes	NTE Excl. Description
1				Exclude				

Save NTE Pricing

Confirm Contract Cancel Contract

Edit Main Info. Edit Additional Info. Edit Terms of Execution Edit Incoming & Outgoing Terms

+ Record Statistics

Customer Service OrderManage Customer Order

The 'NTE Pricing and Exclusions' tab also participates as a parameter for Contract Re-assignment. Upon re-assigning the contract, the values in latest contract will be considered for pricing in quote and release.

Sale QuotationManage Sale Quote

A new tab 'NTE Price Exceedance' is added in the **Manage Sale Quotation** activity.

On generation of quotation (manually or automatically), the tasks in the work order are compared with the NTE Exclusions definitions in the Contract and the NTE applicability is evaluated for every task.

The system would evaluate the NTE exceedance value for the tasks in the Order and would display the same in the NTE Exceedance field in the header, and if there exists any exceedance, an alert would be displayed in the pricing card on top right of the **Sale Quotation** screen.

User can choose to adjust the value to meet NTE against each task or apply a discount for the exceeding value manually.

Exhibit 2:

Identifies the **Manage Sale Quote** screen in **Sale Quotation** business component

The screenshot displays the 'Manage Sale Quotation' interface. The top navigation bar includes tabs for 'Main Info.', 'Ref. Info.', 'Materials', 'Resources', 'Ext. Services', 'Direct Qt. Info.', 'NTE Price Exceedance' (highlighted with a red box and a yellow callout bubble saying 'New tab added'), 'Addl. Charges', 'CO T/C/D', 'CO Maint. Obj.', 'Pricing Summary', and 'Assessment Info.'. Below the tabs, there are sections for 'NTE Pricing Summary' and 'NTE Price Details'. The 'NTE Price Details' section shows a table with columns: '#', 'Ref. Entity', 'Entity #', 'NTE Applied On', 'Total Price - Resources', 'Total Price - Materials', and 'Total Price - Ext. Serv.'. The table is currently empty, displaying 'Found no rows to display!!!'. At the bottom, there are buttons for 'Confirm', 'Release for Approval', 'Return', and 'Cancel'. There are also links for 'View Repair Findings', 'Record Warranty Evaluation & Disposition', 'Customer Correspondence', 'Print Quote', 'Upload Documents', and 'View Associated Doc. Attachments'.

Service Sale Billing**Process Invoice**

A new tab 'NTE Price Exceedance' is added in the **Manage Invoice Release** activity.

On generation of release (manually or automatically), the tasks in the work order are compared with the NTE Exclusions definitions in the Contract and the NTE applicability is evaluated for every Task.

If the billing basis is Quote, the NTE exceedance and respective computations would be automatically copied from the quote with any manual adjustments done, if any.

If billing basis is Actuals, then the NTE computations would occur based on actual consumption at Invoice release. The exceedance would be computed similar to that in quotation and would be displayed as NTE Exceedance. It is up to the user to either manually adjust the values against the task or add a discount for the exceeding value.

Exhibit 3:

Identifies the **Process Invoice** screen in **Service Sale Billing** business component

★ Manage Invoice Release

Release Main Info.

Cust. Order # / Rel. #

CO-007716-2016

1

Inv. Rel. Readiness

Not Ready To Bill

Release Status

Fresh

Customer #

400007

Customer Name

MAX AEROSPACE & AVIATION PRIV/

Currency

CAD

Sale Type / Pricing Basis

FP/FPWU

Pend. Rel. Exists?

No

Order Level TCDs

0.00

Basic Value

0.00

Total Value (Base Curr.)

0.00

Exchange Rate

1.00000

Bill To Customer

400007

Ship to 1

Ship To Customer

400007

Bill to

Exe. Doc. Info.

CO-007716-2016

info.

Materials

Resources

Ext. Services

CO Prepayment Info.

Direct Rel. Info.

NTE Price & Exceedance

Addl. Charges

CO T/C/D

CO Maint. Obj

NTE Pricing Summary

Basic. Qt. Value 0.00

Amt. Eligible for NTE

NTE Limit

NTE Exceedance

NTE Price Details

[No records to display]

#	Ref. Entity	Entity #	NTE Applied On	Total Price-Resources	Total Price-Materials	Total
1						

Re-Apply NTE Limit

Update Rel. Readiness

Confirm

Process

Evaluate Invoice

Cancel

Record Statistics

Created by SYSTEM

Last Modified by

Confirmed by

Processed by

Created Date 03-05-2017

Last Modified Date

Confirmed Date

Processed Date

Ability to specify the usage of Buyer Furnished Equipment in Sale Contract

Reference: AHBG-22125

Background

When it comes to maintenance and repair of aircrafts, MROs have contracts with its customers, say for example CUST B for the completion of work on the Aircrafts that has been manufactured by the customer (CUST B).

The parts that are to be used by the MRO for such completion work are classified in three categories as follows:

1. Customer supplied parts
2. MRO parts
3. Buyer furnished parts that is parts supplied by the Airline customers of CUST B that are specific to the respective customer.

However as per currently, only the MRO parts and customer parts can be consumed against the task.

Therefore, the requirement is for a provision to capture the usage of end user supplied parts.

Change Details

1. New set option has been added in the **Part Handling Details** tab page in **Sale Contract** to specify if the end user can supply spare parts against aircraft job or not as follows:

Category: Commercial

Element: Buyer Furnished

Description: Usage of Buyer Furnished Equipments

Permitted Values:

- '0' for 'Allowed'
- '1' for 'Not Allowed'
- '2' for 'Not Applicable'

2. New set option has been added in the **Manage Additional Options** link in **Customer Master** to capture the preferred stock status of the end user supplied parts.

Category: Customer Part Usage

Description: Default Stock Status for Buyer Furnished Equipment

Permitted Values:

- Enter a valid stock status of Ownership 'Customer'

2. Provision has been made to capture the end user of aircraft in the Aircraft Master. Based on this data the contract facilitates the MR Service to request for end user supplied parts or allow the user to provide estimate against end user supplied parts.

Exhibit 1:

Part Handling Details tab in the **Edit Terms of Execution** link in the **Manage Sale Contract** business component

Edit Terms of Execution

Main Contract Details

Contract # / Rev. # : WARRANTY-007 / 0
 Contract Category :
 Customer # : 400007
 Effective from : 01-01-2017

Contract Type : Customer Specific
 Sale Type : T & M
 Customer Name : MAX AEROSPACE & AVIATION PRIV
 Effective to :
 Contract Status : Approved
 Contract Date : 01-01-2017
 Currency : CAD
 User Status :

Part Handling Details

Operational Parameters | Permitted Work Delays | **Part Handling Details** | Customer Supplied Parts

Part Information

Pref. Stock Status-Customer : Customer Owned | Pref. Stock Status-Internal : Accepted | Customer Specific Parts : NOT-DEFINED

#	Category	Element	Description	Value	Value Selected	Permitted Values	Auto	Hold	Note	Hold	Internal	Hold Comm
7	Execution	Exchange	Sub-assembly Exchanges	0	Allowed	Enter "0" for 'Allowed', "1" for 'Not Allowed' and "2"						
8	Execution	Swap	Sub-assembly Swaps	0	Allowed	Enter "0" for 'Allowed', "1" for 'Not Allowed' and "2"						
9	Execution	Upfront Exchange	Upfront Exchange of Sub-assemblies	0	As set in Part Master	Enter "0" for 'As set in Part Master' and "1" for 'Not						
10	Execution	Main Core BER	Salvage Action on Declaration of Main Core as	0	Scrap Locally	Enter "0" for 'Scrap Locally', "1" for 'Return to						
11	Execution	Sub-assembly BER	Salvage Action on Declaration of Sub-assembly	0	Scrap Locally	Enter "0" for 'Scrap Locally', "1" for 'Return to						
12	Execution	Main Core Scrap	Salvage Action on Declaration of Main Core as	0	Scrap Locally	Enter "0" for 'Scrap Locally', "1" for 'Return to						
13	Execution	Sub-assembly	Salvage Action on Declaration of Sub-assembly	0	Scrap Locally	Enter "0" for 'Scrap Locally', "1" for 'Return to						
14	Commercial	Buyer Furnished	Usage of Buyer Furnished Equipments			Enter "0" for "Allowed", "1" for "Not allowed"						

Save Part Handling Details

Confirm Contract | Cancel Contract

Edit Main Info. | Edit Pricing & Invoicing Details | Edit Incoming & Outgoing Terms

Record Statistics

Exhibit 2:

Manage Additional Options link in the **Create Customer Record** component

Manage Additional Options

Customer Info

Customer # : CUS-005 | Customer Name : HEINAN AIRLINES | Customer Category : End Customers

Definition For

Category : Customer Part Usage

Parameter Details

#	Category	Parameter	Permitted Values	Value	Error Message	Created by
1	Customer Part Usage	Usage of other Customer stocks	Enter "0" for 'Allowed', "1" for 'Not Allowed'.	0		DMUSER
2	Customer Part Usage	Default Stock Status for Buyer Furnished Equipment	Enter a valid stock status of Ownership	HNA		DMUSER
3	Customer Part Usage	Default Stock Status for Customer Stock Replenishment	Enter a valid stock status of Ownership	HNA		DMUSER
4						

Save

Exhibit 3:

Edit Part Supplied by Customer screen in the **Customer** business component

★ Edit Part Supplied by Customer

Customer Details

Customer # CUST-000012-2015
Restriction Type Include

Customer Name CUSTOMERGST

Spare Part Details

[No records to display]

#	Part #	Mfr. Part #	Mfr. #	Part Description
1				

Edit Part Details

Exhibit 4:
Create Aircraft Record in the Aircraft business component

★ Create Aircraft Record

Aircraft Identifiers

Serial # / Aircraft Reg. #
Variable Tab #
Aircraft Model #
Date Of Manufacture

Manufacturer Serial #
Tail # / Nose #
Manufacturer #
Inventory Part #

Supplimentary Identifier Details

Customer Effectivity #

Engine Set #

Copy Details

Aircraft Reg. #

Copy Options
☐ All
☐ Main Details
☐ Parameters

Aircraft Ownership Details

Reg. Cert #
Aircraft Ownership
Owning Agency #
Engagement Type
Airline Operator #
End Customer #

Issue Date
Regulatory Authority
Lease Type
Owning Agency Name
Preferred Stock Status
End Customer Name

Operational Details

Accounting Details
Additional Details

Ability to define per horizon based charges against aircraft effectivity references

Reference: AHBG-22896

Background

MROs provide maintenance services to Aircrafts by charging customers on a monthly basis. This monthly charge based invoicing can currently be done using the Fixed Monthly Charges (Fixed price per month) in Sale Contract. Apart from the maintenance service charges, there could be other fixed charges for warehouse rent, administrative fee, etc. But, in some cases, these fixed charges are seen to vary based on the number of Aircrafts that were actually in use in the given month.

These fixed charges are seen in parlance with the 'Contract Level' charges in Sale Contract, as they are fixed and not a per aircraft fee, but, the fixed charge itself varies based on the number of aircrafts that are in use in the given month. Thus, the requirement is to provide per horizon charge that would vary with respect to the number of aircrafts in service.

Change Details

The parameter 'Per Horizon' for Aircraft Effectivity charges has been enabled in the 'Parameter' column in the **Monthly Fixed Charges** tab in the **Edit Pricing and Invoicing Details** link page of the **Manage Sale Contract** activity.

The above definition would indicate that the fixed charge is for a billing period which is fixed irrespective of the number of aircrafts.

(i.e., the rate is flat and is not as per the aircraft rate)

In order to have quantity slab-based rate variations, the **Rule Based Details** screen is enabled such that the quantity slabs can be used



*Note that the 'Rate Application' combo in the **Rule Based Pricing Details** activity must be selected as 'Flat'.*

Based on the Contract definitions, monthly invoice release milestones would be set up. On generating invoice releases, the monthly charges would be evaluated as follows:

For the given billing period, if the Billing Element has a per horizon based fixed charge defined with Pricing Method as 'Direct', the rate given in Contract would simply be retrieved in the Invoice Release automatically. If the pricing method is set as 'Rule Based', fixed charge would be evaluated based on the slabs and effectivity dates defined in the **Rule Based Pricing** link in **Monthly Fixed Charges** tab.

The number of aircrafts eligible as in-service would be evaluated based on the date references provided in Contract and the corresponding dates in the **Maintain Object Reference Dates** Activity under **Sale Contract** component.

Based on the quantity of aircrafts, the fixed charge would get picked from the slab into which the number falls

Exhibit 1:

Monthly Fixed Charges tab in the **Edit Pricing and Invoicing details** link page of the **Manage Sale Contract** activity

Edit Pricing and Invoicing Details

Main Contract Details

Contract # / Rev. # MSA-FPM-03 / 1 Contract Type Customer Specific Contract Status Fresh

Contract Category Sale Type FP Contract Date 01-01-2017

Customer # 400006 Customer Name Customer 7 Currency CAD

Effective from 01-29-2018 Effective to User Status

Std. & T&M Pricing Fixed Pricing **Monthly Fixed Charges** UB Rev. Recog. Mat. Pricing Caps Res. Pricing Caps Ext. Ser. Caps Inv. & Payment T/C/D

Usage Based Pricing Details

#	Pricing Basis	Eff. Ref.	Eff. Ref. Code	Pricing Method	Parameter	Aircraft MSN
1	FP per Month	Aircraft Effectivity	A1	Rule Based	Per Horizon	
2	FP per Month	Aircraft Effectivity	A2	Rule Based	Per Horizon	
3	FP per Month			Direct		

Newly added 'Per Horizon' parameter with Eff. Ref. as 'Aircraft Effectivity'

Exhibit 2:

Rule Based Pricing Details link in the **Monthly Fixed Charges** tab page of the **Edit Pricing and Invoicing Details** screen

Rule Based Pricing Details

Contract Details

Contract/Rev. # 400006-FPM/ 3 Contract Type Customer Specific Contract Status Fresh

Pricing Details

Rate Application Flat

#	Pricing Line Ref. #	Qty. From	Qty. To	Rate	Effective From	Effective To	Equipment Group
1	1/Aircraft Effectivity/ALL/Maintenance	0	3	12750.00	01-01-2018	01-31-2018	
2	1/Aircraft Effectivity/ALL/Maintenance	3	4	16614.00	01-01-2018	01-31-2018	
3	1/Aircraft Effectivity/ALL/Maintenance	5	6	20478.00	01-01-2018	01-31-2018	
4	1/Aircraft Effectivity/ALL/Maintenance	0	3	13000.00	02-01-2018	02-28-2018	
5	1/Aircraft Effectivity/ALL/Maintenance	3	4	16750.00	02-01-2018	02-28-2018	
6	1/Aircraft Effectivity/ALL/Maintenance	5	6	21500.00	02-01-2018	02-28-2018	

Effective From and To Dates

Exhibit 3:

Operational Parameters tab page in the **Edit Terms of Execution** link page

Operational Parameters

Permitted Work Delays Part Handling Details Customer Supplied Parts

#	Category	Element	Description	Value Selected	Notes	Permitted Values	Auto t
21	Logistics	Auto Authorization of RO	Auto Authorization of RO on	1 Not Allowed		Enter "0" for 'Allowed' and "1" for 'Not Allowed'.	
22	Logistics	Manual Authorization of RO	Manual Authorization of RO	1 Not Allowed		Enter "0" for 'Allowed' and "1" for 'Not Allowed'.	
23	Commercials	Progressive Billing	Progressive Billing on Task	0 Allowed		Enter "0" for 'Allowed', "1" for 'Not allowed'	
24	Commercials	Work Reporting	Work Reporting by a	0 Allowed		Enter "0" for 'Allowed', "1" for 'Not Allowed'.	
25	Execution	Timesheet Reporting	Allow Time Reporting by Other	0 Yes		Enter "0" for 'Yes' and "1" for 'No'.	
26	Commercials	UB/FP per Month pricing	Billing Start Ref. date for FP per	1 Other Ref. Dates		for Contract Start date, "1" for Other Ref. Dates	
27	Commercials	Billing Automation	Grouping Policy for Automatic	0 One Release per Mile		for One Release per Milestone, "1" One Release per Billing	
28	Commercials	Billing Automation	Setup of Monthly Invoice	0 Manual		"0" for Manual, "1" Automatic	

Other Ref. Dates

Exhibit 4:

Billing Ref. Date Details link page in the **Inv. & Payment** tab of the **Edit Pricing and Invoicing** activity

Billing Ref. Date Details

Contract Details

Contract/Rev. # MSA-SINT-AL-7/3Contract Type Customer SpecificContract Status Cancelled

Date Ref. Details

1 - 5 / 5

Start Reference Date

Induction Date

Ref. Entity

Entity #

Remarks

1	<div>Billing Ref. & Element</div>	<div>Start Reference Date</div>	<div>Ref. Entity</div>	<div>Entity #</div>	<div>Remarks</div>
2		<div>Entry into Service...</div>	<div></div>	<div></div>	
3		<div>Entry into Service...</div>	<div></div>	<div></div>	
4		<div>Entry into Service...</div>	<div></div>	<div></div>	
5		<div>Entry into Service...</div>	<div></div>	<div></div>	

Ramco Aviation Solution

Ability to modify Object Ref. Dates even after Release Generation

Reference: AHFG-11104

Background

Monthly Invoice Releases have been given a provision with which the start reference dates for billing can be set in Contract. With regards to these reference dates, there might be situations in which the start reference date might get extended. Considering an example where the Warranty End Date for an aircraft may have been achieved and the customer may have already been billed for out of warranty fees as well. However, there might have been some enhancements made to the aircraft equipment that in turn would give a new Warranty End Date, in other words, the Warranty End Date now stands extended.

In such cases, there is a need to modify the Billing Reference Date even if the date is in the past and invoices have already been generated.

Change Details

Sale Contract

1. Ability to change the reference dates in **Maintain Obj.Ref Dates** activity and being able to change the dates even though the release has been generated for the same aircraft with respect to the same reference date.
2. The user can either extend a given date or pre-pone the date as required.

Service Sale Billing

- If the reference date is extended, the system automatically cancels all the pending milestones that are not yet achieved in accordance with the dates that are maintained in the **Maintain Object Ref. Date** activity of the **Sale Contract** business component.
- The system cancels all the milestones that have been achieved but not yet billed.



Note: Releases that are in Fresh, Confirmed or Invoiced statuses remain unaffected.

If the reference date is preponed:

- New milestones will be setup starting from the date that has been provided

Ability to map billing element to standard tasks

Reference: AHBG-22999

Background

Generally maintenance tasks that are performed on the aircrafts are grouped and billed to the customer based on the category of work performed, that is Media Upload, IFE Maintenance Service and so on. Sometimes, the invoicing is also done by grouping the jobs based on such categories. For example, if both Media Upload and IFE Maintenance service is performed under a particular package, tasks executed to do Media Upload will be grouped and raised as a single bill. Likewise, tasks executed to perform IFE Maintenance Services will be grouped and raised as separate bill. Therefore the requirement is to map billing element with the tasks.

Change Details

A new **Set Parameters** screen has been introduced in the Sale Contract business component in order to set parameters based on which Task - Billing element mapping can be done. This screen provides a list of the parameters like Customer, Contract #, Task #, Task Type, Task Category out of which the user can specify the Parameters which needs to be used for mapping the billing element.



Note: Parameter setting has been developed as a one-time setup and the system does not allow modification of these settings.

A new activity **Task Billing Element Mapping** has been introduced as a link in the **Set Parameters** screen to enable the user to map the Billing Element with tasks directly or with task attributes like Task Type or Task Category.

1. The 'Task Basis' drop down list box in this screen lists options based on the option settings in the Set Parameter screen as follows:
 - Task #, Task Category, and Task Type if these controls are set as 'Yes' in **Set Parameter** screen.
 - If any of the above three controls were set as 'No', then the respective option will not be listed in the Task Basis combo
2. The 'Task Type' column in the multiline will be loaded with all the Task Types that are in active status only if the Task Type control is specified as "Yes" in the **Set Parameters** screen, else leaves the system leaves the field blank.
3. The 'Task Category' column in the multiline will be loaded with all the Task Categories that are in active status only if the Task Category control is specified as "Yes" in the **Set Parameters** screen, else the system leaves the field blank.

Exhibit 1:

Set Parameters page in the **Sale Contract - Services** business component

★ Set Parameter

Set Parameter Details

Customer # Yes

Contract # Yes

Task # Yes

Task Type No

Task Category No

Set

Record Statistics

Task-Billing element Mapping

Created by DMUSER

'Task -Billing Element Mapping' link

Exhibit 2:

Task – Billing Element Mapping activity in the Sale Contract - Services business component

★ Task-Billing Element Mapping

Searchcriteria

Customer #

Contract #

Task basis

Search

1 - 10 / 12

All

#	Customer #	Contract #	Task #	Task Type	Task Category	Billing Ref. & Element	Created
1	400007	MSA-AAC-01	AIRTASK-1			Fixed Fee	12160
2	400007	MSA-AAC-01	AIRTASK-2			Fixed Fee	12160
3	400007	MSA-AAC-01	AIRTASK-3			Fixed Fee	12160
4	400007	MSA-AAC-01	NST-005946-2018			Maintenance	12160
5	400007	MSA-AAC-01	NST-005947-2018			Maintenance	12160
6	400007	MSA-AAC-01	NST-005948-2018			Maintenance	12160
7		6YJMA-EXE-2	1-50C-0000-CMM-			Fixed Fee	DMUSER
8		6YJMA-EXE-2	0005			Maintenance	DMUSER
9		6YJMA-EXE-2	1-B737-0500-Othe-			On Call Fee	DMUSER
10		6YJMA-EXE-2	2-B737-0500-Othe-			Fixed Fee	DMUSER

Save

Lists options based on the set parameters

Ability to do price modifications in both CO & Pricelist currencies in Sale Quote & Billing

Reference: AHBG-23512

Background

Many of the MROs are maintaining their Service Price list to price the resource consumption in their Base Currency. Similarly, Part price lists are maintained either in Base currency or in Currency of OEM based on the MRO Pricing policy.

When the service is provided to Foreign Customer, Quote / billing is provided in respective Customer's Currency which may differ from the base Currency of MRO. In such case, if price modification is required in quote / billing, flexibility is required to do the modifications either in Pricelist currency or in the Customer Order currency as per requirement.

Currently, some restrictions are there in Sale quote / Billing which denies the modification of price in both Customer Order and Pricelist currency. This enhancement provides the ability to bring in the flexibility in price modifications in both quote and billing frame work.

Change Details

Sale Quotation

- The existing 'Ref. Price (CO. Curr.)' field in the 'Quoted Part Details' multiline of the 'Materials' tab is replaced by the 'Base Rate (PL Curr.)' which specifies the Rate of the spare parts available in the pricelist referred in the quotation.
- The existing 'Base Rate (CO Curr.)' display field in the 'Quoted Part Details' multiline of the 'Materials' tab is changed into an editable field.
- The existing 'Base Rate' field in the 'Quoted Part Details' multiline of the 'Resources' tab is replaced by the 'Base Rate (PL Curr.)' which specifies the Rate of the spare parts available in the pricelist referred in the quotation.
- The existing 'Unit Markup' field in the 'Quoted Part Details' multiline of the 'Resources' tab is replaced by the 'Unit Markup (PL Curr.)'.
- The existing 'Value (CO Curr.)' display field in the 'Quoted Additional Charges' multiline of the 'Addl. Charges' tab is changed into an editable field.

Exhibit 1:

Identifies the **Manage Sales Quotation** screen in the **Sale Quotation** business component

The screenshot displays the 'Manage Sale Quotation' window for 'Customer 7' with order # 'CO-008154-2018'. The 'Materials' tab is active. A table titled 'Quoted Part Details' shows one record. Two fields in the table are highlighted with red boxes and callouts:

- Base Rate (PL.Curr.):** A new field added, indicated by a yellow callout.
- Base Rate (CO.Curr.):** A display field changed into an editable field, indicated by a yellow callout.

The interface includes various tabs (Main Info, Ref. Info, Materials, Resources, Ext. Services, Direct Qt. Info, NTE Price Exceedance, Addl. Charges, CO T/C/D, CO Maint. Obj., Pricing Summary, Assessment Info.) and buttons for actions like 'Confirm', 'Release for Approval', 'Return', and 'Cancel'.

Service Sale Billing

- The existing 'Base Rate (CO Curr.)' display field in the 'Material Pricing Details' multiline of the 'Materials' tab is changed into an editable field.
- The existing 'Unit Price (CO Curr.)' display field in the 'Resource Pricing Details' multiline of the 'Resources' tab is changed into an editable field.
- The existing 'Value (CO Curr.)' display field in the 'Charges Pricing Details' multiline of the 'Addl. Charges' tab is changed into an editable field.

Exhibit 2:

Identifies the **Manage Invoice Release** screen in the **Service Sale Billing** business component

★ Manage Invoice Release

6789108 / 33

Release Main Info.

Cust. Order # / Rel. #

CO-007799-20171

Inv. Rel. Readiness

Not Ready To Bill

Release Status

Fresh

Customer #

400007

Customer Name

MAX AEROSPACE & AVIATION PRIV/

Currency

CAD

Sale Type / Pricing Basis

T & M/TM

Pend. Rel. Exists?

No

Basic Value

375.30

Order Level TCDs

0.00

Total Value

375.30

Exchange Rate

1.00000

Total Value (Base Curr.)

375.30

Bill To Customer

400007

Ship to 2

Ship To Customer

400007

Ship to 4

Exe. Doc. Info.

CO-007799-2017

Reg. Billing Info.

Actuals Info.

Materials

Resources

Ext. Services

CO Prepayment Info.

Direct Rel. Info.

NTE Price & Exceedance

Addl. Charges

Current Ref. Details

CO # CO-007799-2017

Exe. Doc. Type

SWO

Exe. Doc. #

CWO-008733-2017

Charges Summary

SPL # / Rev. #

Billable Task Chrgs.

Billable CO Chrgs.

Revision Info.

Search Filters

Get Latest Info.

Count 0

View Option

Billing Info

Search by

Search

Charges Pricing Details

[No records to display]

All

#	Value (PL Curr.)	PL Curr.	Exch. Rate	Value (CO Curr.)	Price Factor	Mark-up
1						

Display field is changed into editable

Save Addl. Charges

Update Rel. Readiness

Confirm

Process

Evaluate Invoice

Cancel

Record Statistics

View Accounting Info. for Rev. Recog.

Upload Documents

View Associated Doc Attachments

WHAT'S NEW IN CUSTOMER AND SALES QUOTATION?

Ability to view estimated cost in Sale Quotation

Reference: AHBG-22122

Background

While execution of task on the maintenance object, it is required by the commercial personnel to review the estimated cost and approve the same. Until then work execution needs to be on hold.

Also on reviewing the cost, if any of the cost seems to be high, Commercial role may propose the production team to reduce the cost. For example, if any of estimated material cost is too high, sales person will suggest the purchase team to check for the lowest price in market and purchase the part.

Therefore, the need is to create a provision for the commercials personnel to review the estimated cost of the job at each entity level that is Materials, Resources, External Repair and Additional Charges before executing work on the maintenance object.

Change Details

- The existing **Assessment Info** section in the **Manage Sale Quote** activity of the **Service Sale Quote** business component has been enhanced to display the cost for all the estimated entities that is Materials, Resources, External repair and Additional Charges.
- Set options, at organization level has been introduced in the **Set Process Parameters** activity of the **Sale Quotation** business component to determine the source for computing the material cost whether it is Standard Cost available in the Part master or rate available in the Price list.

Parameter For	Parameter	Parameter Values
Sale Quotation	Source for Estimated materials cost computation	Enter: <ul style="list-style-type: none"> '0' for 'Standard Cost' '1' for 'Pricelist based'
Sale Quotation	Source Pricelist for Estimated materials cost computation	Enter: <ul style="list-style-type: none"> '0' for Max. Price '1' for Min. Price or specify valid pricelist of type Ref. catalog / OEM in Active status

- Based on the set options, computation of the estimated cost of materials is as per the rate available in the Pricelist (Ref. catalog, OEM pricelist)
- Resource costing and External Repairs cost will continue to get computed based on skill based costs and the RO cost.

WHAT'S NEW IN SALE QUOTATION?

Visibility of parts and resources of a fixed price task in Sale Quotation

Reference: AHFG-11112

Background

Generally a quote or an invoice will show only the Parts/Resources that are priced under T&M basis and anything that is included within the FP will not be shown. However, some MROs process all their Quotes and Invoices to check if these included Parts/Resources can actually be exempted or if they need to be priced separately. If any part is of a high value, the commercials team makes the decision to price this Part as per the actual rate and makes the change in Quote or Invoice directly.

The requirement is to view Materials / Resources estimated for the contracted tasks that are running under Fixed Pricing basis during quote generation so that the commercial person can review if any additional material / resources are estimated against FP tasks.

Change Details

- On Sale Quote generation, all the parts and resources that are estimated against the selected Customer Order will come under the Materials and Resources tab irrespective of the Pricing Basis.
- All parts and resources that are included under a Fixed Price task must have their pricing basis as Fixed Price
- The Part/Resource will have Sys. Billable as 'Yes', Billable as 'No' and COA? as 'In-scope'.



Note: To modify the billability, user must manually change the Billable flag to 'Yes' and also mandatorily change COA to Out-of-scope.

WHAT'S NEW IN SERVICE SALE BILLING?

Performance tuning in the search task of the invoice release screen entry page

Reference: AHBG-24155

Background

The search option in the **Service Sale Billing** screen to retrieve the orders eligible for billing currently takes a lot of time. Even a direct CO based search results in a performance issues as it takes more than 2 minutes to get the orders.

Therefore the requirement is to improve performance.

Change Details

Performance improvements to retrieve the customer orders eligible for setting up or processing release as follows:

- The Search options commonly used by Customers are retained while least used options are removed.
- The existing parameters such as Release status has been enhanced to a much intuitive options, such as Open and closed documents rather than the actual status of the document.
- Invoice release readiness can now be used to broadly filter orders for which Invoice release has already been setup and the ones for which Invoice release has not been set up.
- The primary focus of the changes done was to improve the time duration within which the search results would be retrieved.

Exhibit 1:

Select Customer Order - Services page in the **Service Sale Billing** business component

The screenshot shows the 'Select Customer Order - Services' window. It includes a 'Search Criteria' section with various dropdown menus and a 'Search' button. Below the search criteria is a 'Process Invoice' section with a table of results.

#	Error Log	Inv. Rel. #	Event Compl.?	Exe. Doc. #	Execution Status	Customer #	Cust. Order #	Cust. PO #	Sale Type
1									
2									

Ability to enter invoice release directly in the manage invoice release

Reference: AHBG-23125

Background

Some MROs process large number of Invoice Releases in a given month. In order to review each order in detail one by one, the user would have to traverse between the **Process Invoice** and **Manage Invoice Release** screens repetitively. This could cause loss in efficiency. Thus, in order to improve the efficiency and also to enhance the user experience, the Invoice Release # within the **Manage Invoice Release** screen has been made editable such that the user can change the document number and review them without having to traverse back and forth.

Change Details

- Customer Order # field in the header of the **Manage Invoice Release** screen has been modified to editable field and provided with Smart Search functionality
- The Release # is provided in a drop-down since there could be multiple releases against the same Customer Order in various statuses.
- User can select the Release # for review.
- Based on the Release # selected in the drop down, the details of the screen will be refreshed.

User will be able to generate a Summary Report from the **Process Invoice** screen to review the rates at Task level for every Customer Order / Release. The report will help in analyzing the details before entering into the **Manage Invoice Release** screen and it will also help identify the documents which need more detailed analysis on screen. The user will be able to type out the Customer Order # with the report as the reference.

Exhibit 1:

Manage Invoice Release screen

Manage Invoice Release

Release Main Info.

Cust. Order # / Rel. # **CO-007670-2015** **1**

Customer # 40007

Inv. Rel. Readiness Ready To Bill

Customer Name Customer 8

Release Status Confirmed

Currency USD

Total Value 14,600.00

Customer Order # has been made editable with UI and Smart Search functionality'

Release # field with combo UI task

Exe. Doc. Info.

Reg. Billing Info.

Invoice Type Regular

Invoice Category Final

Invoice Basis Quote

Billing Rep. 00041383

Proj. Inv. Rel. Date

Event Description

Inv. Rel. Date 27-Jan-2015

User Status

Rel. Remarks

Cust. PO # 111

Re-pro. Remarks Bank

Warranty Details

Warranty Requested No

Warranty Notes

Under Warranty ? Not Evaluated

Warranty Inst. #

Warranty Res.

Current Ref. Details

Exhibit 2:

Select Customer Order - Services screen in the **Service Sale Billing** business component

Select Customer Order - Services

Order Based

Customer Based

Work Center

COA Exists?

Release Status Fresh

Sale Type

Cust. Service Rep.

Invoice Basis

CO Currency

Execution Status

Maint. Object

Addl. Search

Date from/ to

Age from/ to

Search

Process Invoice

#	Error Log	Inv. Rel. #	Event Compl.?	Exe. Doc. #	Execution Status	Customer #	Cust. Order #	Cust. PO #	Sale Type
1		1	Yes	CWO-000618-2012	Closed	400007	CO-001047-2012	CPO-111333-2012	T & M
2		1	Yes	AFRO-001453-2012	Closed	401288	CO-003724-2012	TY-C2182	PBH
3		2	Yes	CWO-008601-2015	Closed	400007	CO-007691-2015	00001413	FP
4		1	Yes	AFRO-002914-2017	Closed	400006	CO-007839-2017	5678	T & M
5		1	Yes	AWO-000043-2017	Closed	400604	CO-008076-2017	5678	T & M
6		1	Yes	VP-006033-2018	Closed	400604	CO-008287-2018		PBH
7		1	Yes	VP-006034-2018	Closed	400604	CO-008289-2018		PBH
8		1	Yes	VP-006803-2018	Closed	400007	CO-008340-2018	123	T & M
9		1	Yes	VP-007367-2018	Closed	400604	CO-008360-2018		PBH
10		1	No	AWO-000072-2018	Not Closed		CO-008373-2018	Great	T & M

Update Cust. PO #

Link to Summary Report

CO based Inv. Release - Summary Report

Ability to cancel Milestone and Invoice Release in Process Invoice screen

Reference: AHBG-23600

Background

Many of the MROs are pricing a fixed amount on monthly basis for the services provided or the monthly billing is done based on the usage of the Maintenance Object. In such cases, Invoice Releases will be generated in order to verify the existence of any out of scope job that needs to be billed separately other than the monthly billing. If there is no existence of out of scope jobs / exclusions, then the respective release will not be processed further for Invoice creation.

Hence provision is required to cancel the milestone for the Customer Orders which need not be invoiced to the customer. This enhancement facilitates the cancelation of milestone as well as Invoice Release in the 'Process Invoice' screen.

Change Details

Service Sale Billing

- A new drop-down field 'Cancel' is added in the 'Process Invoice' section of the **Process Invoice** screen. The system lists the options 'Cancel Milestone' and 'Cancel Release'.
 - On click of 'Cancel Milestone', the selected Customer Order's Billing milestone gets cancelled and gets removed from the multiline, which means that the user will no longer be able to process a systematic Invoice Release for the same document
 - On click of 'Cancel Release', the generated release gets cancelled and a new release will be generated if the invoice release is set as automatic in Contract.

Exhibit 1:

Identifies the **Process Invoice** screen in the **Service Sale Billing** business component

Ramco Aviation Solution

Ability to view/modify Billing Element for Direct Rel. Info in CO based Invoice Release

Reference: AHFG-10476

Background

While Billing a customer job, Tasks can be categorized into groups of Billing Elements which would indicate the purpose of billing. Billing Elements are also required while raising a Direct Invoice release where Task may not be known but the billing can still be done for a certain purpose which could be correlated with the Billing Element.

This enhancement enables provision to select a Billing Element against billable rates for a Direct Invoice Release under the 'Direct Rel. Info' tab. Billable values can be provided against the Billing Elements. The release level Billing Element will be updated with the selected value as in case of Regular Invoice Release.

Change Details

Service Sale Billing

- A new drop-down field 'Billing Element' has been added in the 'Direct Release Details' multiline of the 'Direct Rel. Info.' tab in the **Manage Invoice Release** screen. The system displays all the active Billing Elements as defined in the **Maintain Category Codes** activity of the **Category** business component.



Note: On click of 'Save', if there are multiple lines in the multiline with same Billing Element, the system updates the Billing Element in the Release header with the same value. If there are multiple Billing Elements, the system updates the header Billing Element with value 'Multiple'.

Exhibit 1:

Identifies the **Manage Invoice Release** screen in the **Service Sale Billing** business component

Manage Invoice Release

Release Main Info.

Cust. Order # / Rel. #	Inv. Rel. Readiness	Release Status
Customer #	Customer Name	Currency
Sale Type / Pricing Basis	Pend. Rel. Exists?	Total Value
Basic Value	Order Level TCDs	
Exchange Rate	Total Value (Base Curr.)	
Bill To Customer	Ship To Customer	

Exe. Doc. Info.

Reg. Billing Info. Actuals Info. Materials Resources Ext. Services CO Prepayment Info. **Direct Rel. Info.** NTE Price & Exceedance Addl. Charge

Release Details

Invoice Type Regular Invoice Category Invoice Rel. Date 28-08-2018
 Invoice Basis Billing Rep. 00041383 User Status
 Proj. Inv. Rel. Date Re-pro. Remarks Rel. Remarks

Direct Release Summary

Material Price Labour Price Oth. Res. Price
 Charges Ext. Services Basic Value

Direct Release Details

[No records to display]

#	Pricing Description	Billing Element	Material Price	Labour Price	Oth. Res. Price
1					

Save Direct Rel. Info.

Update Rel. Readiness Confirm Process Evaluate Invoice Cancel

[View Accounting Info. for Rev. Recog.](#) [Upload Documents](#) [View Associated Doc Attachments](#)

Record Statistics

Created by	Created Date
Last Modified by	Last Modified Date
Confirmed by	Confirmed Date
Processed by	Processed Date

WHAT'S NEW IN CUSTOMER INVOICE?

Ability to restrict cost booking on recording additional charges in Customer Order

Reference: AHBG-21965

Background

Expenses incurred during maintenance of an aircraft, for example Freight Expense, Travel Expense and so on needs to be billed to the customer; however vendors send the actual invoice for such expenses only at a later date. Therefore the requirement is to enable the users to record the maintenance expenses as and when required.

Change Details

- Access rights have been provided to the **Record Additional Charges** screen in the **Manage Invoice Release** activity of the **Service Sale Billing** business component to enable the users to record the Travel expense, Freight charges and so on whenever they are required to do so.
- Provision has been made to avoid double booking while recording these additional charges. That is, on receiving the expense invoice from vendors, the Finance Team will record the expense invoice with reference of CO / AME / SWO documents. Hence cost booking will be done to the respective COSR account. In case where the additional charges are added by users, the cost booking will be done again which will lead to double cost booking.
- A new set option at organization level has been added for the parameter 'Customer Order – Services' in the **Set Sales Process Parameters** screen of the **Customer** business component to specify if the cost booking is required or not on recording the additional charges at customer order level.

Process Parameter	Permitted Values
Cost booking on recording additional charges	Specify '0' for 'Required' and '1' for 'Not Required'



Note: If the set option 'Cost booking on recording additional charges' is set as 'Not Required' then the system treats the additional charges added against the Customer Order as normal TCD and cost booking will not be done for the same based on the accounting usage selected.

However, if this option is set as 'Required', the system retains the existing behavior, that is cost booking will be done for the additional charges available at Customer Order level based on the accounting usage selected.

Exhibit 1:

Set Process Parameters activity in the **Customer** business component

Set Sales Process Parameters

Select Parameter Details

Display Parameters for: All

Process Parameter List

#	Parameter for	Process Parameter	Permitted Values	Value	Value Selected
89	Service Sale Billing	Default Invoice Category for Direct Invoice	Specify a valid Invoice Category defined in	Final	
90	Customer Order - Services	Cost booking on recording additional charges	Specify '0' for 'Required' and '1' for 'Not	1	
91	Sale Quotation	Source for Estimated materials cost	Specify '0' for 'Standard Cost' and '1' for		
92	Sale Quotation	Source : Source Pricelist for Estimated	Specify '0' for Max. Price, '1' for Min. Price or		
93					

Set Process Parameters

Newly added set option component to specify if cost booking is required or not on recording the additional charges at customer order level

Exhibit 2:

Additional Charges tab page in the **Manage Invoice Release** activity of the **Service Sale Billing** business component

Manage Invoice Release

RamcoRole - RAMCO OU

Release Main Info.

Exe. Doc. Info.

CO-000009-2011

Current Ref. Details

CO # CO-000009-2011 Exe. Doc. Type SWO Exe. Doc. # CWO-000006-2011

Charges Summary

SPL # / Rev. # Billable Task Chrgs. Billable CO Chrgs.

Revision Info.

Search Filters

Get Latest Info. Count 0 View Option Billing Info Search by Search

Charges Pricing Details

[No records to display]

#	I	Rev. Ind.	Price Disp.	Charge Level	Exe. Doc. Type	Exe. Doc. #	Parent WO #	Task #	Task Seq
1									

Save Addl. Charges

Access right provided

Update Rel. Readiness View Accounting Info. for Rev. Recog. Confirm Process Evaluate Invoice Cancel View Associated Doc Attachments

Record Statistics

WHAT'S NEW IN TIME TRACKER?

Ability to report timesheet in multiple stations based on parameter

Reference: AHBG-14538

Background

Time Tracker is an interface which facilitates an employee to record attendance / timesheet for the tasks performed on a day- to-day basis. The employee can also raise time off requests as required.

Some MRO organizations have their base in multiple locations where planning of work is done in one location and execution happens in other locations. In such cases, the requirement is for the organization to maintain the time sheet for all the employees in the time zone of the Main Base Location instead of maintaining it in the respective Work Station time zones.

On the other hand, some organizations maintain the employee time sheet in the time zone of the respective work location, wherein the supervisor authorizes the time sheet / attendance records based on the Work Station in which the employee has reported time

Change Details

New Set Options have been added in **Set Process Parameters** activity of the Time Tracking Setup business component. This set option enables the user to specify whether the time sheet records are to be maintained in respective Work Station timings or the time zone of the Main Base Station.

If time sheet needs to be maintained in the time zone of Base Station, then the respective Base Station must be specified in the **Time Management** master as mentioned in Exhibit 1 below.



Note: If the default Base Station is specified, then the time difference between default Base Station specified and time zone of the location where the system is operates i.e., System / OU time zone in the application must be '0'

Exhibit 1:

Set Process Parameters activity in the **Time Tracking Setup business** component of the **Time Tracker** business process

★ Set Process Parameters

RamcoRole - RAMCO OU

Select Parameter Details

Parameters for Common

Status Active

Process Parameter List

#	Process Parameter	Permitted Values	Value	Value Selected	Status
9	Allow timeoff request entries spanning across dates	Specify "0" for 'No' and "1" for 'Yes'	0	No	Defined
10	Manage Attendance Reporting/Approval within T&A System	Specify "0" for 'No' and "1" for 'Yes'	1	Yes	Defined
11	Allow Modifications to Approved Time Off Records	Specify "0" for 'No' , "1" for 'Yes' and "2" for 'Not	0	No	Defined
12	Bar Code based login into T&A system	Specify "0" for 'No' , "1" for 'Yes'	1	Yes	Defined
13	Enable Clock your time - Multiple Time bookings?	Specify "0" for 'No' , "1" for 'Yes'	0	No	Defined
14	Time records approval by alternate authorizer	Specify "0" for "Not Required" , "1" for "Required"	1	Required	Defined
15	Allow attendance reporting by Alternate authorizer beyond	Specify "0" for 'No' and "1" for 'Yes'	1	Yes	Defined
16	Duration to be equal with the difference between Start and	Specify "0" for 'Not Required' and "1" for 'Required'	0	Not Required	Defined
17	Station based time reporting required	Specify "0" for 'No' and "1" for 'Yes'	1		Defined
18	Default Base Station	Specify Default Base Station			Defined

Set Process Parameters

Set Options to specify if the time booking is to be maintained in the time zone of the respective Work Station or to be maintained in the time zone of the Base Station

WHAT'S NEW IN FLIGHT CONTRACT/FLIGHT INVOICE RELEASE?

Provision to view flight contract without the access to revise or edit

Reference: AHBG-23200

Background

While generating Flight Invoice Release / Flight Invoice financial users in an MRO are required to view the Flight Contract and verify the price / rates without access to revising or editing the contract.

However, restricting the access to revise or edit a Flight Contract is based on the user role logged. If the user who has logged in does not have the **Manage Flight Contract** activity mapped, then such user will be able to view only the contract. Any modifications or revisions of the contract will be restricted.

Some finance managers or executives do not have the access to Flight Billing but they want to review or analyse the contractual terms and conditions. In such cases, the requirement is for a provision to have a new view screen which can be mapped to such users, without providing access to revise or edit the contract.

Change Details

A new activity **View Heli Charter Contracts** in the **Flight Contract** business component under the **Flight Operations** business process has been added to enable the user to access flight contract without the ability to either revise or edit the contract.

In the select page of the **Manage Flight Invoice Released** activity of the **Flight Billing** business component, the Contract column in the multiline is hyperlinked to the newly added **View Heli Charter Contract** page.



Note: The Contract hyperlink is available for Pending Confirmation, Pending Invoicing, and Invoice Releases

In the **Authorize Invoice** activity of the **Customer Debit Invoice** business Component, the Contract column in the multiline launches the newly added **View Flight Contract** activity

Exhibit 1:

View Heli Charger Contracts activity in the **Flight Contract** business component

View Heli Charter Contracts

Contract # General-Cont 0

Create Contract Modify/View Contract

Main Info. **Aircraft Details** **Aircraft Crew Info.**

Contract Info.

Contract Type Customer Specific

Contract Date 01-04-2018

Effective from 01-04-2018

Charter Type Regular

Rev. Assign. Unit AVE05

Billing Currency CAD

Terms of Extension

Contract Category

Commencement Date 01-04-2018

Effective to

User Status

Cost Center 1100

Charter Category Dry

Return Remarks

Status Revised

Completion Date 01-04-2019

Revision Comments

Cust. Service Rep. 00041383

Analysis / Sub Analysis AA01

Contract Scope Rent of B777 aircrafts

Customer Info.

Customer # 400604

Customer Name Customer 38

Customer Call Sign FLT

Contact Person

Email

Phone # 52 55 52 61 6400

Cust. Contract # / Rev.# 90290 / 0

Cust. Contract Rev. Date

Revision Notes

Revision Details

Revision Effective from

Revision Comments

[Edit Pricing & Invoicing Info.](#) [Edit Additional Info.](#) [Upload Documents](#) [View Associated Docs.](#)

[Record Statistics](#)

Exhibit 2:

View Heli Charger Contracts activity in the **Flight Contract** business component

View Heli Charter Contracts

Contract # General-Cont 0

Create Contract Modify/View Contract

Main Info. **Aircraft Details** **Aircraft Crew Info.**

#	Line #	Aircraft Model #	Aircraft Reg. #	Nos.	A/c Assign. Type	Effective from	Effective to	Coverage Notes	Primary Field Base	Field Base
1	1		3B-NAU	1.00	Exclusive	01-04-2018	12-06-2018		AIR	AIR IND
2	2		3B-NBD	1.00	Exclusive	28-04-2018	12-05-2018		AIR	AIR IND
3	3		3B-NBE	1.00	Adhoc Flying	12-05-2018	12-06-2018		AIR	AIR IND
4										

[Edit Pricing & Invoicing Info.](#) [Edit Additional Info.](#) [Upload Documents](#) [View Associated Docs.](#)

[Record Statistics](#)

Exhibit 3:

Aircraft Crew Info. tab in the **View Heli Charger Contracts** activity in the **Flight Contract** business component

View Heli Charter Contracts

Contract Details

Contract # General-Cont 0

Create Contract

Modify/View Contract

Get

Main Info.

Aircraft Details

Aircraft Crew Info.

Defn. at

Aircraft Crew Info.

[No records to display]

#

Defn. at

Line #

Aircraft Model #

Aircraft Reg. #

Crew Type

Nos.

Crew Assign. Type

Crew Specs.

Charge Basis

Currency

1

CAD

Edit Pricing & Invoicing Info.

Edit Additional Info.

Upload Documents

View Associated Docs.

Record Statistics

Ability to add per day fixed charges in Flight Contract

Reference: AHBG-23225

Background

Sometimes, Heli Charter operators may have some adhoc customers for specific periods of time for whom the aircrafts would be operated for a shorter span of time (Less than a month). In such case, Heli operators charge a fixed rate for each aircraft on a per day basis. These fixed charges are billed to the customer either in the beginning/end of the effectivity of each Line #.

Hence the requirement is to be able to add fixed per day charges in the contract and also to bill respective fixed charges either in the beginning of the effectivity of the particular Line #.

Change Details

Currently, though, the system supports the definition of different aircrafts in single contracts as Line #, the Billing Heads are charged with respect to the effectivity of the Contract and not that of Line #. So in case the Line # is applicable only for shorter period (say less than a month), the billing heads to be calculated and charged based on the period for which the aircraft is effective.

The proposed approach is to introduce a value to identify the Line # effectivity as the Billing Horizon.

Invoicing milestones to be defined at the beginning of Contract/Line #.

1. A new unit 'Per Day' has been added under the 'Unit' column in the Billing Heads Info. multiline of the **Manage Billing Heads** activity, so that fixed charges can be created with unit as per day.
2. Addition of new value 'Line # Effectivity' against the parameter 'Billing horizon for Invoicing' under the 'Parameter' tab which facilitates to identify the effectivity of Line # as Billing Horizon and in the downstream, this definition would facilitate to generate bill either in the beginning or end of effectivity of each Line #.
3. The option 'Begn. Of Contract' has been renamed as "Begn. of Contract/Line #" in the 'Inv. Milestone' column in the **Invoice Basis** tab in the **Edit Pricing & Invoicing** link page of the **Manage Flight Contract** activity. Similarly, End of Contract has been renamed to "End of Contract/Line #"

Exhibit 1:

Manage Billing Heads activity of the **Flight Operations Setup** business component.

★ Manage Billing Heads

Manage View

Define Billing Head for

Invoicing Element Fixed Charges Charge for

Search Criteria

Billing Heads Info.

#	Billing Head	Description	Charge Type	Unit	Status	Created by	Created Date	Last Modified by	Last Modified Date
1	Demob Fee	Demobilization Fee	Fixed Amount	One Time	Active	DMUSER	22/12/2013		
2	Exclusive Fee	Exclusive Fee	Std. Rate	Per Month	Active	DMUSER	03/06/2014		
3	Fixed Monthly	Fixed Monthly Charges	Std. Rate	Per Month	Active	DMUSER	27/09/2017		
4	Mob Fee	Mobilization Fee	Fixed Amount	One Time	Active	DMUSER	22/12/2013	DMUSER	22/12/2013
5	Mobili Fees	M Fees	Fixed Amount	One Time	Active	DMUSER	22/12/2013	DMUSER	22/12/2013
6	Mobilization fee	Mobilization fee	Fixed Amount	One Time	Active	DMUSER	22/12/2013	DMUSER	22/12/2013
7	Per day charges	per day charges	Std. Rate	Per Day	Active	DMUSER	25/07/2018		

A new unit 'Per Day' has been added for Billing Heads of Invoice Type 'Fixed Charges'

Save Billing Heads

Exhibit 2:

Edit Pricing and Invoicing Info. link in the Manage Flight Contract activity of the Flight Contract business component

★ Edit Pricing & Invoicing Info.

Contract Main Details

Contract # / Rev. # ABTI-537/0 Contract Type Customer Specific Status Approved

Charter Type Regular Effective from 01-01-2017 Effective to

Parameters Inv. Basis Inv. Rates Usage Rates - Slab Based Crew Charges Non-Billable Elements T/C/D Bill to Customer

Defn. at / Line #

#	Defn. at	Line #	Billing Head	Billing Category	Inv. Milestone	Pay Term	Status	Charge for	Charge Type	Unit
1			Adhoc Flying Hours		End of Billing Horizon	MONTHLY	Active	Usage	Std. Rate	Per Flight Hour
2			Mobilization Fee		Begin. of Contract/Line#	MONTHLY	Active		Fixed Amount	One Time
3							Active			

'Beginning of Contract' option renamed as 'Beginning of Contract / Line #'

Save Inv. Basis

Confirm Cancel

Ability to manage contract milestones at Item # level instead of the contract effectivity period

Reference: AHBG-23029

Background

Flight Operators sometimes agree with their customers to operate multiple aircrafts (Line # in Flight Contract) at different periods of time. There are some cases where such contract is revised in which the effective period of some of the aircrafts (Line #) needs to be extended or reduced. Based on the revised effective period, billing milestone of the respective aircrafts is also required to be revised.

Currently, however, modifying the effectivity of an existing Line # with revision effective from a date later than the "effective from" of the Line # is not allowed.

Therefore the requirement is to provide flexibility to adjust the effective period of aircrafts (Line #) in contract and modify the billing milestone based on the new effective period.

Change Details

Provision has been given so that the Effectivity at Line # can be modified provided the modified date be within the Contract Effective period

Exhibit 1:

Aircraft Details tab page in the **Manage Flight Contract** activity of the **Flight Contract** business component

#	Aircraft Reg. #	Nos.	A/c Assign. Type	Effective from	Effective to	Coverage Notes	Primary Field Base	Field Base Desc.	Subst. Allowed?	Primary Subst. Mod
1	VT-87	1.00	Adhoc Flying	01/01/2016	31/07/2018				No	
2	VT-MIA	1.00	Adhoc Flying	01/01/2016	31/12/2018				No	
3	VT-RT1	1.00	Adhoc Flying	01/01/2016	31/12/2018				No	
4										

Effectivity at line # can be modified



Note: The effectivity at Line # can be modified in the later revisions irrespective of the Revision effectivity period provided it is within the contract period.

WHAT'S NEW IN FLIGHT BILLING?

Provision to retain Flight Sheet in confirmed status on release cancellation

Reference: AHBG-23009

Background

During Flight Billing process, some MROs follow a method eliminating manual intervention, in which the Flight Sheets is generated automatically from the EFB. Currently, however, on cancellation of Invoice Release, the Flight Sheet will get to 'Fresh' status in order to enable the user to make the required changes as a result of which the Flight Invoice release has been cancelled.

The requirement is for a provision in case of such cancellation of Invoice Release, wherein the Flight Sheet must be retained in "Confirmed" status instead of "Fresh" status.

Change Details

All the Flight sheets related to the Invoices Releases that are cancelled will be retained in 'Confirmed ' status and the related milestones automatically populated. Thus the user can generate a new Invoice Release as required.

Ability to view the FH and No. of trips in the invoice release search page

Reference: AGHX-230

Background

The **Flight Billing** activity facilitates an organization in generating bills to the customer for the flights operated as per customer request according to the agreed Contract. Also this screen categorizes and represents the billing information of each milestone like for example, Fixed Monthly Charges, Flying Hourly Charges etc., into different buckets such as Pending Setup, Under Processing, Pending Confirmation, Pending Invoicing, Invoiced Releases and Cancelled Releases. This information facilitates the commercial user to understand the billing status of each billing element that is due for billing.

Change Details

Currently, Billing Elements that are operational in nature, that is, elements that are billed based on the input from Flight Sheet such as Flight Hours, No. of trips etc., does not have visibility to the information like, Billable / Non-billable quantity from Flight Sheet pertaining to the respective Billing Element for the particular billing period before release generation.

In order to provide visibility about the Billable / Non-billable quantity corresponding to the respective Billing Elements that are basis for the billing generation, new columns like Qty - Billable, Qty- Non billable and Unit have been added in the entry screen of Flight Billing which would be reviewed before generation of billing for the Billing Element. This information would be visible only before release generation, that is, when the Billing Element is eligible for billing and falls under the 'Pending Setup' category.



Note: The new column added would be visible only for the Billing Elements that depend on the input from Flight Sheet to proceed with billing. For other Billing Elements that are not dependent on the usage like for example., Mobilization Fee, Monthly Fixed Charges and so on, the details will not be available and the respective columns will be displayed as 'blank'.

Exhibit 1:

Flight Billing entry screen in the **Flight Operations** business process

Visibility to Billable / Non Billable Quantity and its unit in Flight Billing

Provision to view summary of Billable/Non-Billable quantity

Reference: AHBG-23197

Background

Currently in Flight Billing, the Billable and Non-billable quantities can be viewed before the generation of the Invoice Release under each of the billing heads. However, once an Invoice Release is generated, there is no provision to view the entire Billable/Non-billable quantity against each billing head, therefore the user has to visit the Flight Sheet Reference export and calculate manually.

The requirement is to create a provision to view the summary of the Billable and Non-billable quantities against each billing head.

Change Details

Three new columns, 'Unit', 'Quantity-Billable', and 'Quantity- Non Billable' have been introduced in the multiline of the **Main Info.** tab in the **Manage Flight Invoice Release** activity under the **Flight Billing** business component to display the details of the quantity and unit against the respective Billing Heads.

Exhibit 1:

Main Info. tab in the **Manage Flight Invoice Release** activity of the **Flight Billing** business component

Manage Flight Invoice Release

Release Main Info.

Inv. Release # FIR-000014-2013 Billing Horizon Multiple Release Status Confirmed
 Customer # 400007 Customer Name Customer 8 Contract # / Line # GFC
 Charter Type Regular Charter Category Dry Billing Currency USD
 Rel. Value (Billing Curr.) 5,000.00 Exchange Rate Rel. Value (Base Curr.)

Main Info. | Fixed Charges | Operating Charges | Crew Charges | Other Charges | Flight Sheet Ref. | Fuel Uplift Ref. | Charge Back Ref. | Exceptions

Release Info.

Inv. Rel. Date 08/08/2016 Inv. Category INV01 User Status
 Rev.Assign.Unit AVEOS Billing Rep. 00001718 Bill to Customer 400007
 Release Remarks Pay Term N030D000_00.0

Billing Summary

#	Inv. Element	Pricing Currency	Unit	Qty-Billable	Qty-Non Billable	Amount	Amount (Billing Curr.)	Avg. Exch. Rate
1	Fixed Charges	USD	One Time	0.00	0.00	2,000.00	2,000.00	1.00
2	Fixed Charges	USD	One Time	0.00	0.00	3,000.00	3,000.00	1.00
3								

Re-apply Price ☐ Save Main Info

Ignore Pricing Exceptions ☐ Confirm Cancel Upload Documents View Associated Documents

Record Statistics

Three new columns 'Unit', Qty-Billable', and 'Qty-Non Billable'

WHAT'S NEW IN PART SALE ORDER?

Ability to modify the Part # with its alternate in Sale Order

Reference: APHE-599

Background

With respect to Sale Orders, PO is placed to the vendor, in turn the vendor verifies the PO availability for delivery. However when a requested Part # is not available, the vendor delivers an alternate Part.

The requirement therefore for such cases, is a provision to amend the sale order with the alternate Part # even after the Part Sale Order is processed.

Change Details

Manage Part Sale Order activity > Part Sale Order business component

- Provision has been made to allow modification of the Part # with its alternate Part # in the processed Sale Order with 'Regular Purchase' or 'Dropship' as the sourcing type.
- The alternate part provided in sale order will be validated with the Alternate Part definitions in the Part Master.
- On creation, the system displays the modified Part # in the Part Sale Invoice



Note: The demand documents such as MR, PR, PO generated for the original Part # will remain unaffected even after the modification of Part # in Sale order.

Record Shipping Note activity > Stock Issue business component

Part Sale Invoice generation on Issue / Shipping note Confirmation

- On generation of a Part Sale Invoice, the system retrieves the Part # from the Part Sale Order
- The system displays the Part # modified in the Part Sale Order in the Part Sale Invoice

WHAT'S NEW IN PART SALE CONSIGNMENT?

Ability to generate Consignment Part Sale Order, Consumption Reporting and manual invoice generation

Reference: AHBG-20892

Background

In certain business scenarios, MRO keeps their stock in customer's location / warehouse and on consumption of the respective parts, bill is raised to the customer based on the consumption report shared by them. Provision is required to generate Consignment Sale Order and record invoice against respective Sale Order. This enhancement facilitates the user to maintain separate Part Pricelist # for consignment sales at each customer level and allows generating sale order. Also, provision is given to generate invoice manually based on Part Sale Order along with reference of Consignment Report. The enhancement supports the following features:

- Ability to maintain separate Part Pricelist # for consignment sales at each customer level.
- Ability to generate Consignment Part Sale Order.
- Ability to record the consumption report against the Consignment Sale Order based on customer input.
- Provision to generate invoice manually based on Part Sale Order along with reference of Consignment Report.

Change Details

1. MANAGING CUSTOMER PART SALE PROGRAMS FOR CONSIGNMENT SALES

Common Master

A new option 'Part Sale Program Type' is added under the Entity Type 'Part Sale Type' in the **Set Process Parameters** screen of the **Common Master** business component. The value of the parameter can set as either '0' or '1' to set the Part Sale Type as 'Regular Sales' or 'Consignment Sales' respectively.

Exhibit 1: Identifies the set option in **Set Process Parameters** screen

Consignment Sale Type

Entity

Part Sale Type

Record Status: Active

Process Parameters Defined? Yes

#	Process Parameter	Permitted Values	Value	Status	Error Mess
1	Numbering Type for the Material Request	Enter a valid Document Numbering Type defined in Document Numbering class	AMR	Defined	
2	Order Value Billable?	Enter "0" for 'No', "1" for 'Yes'.	1	Defined	
3	Part Sale Program Type	Enter "0" for 'Regular Sales', "1" for 'Consignment Sales'	1	Defined	
4	Numbering Type for the Sale Order Issue	Enter a valid Document Numbering Type defined in Document Numbering class	AGIS	Defined	
5	Numbering Type for the Sale Order based Purchase Request	Enter a valid Document Numbering Type defined in Document Numbering class	APR	Defined	
6	Numbering Type for the Sale Order based Purchase Order	Enter a valid Document Numbering Type defined in Document Numbering class	EDIPO	Defined	
7	Auto Material Issue option	Enter "0" for 'Line Level', "1" for 'Line Level'	1	Defined	
8	Status of automatically generated Purchase Order?	Enter "0" for 'Not Authorized', "1" for 'Authorized'	1	Defined	
9					

The sale type is consignment or regular sales is mentioned here

Customer

A new screen **Manage Customer Part Sale Parameters** is added as a link in the Select screen of the **Edit Customer Record** activity in the **Customer** business component. See **Exhibit 2**.

Exhibit 2: Identifies the link addition in **Select Customer** screen

Select Customer

Search Criteria

Customer #
 Reference Status: **Active**
 Parent Customer Code
 Customer Account Group
 Address

Customer Name
 Operational Status: **Active**
 Supplier #
 Operator #
 Delivery Area #

Search Results

#	Customer #	Customer Name	Customer Account Group	Address	Operator #
1	IO37	AVIATION CUSTOMER 2	TRADE		
2	CUST-000001-2015	Customer 205	TRADE		
3	400007	Customer 8	TRADE		AC
4	CUST-000012-2015	CUSTOMERGST	TRADE		AC
5	CUST-000009-2015	NAVEENA	TRADE		
6	PO-CUST-01	PO TEST CUST			AC
7	PO-CUST-02	PO-CUST-02			AC
8	CUST-000024-2015	TESTING CO C			OC
9	CUST-000019-2015	TETS			AC
10	CUST-000020-2015	TETST1	TRADE		AC

[Edit Payment Receipt Details](#)
[Edit Customer Main Information](#)
[Maintain Entity Level Identification Ref.](#)

[Edit Commercial Details](#)
[Edit Part Supplied by Customer](#)
[Manage Customer Part Sale Parameters](#)

[Edit Sales Point Details](#)
[Manage Additional Options](#)

- i. The **Manage Customer Part Sale Parameters** screen enables to map the Customer # to the consignment part sale type and the part price list. Refer **Exhibit 3**.
- ii. Entity Type is defined as 'Consignment Sales'.
- iii. The Part Sale Program Type defined as 'Consignment' in the **Set Process Parameters** screen is selected in the 'Part Sale Type' drop-down list box.
- iv. The part price list for the selected consignment sales process is entered against the parameter 'Default Pricelist' in the 'Parameter Details' multiline.

Exhibit 3:

Identifies the **Manage Customer Part Sale Parameters** screen

Manage Customer Part Sale Parameters

Customer # CUST-000025-2015 Customer Name AEROMAN

Entity Type Consignment Sales Part Sale Type BB

Parameter Details

#	Category	Parameter	Permitted Values	Value	Error Message	Created by	Created Date
1	Pricing	Default Pricelist	Specify a valid & active Part Pricelist	amp-002		DMUSER	01-25-2018
2	Pricing	Reference Date for Pricing	Enter "0" for "Order Date", "1" for "Invoice"	0		DMUSER	01-25-2018
3	Pricing	Reference Date for Exchange Rate Conversions	Enter "0" for "Order Date", "1" for "Invoice"	0		DMUSER	01-25-2018
4							

Save

2. CONSIGNMENT PART SALE ORDER GENERATION

Storage Administration

When a consignment part sale order is created and processed there has to be some mapping done at the sale order level to make the process streamlined and linear. There is a mapping between the customer #, sale type and the part price list to fetch the part price list when the appropriate sale type and customer # is selected in the Part Sale Order screen. In the Part Sale Order, the value for the Source can only be selected as 'Regular Procurement' if the Part Sale Type selected is a Consignment sale. Also, the Warehouse # in the Part Sale Order is validated to be mapped to the Customer. The following parameters have been added to define the Warehouse # - Customer # mapping.

- i. The **Set Warehouse Process Parameters** screen in the **Storage Administration** business component, enables mapping customer to the Consignment Warehouse, with the following parameter settings (**Exhibit 4**):
 - 'Customer consignment Warehouse' must be set as '1'.
 - Customer # must be entered against the parameter 'Customer # for the consignment warehouse'.

Exhibit 4:

Identifies the set option for mapping Customer to Consignment Warehouse in **Set Warehouse Process Parameters** screen

Inventory Setup > Storage Administration > Set Warehouse Process Parameters

Set Warehouse Process Parameters

Search Criteria

Warehouse # : AEBBWH

Addl. Search On : Warehouse Type

Search

Parameter Details

#	Warehouse #	Category	Parameter	Permitted Value	Value	Status	Message	Warehouse Description	Storage
17	AEBBWH	Others	Spec 2000 Warehouse #	Enter the value for Spec 2000		Not Defined		Aeroman Bulk Buy Warehouse	SAL
18	AEBBWH	Others	Radius of the Warehouse	Enter the value of the appr. radius		Not Defined		Aeroman Bulk Buy Warehouse	SAL
19	AEBBWH	Others	Stock visibility to Customers	Enter '0' for 'Not Allowed', '1' for		Not Defined		Aeroman Bulk Buy Warehouse	SAL
20	AEBBWH	Replenishment	Default Stock Status for auto-	Enter a valid Internal Stock Status		Not Defined		Aeroman Bulk Buy Warehouse	SAL
21	AEBBWH	WarehouseAnyw	Validate location during Confirmation of Stock Issue	Enter '0' for 'No', '1' for 'Yes'		Not Defined		Aeroman Bulk Buy Warehouse	SAL
22	AEBBWH	WarehouseAnyw	Validate location during Authorization of Stock Transfer	Enter '0' for 'No', '1' for 'Yes'		Not Defined		Aeroman Bulk Buy Warehouse	SAL
23	AEBBWH	WarehouseAnyw	Validate location during Authorization of Stock Correction	Enter '0' for 'No', '1' for 'Yes'		Not Defined		Aeroman Bulk Buy Warehouse	SAL
24	AEBBWH	WarehouseAnyw	Validate location during Cycle Count Recording	Enter '0' for 'No', '1' for 'Yes'		Not Defined		Aeroman Bulk Buy Warehouse	SAL
25	AEBBWH	Customer	Customer Consignment Warehouse?	Enter '0' for 'No', '1' for 'Yes'	1	Defined		Aeroman Bulk Buy Warehouse	SAL
26	AEBBWH	Customer	Customer # for the Consignment Warehouse	Enter a Customer #	cust-000025-2015	Defined		Aeroman Bulk Buy Warehouse	SAL

Parameters for Customer-Warehouse mapping

Save

Manage Part Sale Order

- Part sale type for the Customer # must be selected and Default Pricelist must be specified in the **Manage Customer Part Sale Parameters** screen (Exhibit 3), to maintain the mapping between Customer #, Part Sale Type and Part Price List.
- After the Customer # - Warehouse mapping and Customer # - Part Sale Type - Part Price List, in the Manage Part Sale Order screen, enter the Customer # and select the Part Sale Type. See Exhibit 5.
- The pre-mapped part price list is fetched automatically.
- When the warehouse is entered in the Warehouse # field, the system checks for the mapping present between the consignment warehouse and the customer and validates.

Exhibit 5:

Identifies the **Manage Part Sale Order** screen

Part Sale Management > Part Sale Order > Manage Part Sale Order

Manage Part Sale Order

Order # : ACPR-000255-18

Revision : 1

Quote # :

Quote Valid till :

Order Type : Direct

Document Status : Approved

Shipping Status :

Invoicing Status :

Order Date : 01-25-2018

Category : 5678

Pricing Ref. Date : Invoice Date

Part Sale Type : BB

Customer PO # : demoPO1

Customer PO Date : 01-25-2018

Customer Detail

Customer # : CUST-000025-2015

Customer Name : AEROMAN

Currency : CAD

Basic Value : Can\$ 0.00

Tax : Can\$ 0.00

Charges : Can\$ 0.00

Discount : Can\$ 0.00

Net Value : Can\$ 0.00

Part Info

Summary View

Pricing Basis : Pricelist

Part Pricelist # : amp-002

#	desc.	Part #	Part Description	Warehouse #	Source	Mfr. Part #	Mfr. #
1		AMP-1495X	DUCT COVER ASSY	AEBBWH	Regular Procurement		
2		AMP-0FV8550A03M03	BEARING	AEBBWH	Regular Procurement		
3		AMP-1495X	LAMP	AEBBWH	Regular Procurement		

3. **REPORTING CONSUMPTION AGAINST A CONSIGNMENT SALE ORDER**

Stock Issue

A new screen **Manage Consignment Consumption Reporting** is introduced in **Stock Issue** business component to record the periodic consumption report against the Part Sale Order based on customer input. Once the consumption information is entered here and confirmed, issue is automatically generated in confirmed status. Therefore the Manage consignment consumption reporting screen is the launch screen for auto issue function.

- i. The **Manage Consignment Consumption Reporting** screen where the consumption data is recorded, has three modes of operation: 'Record', 'Modify' and 'View'.

Record Mode:

- ii. In the 'Record' mode, enter the details such as Reporting Date, Category, Reporting for and Customer # fields at header level. See **Exhibit 6**.
- iii. At multiline level, enter the details of the part which has been reported as consumed by the customer, such as Mft. Lot # / Mfr. Srl. #, consumed Quantity and the Warehouse from which the part was consumed.
- iv. Click the **'Get part sale order ref.'** to view the part sale orders pegged against the part consumed, the pegging mechanism follows **FIFO** logic.
- v. Click the **Save** button is clicked to create the consumption report. At this stage any errors such as part not available, part quantity not present, Mfr. # varying are displayed and the status is shown as error.
- vi. Only on clearing all the validations, the consumption report status changes to 'Fresh' upon saving. Any valid changes can be made in the consumption report when it is in 'Fresh' status.
- vii. Click the **Confirm** button to confirm the consignment consumption report. Upon confirmation, an Unplanned Issue will be generated in Confirmed status to issue the Parts out of Warehouse.
- viii. Once the consignment consumption report is confirmed and issue is generated, no change can be done to revert any material issue or alter any quantity.

Modify & View Mode:

- ix. In 'Modify Mode', the consumption report in the 'Fresh' status can be modified. See **Exhibit 7**.
- x. In 'View Mode', the consignment consumption reports that are created and either in 'Fresh' or 'Confirmed' status can be viewed.
- xi. The part sale orders pegged against the part are displayed in Ref. Details field and the Unplanned issues created after confirmation of consumption report are displayed in the Addl. Ref. Doc. # field.

Exhibit 6:

Identifies the **Manage Consignment Consumption Reporting** screen in 'Record' mode

Manage Consignment Consumption Reporting

Consumption Report Details

Rep. # CREP000002-2018
Report Date 04-02-2018
Reporting for Customer

User Status
Category test1
Trading Partner # US009
Name TURBO RESOURCES
Status
Cancellation Remarks

Notes

Consumption Details

#	ERR	Part #	Mfr. Srt. #	Mfr. Lot #	Lot #	Quantity	UOM	Part Description	Condition	Stock Status	Warehouse #
1		0-SINBALLSTEEL		mfrlot1		1.000	EA	BALL		AMPBBNG	3PTUR
2										AMPBBGU	

Get Sale Order Ref.

Save Confirm Cancel

Upload Documents View Associated Doc. Attachments

Exhibit 7:

Identifies the **Manage Consignment Consumption Reporting** screen in 'Modify' mode

Manage Consignment Consumption Reporting

Consumption Rep. # CREP0000212018

Go

Record **Modify** View

Consumption Report Details

Rep. # CREP0000212018
Report Date 2018-01-09
Reporting for Customer

User Status status1
Rep. Category test3
Trading Partner # 1145
Name
Status Fresh
Cancellation Remarks

Notes

Remarks

Consumption Details | Preview Billing Summary

#	ERR	Part #	Mfr. Srt. #	Mfr. Lot #	Lot #	Quantity	UOM	Part Description	Condition	Stock Sta
1		AMP-6839		AMP-LOT-005		3.000	EA	LAMP FOR AMP		TOCUSG
2		AMP-0202959-001		AMP-LOT-001		4.000	EA	DUCT COVER ASSY		TOCUSG
3		AMP-1495X		AMP-LOT-003		5.000	EA	LAMP		TOCUSG
4		AMP-1495X		AMP-LOT-004		3.000	EA	LAMP		TOCUSG
5										Accepted

Get Sale Order Ref.

Save Confirm Cancel

Upload Documents View Associated Doc. Attachments

4. GENERATING PART SALE INVOICE AGAINST CONSIGNMENT

Customer Direct Invoice

Once the parts in the part sale order are issued to the customer, the customer has to be invoiced for the parts issued against a consumption report. The part sale invoices are created in draft mode based on the consumption report number or part sale order number as reference. The invoices are grouped according to the consumption report numbers and then processed.

- In the select screen **Select Ref. Doc / Invoice** of the **Manage Pack slip / Bill back Invoice** activity under the **Customer Direct Invoice** business component, an Invoice Type 'Consignment Invoice' is added. See **Exhibit 8**.
- The Ref. Document is selected as 'Part Sale Order' and the respective filters are applied.

- iii. On search, all the unprocessed invoices for a particular consumption report are displayed in the multiline.
- iv. Users can select the invoice generated in 'Draft' status against the part sale order number or the consumption report number and then select **Manage Invoice** link to launch the **Manage Pack slip / Bill back Invoice** screen to process the selected invoices.

Exhibit 8:

Identifies the **Select Ref. Doc / Invoice** screen

Select Ref. Doc/Invoice

Search Criteria

Invoice Type: **Consignment Sales Invt** (Selected)
 Ref. Document: **Part Sale Order** (Selected)
 Addl. Reference:

Search on: [Dropdown]
 Ref. Doc. Date: [Calendar]
 Addl. Ref. Date: [Calendar]

Customer #: [Field]
 Sys. Billable?: [Dropdown]

Search

Search Results

#	Customer #	Ref. Document	Ref. Doc #	Ref. Doc. Date	Addl. Reference	Addl. Ref #	Addl. Ref. Date	Addl. Ref. Currency
1	1145	Part Sale Order	ACPR-000241-18	01-10-2018		CREP0000272018	01-12-2018	CAD
2								

Save

Annotations:

- Select Invoice Type and Ref. Document as mentioned
- Select Manage Invoice link to process selected invoices
- The invoices to be created are listed with respect to Part sale order # and consumption report #.

- v. In the **Manage Pack slip / Bill back Invoice** screen, user can process the invoices selected in the select screen. See **Exhibit 9**.
- vi. The invoice lines in draft are selected, proposed invoice quantity is entered (partial invoicing allowed) and save button is clicked for the creation of the invoice.

Exhibit 9:

Identifies the **Manage Pack slip / Bill back Invoice** screen for processing the selected invoices

Receivables Management > Customer Invoice > Manage Pack slip/Bill back Invoice

Manage Pack slip/Bill back Invoice

Invoice Details

Invoice #

Invoice Type: Consignment Sales Invoice

Status

Invoice Date: 02-01-2018

Numbering Type: 123

Currency: CAD

Finance Book: AVEOS

Comments

Sale Type: AIN

Customer Details

Customer #: 1145

Customer Name: COMPANIA MEXICANA

Bill to Cust. #: 1145

Bill to ID: S-XX-MX-01

Bill to Cust. Name: COMPANIA MEXICANA DE AVIA

Ship to Cust. #: 1145

Ship to ID: S-XX-MX-01

Ship to Cust. Name: COMPANIA MEXICANA DE AVIA

Payment Details

Pay Term: NET45

Anchor Date: 02-01-2018

Receipt Type: CREDIT

Receipt Method: Regular

Cash #

Remit to Company: AVEOS

Remit to Bank

Auto Adjust: No

Price list #: AMP-002

Invoice Value Summary

Basic Value: TCD Value

Freight Amount: Total Inv. Amount

Exchange Rate: 1.00000000

Total Inv. Amount (Base curr.):

Part Info

#	Line #	Ref. Document	Ref. Doc #	Ref. Doc. Date	Ref. Doc. Line #	Billing Element	Part #	Part Description
1		Part Sale Order	ACPR-000241-18	01-10-2018		5 Part Cost	AMP-7588820	FILTER, FILTER
2								

Compute

Draft ☐

Save Save and Authorize Return Invoice Delete Invoice

T/C/D Payment Schedule Freight Charges

Invoice Summary Accounting Information Attach Notes

- vii. The invoice line is fetched against consumption report number as shown below and is currently in draft mode. (**Exhibit 10**).

Exhibit 10:

Identifies the invoice fetched against the consumption report number

Receivables Management > Customer Invoice > Manage Pack slip/Bill back Invoice

Manage Pack slip/Bill back Invoice

Invoice Details

Invoice #

Invoice Type: Consignment Sales Invoice

Status

Invoice Date: 02-01-2018

Numbering Type: 123

Currency: CAD

Finance Book: AVEOS

Comments

Sale Type: AIN

Customer Details

Customer #: 1145

Customer Name: COMPANIA MEXICANA

Bill to Cust. #: 1145

Bill to ID: S-XX-MX-01

Bill to Cust. Name: COMPANIA MEXICANA DE AVIA

Ship to Cust. #: 1145

Ship to ID: S-XX-MX-01

Ship to Cust. Name: COMPANIA MEXICANA DE AVIA

Payment Details

Pay Term: NET45

Anchor Date: 02-01-2018

Receipt Type: CREDIT

Receipt Method: Regular

Cash #

Remit to Company: AVEOS

Remit to Bank

Auto Adjust: No

Price list #: AMP-002

Invoice Value Summary

Basic Value: TCD Value

Freight Amount: Total Inv. Amount

Exchange Rate: 1.00000000

Total Inv. Amount (Base curr.):

Part Info

#	Analysis #	Sub Analysis #	Addl. Reference	Addl. Ref #	Addl. Ref. Date	Addl. Ref. Line #	Remarks
1			Consumption Rep Doc	CREP0000272018	01-12-2018		
2							

Compute

The invoices are generated against consignment consumption report#

- viii. Upon saving the invoice, the invoice number is generated as shown below in **Exhibit 11**.

Exhibit 11:

Invoice number generated upon saving of the selected invoices in draft

Manage Pack slip/Bill back Invoice

Invoice Details

Invoice # 10000132

Invoice Type Consignment Sales Invoice

Status Fresh

Invoice Date 02-01-2018

Numbering Type 123

Currency CAD

Finance Book AVEOS

Comments

Sale Type AIN

Customer Details

Customer Name COMPANIA MEXICANA

Bill to Cust. # 1145

Bill to ID S-XX-MX-01

Bill to Cust. Name COMPANIA MEXICANA DE AVIA

Ship to Cust. # 1145

Ship to ID S-XX-MX-01

Ship to Cust. Name COMPANIA MEXICANA DE AVIA

Payment Details

Pay Term NET45

Anchor Date 02-01-2018

Receipt Type CREDIT

Receipt Method Regular

Cash #

Remit to Company AVEOS

Remit to Bank

Auto Adjust No

Price list # AMP-002

Invoice Value Summary

Basic Value	TCD Value
4,500.00	0.00
Freight Amount	Total Inv. Amount
0.00	4,500.00
Exchange Rate	Total Inv. Amount (Base curr.)
1.00000000	4,500.00

Part Info

#	Line #	Ref. Document	Ref. Doc. #	Ref. Doc. Date	Ref. Doc. Line #	Billing Element	Part #	Part Description
1	1	Part Sale Order	ACPR-000241-18				AMP-7588820	FILTER, FILTER
2								

ix. Invoice is authorized in the screen Authorize invoice as show in **Exhibit 12**.

Exhibit 12:

Identifies the **Authorize Invoice** screen to authorize the consignment invoice

Select Invoice

Invoice Type Consignment Sales Invoice

Invoice #

Search Criteria

Customer #

Invoice # From / to

Total Inv. Amount

Invoice Date

User ID DMUSER

Shipping Point RAMCOOU

Finance Book All

Currency All

Search Results

#	Invoice #	Invoice Date	Currency	Total Inv. Amount	Bill to Cust. #	Bill to Cust. Name	Finance Book	Shipping Point
1	10000082	01-12-2018	CAD	10,600.00	1145	COMPANIA MEXICANA DE AVIACIO...	AVEOS	RAMCOOU
2	10000132	02-01-2018	CAD	4,500.00	1145	COMPANIA MEXICANA DE AVIACIO	AVEOS	RAMCOOU

Authorize Invoice

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