Ramco Aviation Solution

Version 5.7

Enhancement Notification

Sales

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Table of Contents

WHAT'S NEW IN TIMESHEET

Ability to load Booking Type with Indirect Time and the indirect category codes in Booking Code

Reference: AHBE-253

Background

In order to identify the difference between Direct and Indirect time booking codes during employee timesheet booking and also to facilitate with ease of view, provision should be given to load the Booking Type drop down with “Indirect Time” and the corresponding indirect category codes in Booking Code as set for that Quick Code Type.

Change Details

In **Time Tracking** screen, under “Timesheet - Clock” tab page, the Booking Type drop-down is loaded with “Indirect Time” and the corresponding indirect category codes as set in Quick Code Type can be made available by launching the help on Booking Code.

Similarly, under “Timesheet - Manual” tab page, Booking Type drop-down is loaded with “Indirect Time” and the corresponding indirect category codes as set in Quick Code Type can be made available by launching the help on Booking Code.

Exhibit-1

Changes made in **Timesheet – Clock** tab page

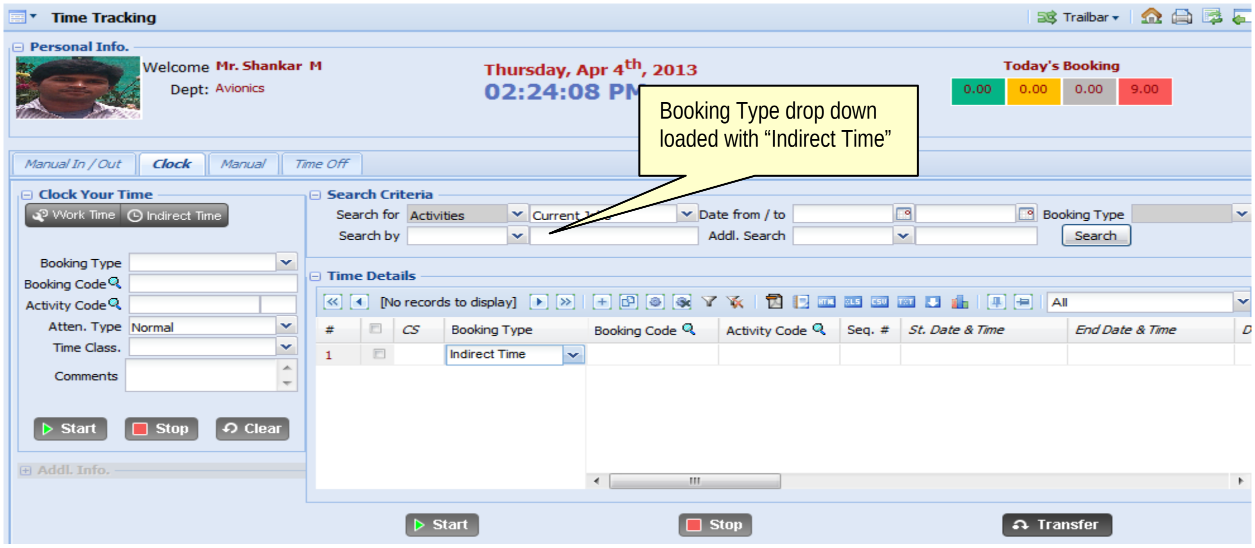
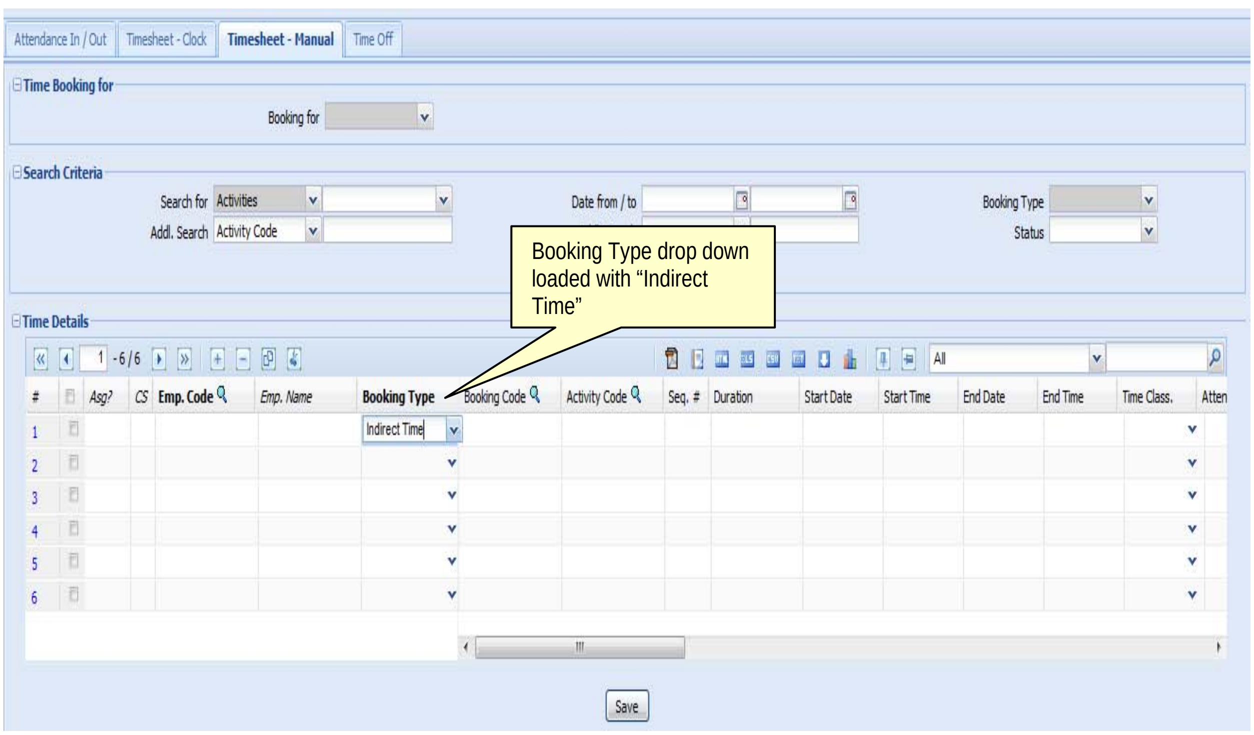


Exhibit-2

Changes made in **Timesheet – Manual** tab page



Ability to display total time booked information for a day in today's booking summary instead of displaying pending time booking

Reference: *AHBE-443*

Background

Since several work schedules are available for employees, it is difficult to display the pending time booking for a day as these work schedules are not maintained anywhere inside **Time Tracker**. Hence, provision should be given to display the total time booked information for a day in “Today's Booking” summary instead of displaying pending time booking.

Change Details

In **Time Tracking** screen under “Today’s Booking” section, the four indicators display the employee time booked information for a day. The time booking information display colors have been changed.

I. **Direct Time is displayed in Green color** – This indicates the sum total of all the direct time booking hours the employee has booked for the day. This will be displayed as zero (0.00) if no direct time bookings are available for the employee on a particular day.

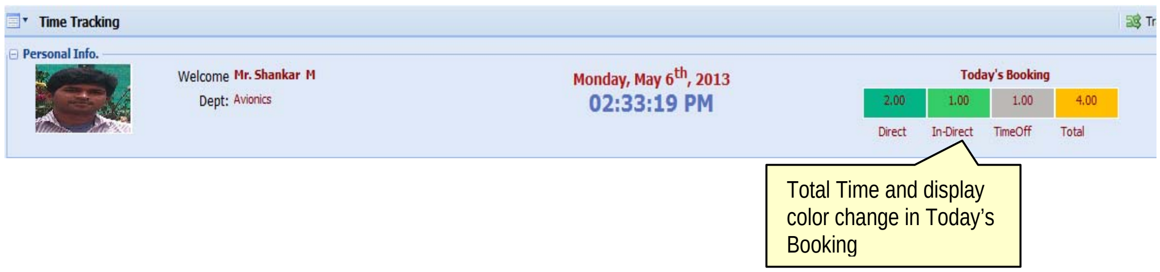
II. **In-Direct Time is displayed in Light Green color** – This indicates the sum total of all the In-direct time booking hours the employee has booked for the day. This will be displayed as zero (0.00) if no In-direct time bookings are available for the employee on a particular day.

III. **Time Off Request is displayed in Gray color** – This indicates the sum total of all the time off requests the employee has booked (in hours) for the day. This will be displayed as zero (0.00) if no time off request is available for the employee on a given day.

IV. **Total Time is displayed in Yellow color** – This indicates sum total of all the of Direct Time, Indirect Time and Time Off requests the employee has booked (in hours) for the day. This will be displayed as zero (0.00) if no time bookings or time off bookings are available for the employee on a given day.

Exhibit-1

Changes made in **Time Tracking** screen



Ability to collapse clock your time - multiple time bookings section on launch of page

Reference: *AHBE-444*

Background

Since multiple time-booking entries are not facilitated for employees, provision should be made to hide multiple time-booking facility upon **Time Tracking** screen launch.

Change Details

In the **Set Process Parameters** screen, of the **Time Tracking Setup** business component, a new option setting is introduced which will read as "Enable Clock Your Time - Multiple Time bookings?"

The possible values that can be set are "Yes" or "No".

If this option is selected as "No", the "Clock Your Time – Multiple" section will be invisible on **Time Tracking** screen launch. If required, this can be made visible by clicking the (+) symbol in the "Clock Your Time – Multiple" section.

If this option is selected as "Yes", the "Clock Your Time – Multiple" section will be made visible on **Time Tracking** screen launch.

Default Settings: By default, the parameter will be set as "No".

Exhibit-1

Changes made in **Set Process Parameters** screen

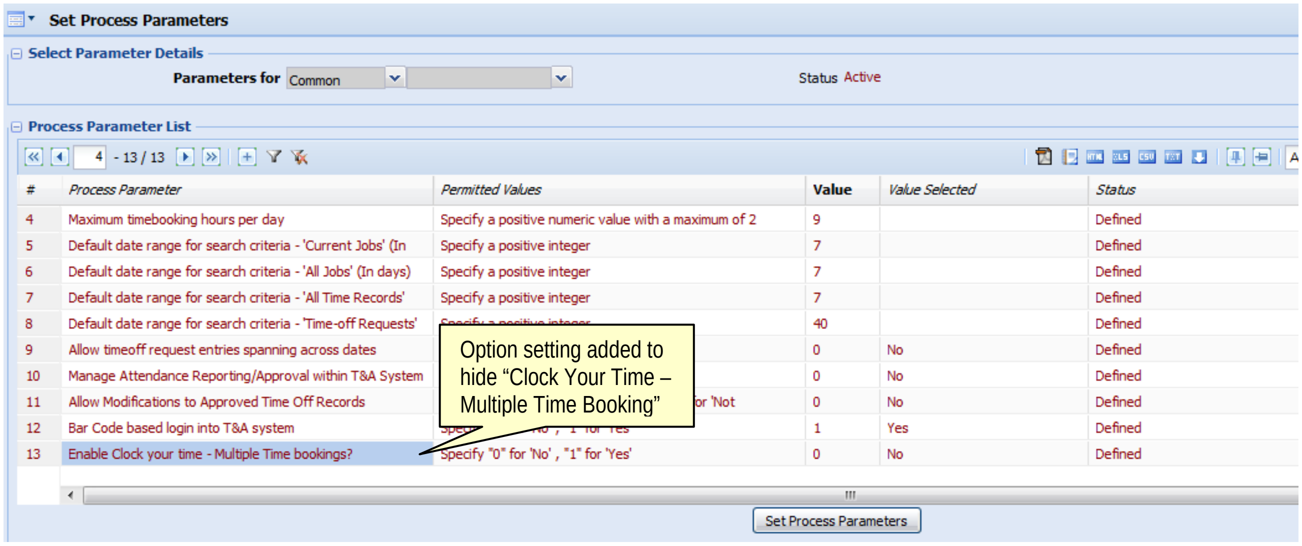
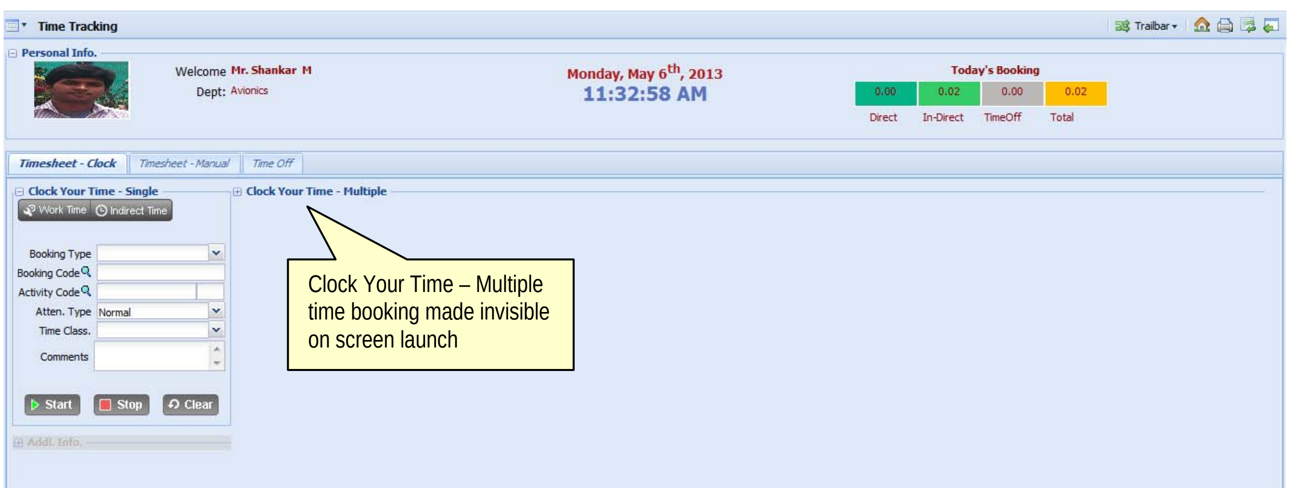


Exhibit-2

Changes made in **Time Tracking – Timesheet Clock** screen



Ability to search for the employee records who have not booked any timesheet or attendance entries

Reference: AHBE-439

Background

The time record and attendance details of reportees that are already authorized or are under pending authorization status can be extracted from day-wise summary. These exceptions can be extracted by the supervisor to take necessary actions for non-compliance in timesheet or attendance booking. Therefore, provision should be given to view details of employees who have not booked any timesheet or attendance entries for a day.

Change Details

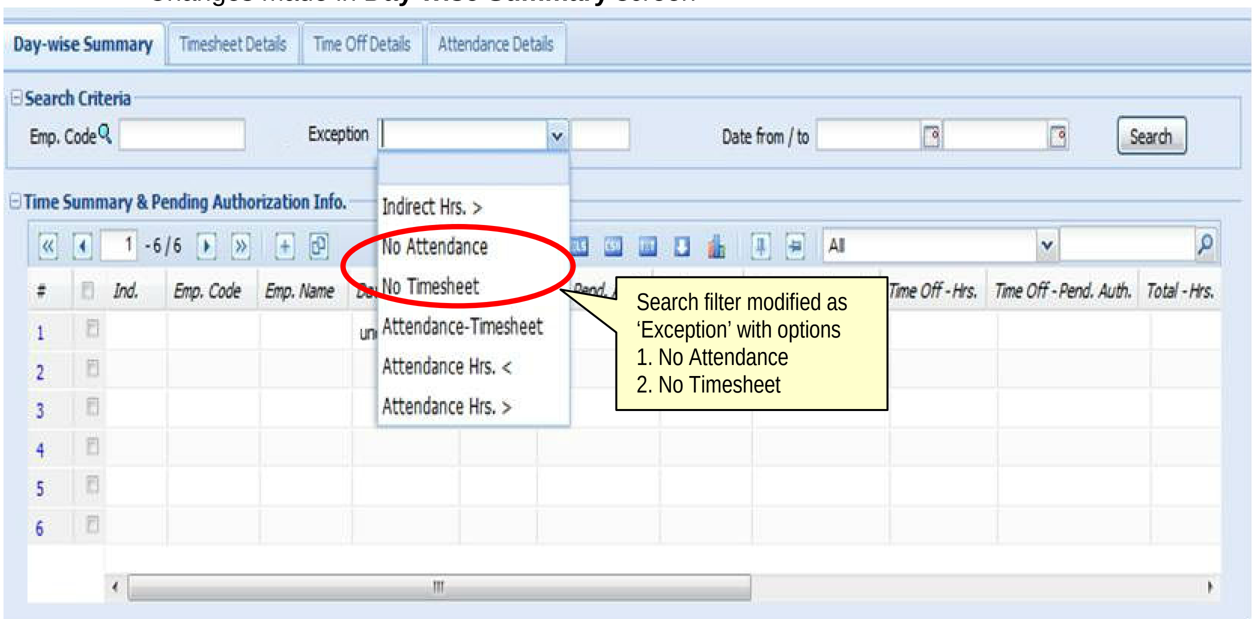
In the **Authorize Time Records** screen, under the “Day-wise Summary” tab, search criteria is modified with new options namely, “No Attendance” and “No Timesheet under Exception”.

If this option is selected as “No Attendance”, then details of those reportees who have not booked any attendance for the day will be displayed as exception. If any timesheet (Direct & Indirect) and Time Off details are available for the reportees, then those details will be displayed along with the remaining hours that are pending for authorization.

If this option is selected as “No Timesheet”, then those reportees who have not booked any timesheet (Direct / Indirect / Both) for the day will be displayed as exception. If any attendance and Time Off details are available for the reportees, then those details will be displayed along with the remaining hours that are pending for authorization.

<u>Exhibit-1</u>

Changes made in **Day-wise Summary** screen



Ability to identify the alternate authorizer for approval of time records

Reference: *AHBE-7622*

Background

Currently, the time records of the employees, i.e., attendance records, time off records & timesheet information are queued up to the primary supervisor for his approval. In situations where the supervisor is on vacation or absent from the workplace, the time records of the employees stay unapproved until the primary supervisor comes back and approves the same. Hence, a provision is required in the system to identify the alternate supervisor(s) who would approve the time records in the absence of the primary authorizer.

Change Details

A new activity has been added to capture and maintain the alternate authorizer information. Supervisors going on leave have the provision to identify the alternate authorizer in this page by specifying the dates during which they want the time records of the employees who report to them directly to be queued up to the alternate authorizer. More than one person can be identified as alternate authorizers. The authorization once given can be deactivated as required. (Exhibit 1).

Based on this setting, the employees who have been identified as “alternate authorizers” will receive an alert on their approval page on those days during which they have been identified as alternate authorizer. Only those records of the primary authorizer’s reports that are pending to be approved will be included.

Click of the alert on the authorization screen would launch the **Authorize Time Records - Alternate Authorizer** screen. This page lists all those supervisors who have identified the login user as the alternate authorizer along with the information of any pending records that are to be approved. (Exhibit 2)

By clicking the hyperlinked name of the primary supervisor, the login user would be able to visit the approval page of the primary supervisor where actions like approval / rejection / corrections of time records can be performed on the records of the employees mapped to the primary supervisor. The Alternate authorizer’s employee code is stored in the “Approved By” field.

Exhibit -1

The **Maintain Alternate Authorizer Info**. screen

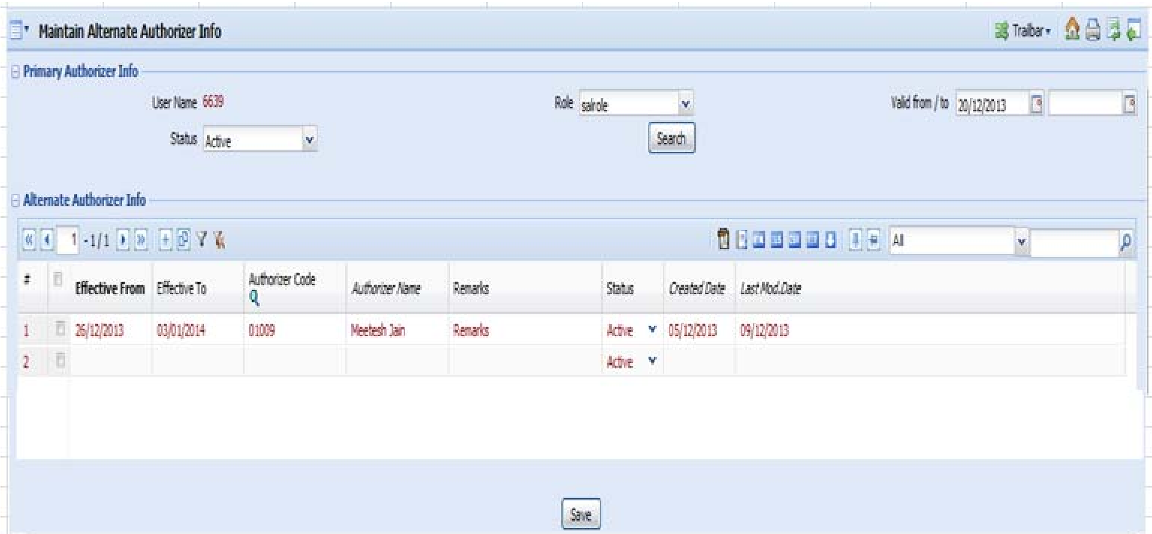
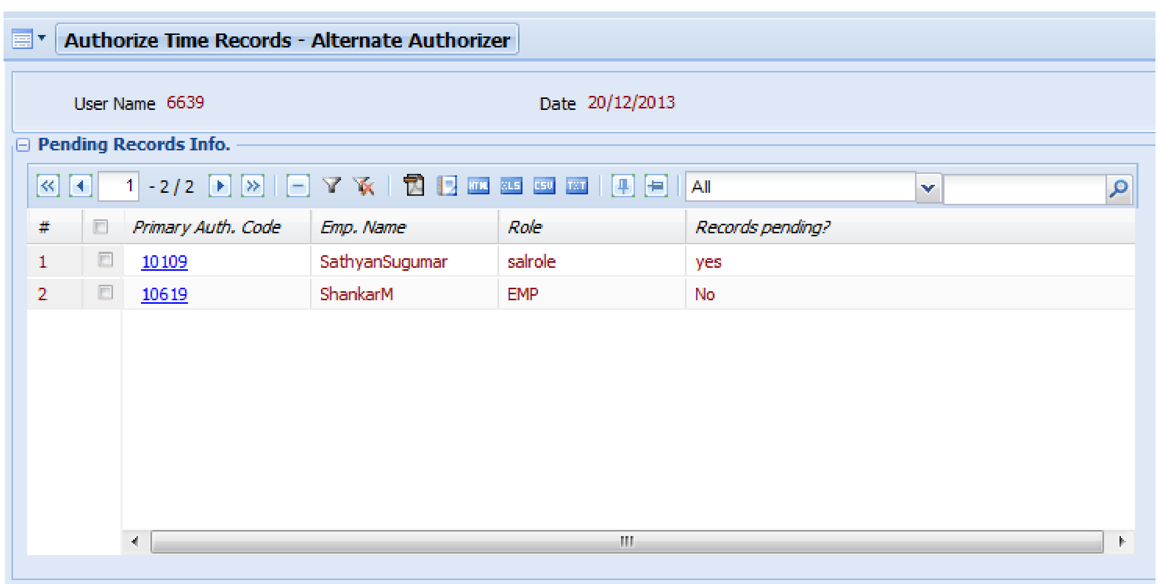


Exhibit - 2:

The **Authorize Time Records – Alternate Authorizer** screen



Facilitate report generation on Time Sheet

Reference: AHBE-2539

Background

The **Time Tracking** business component allowed employees to book attendance and timesheet against tasks, modify records as well as authorize / reject attendance / timesheet records. What was missing so far was a screen which facilitated the supervisor to have a quick look at the hours booked and the exception records of the reporting employees. This need has led to the addition of a new feature which will enable the supervisor to launch reports on:

1. Timesheet Records (Summary)
2. Timesheet Records (Detailed)
3. Timesheet Exceptions

Change Details

Link for the reports

An icon at the top right corner (Refer Exhibit-1) adjacent to "Screen Test" has been added in the home page. Clicking on this icon will take the user to the report page (Refer Exhibit-2). The report page will have the three reports (Summary Report, Detailed Report and Exceptions Report) listed. Click of any of these titles will launch the respective Reports. (Refer Exhibit –3, 4, 5)

Summary Report

On launch of the Summary report, the time records are displayed in a table with the following columns: Date, Employee ID, Employee Name, Department, Supervisor Code, Supervisor Name ,Status, Direct, In-Direct, Timesheet total, Time off, and Total. (Refer Exhibit –3).

Detailed Report

On launch of the detailed report, the time records are displayed in a table with the following columns: Employee ID, Employee Name, Department, Supervisor Code, Supervisor Name Booking Type, Booking Code, Act. Code, Seq. #, Time Off Category, Duration, Time Class. ,Attn.Type, Record Status, Booking Comments, Rejection Remarks, Booking Mode,
Primary Info. Addl.Info., Other Info, Code Desc., and Act Desc.,

Exception Report

On launch of the exceptions report, the time records are displayed in a table with the following columns: Date, Employee ID, Employee Name, Department, Supervisor Code, Supervisor Name, Dir.Hrs – Fresh, Dir.Hrs - Auth., Total Dir.Hrs, Indir.Hrs – Fresh, Indir.Hrs - Auth., Total Indir.Hrs, Time Off Hrs-Fresh, Time off Hrs.-Auth, Total Time Off Hrs, Total Hrs-Booked, Attn.Hrs-Fresh, Attn.Hrs.-Auth., Attn.Total Hrs, and Exception.

Search Page

In all reports, click of the icon shown in Exhibits 6, 7 and 10 will launch the **Search** page. On specifying the search criteria and clicking "Ok", the report will again be launched, but not refined to the search criteria. Clicking the Red icon now will fetch the search refined data.

Exhibit-1

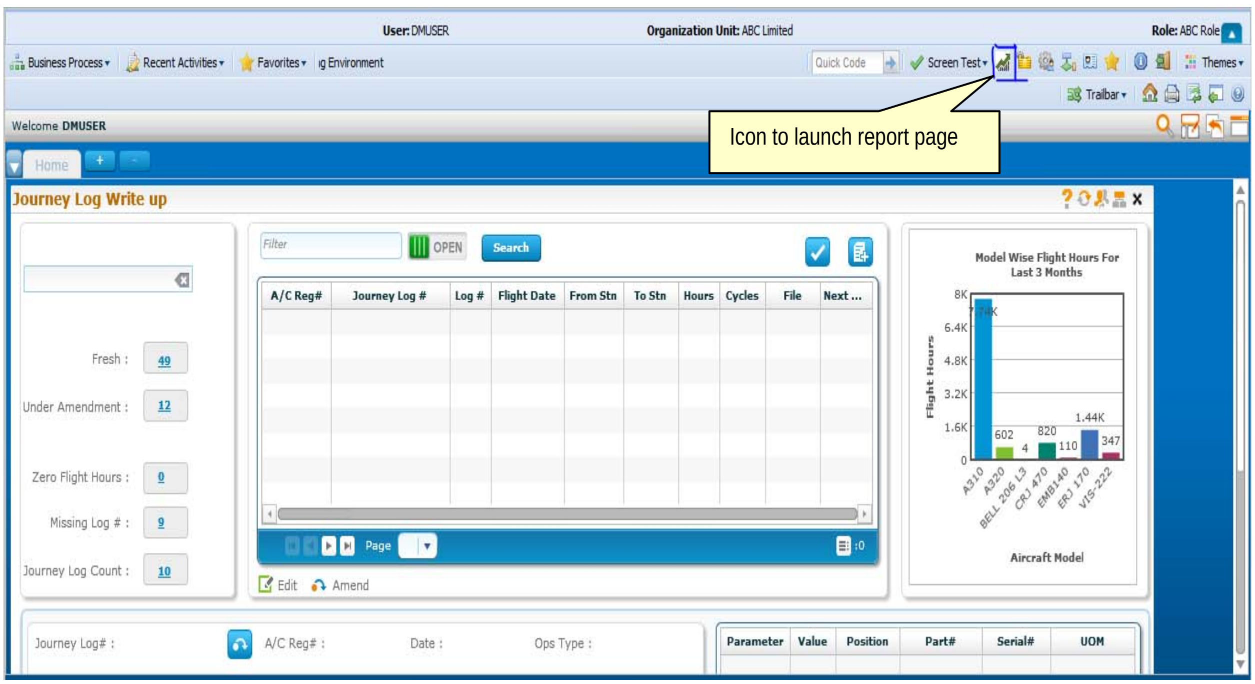


Exhibit-2

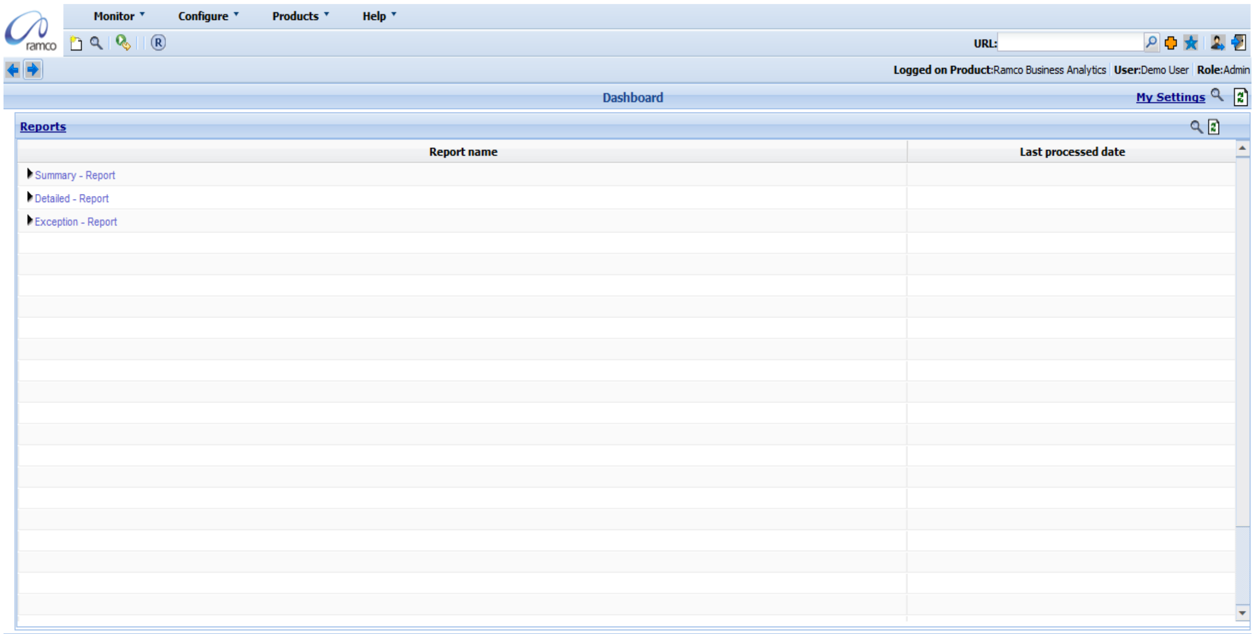
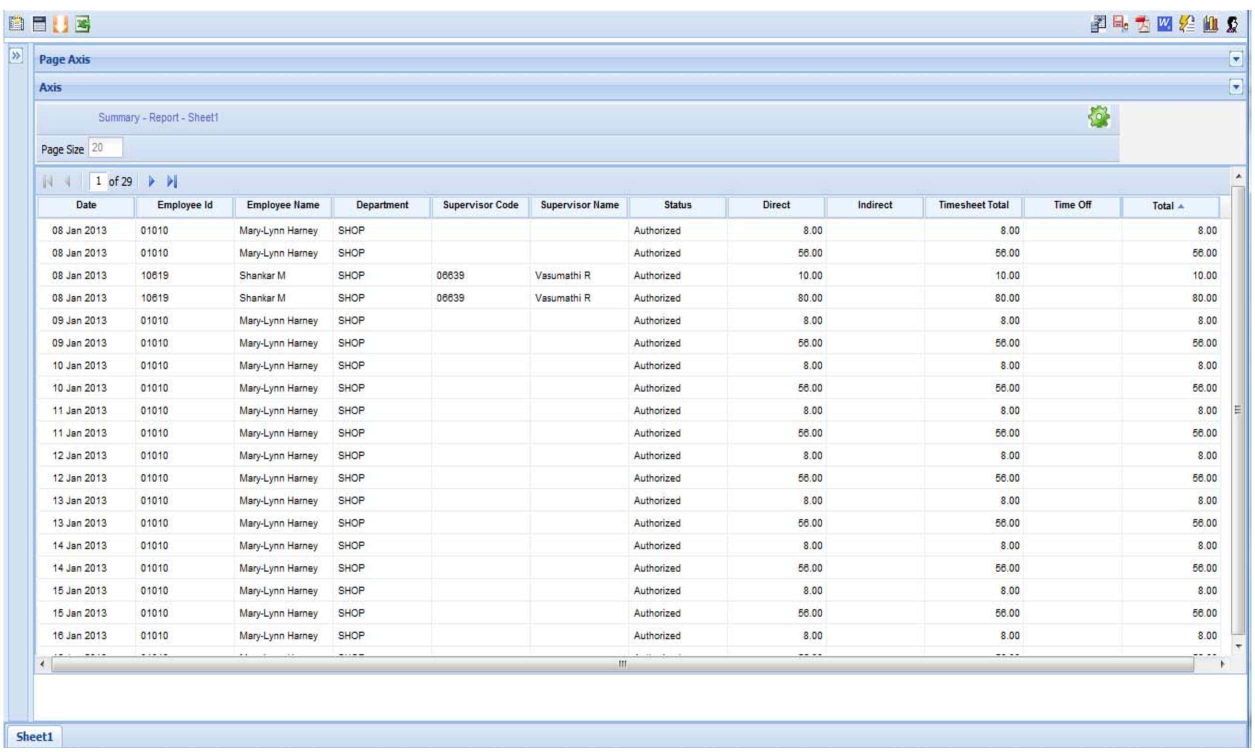


Exhibit-3

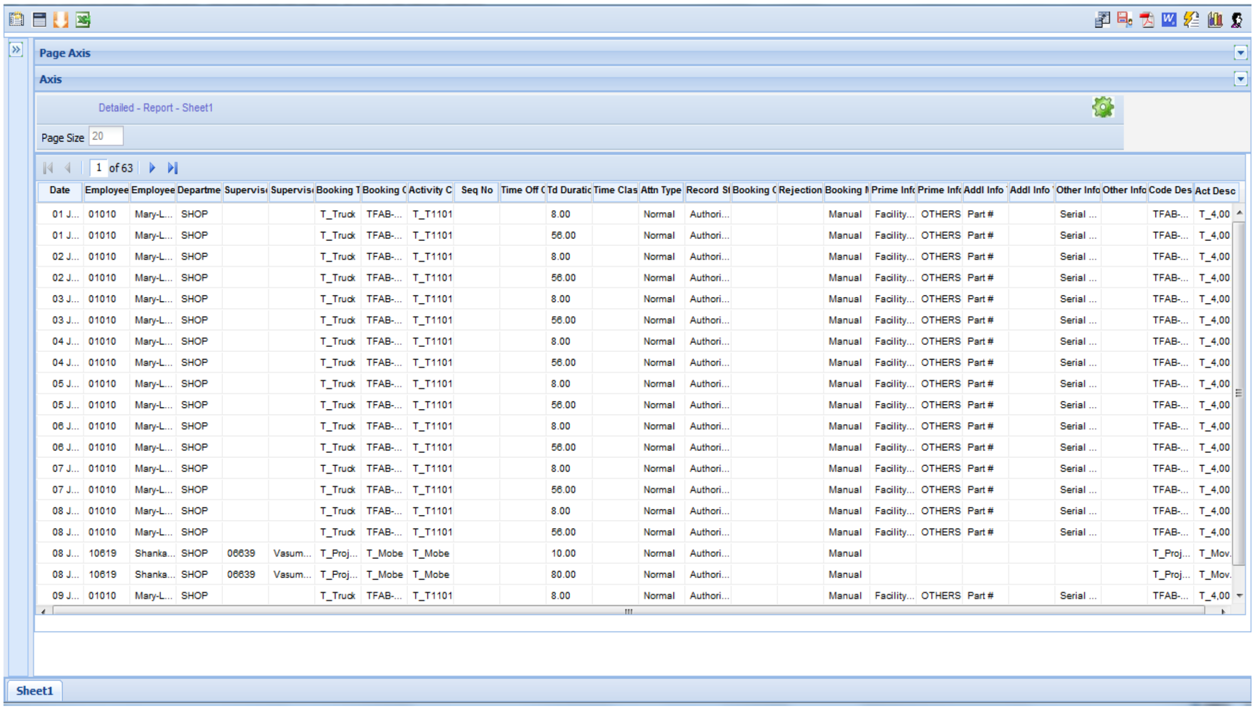
Summary Report



Date	Employee Id	Employee Name	Department	Supervisor Code	Supervisor Name	Status	Direct	Indirect	Timesheet Total	Time Off	Total
08 Jan 2013	01010	Mary-Lynn Harney	SHOP			Authorized	8.00		8.00		8.00
08 Jan 2013	01010	Mary-Lynn Harney	SHOP			Authorized	56.00		56.00		56.00
08 Jan 2013	10619	Shankar M	SHOP	06639	Vasumathi R	Authorized	10.00		10.00		10.00
08 Jan 2013	10619	Shankar M	SHOP	06639	Vasumathi R	Authorized	80.00		80.00		80.00
09 Jan 2013	01010	Mary-Lynn Harney	SHOP			Authorized	8.00		8.00		8.00
09 Jan 2013	01010	Mary-Lynn Harney	SHOP			Authorized	56.00		56.00		56.00
10 Jan 2013	01010	Mary-Lynn Harney	SHOP			Authorized	8.00		8.00		8.00
10 Jan 2013	01010	Mary-Lynn Harney	SHOP			Authorized	56.00		56.00		56.00
11 Jan 2013	01010	Mary-Lynn Harney	SHOP			Authorized	8.00		8.00		8.00
11 Jan 2013	01010	Mary-Lynn Harney	SHOP			Authorized	56.00		56.00		56.00
12 Jan 2013	01010	Mary-Lynn Harney	SHOP			Authorized	8.00		8.00		8.00
12 Jan 2013	01010	Mary-Lynn Harney	SHOP			Authorized	56.00		56.00		56.00
13 Jan 2013	01010	Mary-Lynn Harney	SHOP			Authorized	8.00		8.00		8.00
13 Jan 2013	01010	Mary-Lynn Harney	SHOP			Authorized	56.00		56.00		56.00
14 Jan 2013	01010	Mary-Lynn Harney	SHOP			Authorized	8.00		8.00		8.00
14 Jan 2013	01010	Mary-Lynn Harney	SHOP			Authorized	56.00		56.00		56.00
15 Jan 2013	01010	Mary-Lynn Harney	SHOP			Authorized	8.00		8.00		8.00
15 Jan 2013	01010	Mary-Lynn Harney	SHOP			Authorized	56.00		56.00		56.00
16 Jan 2013	01010	Mary-Lynn Harney	SHOP			Authorized	8.00		8.00		8.00

Exhibit-4

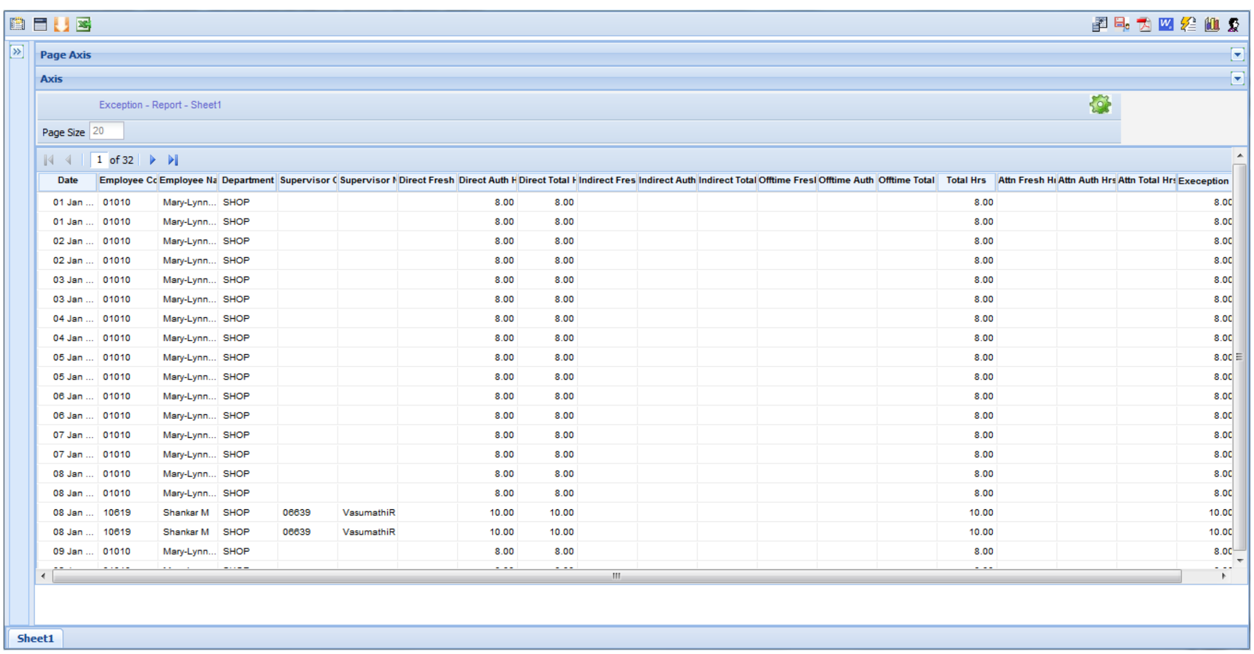
Detailed Report



Date	Employee	Employee	Departme	Supervis	Supervis	Booking T	Booking C	Activity C	Seq No	Time Off C	Td Duratic	Time Clas	Attn Type	Record St	Booking C	Rejection	Booking M	Prime Infc	Prime Infc	Addl Info	Addl Info	Other Info	Other Info	Code Des	Act Desc
01 J...	01010	Mary-L...	SHOP			T_Truck	TFAB-...	T_T1101			8.00		Normal	Authori...			Manual	Facility...	OTHERS	Part #		Serial ...		TFAB-...	T_4,00
01 J...	01010	Mary-L...	SHOP			T_Truck	TFAB-...	T_T1101			56.00		Normal	Authori...			Manual	Facility...	OTHERS	Part #		Serial ...		TFAB-...	T_4,00
02 J...	01010	Mary-L...	SHOP			T_Truck	TFAB-...	T_T1101			8.00		Normal	Authori...			Manual	Facility...	OTHERS	Part #		Serial ...		TFAB-...	T_4,00
02 J...	01010	Mary-L...	SHOP			T_Truck	TFAB-...	T_T1101			56.00		Normal	Authori...			Manual	Facility...	OTHERS	Part #		Serial ...		TFAB-...	T_4,00
03 J...	01010	Mary-L...	SHOP			T_Truck	TFAB-...	T_T1101			8.00		Normal	Authori...			Manual	Facility...	OTHERS	Part #		Serial ...		TFAB-...	T_4,00
03 J...	01010	Mary-L...	SHOP			T_Truck	TFAB-...	T_T1101			56.00		Normal	Authori...			Manual	Facility...	OTHERS	Part #		Serial ...		TFAB-...	T_4,00
04 J...	01010	Mary-L...	SHOP			T_Truck	TFAB-...	T_T1101			8.00		Normal	Authori...			Manual	Facility...	OTHERS	Part #		Serial ...		TFAB-...	T_4,00
04 J...	01010	Mary-L...	SHOP			T_Truck	TFAB-...	T_T1101			56.00		Normal	Authori...			Manual	Facility...	OTHERS	Part #		Serial ...		TFAB-...	T_4,00
05 J...	01010	Mary-L...	SHOP			T_Truck	TFAB-...	T_T1101			8.00		Normal	Authori...			Manual	Facility...	OTHERS	Part #		Serial ...		TFAB-...	T_4,00
05 J...	01010	Mary-L...	SHOP			T_Truck	TFAB-...	T_T1101			56.00		Normal	Authori...			Manual	Facility...	OTHERS	Part #		Serial ...		TFAB-...	T_4,00
06 J...	01010	Mary-L...	SHOP			T_Truck	TFAB-...	T_T1101			8.00		Normal	Authori...			Manual	Facility...	OTHERS	Part #		Serial ...		TFAB-...	T_4,00
06 J...	01010	Mary-L...	SHOP			T_Truck	TFAB-...	T_T1101			56.00		Normal	Authori...			Manual	Facility...	OTHERS	Part #		Serial ...		TFAB-...	T_4,00
07 J...	01010	Mary-L...	SHOP			T_Truck	TFAB-...	T_T1101			8.00		Normal	Authori...			Manual	Facility...	OTHERS	Part #		Serial ...		TFAB-...	T_4,00
07 J...	01010	Mary-L...	SHOP			T_Truck	TFAB-...	T_T1101			56.00		Normal	Authori...			Manual	Facility...	OTHERS	Part #		Serial ...		TFAB-...	T_4,00
08 J...	01010	Mary-L...	SHOP			T_Truck	TFAB-...	T_T1101			8.00		Normal	Authori...			Manual	Facility...	OTHERS	Part #		Serial ...		TFAB-...	T_4,00
08 J...	01010	Mary-L...	SHOP			T_Truck	TFAB-...	T_T1101			56.00		Normal	Authori...			Manual	Facility...	OTHERS	Part #		Serial ...		TFAB-...	T_4,00
08 J...	10619	Shanka...	SHOP	06639	Vasum...	T_Proj...	T_Mobe	T_Mobe			10.00		Normal	Authori...			Manual							T_Proj...	T_Mov.
08 J...	10619	Shanka...	SHOP	06639	Vasum...	T_Proj...	T_Mobe	T_Mobe			80.00		Normal	Authori...			Manual							T_Proj...	T_Mov.
09 J...	01010	Mary-L...	SHOP			T_Truck	TFAB-...	T_T1101			8.00		Normal	Authori...			Manual	Facility...	OTHERS	Part #		Serial ...		TFAB-...	T_4,00

Exhibit-5

Exception Report



Date	Employee Cc	Employee Na	Department	Supervisor C	Supervisor N	Direct Fresh	Direct Auth H	Direct Total H	Indirect Fres	Indirect Auth	Indirect Total	Offtime Fresl	Offtime Auth	Offtime Total	Total Hrs	Attn Fresh Hr	Attn Auth Hrs	Attn Total Hrs	Exeception
01 Jan ...	01010	Mary-Lynn...	SHOP				8.00	8.00							8.00				8.00
01 Jan ...	01010	Mary-Lynn...	SHOP				8.00	8.00							8.00				8.00
02 Jan ...	01010	Mary-Lynn...	SHOP				8.00	8.00							8.00				8.00
02 Jan ...	01010	Mary-Lynn...	SHOP				8.00	8.00							8.00				8.00
03 Jan ...	01010	Mary-Lynn...	SHOP				8.00	8.00							8.00				8.00
03 Jan ...	01010	Mary-Lynn...	SHOP				8.00	8.00							8.00				8.00
04 Jan ...	01010	Mary-Lynn...	SHOP				8.00	8.00							8.00				8.00
04 Jan ...	01010	Mary-Lynn...	SHOP				8.00	8.00							8.00				8.00
05 Jan ...	01010	Mary-Lynn...	SHOP				8.00	8.00							8.00				8.00
05 Jan ...	01010	Mary-Lynn...	SHOP				8.00	8.00							8.00				8.00
06 Jan ...	01010	Mary-Lynn...	SHOP				8.00	8.00							8.00				8.00
06 Jan ...	01010	Mary-Lynn...	SHOP				8.00	8.00							8.00				8.00
07 Jan ...	01010	Mary-Lynn...	SHOP				8.00	8.00							8.00				8.00
07 Jan ...	01010	Mary-Lynn...	SHOP				8.00	8.00							8.00				8.00
08 Jan ...	01010	Mary-Lynn...	SHOP				8.00	8.00							8.00				8.00
08 Jan ...	01010	Mary-Lynn...	SHOP				8.00	8.00							8.00				8.00
08 Jan ...	10619	Shankar M	SHOP	06639	VasumathiR		10.00	10.00							10.00				10.00
08 Jan ...	10619	Shankar M	SHOP	06639	VasumathiR		10.00	10.00							10.00				10.00
09 Jan ...	01010	Mary-Lynn...	SHOP				8.00	8.00							8.00				8.00

Exhibit-6

Summary Report Search Page (a)

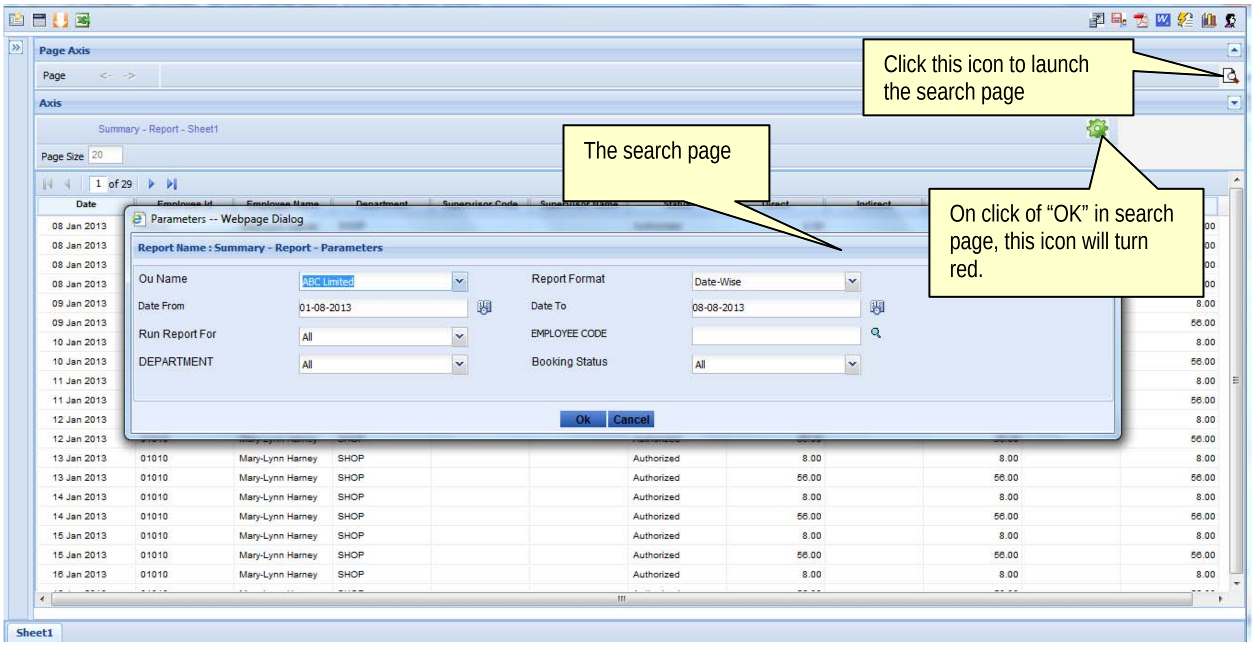


Exhibit-7

Summary Report Search Page (b)

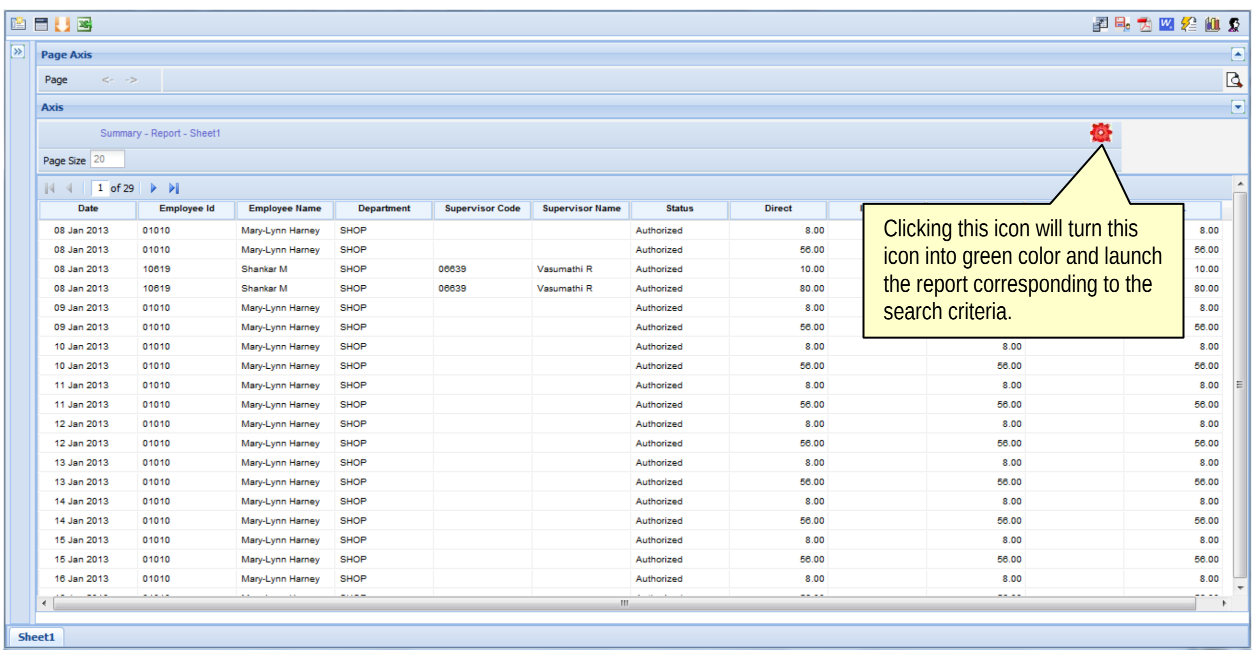


Exhibit-8

Detailed Report Search Page (a)

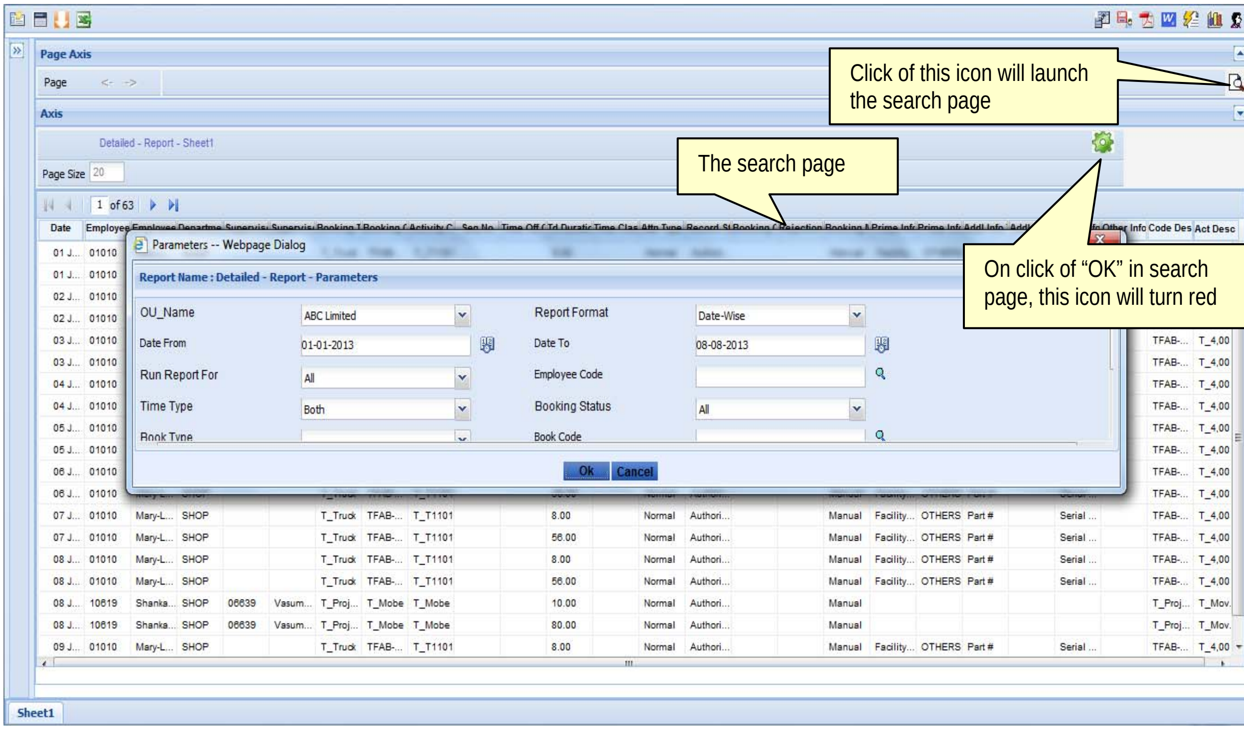


Exhibit-9

Detailed Report Search Page(b)

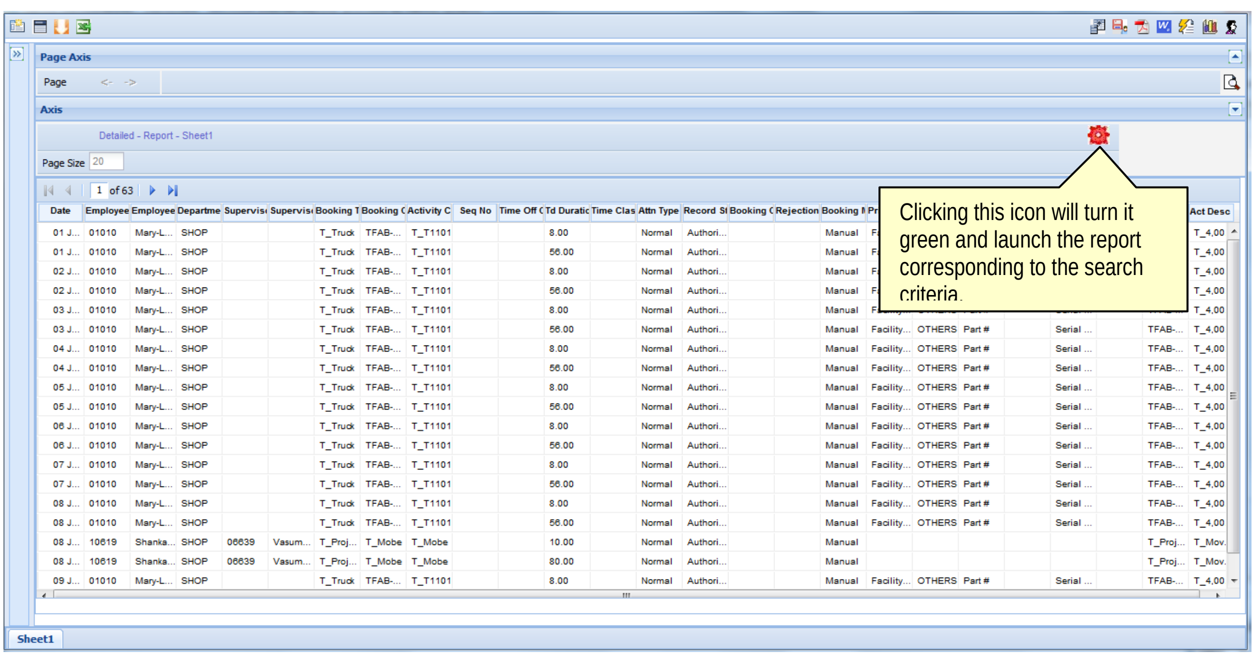


Exhibit-10

Exception Report Search Page (a)

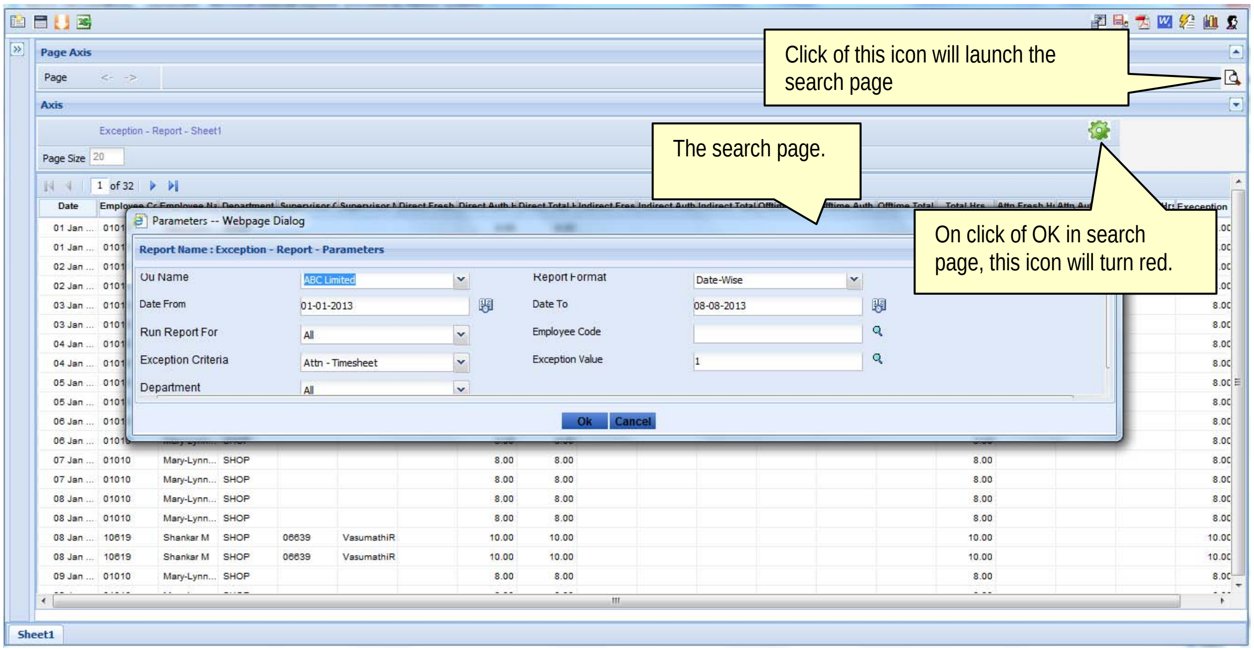
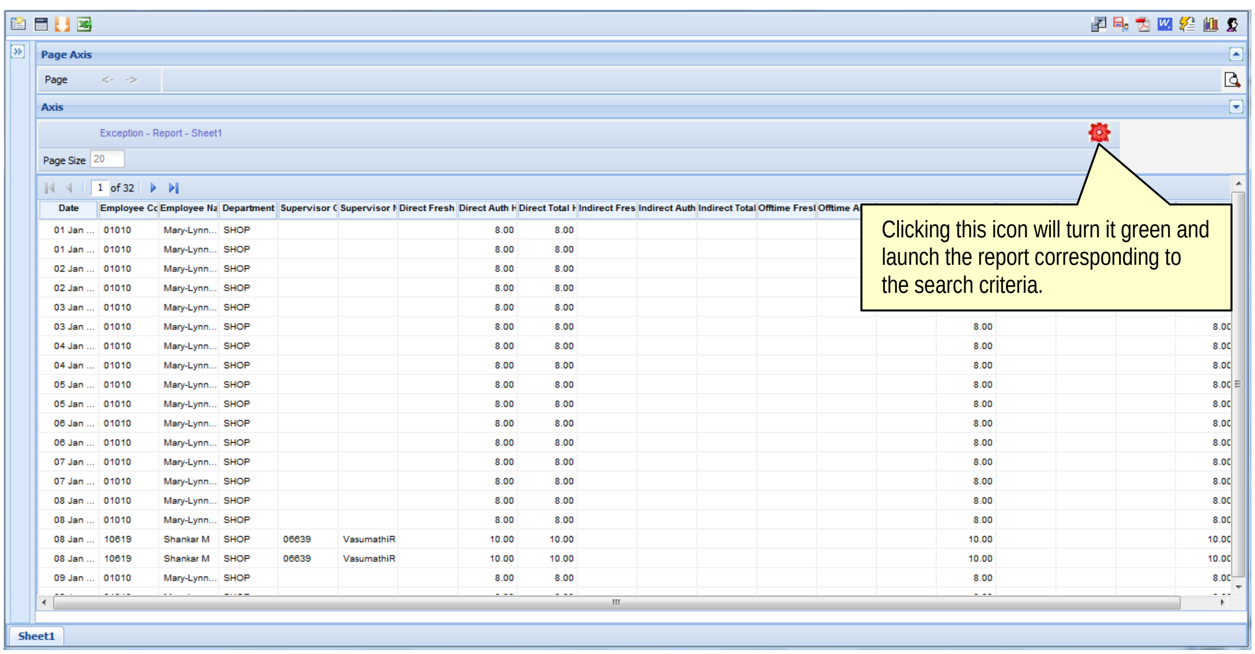


Exhibit-11

Exception Report Search Page (b)



What's new in Customer

Provision to select a customer logo inside customer

Reference: *AHBE-12908*

Background

Previously, the application allowed identification of a customer by the Customer # and Name specified while creating a record for the customer in the application. Although this gives familiarity within the organization, customer logo will serves as a quick identifier in cases where reports are generated for numerous customers.

Change Details

In **Create Customer Record** page of the **Customer** business component, a new control has been added to browse and upload a logo corresponding to the customer. This logo is saved in the customer record and can be viewed in the **View Customer Record** screen. Change of logo can be made in the **Edit Customer Record** screen.

Exhibit-1

Changes made in **Create Customer Record** screen.

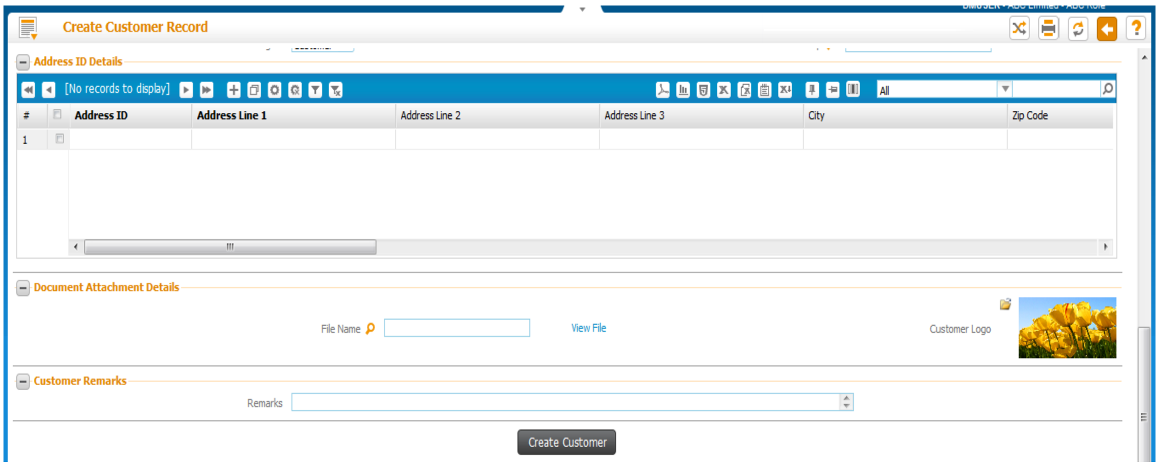


Exhibit-2

Changes made in **Edit Customer Record** screen.

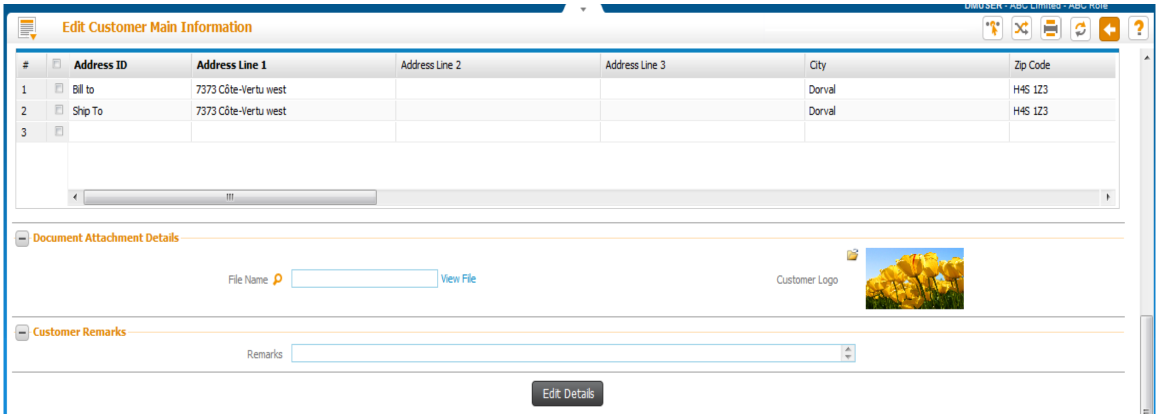


Exhibit-3

Changes made in **View Customer Record** screen.

WHAT'S NEW IN SALE CONTRACT

Ability to define the applicability of material, resources and external services cap in service sale contract and to display or hide the caps related controls in sale quote and billing based on the same

Reference: AHBE-1298, AHBE-1300

Background

Currently, in **Sale Quote** and **Service Sale Billing** activities, multiple controls exist under the materials, resources, and the external services tabs to depict caps related values. This resulted in usability issue for the user as he has to scan through multiple controls including the caps-related controls to see the actually billing / quote value. Hence, provision has been made to display or hide the caps-related controls in materials, resources and external services pages of **Sale Quote** and **Billing** screen based on the options set in the **Sale Contract** screen. Through this change, the user will get to see only those basic price-related columns, that is, base rate, markup and the final extended price in the quote and billing screens when there are no caps applicable.

Change Details

In the **Edit Pricing and Invoicing Details** activity of the **Manage Sale Contract** business component, a new section has been added to define the applicability of caps for Material, Resources and External Services. Based on the caps requirement set in contract, the definition of material, resource and external services caps is mandated in the contract and accordingly the status of the contract is derived as "Draft" or "Fresh".

In the Materials, Resources and External Services pages of the **Service Sale Quote** and the **Service Sale Billing** business components, based on the applicable caps option setting in the **Sale Contract** screen, the appropriate caps related controls will be displayed or hidden. For Example: if Covered Price is set as "Required" and Max. Extd. Price is set as "Not Required" for resources in the **Sale Contract** screen, then in the **Service Sale Quote** and the **Service Sale Billing** screens for resources, the following controls will be hidden: Final Extd. Price, Max. Qty., and Max. Extd. Price.

Exhibit-1

Changes made in **Edit Pricing and Invoicing Details** screen.

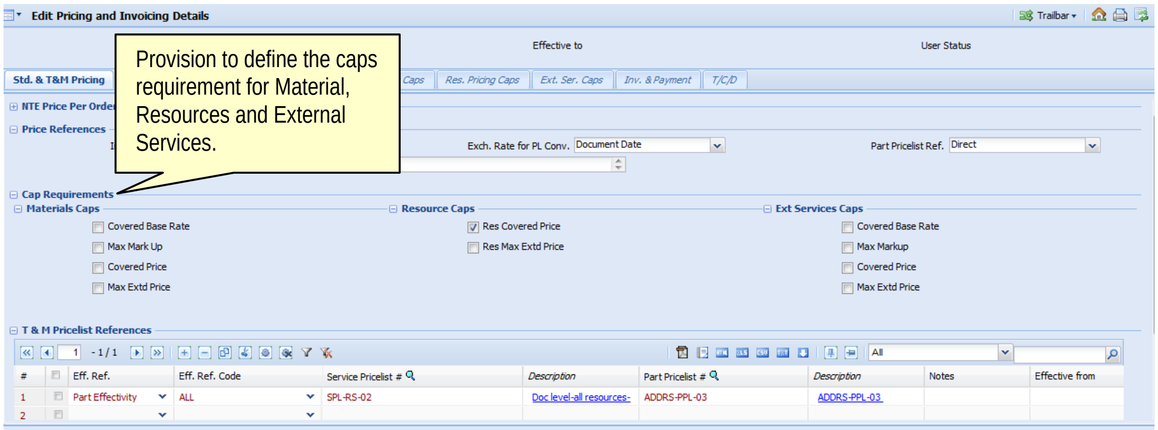


Exhibit-2

Changes made in **Manage Sale Quotation** and **Manage Invoice Release** screen.

WHAT'S NEW IN CUSTOMER ORDER - SERVICES

Ability to auto generate a CO in the intercompany books while recording a RO in the group company

Reference: AHBE-10620

Background

For an intercompany, transactions that are carried out in one company must trigger or generate a document in the other company both of which are mapped under the same Group Company. The relationship between these two companies is established through a unique Customer Code called ‘Partner ID’, captured under the **Customer** and **Supplier** business components. Also, the ability to restrict or generate a Customer Order in the intercompany books during the issue confirmation of Repair Order is governed through an option setting.

Hence provision has been given to model the **Customer** and the **Supplier** master with the ‘Nature of Company’ and ‘Company Code’ to auto-generate a Customer Order in the intercompany books while a Repair Order is generated in the other company.

Change Details

In the **Create Customer Record**, **Edit Customer Main Information** and **View Customer Record** screens, ‘Partner ID’ and a check box for ‘Auto generation of CO against intercompany RO’ is added.

For intercompany document generation, a set of new parameters are added in the **Set Sales Process Parameters** screen. Refer Exhibit 4 for the list of option settings that are added.

“Status of CO auto generated based on an inter-company RO” - This option has the values, ‘Fresh’ and ‘Approved’.

In **Customer** master, for the Partner Id specified, if the option setting "Auto Gen. CO against Intercompany RO" is selected, then a Customer Order is generated automatically in "Fresh" or "Approved" status as per the value set in the above option setting.

If the option setting "Auto Gen. CO against Intercompany RO" is not selected, then Customer Order will not be generated.

Based on these option settings, the values to some of the controls in CO are derived while generating CO against intercompany RO. In some cases, error messages have been relaxed. For Example, in instances where a Part is received, but the Station is not available from the RO company, the error message “Please specify ‘Primary Work Center as ‘Execution Facility’ is set as Internal”’ has been relaxed so that primary work station is determined for inter company RO – CO transactions.

Error messages have been added, for instances where the details sent by the source company are not synchronizing with the other company, for example, where a Part # does not match for the source document.

In other cases, the details are concatenated, truncated and the information is provided to the user. Example - RO Exchange Type is 'Flat' but CSO is generated with exchange type as "Exchange with Repair".

Scheduler-based automation:

To auto-generate CO against intercompany RO, scheduler has been added which is a pre-requisite.

Exhibit-1

Changes made in the **Create Customer Record** screen.

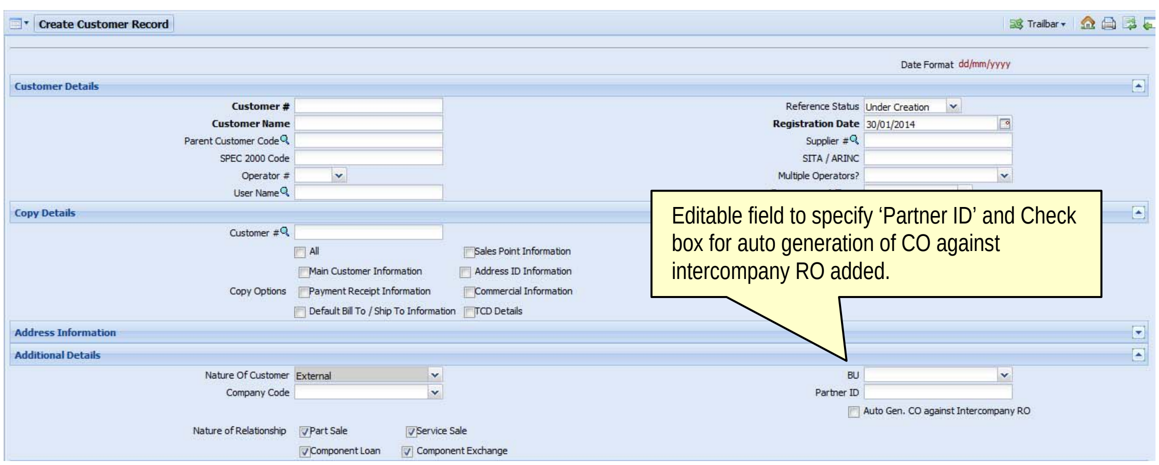


Exhibit -2:

Changes made in the **Edit Customer Main Information** screen.

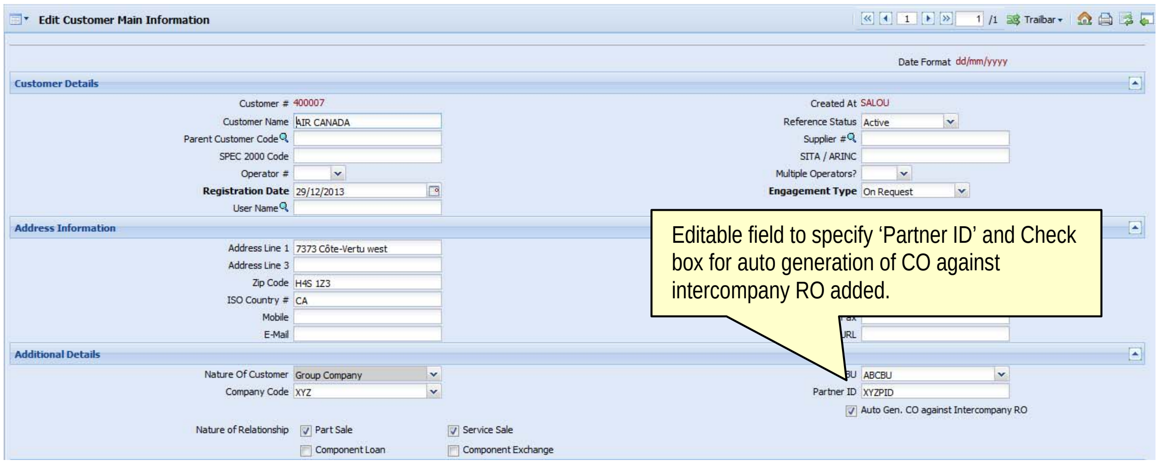


Exhibit-3

Changes made in the **View Customer Record** screen

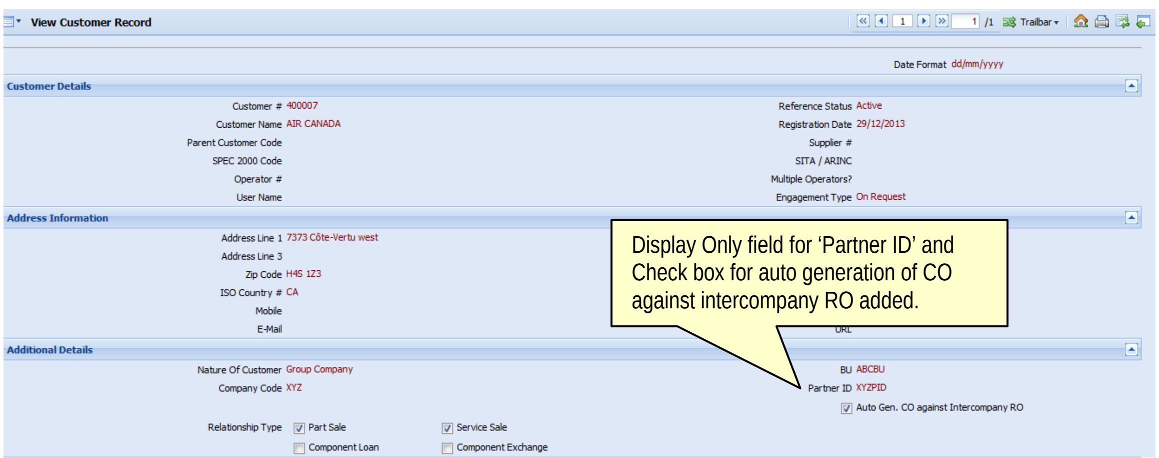
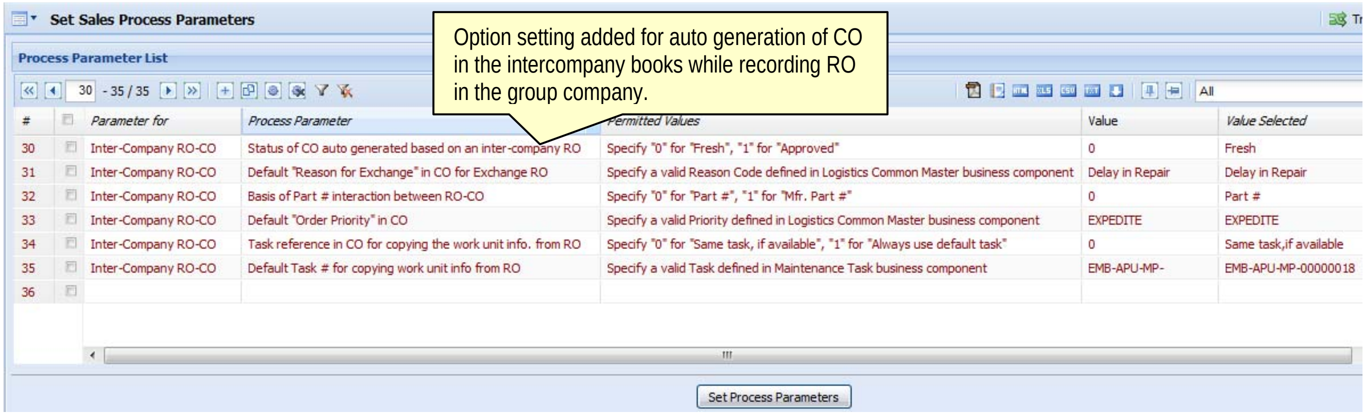


Exhibit-4

Changes made in **Set Sales Process Parameters** screen



#		Parameter for	Process Parameter	Permitted Values	Value	Value Selected
30		Inter-Company RO-CO	Status of CO auto generated based on an inter-company RO	Specify "0" for "Fresh", "1" for "Approved"	0	Fresh
31		Inter-Company RO-CO	Default "Reason for Exchange" in CO for Exchange RO	Specify a valid Reason Code defined in Logistics Common Master business component	Delay in Repair	Delay in Repair
32		Inter-Company RO-CO	Basis of Part # interaction between RO-CO	Specify "0" for "Part #", "1" for "Mfr. Part #"	0	Part #
33		Inter-Company RO-CO	Default "Order Priority" in CO	Specify a valid Priority defined in Logistics Common Master business component	EXPEDITE	EXPEDITE
34		Inter-Company RO-CO	Task reference in CO for copying the work unit info. from RO	Specify "0" for "Same task, if available", "1" for "Always use default task"	0	Same task,if available
35		Inter-Company RO-CO	Default Task # for copying work unit info from RO	Specify a valid Task defined in Maintenance Task business component	EMB-APU-MP-	EMB-APU-MP-00000018
36						

Ability to record commercials approval using an iPad.

Reference: AHBE-5932

Background

A common screen to be enabled in iPad to facilitate the recording of various commercials approval.

Change Details

The following approval actions of the commercials department have been enabled in the iPad.

a. Approval of customer order which is in “Confirmed” status.

b. Internal approval on Service Sale Quote to facilitate the same to be released for customer approval.

c. Recording the customer approval obtained on various operational and quote holds.

The functionality has been rendered using two screens; the first screen providing a queue to list various customer orders on which the above said approval actions are pending (Exhibit 1) and the second screen providing a more detailed view on the customer order and the related information that may be required to be reviewed before recording the approval or rejection (Exhibit 2).

On click of a specific line in the first page that lists the CO views, a detailed view is provided on the customer order in the second page. Separate sections are available to record various approvals listed above. The action buttons would be made available dynamically only when an action is pending against the CO. For example, when a quote approval is pending against a CO which is already in “Approved” status, the action buttons would be provided only in the Quote section and not in the Customer Order section. Various other information i.e., BER limits, credit exposure to the customer (Click the graph icon), outstanding bills information, etc., that the user might want to review before recording his approval have also been provided in the second screen.

Exhibit - I:

The **Approval Status - Customer Order** screen

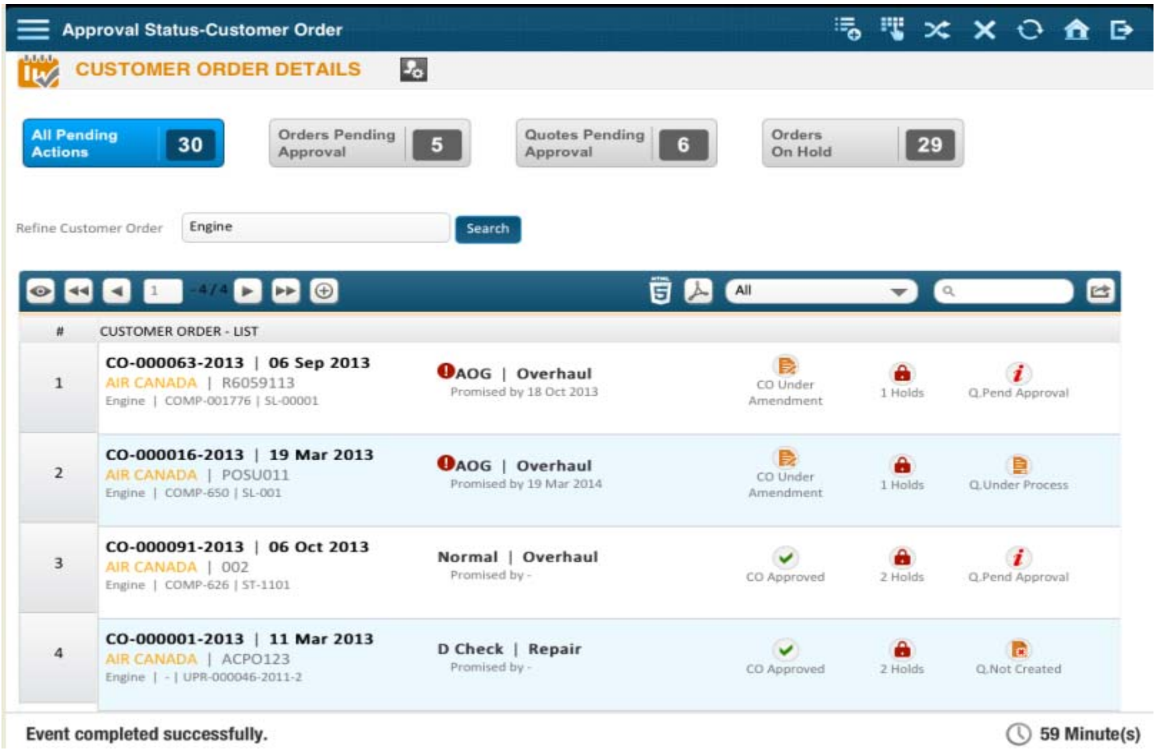
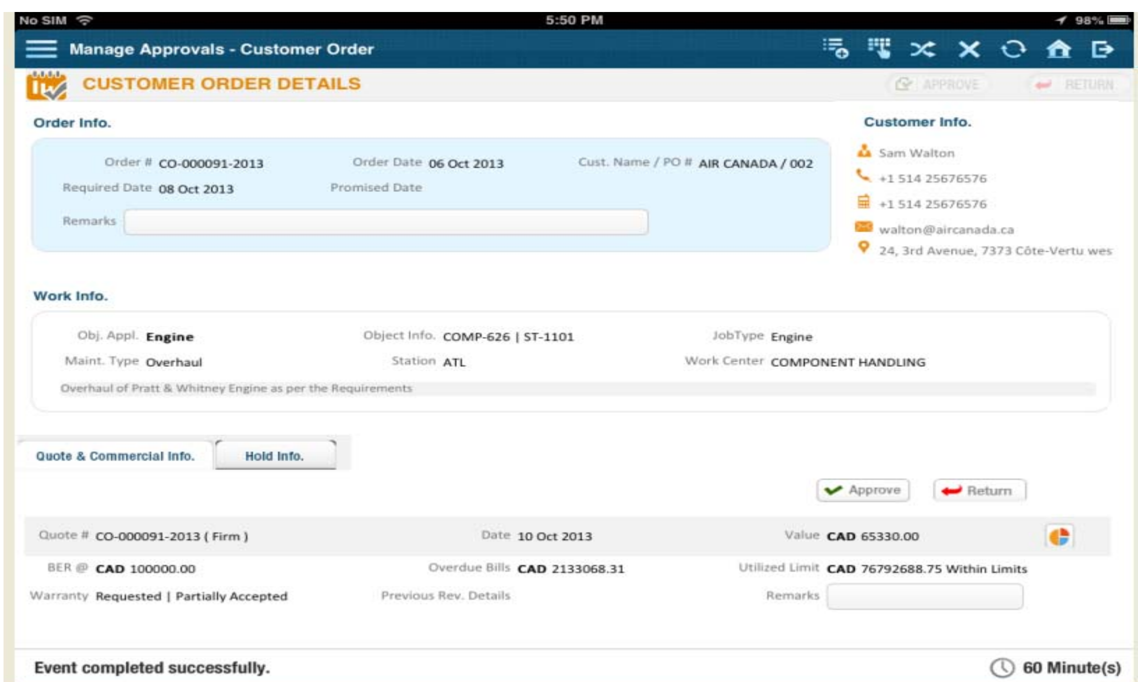


Exhibit -2

The **Manage Approvals – Customer Order** screen



CUSTOMER ORDER WORKSPACE

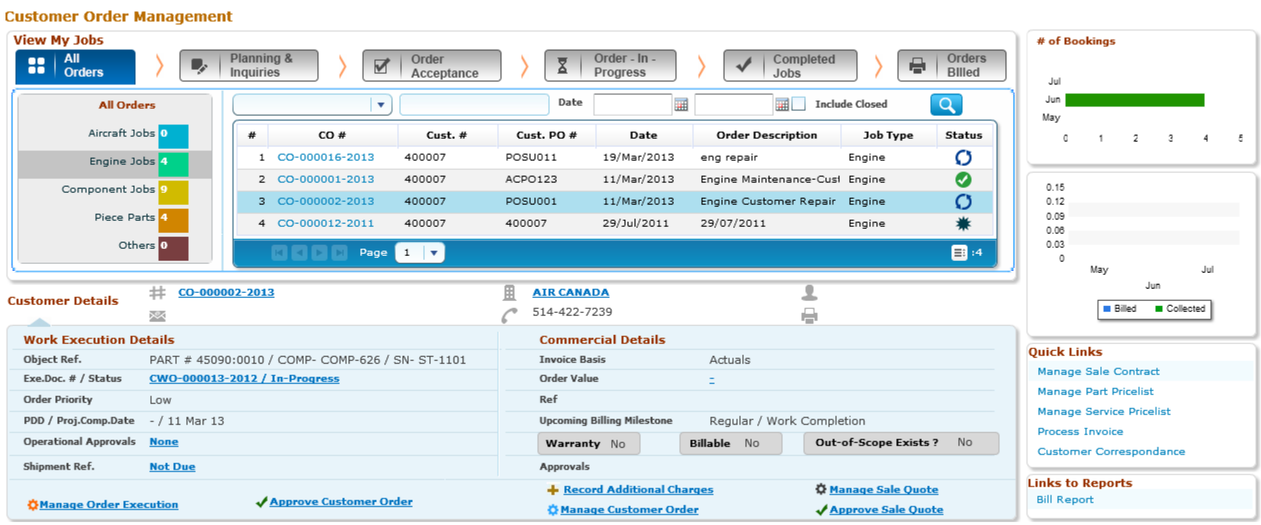
Refinements to work space – auto get of data in all the link pages & refinements to search filters.

Reference: AHBE-2865

Overview

Exhibit-1

The **Customer Order WorkSpace** is shown below:



When a CSM launches the CO WorkSpace, various buckets are shown on top of the screen categorizing the customer orders based on their stages of processing. The CSM can view the customer orders in various stages and follow up for the necessary action required.

Change Details

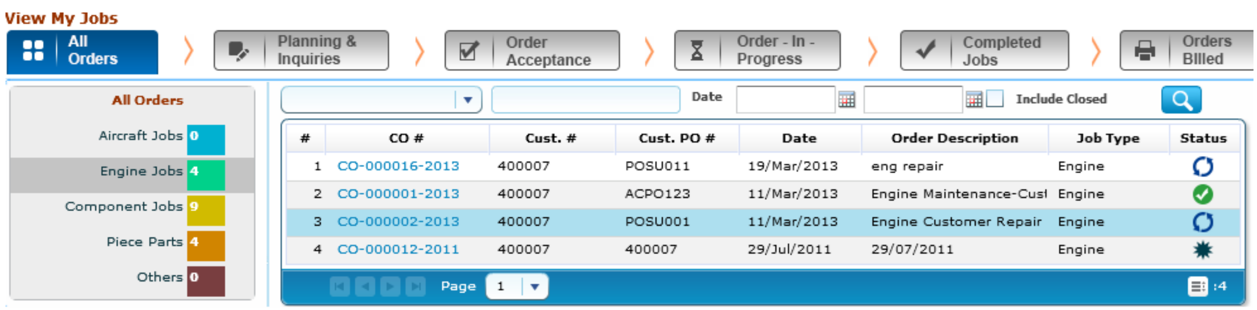
In the **Customer Order Workspace** screen, under “All Orders”, the associated sub-buckets are shown in a tree structure below. Search options are further modified and can be used to filter the CO list based on various buckets and sub-bucket combinations. To act upon the customer orders, a CSM with the information available can filter the required set of customer orders using the search filters. Also, if the CSM clicks the available links in the workspace, automatically all the customer order related details will be displayed in the commercials and execution screens

Traversal Pattern

Based on the CSM's requirement, if he is willing to view all the customer orders, he can choose the bucket "All Orders". In this case, he can view the sub-buckets which categorize the orders based on their job types. If the CSM does not have enough information to identify the customer order in any specific bucket, the "All Orders" bucket can be viewed to see all the eligible customer orders that are within his purview. Once listed, search options like Order Date, Station, Work Center or any other applicable filter can be used to narrow down the particular Customer order. Then the execution details and commercial details can be viewed to take follow up actions.

<u>Exhibit-1</u>

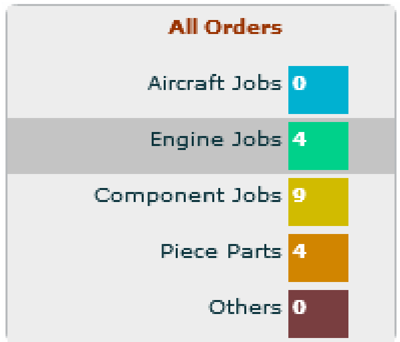
List of Customer Orders in a given sub-bucket



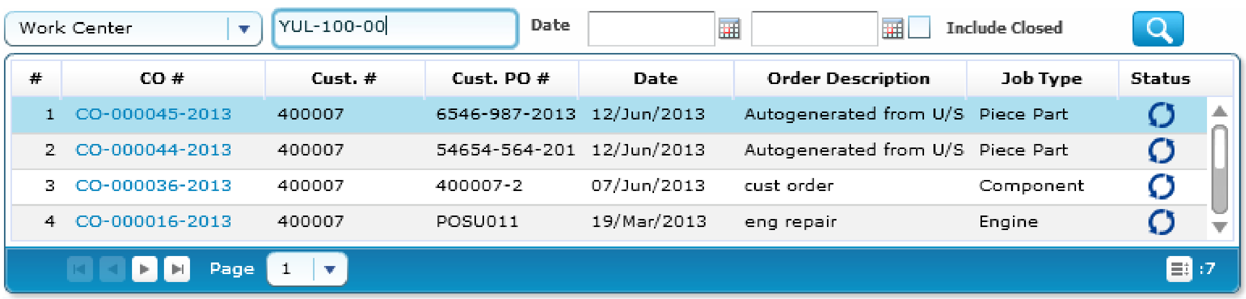
Functionality Details

a. **Major CO buckets**: The top most section list shows the various buckets in logical order under which the customer orders are categorized based on the stage of processing. On screen launch none of the buckets will be activated. Only on click of the buckets, sub-buckets will be shown.

b. **CO Sub-buckets and their count**: "All Orders" bucket has various sub-buckets based on the kind of follow up actions needed. This section is shown below with the major bucket showing sub-buckets. The total number of orders against each sub-bucket is also shown at the adjacent position. On click of each sub-bucket the associated list of customer order details will be listed in adjacent section.



c. **List of Customer orders and search**: The list of customer orders under each bucket and sub-bucket combination can be viewed. The grid section shows the basic information on the CO in logical sequence. The CSM can view detailed Execution and Commercial details on click of the CO#. However, if there are too many records, it will be difficult for the CSM to view the entire details, in which case search option can be used to filter the list based on various CO filters.



Supported Use Cases

<u>Use Case</u>: Customer service manager reviews all the orders based on the job types of customer orders.

Steps to follow:

1. On screen launch, the CSM will select the bucket as “All Orders”.
2. The sub-buckets will be listed in the left section. All count of the orders except the cancelled ones will be listed in the left section.
3. The CSM will specify the Shop Job Type as “Engine” in the search by editable field and will click on “Go” button. All the orders that are with engine parts will be listed in the multiline.
4. The CSM will click on the order against which he wants to view the details. On click of the order #, the customer details, work execution details and commercial details will be displayed in the section at the bottom.

Points to Note

- The following links are not activated yet.
  - ✓ Under Work Execution Details – Execution Document, if Shop Work Order
  - ✓ Shipment Reference

- The following link with automatic retrieval of data is not activated yet.
  - ✓ Under Quick links - Manage Service Pricelist

Ability to define the markup factor on order level additional charges and compute and display the same in quote & billing screens

Reference: AHBE-1230, AHBE-1299, AHBE-2021

Background

Currently, through the **Record Additional Charges** on Order framework, any expenses incurred by the MRO service providers can be passed on to the customer, at cost. There is no provision to charge markup on the same. Through this change, facility has been provided to add markup on the additional charges.

Currently, supplier expense invoice can be recorded with reference to a SWO / AME generated against a customer order. The same can be recorded directly against a customer order. However, this information has to be manually fed into **Service Sale Billing**, so as to pass on the charge to the customer. Through this change, provision has been made to automate the inclusion of additional charges on the customer order, in order to facilitate billing the customer.

Change Details

The following changes have been effected in **Record Additional Charges** on Order page of the **Customer Service Order** business component.

1. **Provision to automatically inherit the expenses from Supplier Expense Invoice:**

    a. <u>Same role managing the expense invoice and customer billing</u>: A new option setting has been introduced in **Set Sales Process Parameters** to automatically inherit the charges into customer order. If this option is set as "Yes", then upon authorization of the supplier expense invoice, the system automatically saves the expense information against the customer order under "Additional Charges On Customer Order' page using the default charge, variant code and the mark-up percentage. User can modify these default values as required. Refer Exhibit 1 and 2 for the set options.

    b. <u>Different roles managing the expense invoice and customer billing</u>: If the new option setting is set as "No", then the expenses recorded by way of supplier expense invoice will be queued up in the **Customer Order Level Additional Charges** page. The commercials personnel can retrieve these details by clicking the "Get" pushbutton provided in the screen. The count of records pending to be included in the additional charges list is indicated next to the "Get" pushbutton. The commercials person, after retrieving the basic invoice details, can specify the charge, variant code, the applicable markup and save the details. The "Indicator" column (I) in the multiline will display the records that are retrieved newly from the expense invoice. Refer Exhibit 1 and 2 for the details.

2. Provision to apply markup on additional charges:

Three new fields are added to record the additional charges at order level with a provision to define markup for flat charges. Once recorded, this charge rate along with the markup information will be subsequently flown into quotation and billing additional charge details.

Exhibit-1

Changes made in **Set Sales Process Parameters** screen.

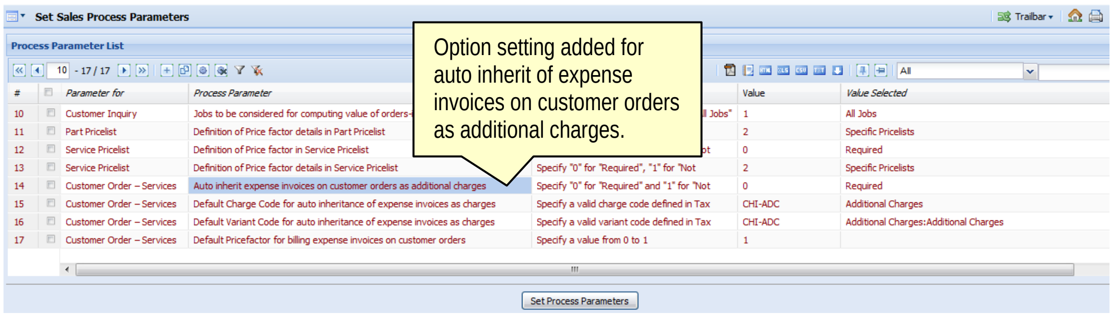


Exhibit-2

Changes made in **Record Additional Charges on Order** screen.

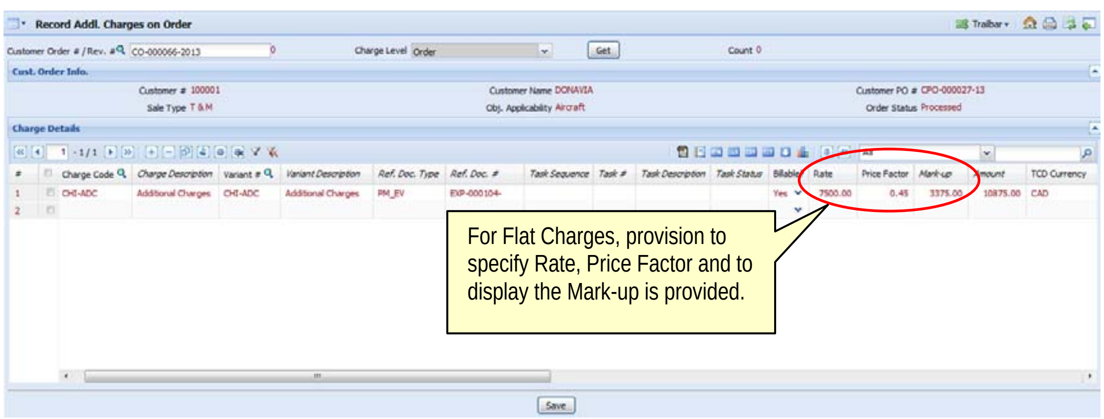


Exhibit-3

Additional Charges screen in **Manage Sale Quotation**.

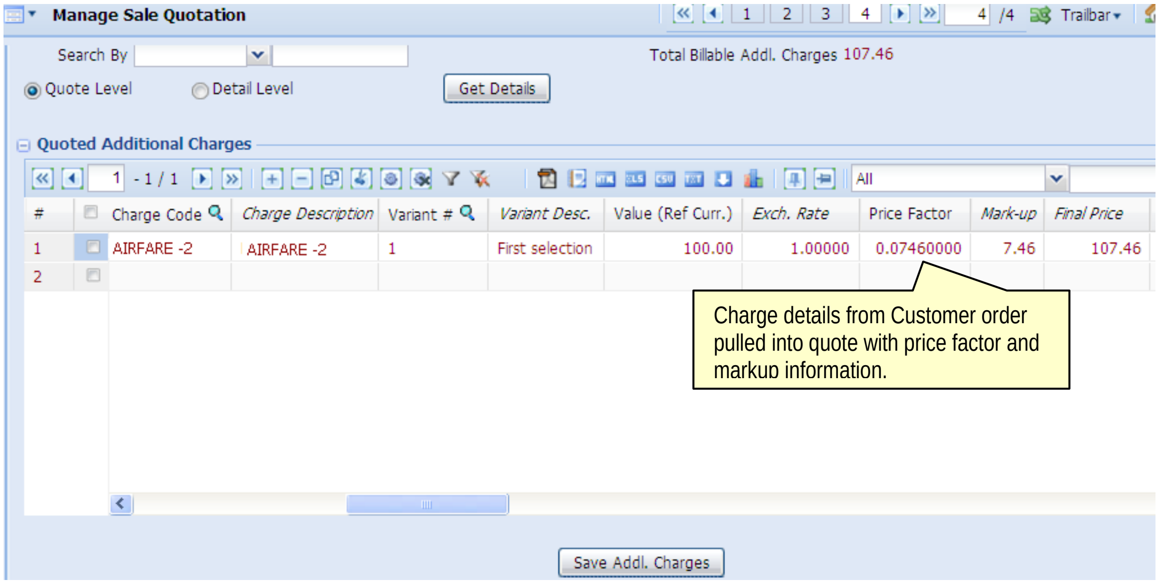
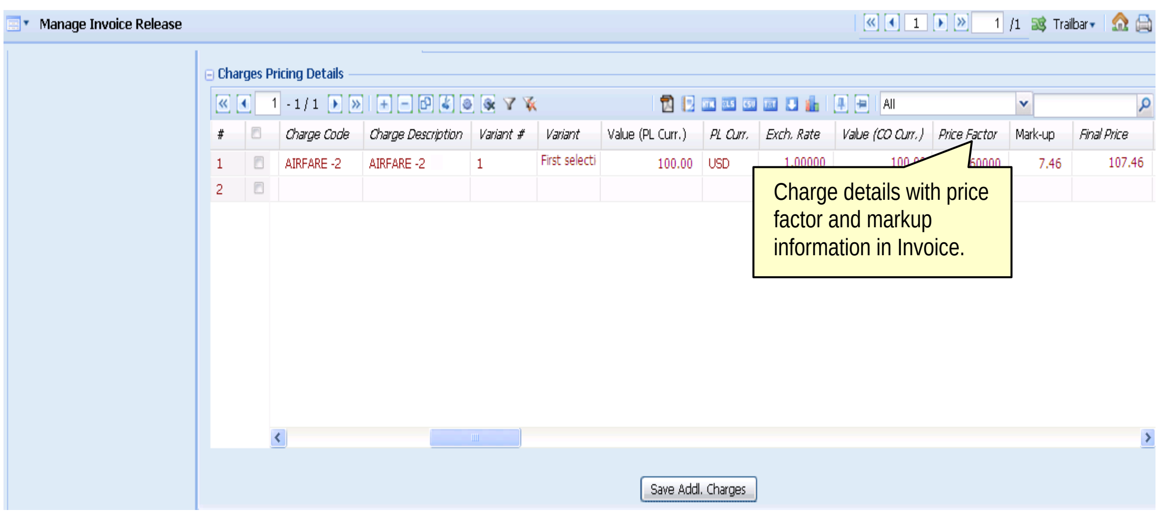


Exhibit-4

Additional Charges screen in Manage Invoice Release.



WHAT'S NEW IN SALE QUOTATION & SERVICE SALE BILLING

Ability to define the price factor details for parts and the provision to display the same in Sale Quote & Billing;

Ability to split and define the resource pricing rate into base rate and markup with a further provision to define details for markup and display the same in Sale Quote & Billing

Reference: AHBE-1252, AHBE-2506, AHBE-2150, AHBE-2250, AHBE-2508, AHBE-1196

Background

System currently facilitates definition of price factors for parts as a rate to be applied on a specific rate card. There is no provision to define the details of the price factor in the parts pricelist. This did not address the need of the contracts where the finance invoice is served with utmost transparency including the detailed breakup of the markup which may comprise of material handling charges, charges of the marketing team, commission, etc. Similar needs exist in case of resource pricing too. But, service pricelist currently facilitates definition of final billable resource rates and there is no provision to define the base rate and the markup. Hence, this change is made to facilitate the following:

1. Provision to define the details of the markup in Part Pricelist and visibility of this info in the materials section of quote & billing functions
2. Provision to define the base rate & markup in Service Pricelist, along with a provision to define the details of the markup in service pricelist and the visibility of these info in the resource section of quote & billing functions

Change Details

The changes referred above have been controlled thru' new option settings in 'Set Sales Process Parameters', as given below:

1. Parameter 1 => "Definition of price factor details in Part pricelist" with an option to set 'Required', 'Not Required' or 'Specific Pricelist' (Set as 'Not Required' by default)
2. Parameter 2=> "Definition of price factor in service pricelist" with an option to set as ''Required' or 'Not Required' (Set as 'Not Required' by default)

3. Parameter 3=> “Definition of price factor details in service pricelist ” with an option to set ‘Required’, ‘Not Required’ or ‘Specific Pricelist’ (Set as ‘Not Required’ by default)

The screen appearance and the behavior will be controlled by the said 3 parameters as explained in the following sections.

Changes with respect to Part Pricelist and Material Pricing Info in Quote & Billing:

Parameter 1 will govern the appearance of the part pricelist screen and the logic for materials tab in quote & billing screens as given below:

1. Option set as ‘No’ => the existing screen behavior and logic will continue in pricelist, quote and billing screens.
2. Option set as ‘Required’ => In part pricelist, the user will have an option to define if the price factor details have to be set at ‘Document Level’ or ‘Line Level’. The user can select the value as ‘Document level’ if the price factor details are common across all the price factor definitions made in the ‘Factor Pricing’ tab of parts pricelist. ‘Line Level’ definitions can be made, if each line in the factor pricing tab has different markup rate and the breakup details are different for each line. A new tab “Price Factor Details’ will be enabled for the user to define the price factor detail at document level or line level. The screen shots explaining these changes are given below.
3. Note: In the new tab on ‘Price Factor Details’, all the values defined in Category master under the entity ‘Price Factor details – Materials’ would be made available.
4. In ‘Materials’ section of quote and billing screens, a new link is enabled to view the breakup details by way of a report.
5. Option set as ‘Specific Pricelist’=> In this scenario, the user will get to set at the part pricelist level, if price factor details are applicable for that pricelist. If selected as ‘applicable’, then the screen will behave in the way as specified in point b above. If selected as ‘Not applicable’, then the screen will behave in the way as stated in point a above.

Changes with respect to Service Pricelist and Resource Pricing Info in Quote & Billing:

Parameter 2 & 3 will govern the appearance of the service pricelist screen and the logic for resource tab in quote & billing screens as given below:

a. When the option on ‘Definition of Price factor in service pricelist’ (Parameter 2) is set as ‘Not Required’, then the parameter to define price factor details (Parameter 3) is not applicable. For this option setting, Service pricelist, Quote & Billing screens will continue to behave in the same way as they are now. If this option for parameter 2 is set as ‘Required’, then option for parameter 3 on price factor details can be set as ‘Required’ or ‘Not required’ or ‘Specific pricelist’.

b. If the price factor for resources (parameter 2) is set as ‘Required’, then the user will get an option to specify the base rate and the markup % on the base rate (for normal & OT hours) in the resource pricing tab of the service pricelist, as against the current definition of the final billable rate for resources.

c. The behavior of Service Pricelist, quote & billing screens for parameter 3 will be the same as the behavior of parameter 1 in part pricelist, quote & billing screens.

Note: In the new tab on ‘Price Factor Details’ in service pricelist, all the values defined in Category master under the entity ‘Price Factor details – Resources’ would be made available.

<u>Exhibit-1</u>

Changes made in the **Set Sales Process Parameters** screen

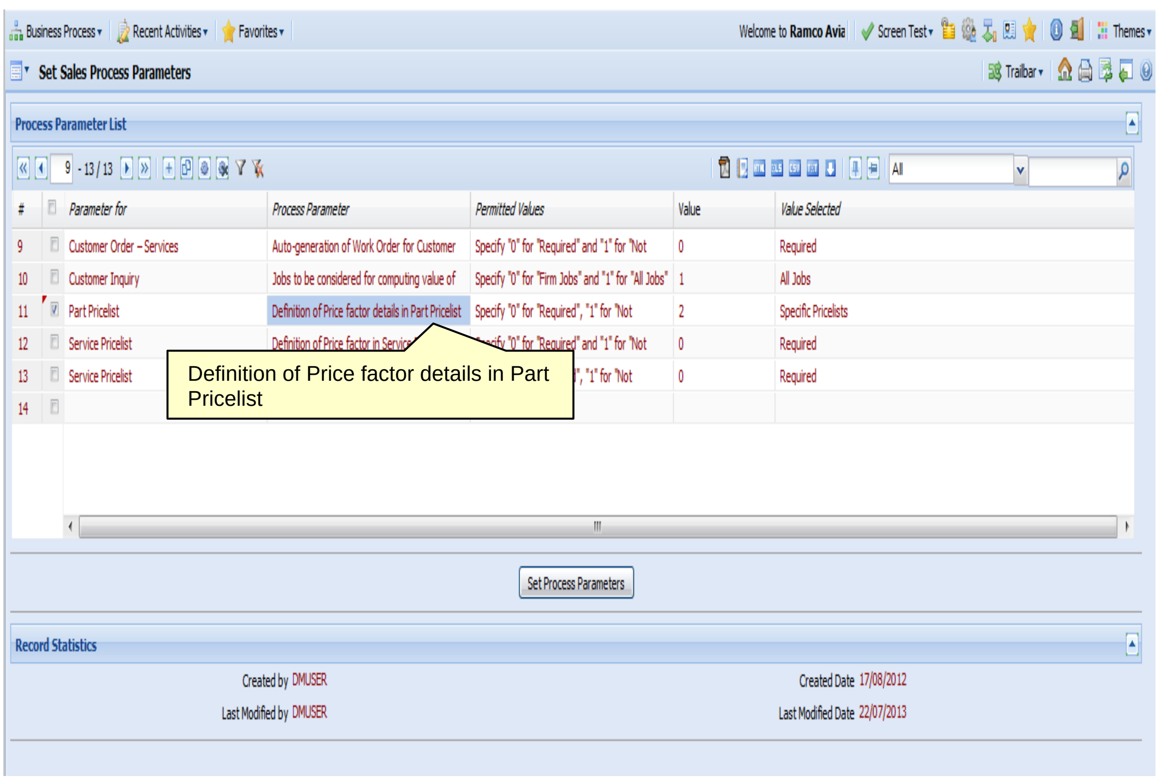


Exhibit-2

Changes made in the **Manage Part Pricelist** screen

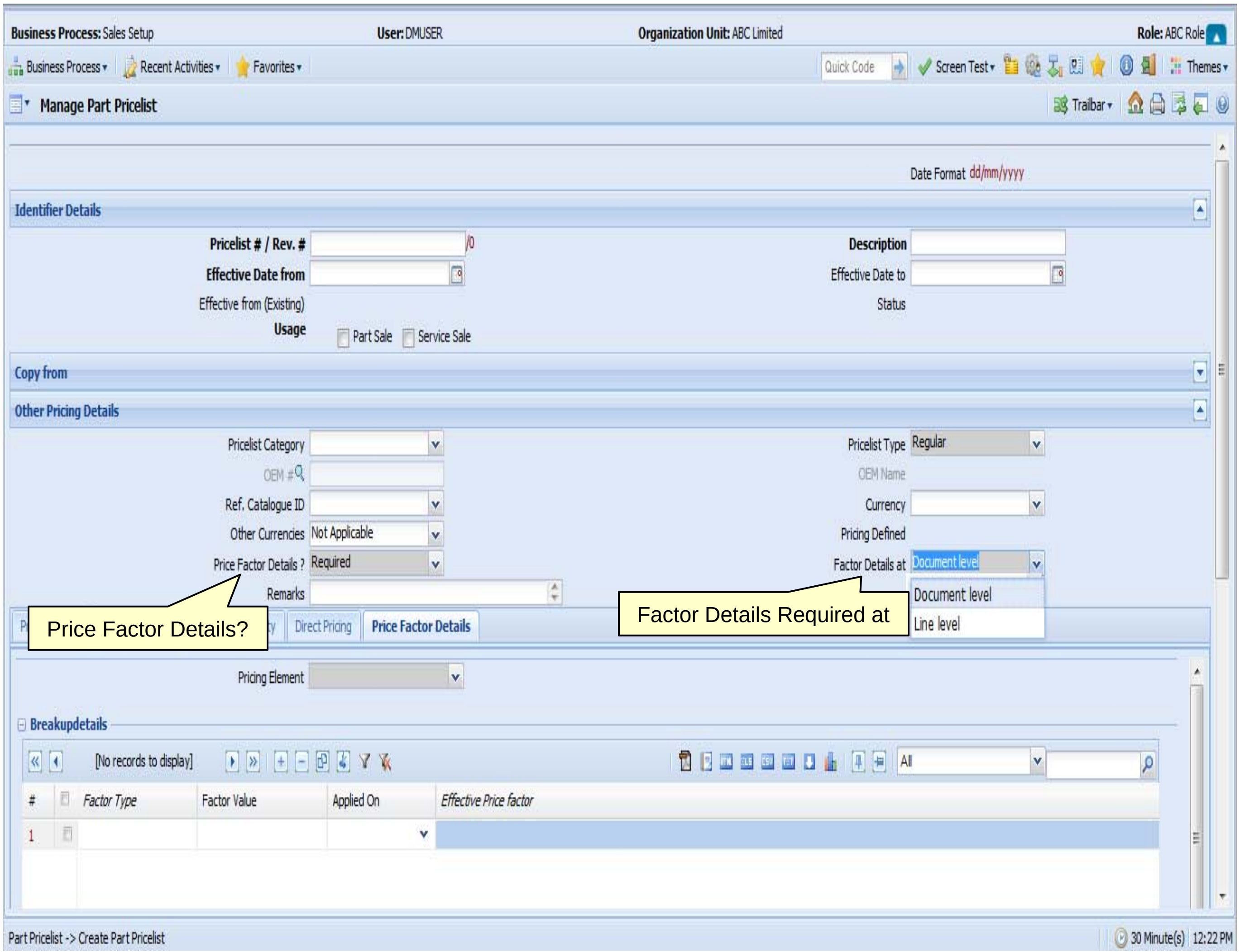


Exhibit-3

Changes made in the **Manage Part Pricelist** screen

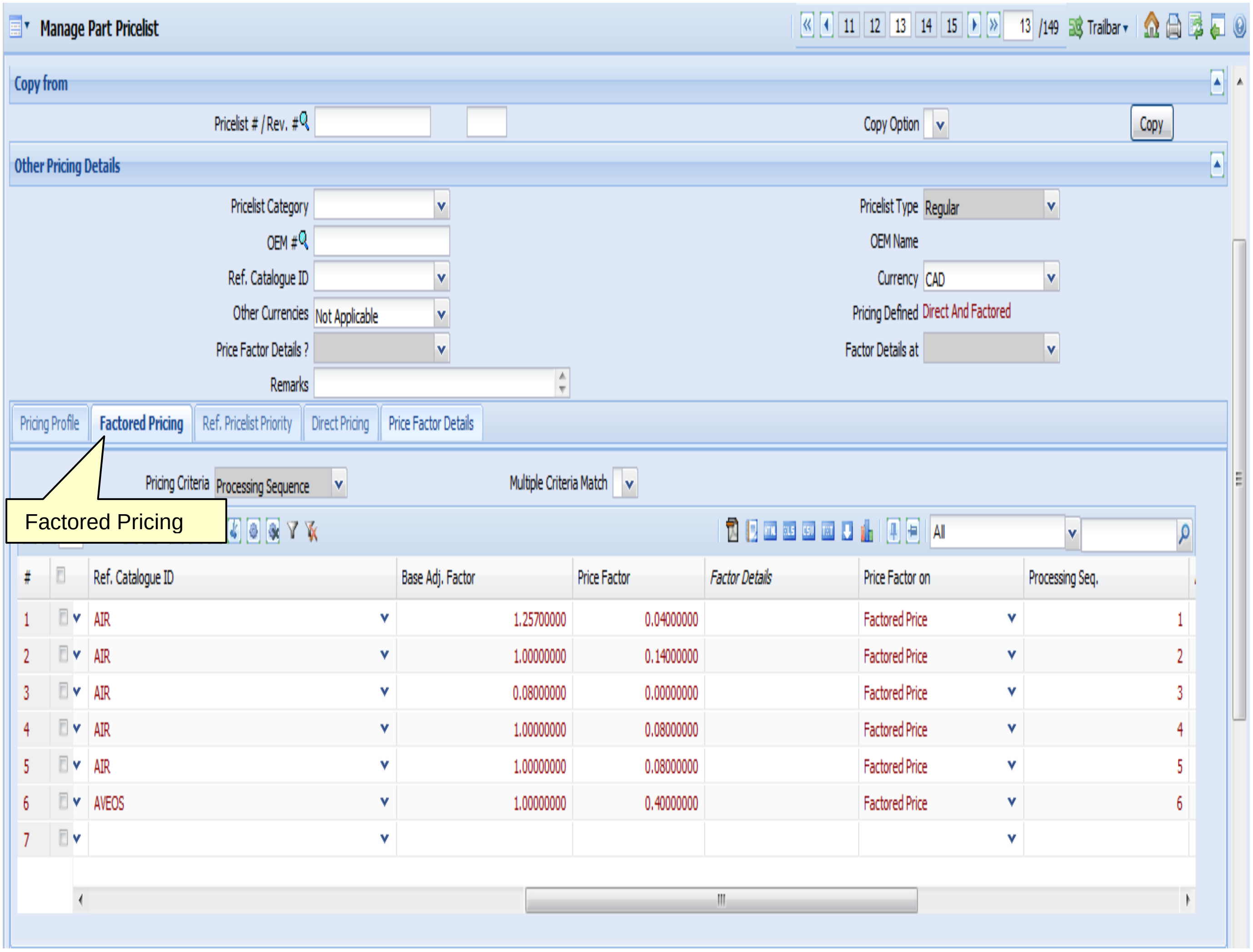


Exhibit -4

Changes made in the **Manage Part Pricelist** screen

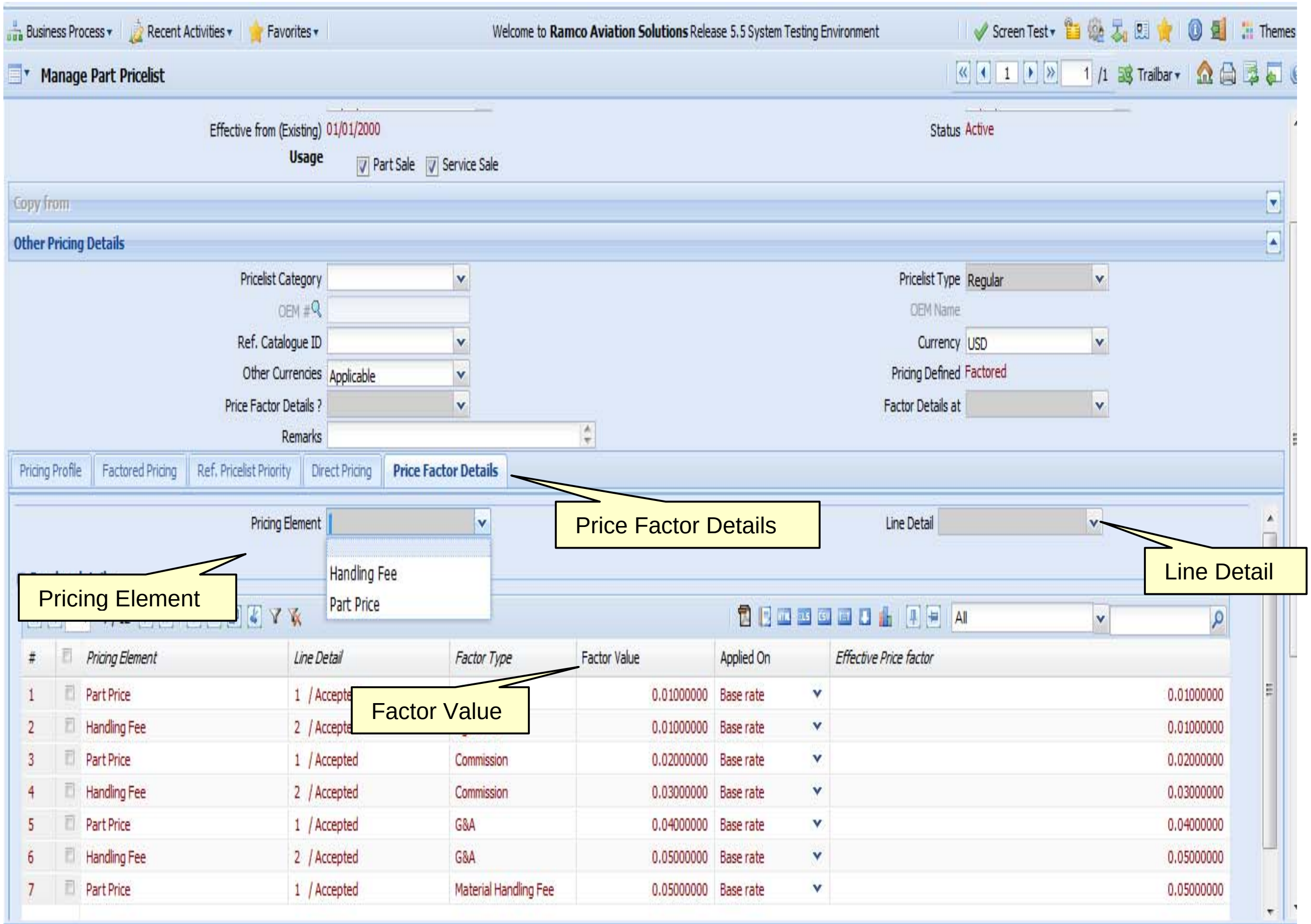


Exhibit-5

Category Master screen

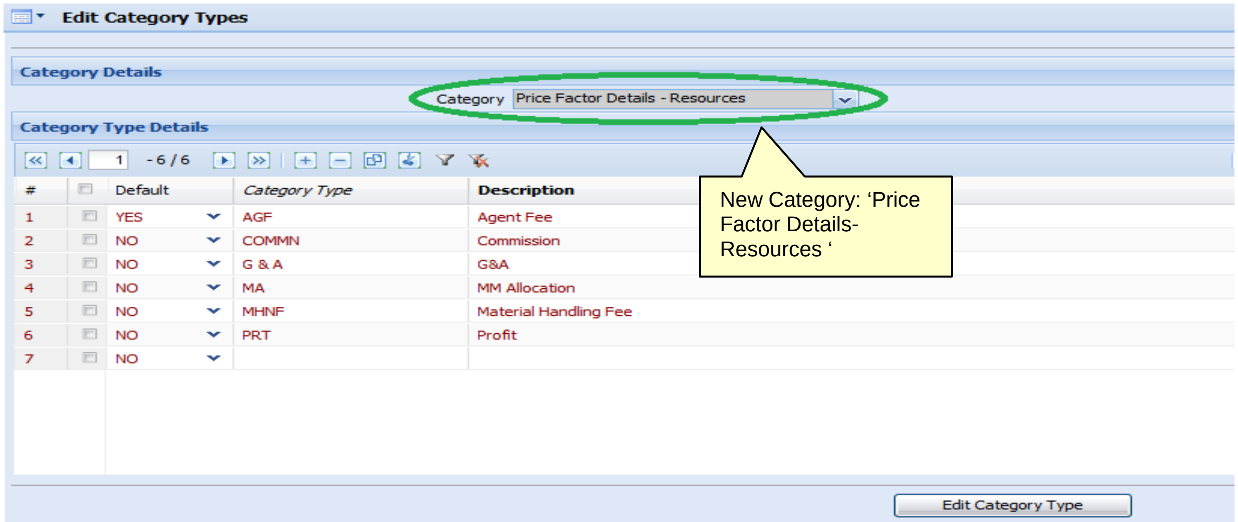


Exhibit-6

Scenario 1: No price factor & No price factor details

Screen: Customer- Set Process Parameters

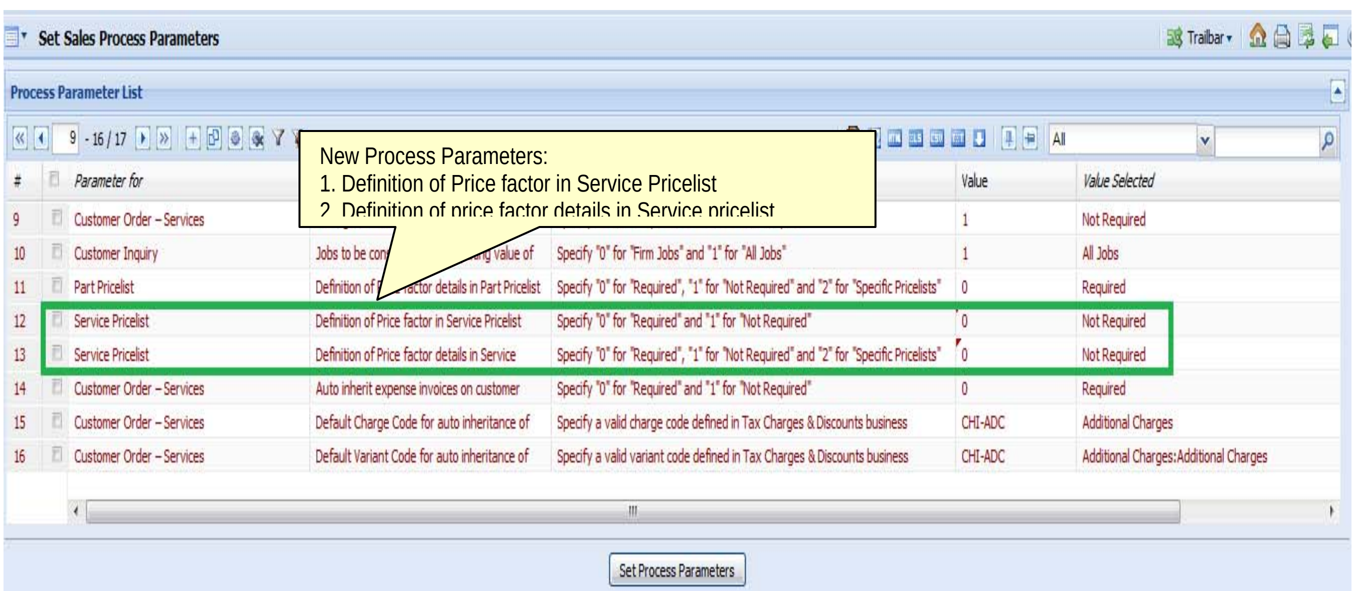


Exhibit-7

Scenario 1: No price factor & No price factor details

Screen: Service pricelist- **Create Service pricelist**

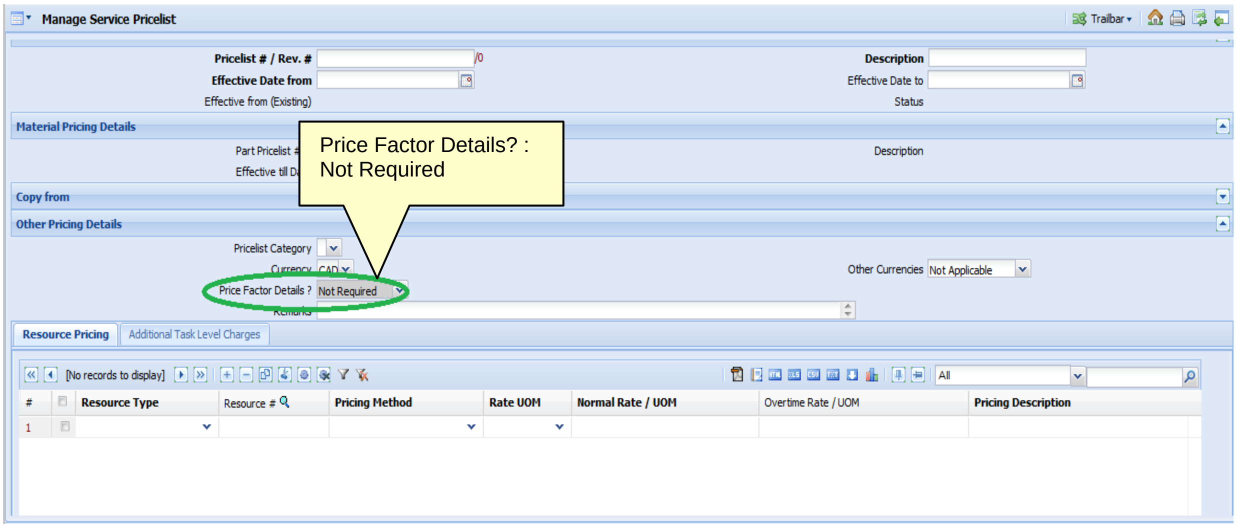


Exhibit-8

Scenario 2: Price factor required & Price factor details not required

Screen: **Customer**- Set Sales Process Parameters

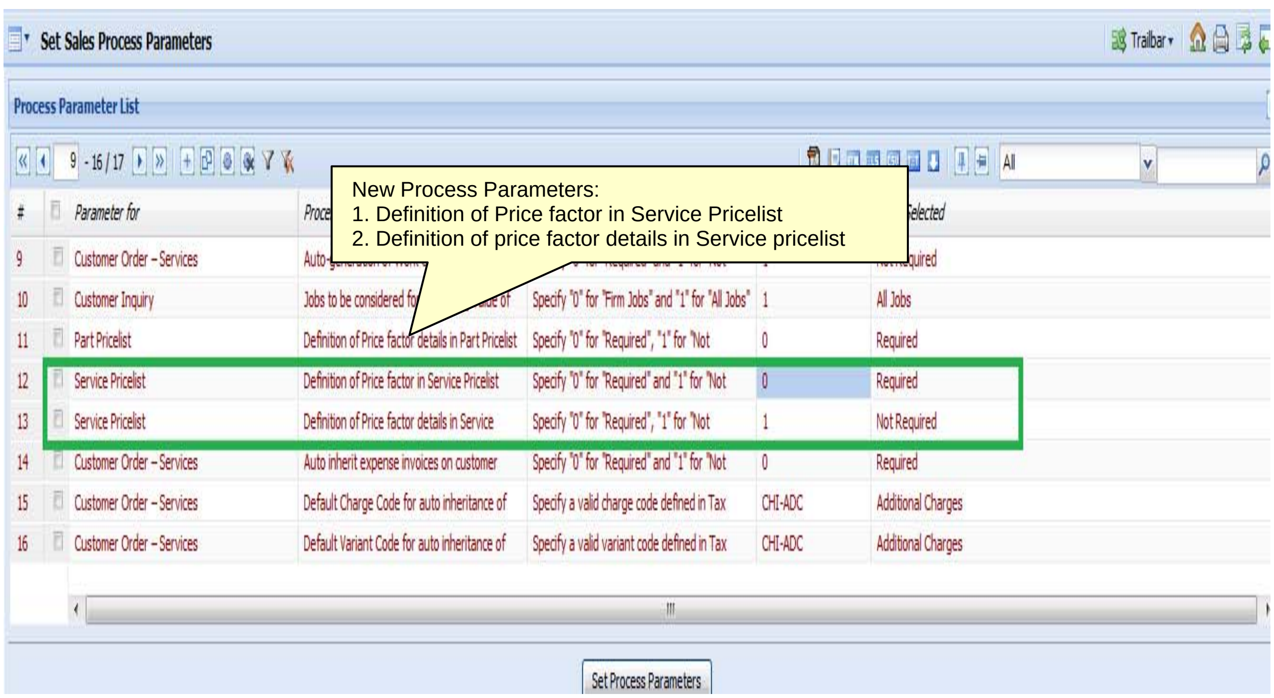


Exhibit-9

Scenario 2: Price factor required & Price factor details not required.

Screen**:** Service pricelist**- Create Service pricelist**

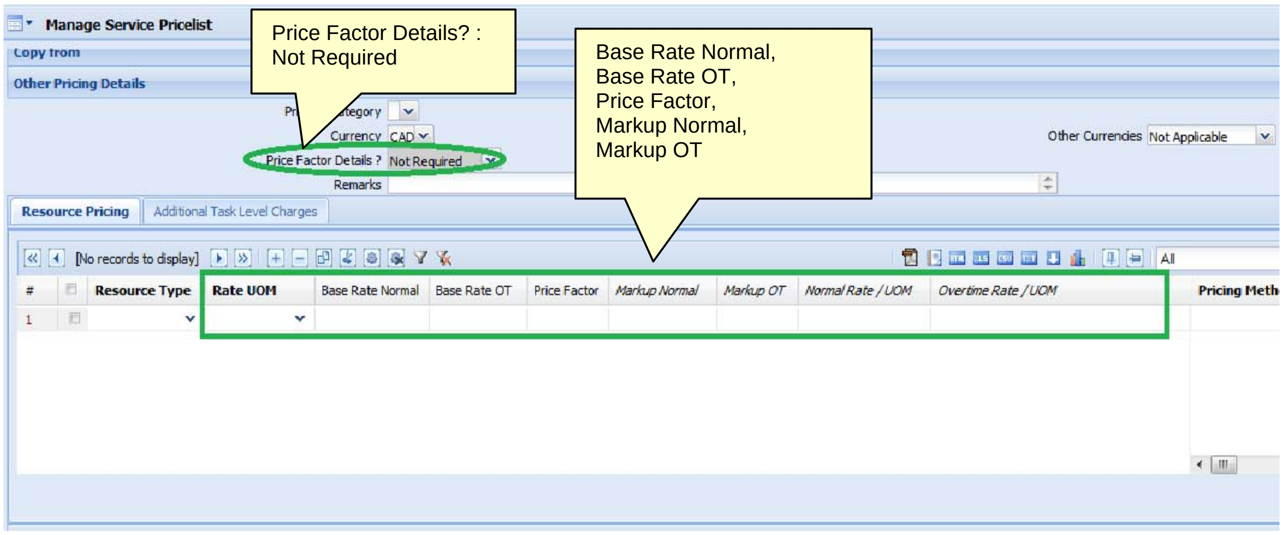
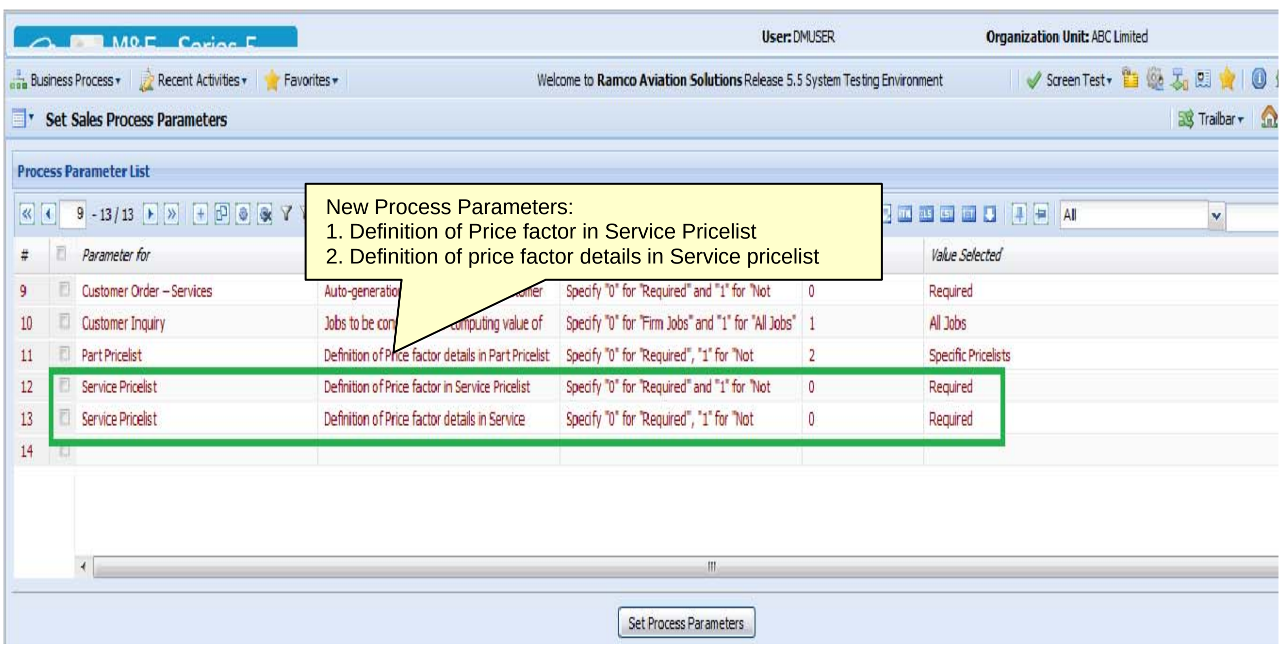


Exhibit-10

Scenario 3: Price factor required and price factor details at document level

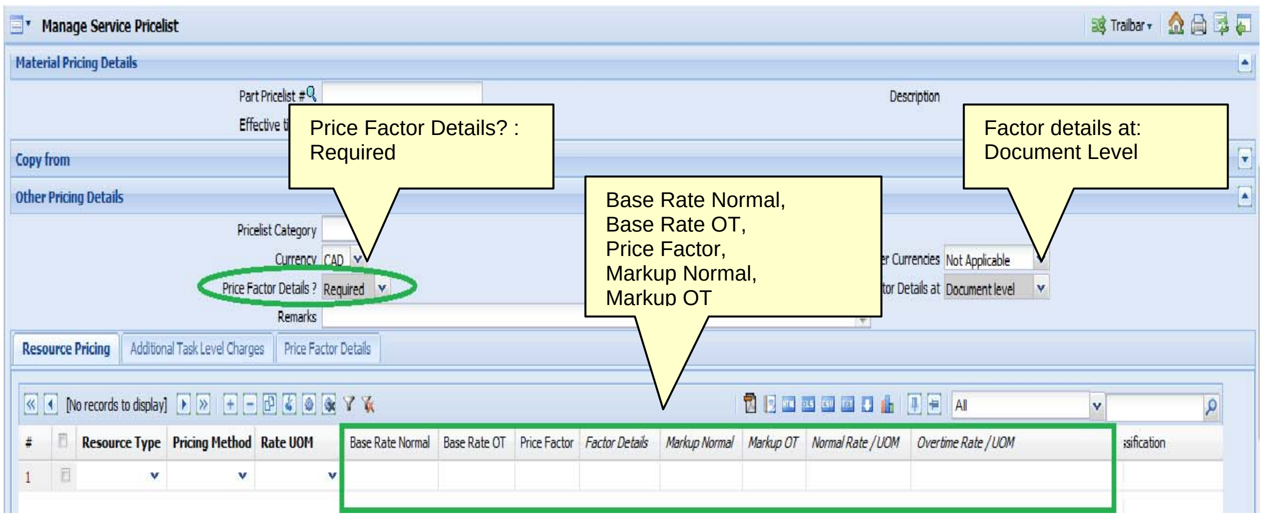
Screen: Customer-**Set Sales Process Parameter**



<u>Exhibit -11</u>

<u>Scenario 3: Price factor required and price factor details at document level</u>

Screen: Service Pricelist- **Create Service Price List**



<u>Exhibit 12</u>

<u>Scenario 3: Price factor required and price factor details at document level</u>

Price Factor Details Tab

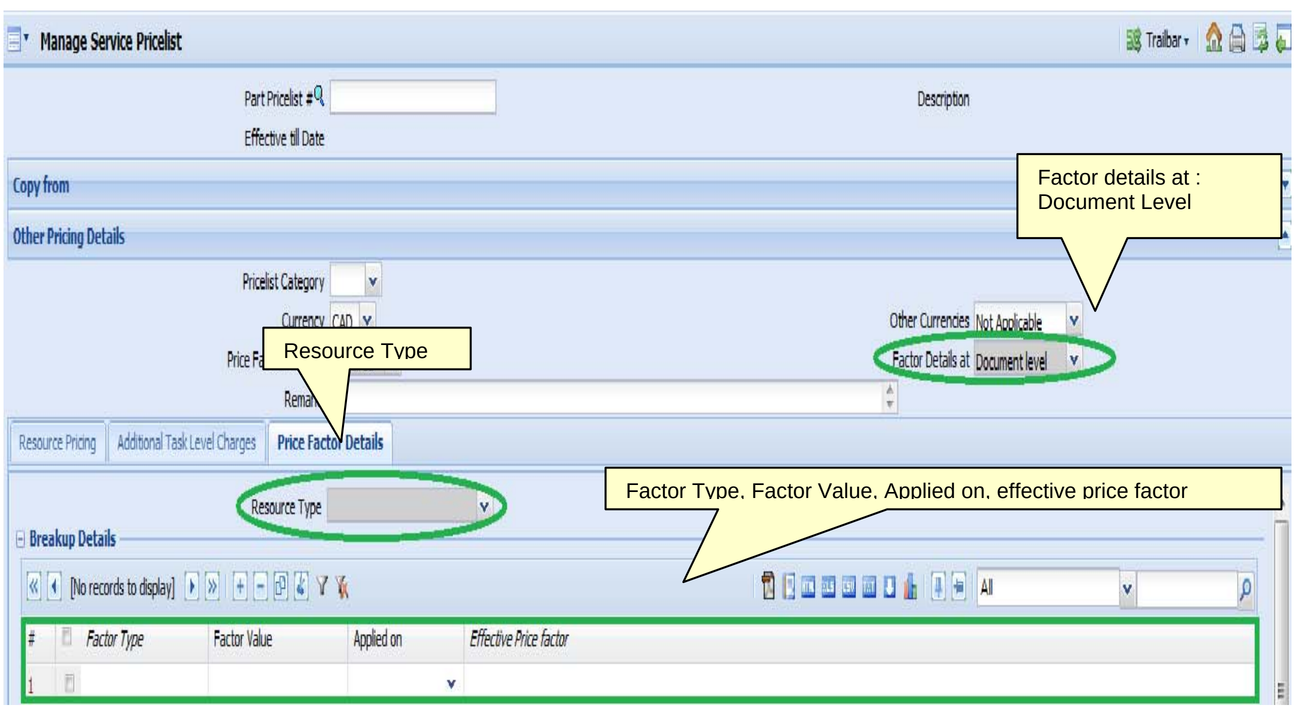


Exhibit 13

Scenario 4: Price factor required and price factor details at line level

Screen: Customer**- Set Sales Process Parameters**

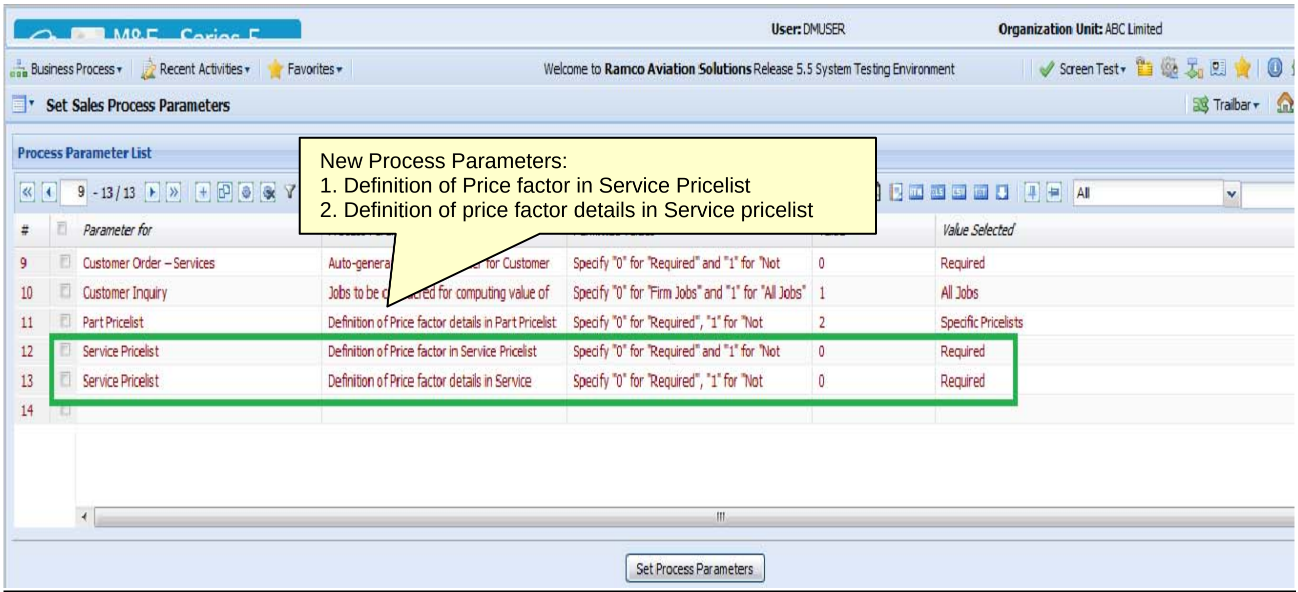


Exhibit 14

Scenario 4: Price factor required and price factor details at line level

Screen: **Create Service Pricelist**

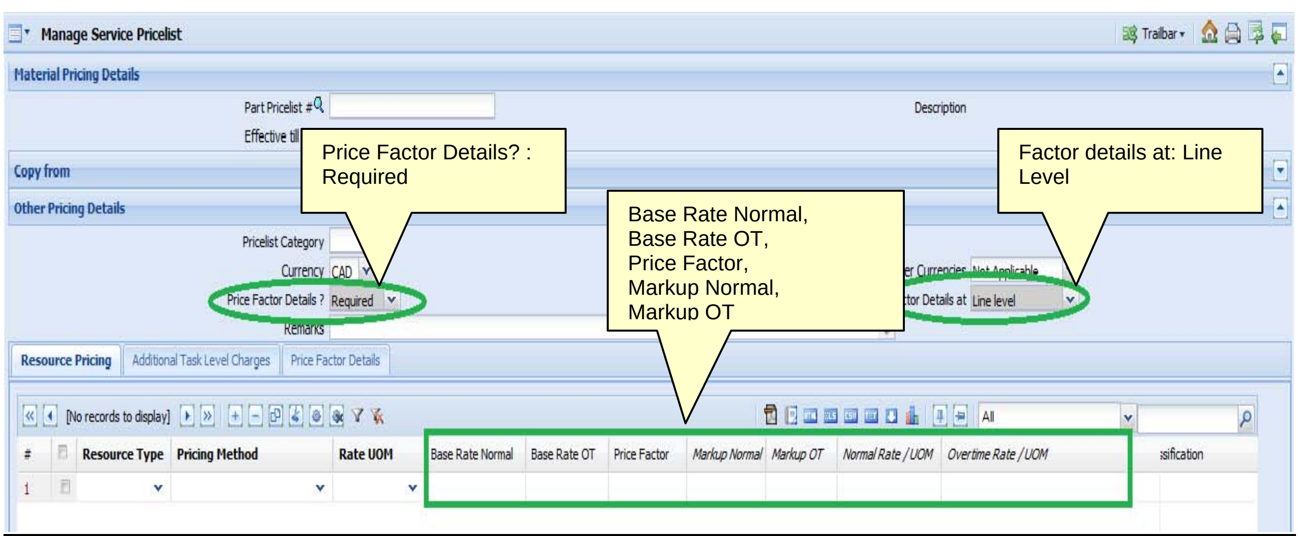


Exhibit 15

Scenario 4: Price factor required and price factor details at line level

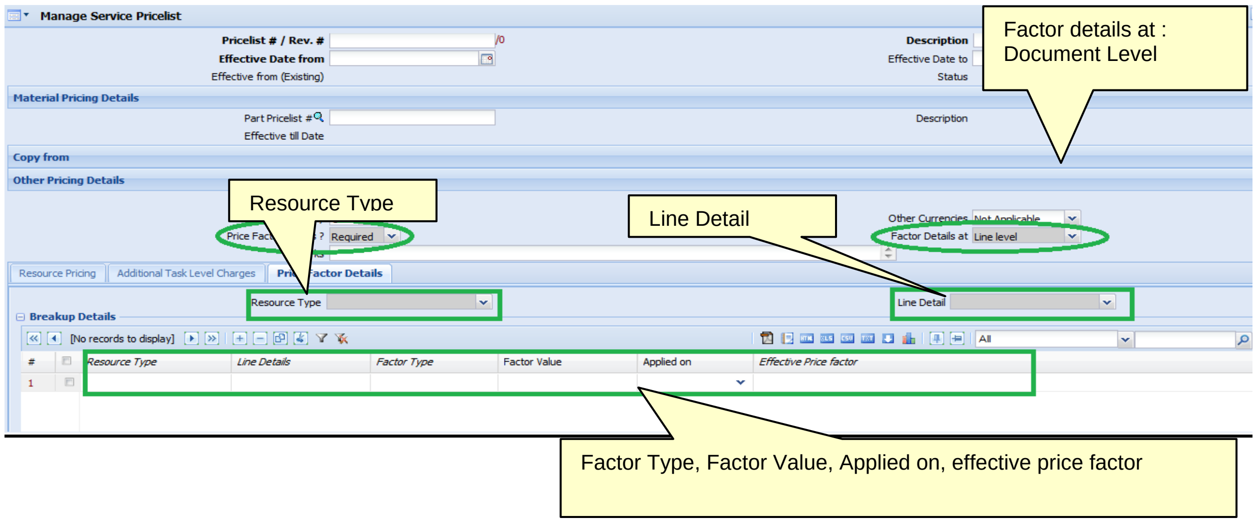


Exhibit-16

Changes to **Manage Sale Quotation** screen

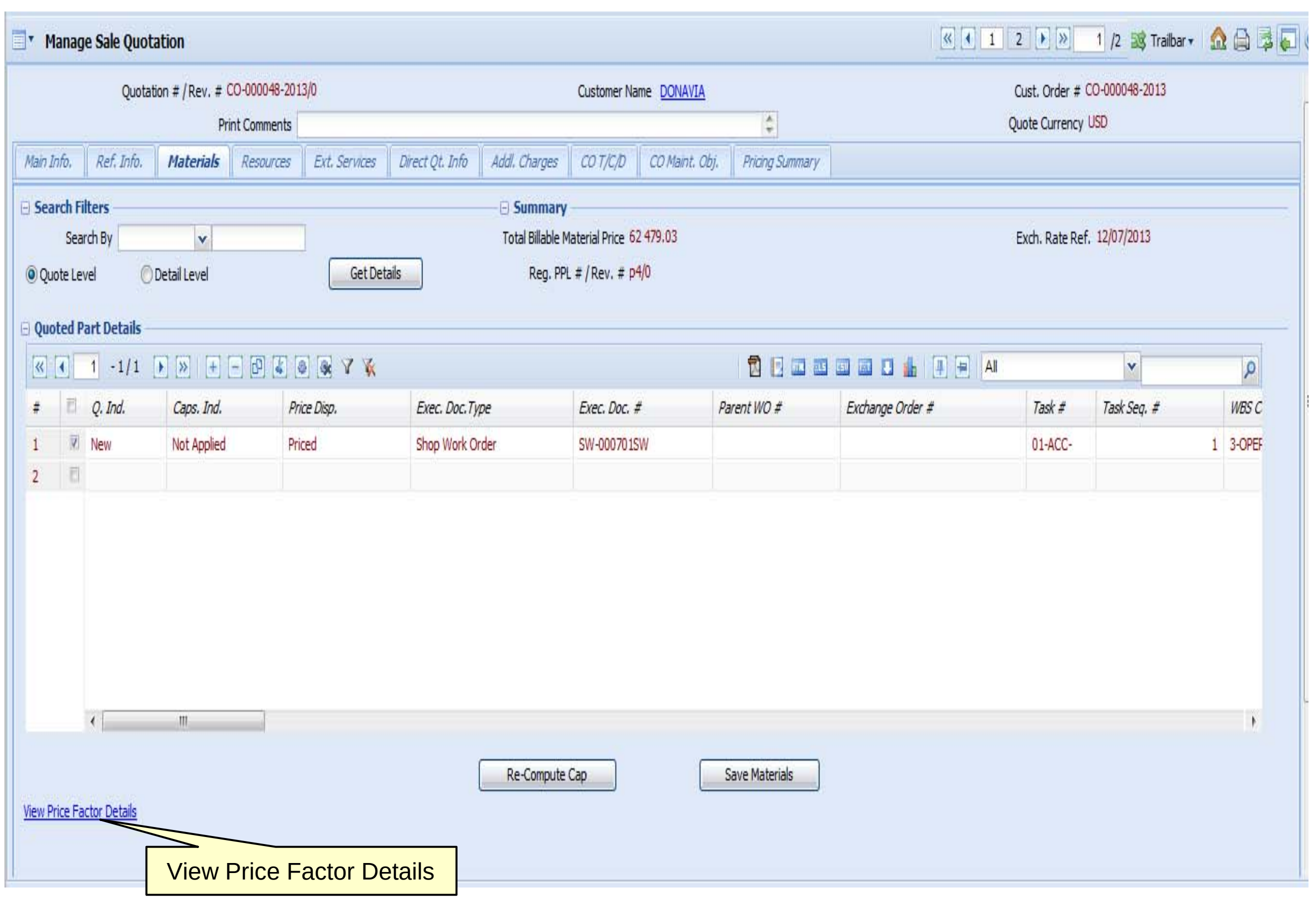
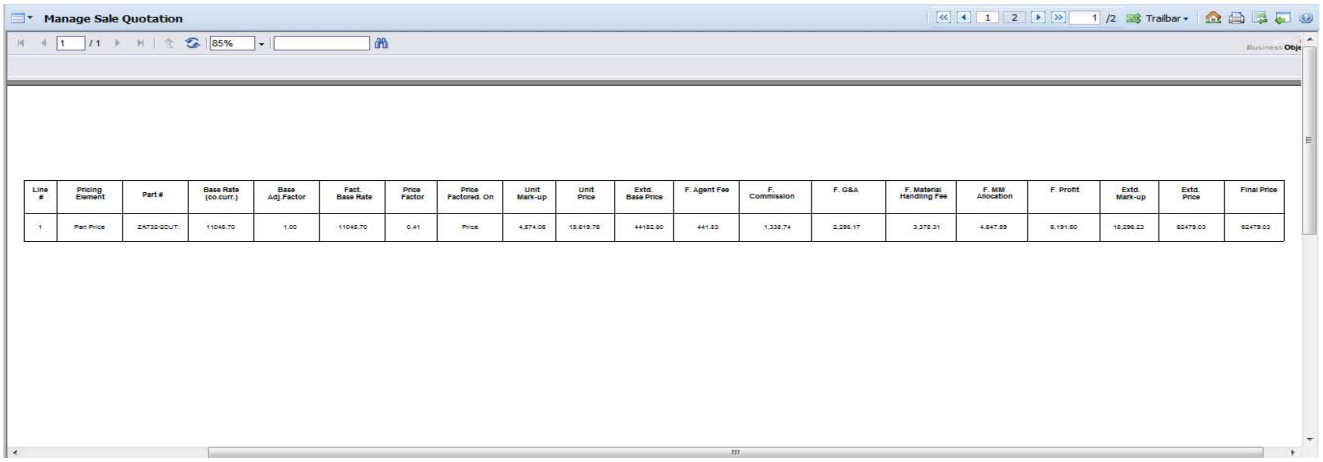


Exhibit-17

Price Factor Details-Report generated from **Manage Sale Quotation** screen "Without Caps"



Line #	Pricing Element	Part #	Base Rate (co.curr.)	Base Adj.Factor	Fact. Base Rate	Price Factor	Price Factored. On	Unit Mark-up	Unit Price	Extd. Base Price	F. Agent Fee	F. Commission	F. G&A	F. Material Handling Fee	F. MM Allocation	F. Profit	Extd. Mark-up	Extd. Price	Final Price
1	Part Price	ZA732-2CUT:	11045.70	1.00	11045.70	0.41	Price	4,574.06	15,619.76	44182.80	441.83	1,338.74	2,298.17	3,378.31	4,647.59	6,191.60	18,296.23	62479.03	62479.03

Line #	Pricing Element	Part #	Base Rate (co.curr.)	Base Adj.Factor	Fact. Base Rate	Price Factor	Price Factored. On	Unit Mark-up	Unit Price	Extd. Base Price	F. Agent Fee	F. Commission	F. G&A	F. Material Handling Fee	F. MM Allocation	F. Profit	Extd. Mark-up	Extd. Price	Final Price
1	Part Price	ZA732-2CUT:	11045.70	1.00	11045.70	0.41	Price	4,574.06	15,619.76	44182.80	441.83	1,338.74	2,298.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	62479.03

Price Factor Breakup Columns

F. Agent Fee	F. Commission	F. G&A	F. Material Handling Fee	F. MM Allocation	F. Profit
441.83	1,338.74	2,298.17	3,378.31	4,647.59	6,191.60

Price Factor Breakup Details

Exhibit-18

Changes to **Manage Invoice Release** screen

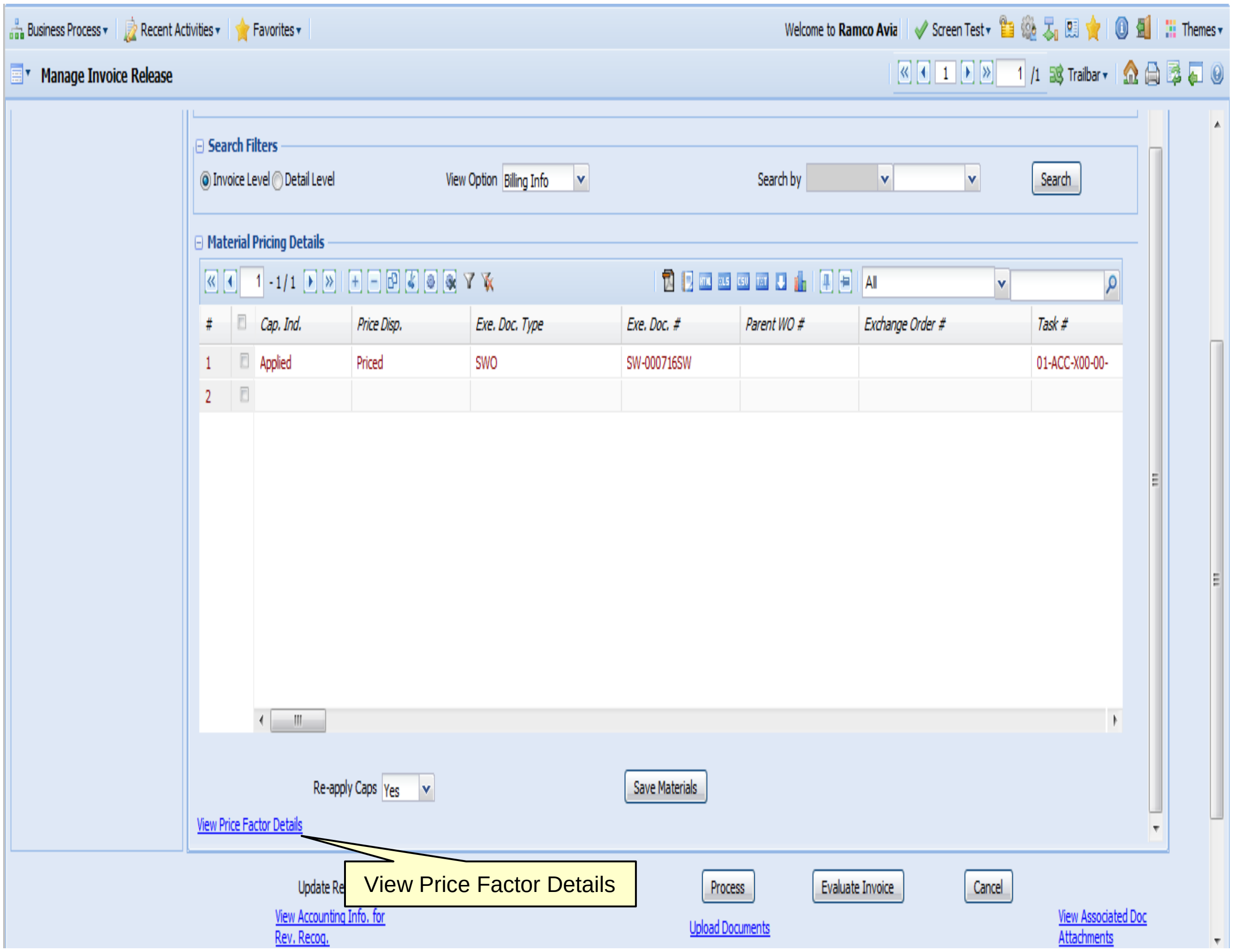


Exhibit-19

"Price Factor Details"-Report generated from **Manage Invoice Release** screen "With Caps"

#	Pricing Element	Part #	Base Rate (CO.Curr.)	Final Base Rate	Fact. Base Rate	Final Unit Mark-up	Final Unit Price	Extd. Base Price	F.Agent Fee	F.Commission	F.G&A	F.Material Handling	F.MM Allocation	F.Profit	Final Extd. Mark-up	Final Extd. Price
1	Part Price	0-1109058	3363.00	3363.00	3363.00	1614.24	4977.24	20178.00	201.78	3026.70	605.34	[illegible]	[illegible]	[illegible]	[illegible]	28678.00

Price Factor Breakup Details

F.G&A	F.Material Handling	F.MM Allocation	F.Profit	Final Extd. Mark-up	Final Extd. Price
605.34	807.12	1008.90	4035.60	8500.00	[illegible]

Price Factor Breakup Details

Exhibit-20

Screen: **Manage Sale Quotation**

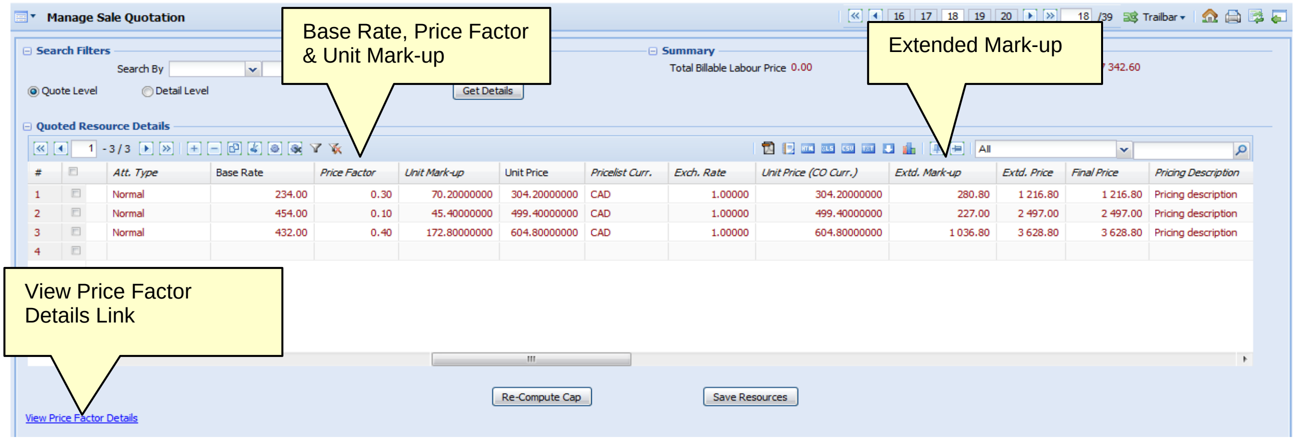


Exhibit-21

Screen: **Manage Invoice Release**

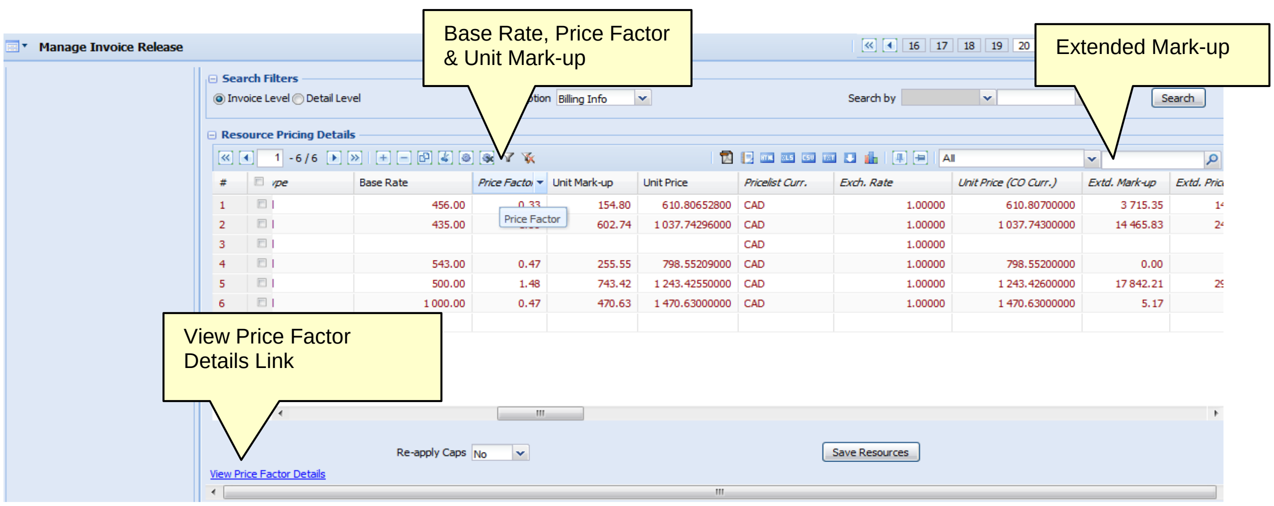


Exhibit 22

Screen: **Without Caps Report**

Line #	Resource Type	Resource Description	Resource #	Att. Type	Base Rate	Price Factor	Unit Mark-up	Unit Price	Unit Price (CO Curr.)	F.Agent Fee	F.Commission	F.G&A	F.MM Allocation	F.Material Handling Fee	F.Profit	Extd. Markup	Extd. Price	Final Price
1	Equipment	DC Ground Power Unit	GSE054	Normal	600.00	6.39	3,834.00	4,434.00	4,434.00	180.00	396.00	712.80	1,297.30	1,235.52	1,686.48	11,502.00	13,302.00	13,302.00

Exhibit 23

Screen: **With Caps Report**

Line #	Resource Type	Resource Description	Resource #	Att. Type	Final Qty	Base Rate	Price Factor	Unit Mark-up	Unit Price	Unit Price (CO Curr.)	F.Agent Fee	F.Commission	F.G&A	F.MM Allocation	F.Material Handling Fee	F.Profit	Final Extd. Price	Max Qty	Max Extd.Price	Final Price
1	Tools	Gauge, 0-1000	0-1000 GAUGE	Normal	5.00	400.00	0.69	276.00	676.00	676.00	200.00	220.00	242.00	146.41	266.20	307.46	3,380.00		1,500.00	1,500.00
2	Equipment	Engine Welding & Tunning M/C	EWT	Normal	7.00	500.00	0.69	345.00	845.00	845.00	350.00	385.00	423.50	256.22	465.85	538.06	5,915.00		2,000.00	2,000.00
3	Others	RAMCO India Testing	TEST 004	Normal	8.00	459.60	0.69	317.12	776.72	776.72	367.68	404.45	444.89	269.16	489.38	565.24	6,213.79		3,000.00	3,000.00

Ability to manage multi level approvals for Customer Sale Quote

Reference: AHBE-3226

Background

Previously, our application supported approval / rejection of a quote by the customer immediately after approval by one login role in the application. However, this did not facilitate the control of quote by multiple levels of authorities within the organization before the quote gets released to customer for his approval. In an organization where a wide range of quote values are handled, there need to be multiple levels of control and authorization. To enable this control, provision has been given to manage quote approvals at multiple levels through workflow management component.

Change Details

Once the quote has been released for approval, the status of the quote changes to 'Under Authorization' and the document is queued up to the next higher authority for his approval as set in the workflow rules. Upon authorization at all levels of internal authorities, the status changes to 'Pending Customer Approval'.

In case the quote is not approved by any internal authority, the same can be returned back to the person who has recorded the quote. A new button **Return** has been added in the main screen of **Manage Sale Quotation** activity, to enable return of the quote in the event of the quote being not approved by internal authorities. Once returned, the status of the Quote will change to 'Returned'. Any modification done by the login role on the 'Returned' quote will change the Quote status to "Fresh' and save the changes against this status.

In the **Select Customer Order- Service** screen, two new statuses have been included in the 'Quote Status' combo **-** '**Under Authorization**' & '**Returned**' to facilitate retrieval of records based on these two statuses.

Other than quote value, workflow rules can be set based on a few other parameters given below:

Org. Unit, Quote Status, User Status, User Login Name, Sale Type, Station, Exec.Doc.Type, Warranty?, Quote Category, Quote Currency and Quote Date.

Exhibit-1

Changes made in **Manage Sale Quotation** screen

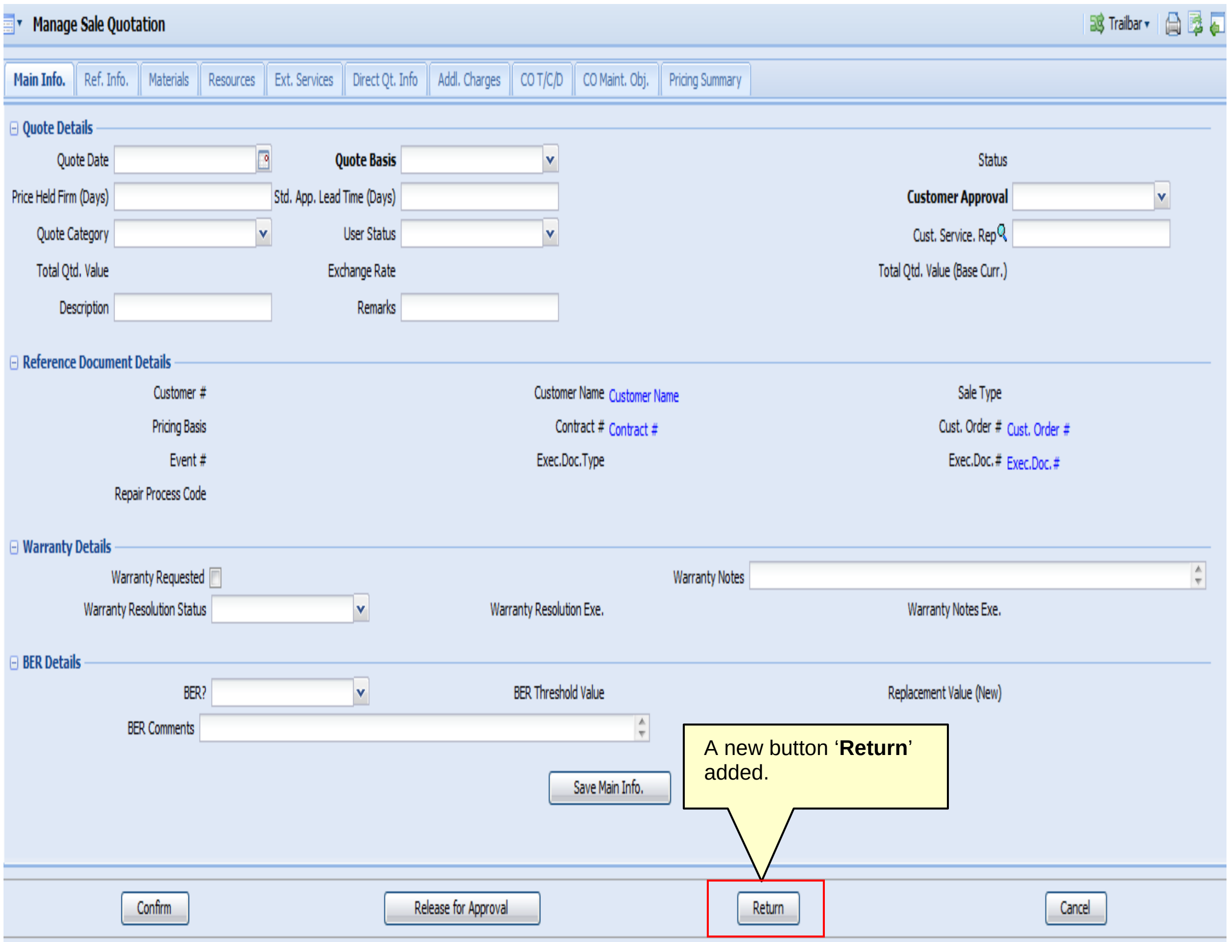
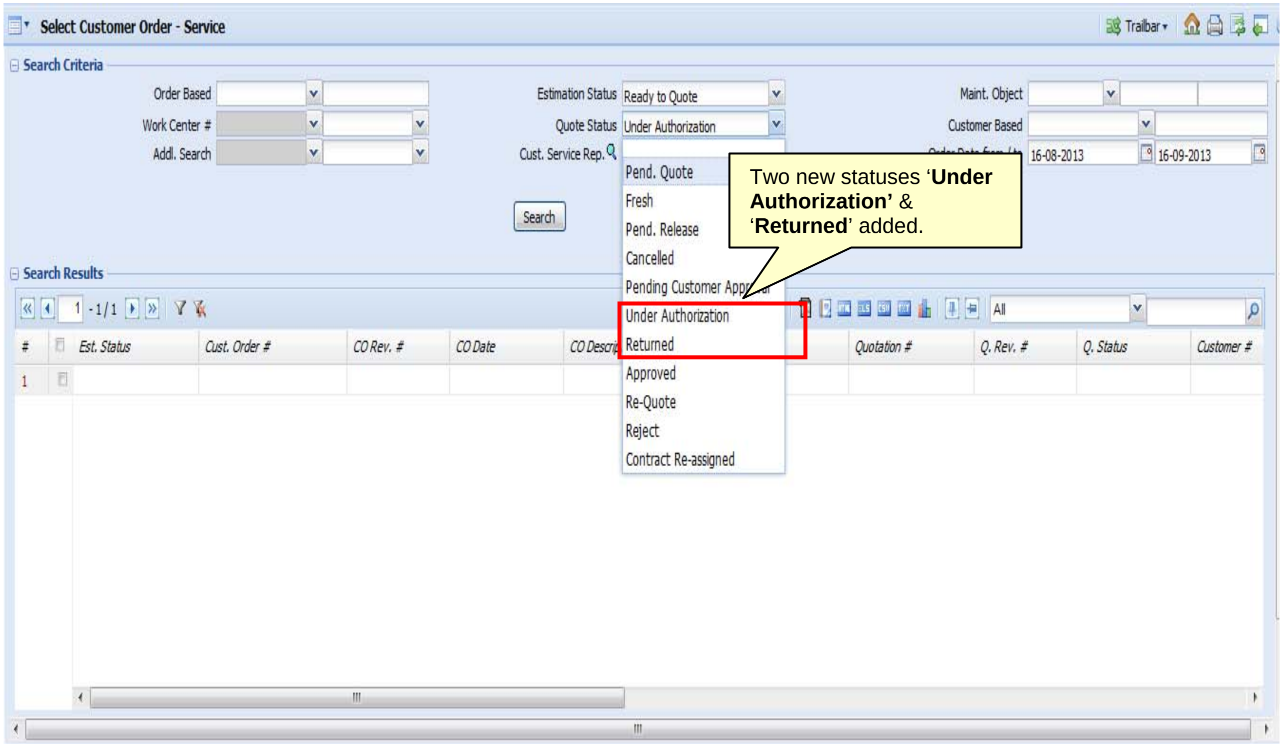


Exhibit-2

Changes made in **Select Customer Order- Service** screen



WHAT'S NEW IN FLIGHT OPERATIONS

Ability to manage the commercial aspects of contracted flight operations

Reference: AHBE-7938, 7721, 7768, 7849, 8315, 8391, 8894

Background

Application has been enhanced to address the commercial needs of the aircraft operators who are engaged in the contracted flight operations. Operators who are engaged in contracted flight operations typically enter into a contract with customers to rent out their aircraft either permanently during the contracted period or on need basis based on the request from their customers. For making the aircraft available during the contracted period, they charge their customers a standing fee every month. Also they charge their customers for the aircraft usage, fuel consumption and crew allocation. These commercial terms are typically entered in the contract and the invoice is served on the customers on a periodic basis based on the milestone as agreed.

Hence, there is a need to enhance the application to record the flight contract, capture the customer related journey info and the serve the bill on the customer as per the agreed milestone.

Change Details

The existing **Flight Operations** BPC which currently has the business components and the activities relating to scheduled operations has been enhanced to include the new component / activities relating to commercials module of contracted flight operations.

Master Data Setup:

A new component **Flight Operations Setup** has been added under the BPC **Flight Operations** to define the required master data definitions. The quick codes required for this feature has been managed under **Category** master business component.

<u>Maintain Category Codes</u>:

The quick codes required for flight operations feature are managed by the **Category** business component. As the **Category** business component currently addresses the quick code needs of the flight operations, service sale operations and the ones that are

common for both, a new entity has been added to identity the line of operation, under which all the quick codes are grouped appropriately. To effect this change, a new user interface called **Maintain Category Codes** has been added (Exhibit 1) and the existing user interfaces on “Create Category Type”, “Edit Category Type”, “Activate / In-activate Category Type” and “View Category Type” have been removed.

Billing Head Master:

A new activity **Manage Billing Heads** has been added under the component **Flight Operations Setup**. Billing heads under which various charges are to be billed on the customer can be defined using this page and the required billing heads can be added in contract as applicable. While defining the billing heads, “Charge Type” and the “Units” based on which these heads have to be billed are also identified to the billing heads. (Exhibit 2).

Based on the charge pattern, the billing heads are grouped under “Invoicing Element” as “Fixed Charges”, “Operating Charges”, “Crew Charges” and “Other Charges”.

a. **Fixed Charges**: These charges represent the ones that need to be billed either one time or on a periodic basis and these do not have any relation to the aircraft operations. Example: Mobilization fee, De-mobilization Fee and Monthly Standing Fee.

b. **Operating Charges**: The fee that is charged on the customer based on operation / non-operation of the aircraft is grouped under operating charges. Billing heads for operating charges can be defined at Flight Ops. Type level and /or Flight Category level. Based on the nature of the charges, operating charges are sub-classified into the following, displayed under the “Charge For” field.

   - Usage - Aircraft Usage that needs to be billed i.e., block hour based or flight hour based.
   - Fuel - Billing head under which fuel consumed on flight operations need to be billed. If the fuel billing is based on “Expense Charge Back” basis, then the “Expense Accounting Usage” based on which the Supplier Expense Invoice needs to be tagged to the flight contract billing needs to be specified.
   - Crew Billing - Billing head under which billing for crew members is to be raised.
   - Activity – Billing head definitions for various aircraft level activities carried out. Eg: Timber logging, Oil rig, etc. While defining billing heads for activity, associate the appropriate activity.
   - No flight - Define the billing head under which the idle hours of the aircraft need to be billed.

- <u>Other Operating charges</u> - Define the billing heads for any other operating charges that need to be billed to the customer. Example: Landing fee, Navigation fee, etc. Identify the Expense Accounting Usage if the billing is based on the "Expense Charge Back".

c. **<u>Crew Charges</u>**: Any other charges that need to be reimbursed to the crew members can be billed using these heads. Example: Lunch & stay expense of Crew members.

d. **<u>Other charges</u>**: Any other charges which are not crew specific can be billed using these heads. Example: Travelling Expenses, internet charges, etc.

<u>Activity Master:</u>

Activity codes that can be reported at aircraft level or crew type level can be defined using the master screen **Manage Activity Ops. Code**. (Exhibit 3)

<u>Duty Type Master:</u>

Required duty types can be defined using this master by associating each Duty Type code to a Crew Type. (Exhibit 4)

<u>Option Settings:</u> Parameters that drive the flight operations functionality have been added under the **Set Sales Process Parameters** activity in the **Customer** business component. (Exhibit 5)

<u>Flight Contract Setup:</u>

Two new activities a. **Manage Flight Contract** and b. **Approve / Close Flight Contract** have been added under the business component **Flight Contract**.

The details that can be defined in a contract are logically grouped under various tab pages i.e., "Main Info.", "Aircraft Info.", "Crew Info", "Contract Level Parameters", "Invoicing Basis", "Invoicing Rate" and "Additional Info". (Exhibit 6, 7 & 8)

Post definition, the status of the contract is updated as "Fresh", which can be confirmed and approved. Contract can be revised, short closed and extended as required.

<u>Aircraft Assignment to Contract:</u>

Aircraft assignment to call sign and contract can be defined using this interface. Based on the assignments made in this page, the journey information is associated to a contract / charter type for auto generation of flight sheet. (Exhibit 9)

<u>Flight Sheet:</u>

Flight sheet acts as a supporting document for flight contract billing. This document holds all the quantitative information on aircraft usage and other charges to facilitate billing.

Journey details can be recorded through EFB (Electronic Flight Baggage). Where EFB installation is not supported, the journey details can be recorded through Journey Log from M&E application.

Each journey is attached to a Contract / Charter Type using the flight assignments and a flight sheet gets auto setup (based on the option setting).

If a contract could not be established or if the option setting is set as “manual”, flight sheets can be manually recorded for which a **Search** page is provided which acts as a queue to setup flight sheets. (Exhibit 10)

Information like aircraft usage, no. flight hours, activity info., crew charges and other charges are organized in separate tab pages. (Exhibit 11) Based on the quantitative information available in the flight sheet, flight invoice release gets priced as per the rate definitions made in contract.

<u>Flight Invoice Release:</u>

Based on the milestone definitions for billing, the charges get retrieved in the queue page facilitated for generating flight invoice release (Exhibit 12).

The screen is designed to facilitate the following actions:

i. Group various billing heads by contract/customer to create flight invoice release. On generating an invoice release, the release gets priced as per the latest rates available in the contract by inheriting usage related details from flight sheet

ii. Confirm flight invoice release

iii. Create a flight invoice by grouping various invoice releases

By taking the link from the invoice release #, Manage flight invoice release screen is launched.

The detailed pricing information of various billing heads included in the invoice release is available under various tabs. (Exhibit 13).

<u>Main Info:</u>
Billing summary consisting of all the billing heads and the corresponding amounts is given in this tab.

<u>Fixed Charges</u>:
Billing heads corresponding to the invoice element ‘Fixed Charges’ are listed in this tab. The value of No. of units and Amount can be modified and saved here.

<u>Operating Charges:</u>
Billing heads corresponding to the invoice element ‘Operating Charges’ are listed in this tab. The value of No. of units and rate can be modified and saved here.

Crew Charges:

Billing heads under 'Crew charges' invoice element can be viewed in this tab. Modification of the records is also allowed.

Other Charges:

The billing heads falling under the invoice element 'Other charges' can be viewed here. New billing heads can also be added in this tab.

Flight sheet ref:

The flight sheets that are included within the invoice release can be viewed in this tab. Return of flight sheet is also facilitated here.

Exceptions:

The records with flight sheet exceptions, pricing exceptions and /or coverage exceptions can be viewed in this tab

Once the invoice release is confirmed, it will be ready for final invoicing. Invoice releases in confirmed status can be grouped together to generate final invoice.

Commercial Invoice:

Once flight invoice release is generated and confirmed, final invoice can be generated from the select documents screen. More than one invoice release can be grouped together to create one final invoice. On generate, invoice is created in fresh status. To authorize, Authorize invoice screen of customer invoice should be visited. Invoices for flight operations are categorized as ref. doc based invoices and taking the authorize ref. doc. based invoices link from the select screen would allow us to edit, save and authorize the TCD and other invoice related information. The same invoices can be viewed through view invoice screens.

Pre-requisites:

To auto-generate flight sheet based on EFB, the following needs to be installed.

i. EFB Central

ii. Ramco Electronic Flight Bag

Please refer the document – 'Ramco Electronic Flight Bag Installation Guide' - This document provides installation steps and configuration of Ramco Electronic Flight Bag, the system requirements and the configuration of interface to Ramco Aviation.

Once the above installation is completed successfully, the master data information like Customer & Call Sign Information, Aircraft related information, Employee's Information (Job Family, Job Code and Employee), Reason for Non-flying, Duty & Activity Information and Additional Information (Entity & Category Codes) will be downloaded successfully from Aviation Maintenance Database to EFB Central on “Get Master Data”.

On executing “Synchronization” in EFB, information such as master data, documents, user info. and other patches will be synchronized from EFB Central to EFB.

After synchronization status is completed, the flight journey details and its related Duty, Activity information are uploaded from EFB. On successful upload, a flight sheet gets auto setup and the information can be viewed in Aviation Maintenance & Engineering application.

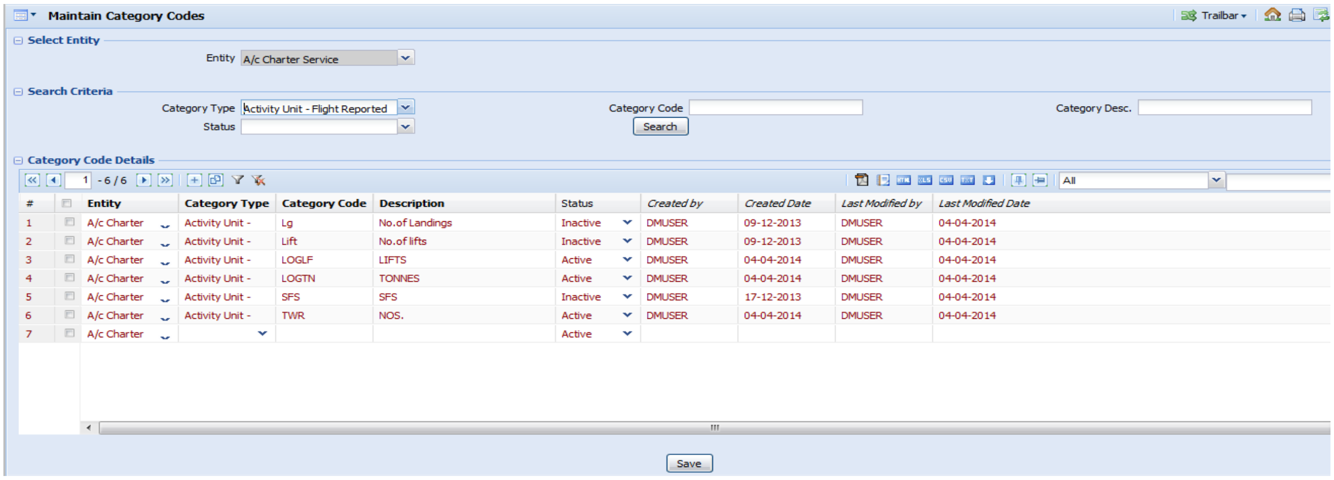
Scheduler based automation:

To auto-generate flight sheet based on EFB/Journey records, scheduler has been added which is a pre-requisite for flight sheet automation.

To generate flight invoice release, scheduler has been added which is a pre-requisite.

Exhibit - 1:

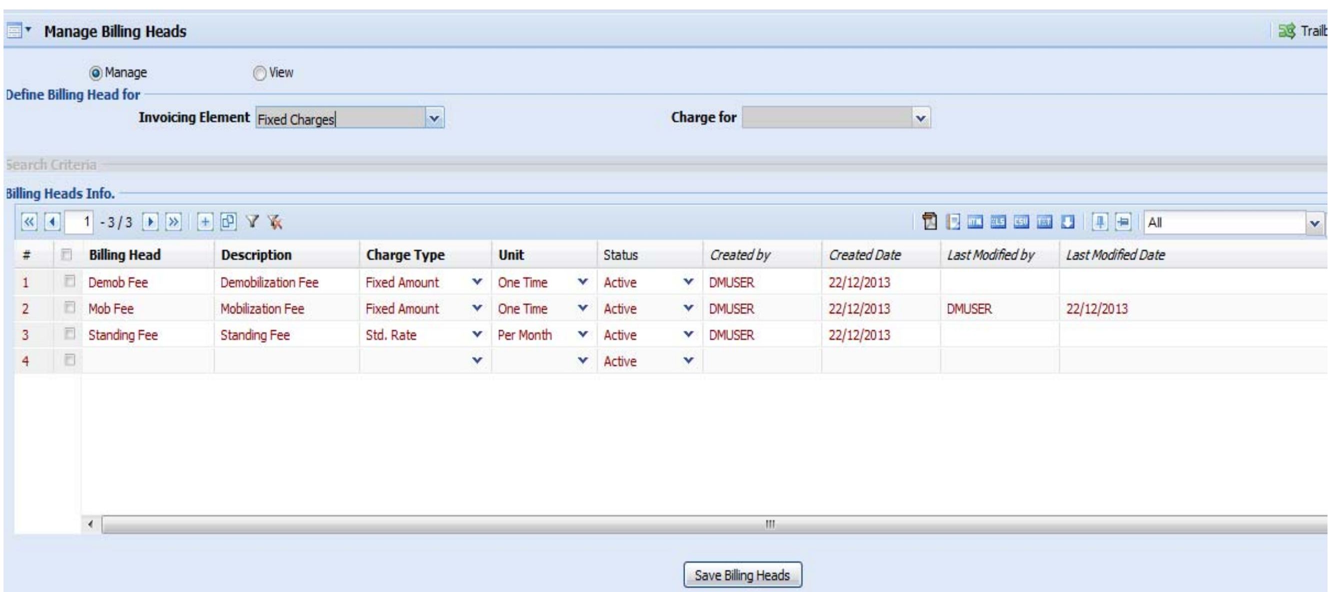
Maintain Category Codes screen



#	Entity	Category Type	Category Code	Description	Status	Created by	Created Date	Last Modified by	Last Modified Date
1	A/c Charter	Activity Unit -	Lg	No.of Landings	Inactive	DMUSER	09-12-2013	DMUSER	04-04-2014
2	A/c Charter	Activity Unit -	Lift	No.of lifts	Inactive	DMUSER	09-12-2013	DMUSER	04-04-2014
3	A/c Charter	Activity Unit -	LOGLF	LIFTS	Active	DMUSER	04-04-2014	DMUSER	04-04-2014
4	A/c Charter	Activity Unit -	LOGTN	TONNES	Active	DMUSER	04-04-2014	DMUSER	04-04-2014
5	A/c Charter	Activity Unit -	SFS	SFS	Inactive	DMUSER	17-12-2013	DMUSER	04-04-2014
6	A/c Charter	Activity Unit -	TWR	NOS.	Active	DMUSER	04-04-2014	DMUSER	04-04-2014
7	A/c Charter				Active				

Exhibit 2:

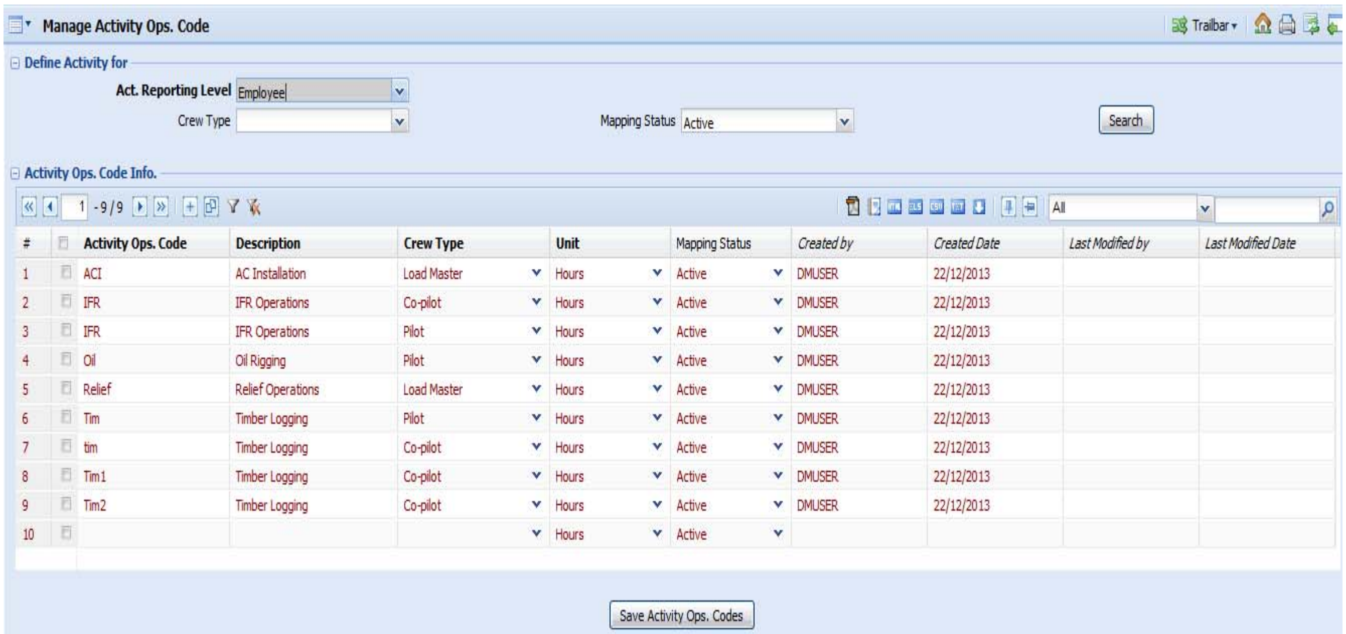
Manage Billing Heads screen



#	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	Mob Fee	Mobilization Fee	Fixed Amount	One Time	Active	DMUSER	22/12/2013	DMUSER	22/12/2013
3	Standing Fee	Standing Fee	Std. Rate	Per Month	Active	DMUSER	22/12/2013		
4					Active				

Exhibit 3:

The **Manage Activity Ops. Code** screen



Manage Activity Ops. Code

Trailbar

Define Activity for

Act. Reporting Level: Employee

Crew Type:

Mapping Status: Active

Search

Activity Ops. Code Info.

1 - 9 / 9

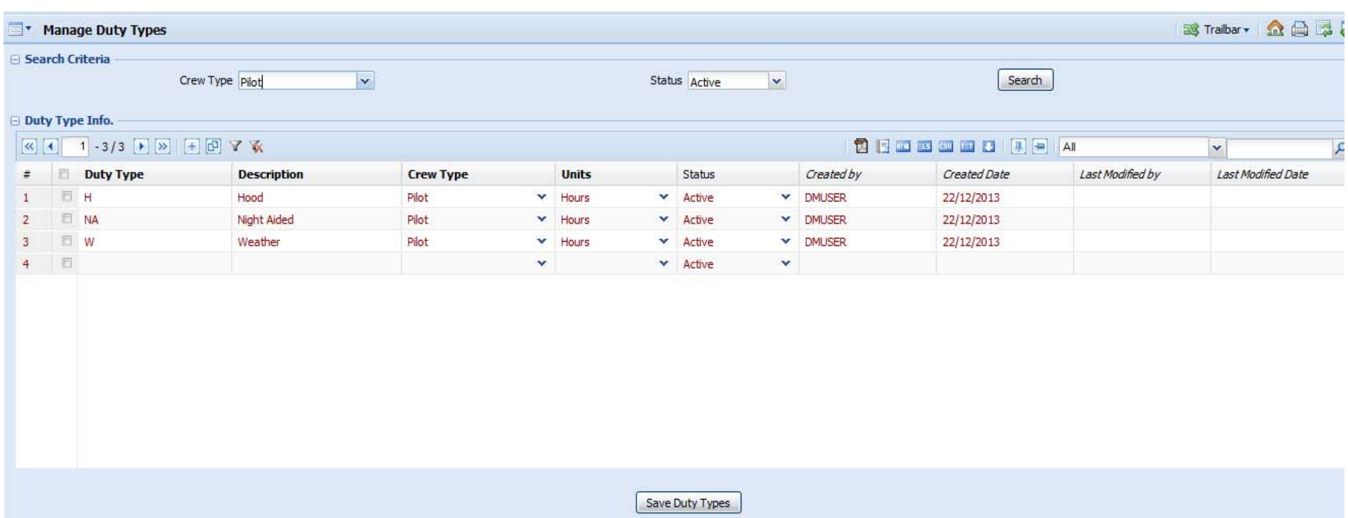
All

#		Activity Ops. Code	Description	Crew Type	Unit	Mapping Status	Created by	Created Date	Last Modified by	Last Modified Date
1		ACI	AC Installation	Load Master	Hours	Active	DMUSER	22/12/2013		
2		IFR	IFR Operations	Co-pilot	Hours	Active	DMUSER	22/12/2013		
3		IFR	IFR Operations	Pilot	Hours	Active	DMUSER	22/12/2013		
4		Oil	Oil Rigging	Pilot	Hours	Active	DMUSER	22/12/2013		
5		Relief	Relief Operations	Load Master	Hours	Active	DMUSER	22/12/2013		
6		Tim	Timber Logging	Pilot	Hours	Active	DMUSER	22/12/2013		
7		tim	Timber Logging	Co-pilot	Hours	Active	DMUSER	22/12/2013		
8		Tim1	Timber Logging	Co-pilot	Hours	Active	DMUSER	22/12/2013		
9		Tim2	Timber Logging	Co-pilot	Hours	Active	DMUSER	22/12/2013		
10					Hours	Active				

Save Activity Ops. Codes

Exhibit 4:

The **Manage Duty Types** screen



Manage Duty Types

Trailbar

Search Criteria

Crew Type: Pilot

Status: Active

Search

Duty Type Info.

1 - 3 / 3

All

#		Duty Type	Description	Crew Type	Units	Status	Created by	Created Date	Last Modified by	Last Modified Date
1		H	Hood	Pilot	Hours	Active	DMUSER	22/12/2013		
2		NA	Night Aided	Pilot	Hours	Active	DMUSER	22/12/2013		
3		W	Weather	Pilot	Hours	Active	DMUSER	22/12/2013		
4						Active				

Save Duty Types

Exhibit 5:

The **Set Sales Process Parameters** screen

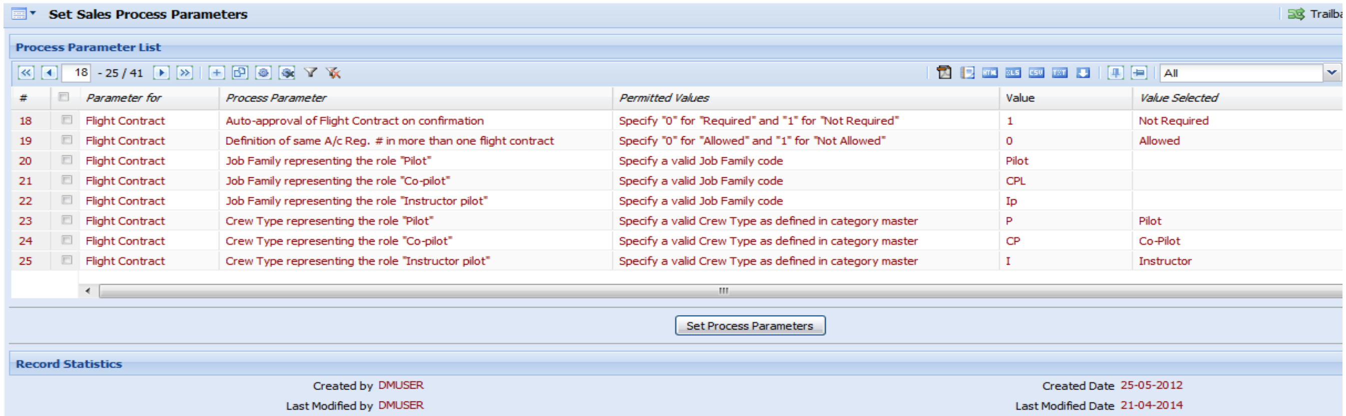


Exhibit 6:

The **Manage Flight Contract** screen

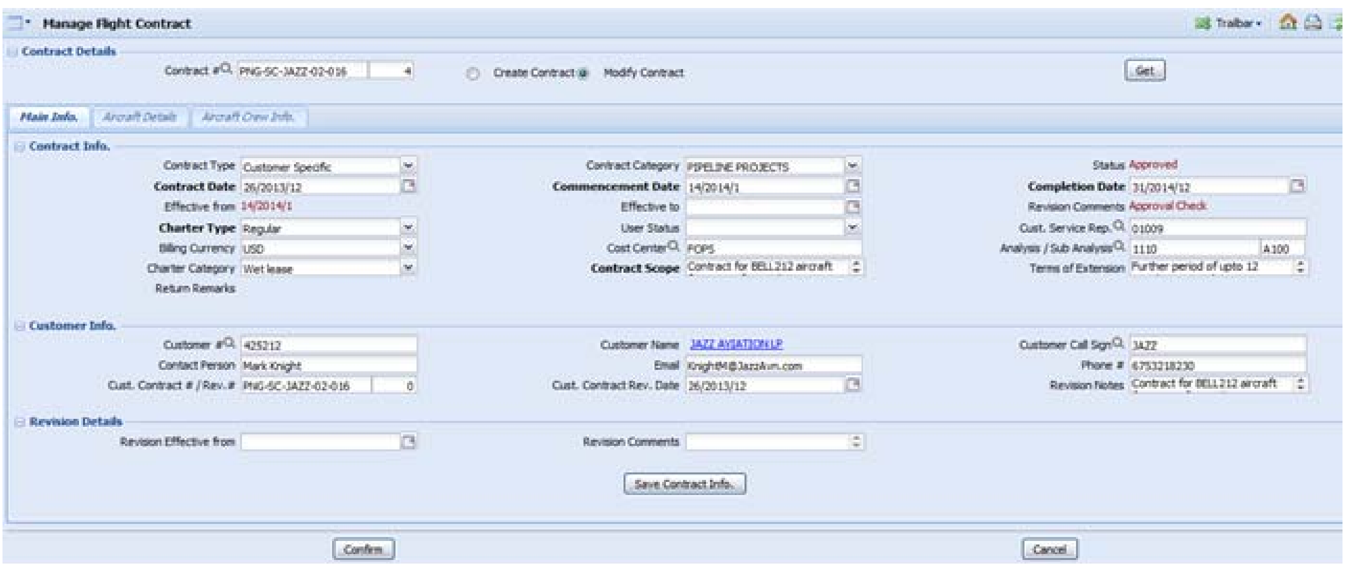
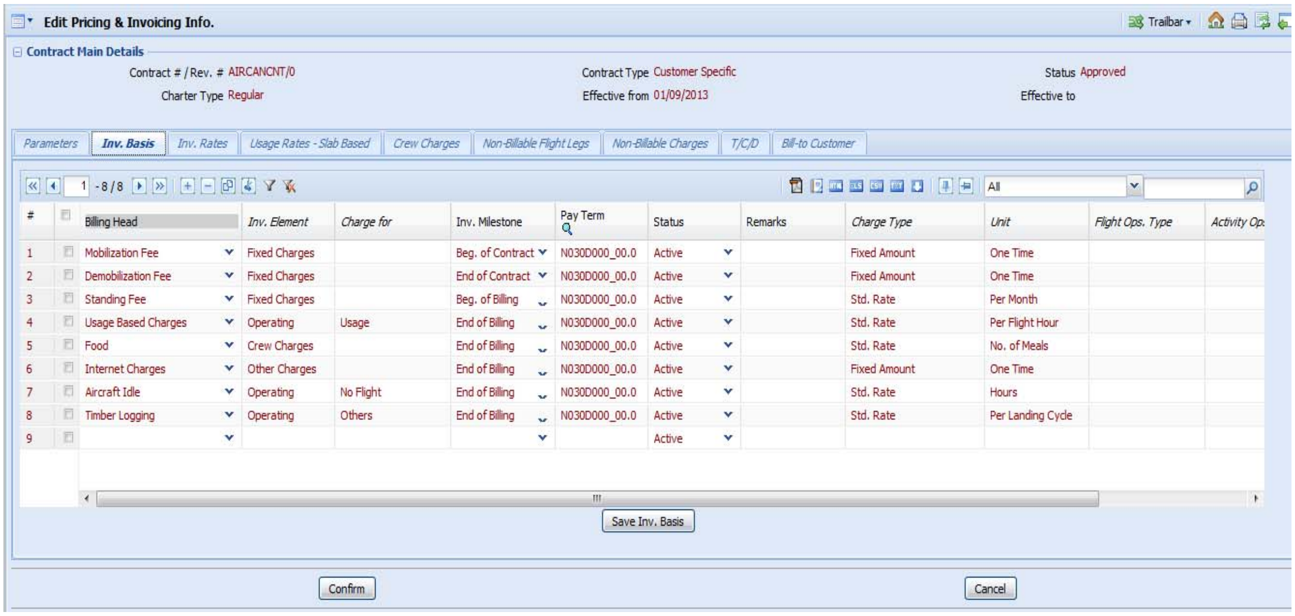


Exhibit 7:

The **Edit Pricing & Invoicing Info.** screen



Edit Pricing & Invoicing Info.

Trailbar

Contract Main Details

Contract # / Rev. # AIRCANCNT/0 | Contract Type Customer Specific | Status Approved

Charter Type Regular | Effective from 01/09/2013 | Effective to

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

1 - 8 / 8 | All

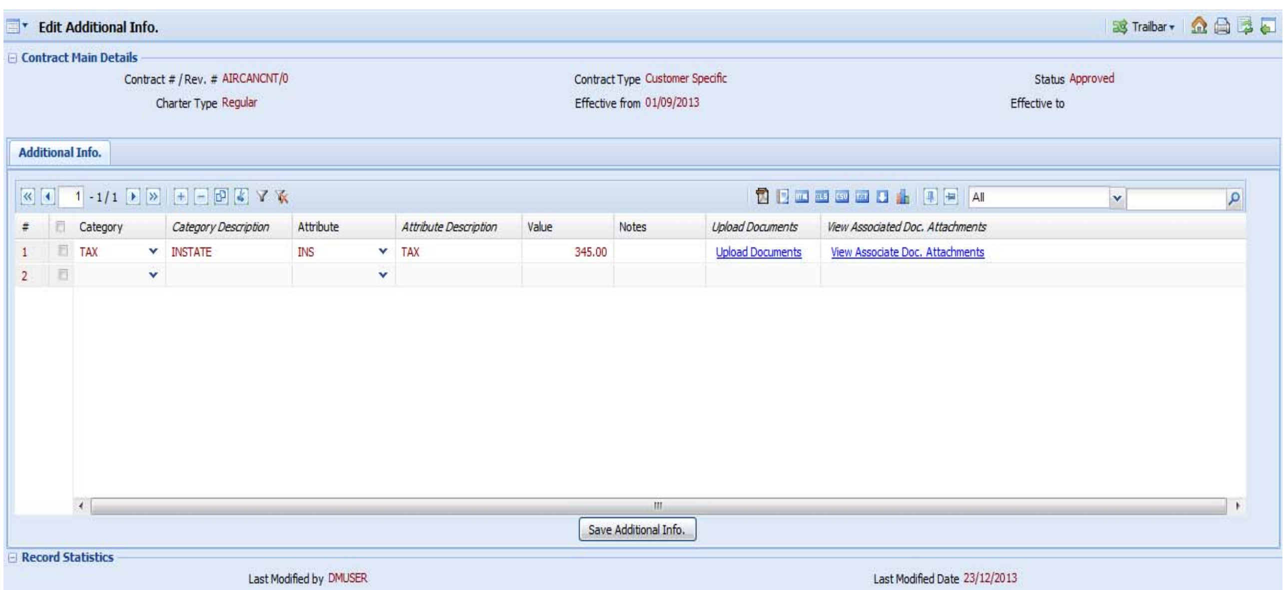
#	Billing Head	Inv. Element	Charge for	Inv. Milestone	Pay Term	Status	Remarks	Charge Type	Unit	Flight Ops. Type	Activity Op:
1	Mobilization Fee	Fixed Charges		Beg. of Contract	N030D000_00.0	Active		Fixed Amount	One Time		
2	Demobilization Fee	Fixed Charges		End of Contract	N030D000_00.0	Active		Fixed Amount	One Time		
3	Standing Fee	Fixed Charges		Beg. of Billing	N030D000_00.0	Active		Std. Rate	Per Month		
4	Usage Based Charges	Operating	Usage	End of Billing	N030D000_00.0	Active		Std. Rate	Per Flight Hour		
5	Food	Crew Charges		End of Billing	N030D000_00.0	Active		Std. Rate	No. of Meals		
6	Internet Charges	Other Charges		End of Billing	N030D000_00.0	Active		Fixed Amount	One Time		
7	Aircraft Idle	Operating	No Flight	End of Billing	N030D000_00.0	Active		Std. Rate	Hours		
8	Timber Logging	Operating	Others	End of Billing	N030D000_00.0	Active		Std. Rate	Per Landing Cycle		
9						Active					

Save Inv. Basis

Confirm | Cancel

Exhibit 8:

The **Edit Additional Info.** screen



Edit Additional Info.

Trailbar

Contract Main Details

Contract # / Rev. # AIRCANCNT/0 | Contract Type Customer Specific | Status Approved

Charter Type Regular | Effective from 01/09/2013 | Effective to

Additional Info.

1 - 1 / 1 | All

#	Category	Category Description	Attribute	Attribute Description	Value	Notes	Upload Documents	View Associated Doc. Attachments
1	TAX	INSTATE	INS	TAX	345.00		Upload Documents	View Associate Doc. Attachments
2								

Save Additional Info.

Record Statistics

Last Modified by DMUSER | Last Modified Date 23/12/2013

Exhibit 9:

The **Manage Aircraft Assignments** screen

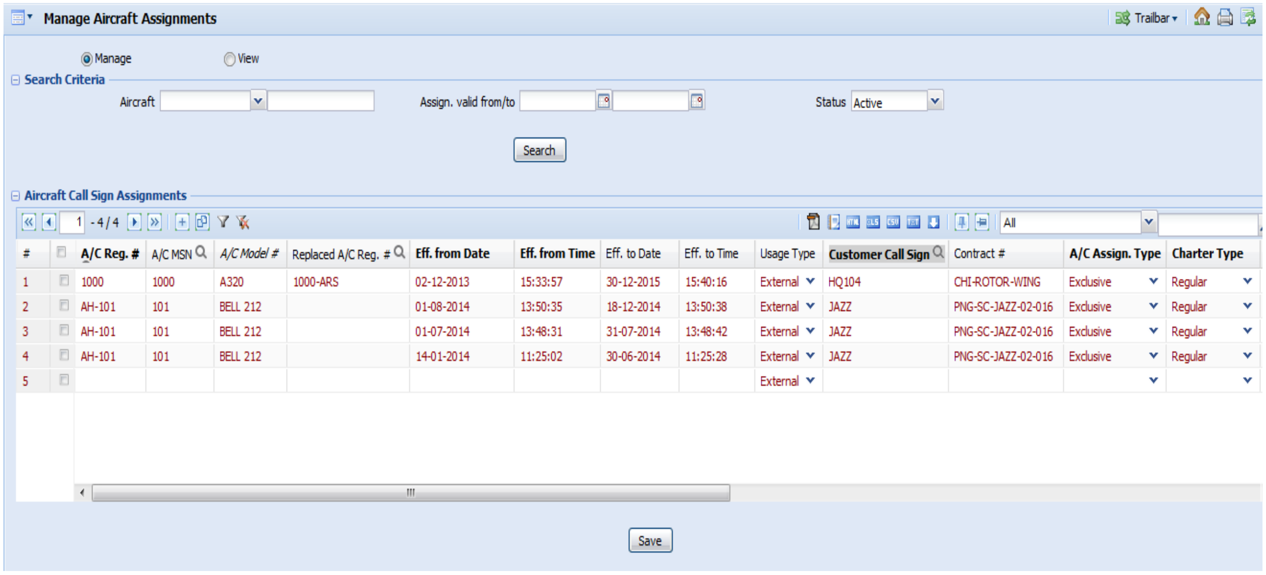


Exhibit 10:

The **Select Documents** screen

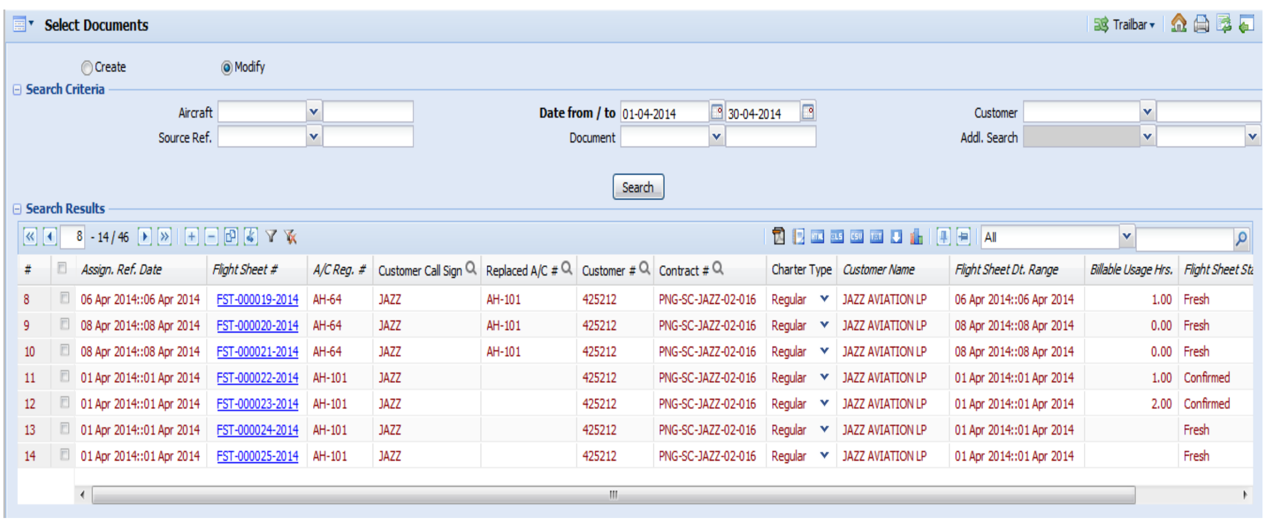


Exhibit 11:

The **Manage Flight Sheet** screen

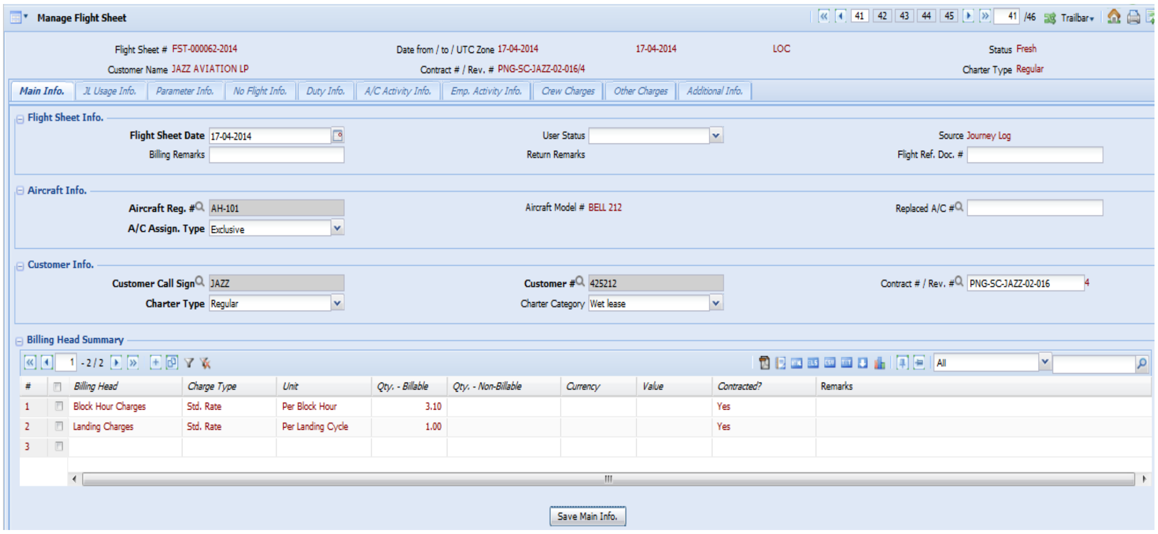


Exhibit 12:

The **Select Documents** screen

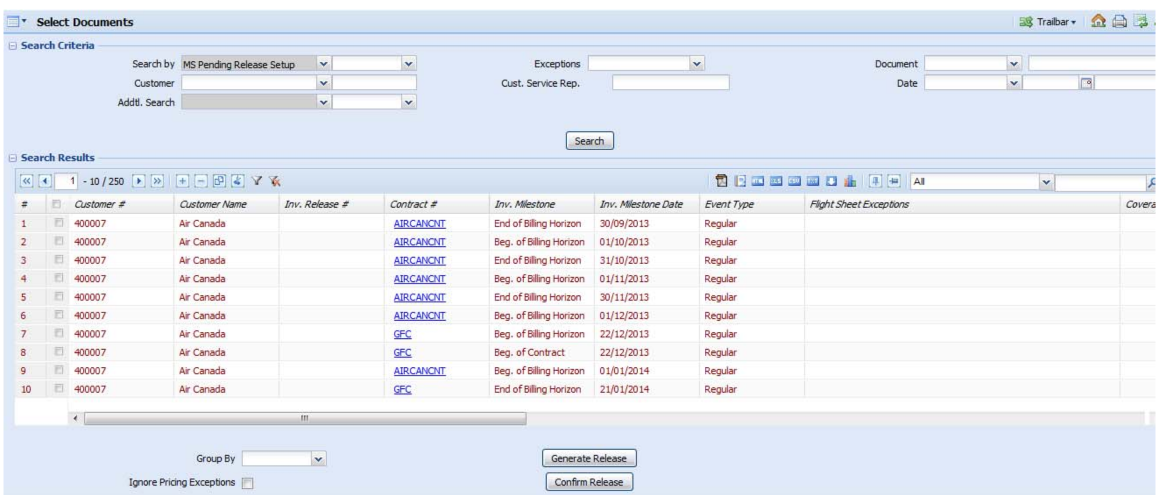
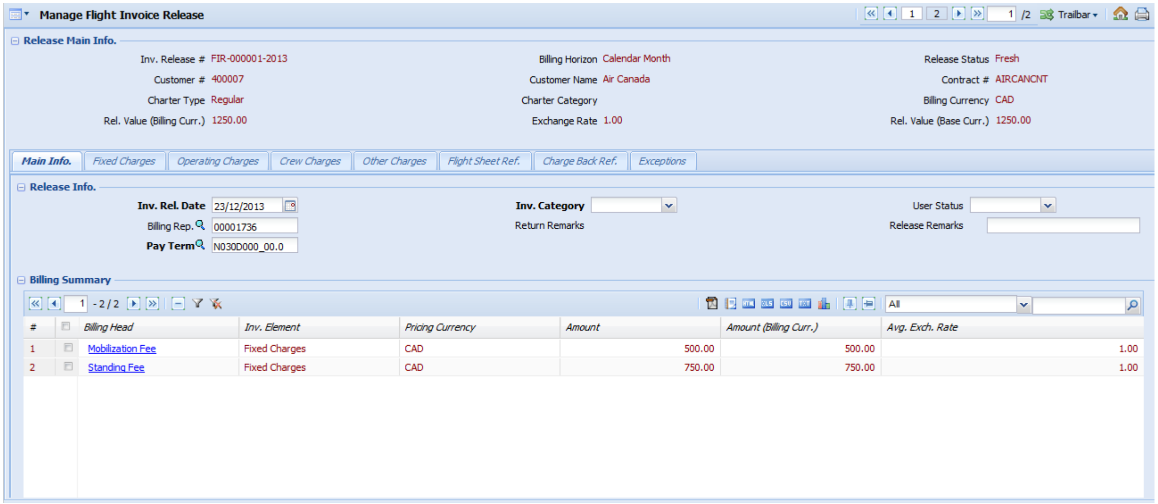


Exhibit 13:

The **Manage Flight Invoice Release** screen



WHAT'S NEW IN RECORD WORK ESTIMATES

Provision to hold estimation while the quote is pending customer approval & improvements to data visibility in estimation & quote pages

Reference: AHBE-13087

Background:

Previously, when a task was cancelled / pre-closed, the estimations that were done against that task were not visible in the record work estimates screen. In a case where the task is cancelled because of proposed changes in the task properties, the estimates do not change and only the task gets revised and added back in the execution document. Here, the mechanic had to do the estimations for the revised task again. To ease this process, a provision was needed to view the previous revisions of estimations done.

Also, earlier even when the quote was waiting for customer disposition, the mechanic was allowed to make changes to the estimates. A provision was needed to stop estimations against a WO when the quote for the same is pending for customer approval.

Change Details:

When an already estimated task is cancelled, the system will automatically update the estimations of the task as zero in the record work estimates screen against a new estimation baseline # based on the option setting 'automatically update estimates as zero for cancelled tasks' in set sales process parameters screen.

A new 'Search By' based on 'Est.history' has been added to view the various estimations done against a task. Validations have been introduced in the estimates screen to prevent the user from making any changes to the estimates for a cancelled task.

If the tasks were cancelled after the estimates were released once, they will be shown in the quote in cancelled status and 'Sys. Billable?' will be updated as 'No'.

A new hold property: 'Allow estimation/ estimation revision when quote status is' Pending for Approval' 'has been added. If this property is set as Yes, the user will not be able to modify the estimations for an active task when the quote is pending for customer approval. The hold will be released automatically once customer approval/rejection is recorded.

Exhibit-1

Changes made in **Record Work Estimates – Part Requirements** screen

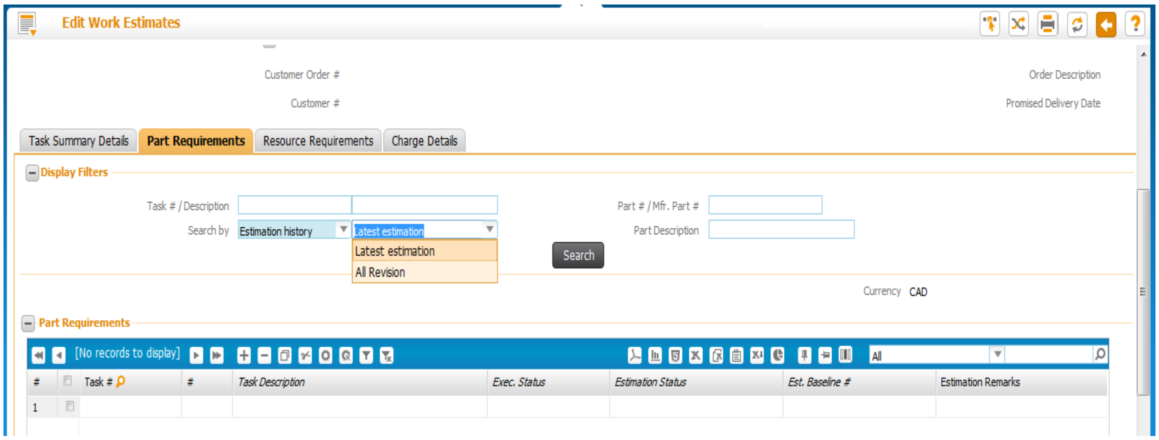


Exhibit-2

Changes made in **Record Work Estimates – Resource Requirements** screen

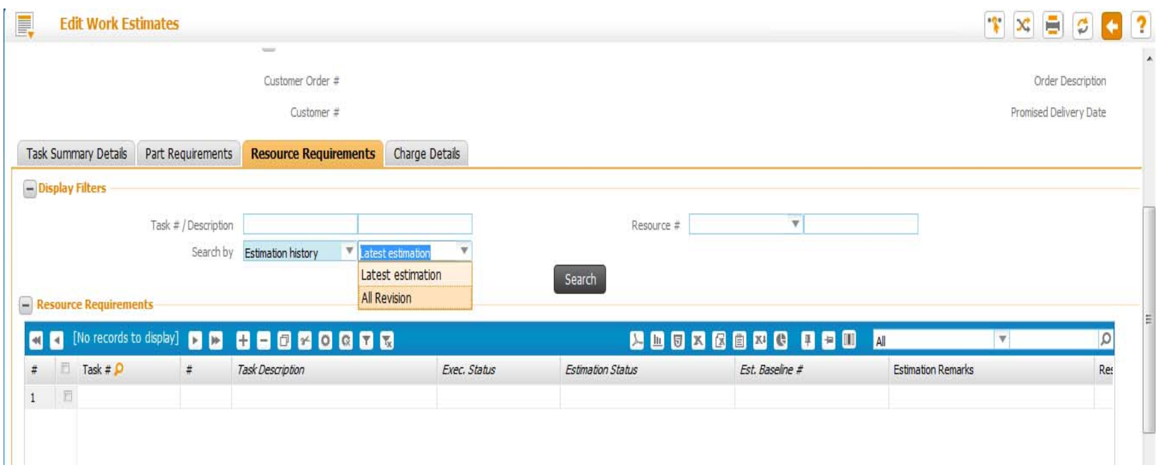
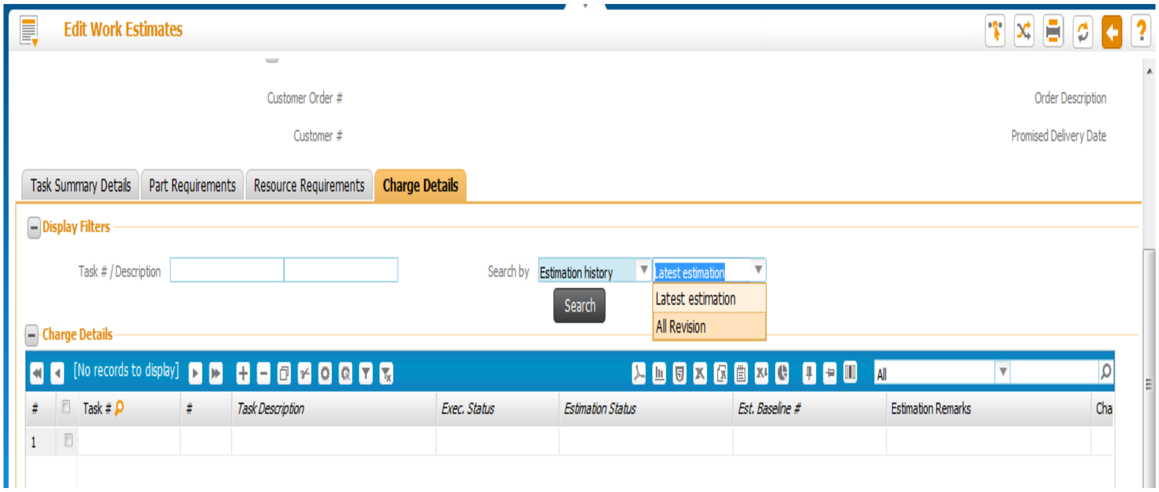


Exhibit-3

Changes made in **Record Work Estimates – Charge Details** screen



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