

DS0174

**Recurring Billing** 



## **Table of Contents**

Table of Contents	2
Problem Definition	3
Solution Overview	4
Design Features	5
Route Maintenance	5
Inspection Maintenance	7
Work Order Generator	10
Flagged Line Items	13
Customer Maintenance	15



## **Problem Definition**

CCDA



## **Solution Overview**

Solution Overview	CCDA
The Recurring Billing module will have two main components.	
A new Inspection Maintenance window will enable the user to tracks the assets at each customer location, the inspection frequency, and the Route and Technician assigned to the location.	
A new Work Order Generator window will provide the ability to query the database for all sites needing inspection during a given time-frame, and to automatically generate all of the word orders (Sales Orders) needed to provide those inspections.	



## **Design Features**

Route Mainten	ance	CCDA
A new window will be a be used to create and	added to Dynamics GP called Route Maintenance. This window will maintain Routes, and assign a Tech to a Route.	
Navigation: Cards >> Sales >> Route Maintenance.		
Field	Function	
Route ID	10-character, upper case, alphanumeric field.	
Description	Free entry field to provide descriptive information about the Route	
Technician Name	First and Last Name are entered by the user	
Initials	This field will be limited to 4 upper case characters only. To	
	enforce consistency, no punctuation will be allowed (alpha-only).	
SAVE	Save the record	
DELETE	Checks if the Route ID is assigned to any Inspection Records (see	
	next section). If it is, the user will be prompted, and will not be	
	allowed to delete the record. Otherwise, the user will be asked to	



	confirm, and then the record will be deleted.	
CLEAR	Clears the screen without saving changes.	



Inspection Maintenance	CCDA
Each customer location (Customer Address) can have one Inspection Record. The Inspection Record will store the inspection frequency, route, and a list of the assets at that location.	
Navigation: from the Customer Address Maintenance window >> Extras >> Additional >>         Inspection Maintenance. Or directly via Cards >> Sales >> Inspection Maintenance.         Image: Inspection Maintenance         Save Delete Clear         Customer Number Customer Address Deleterical         Address Delete Clear         Route Dol         Prequency Semi-annually         Wonth DueSeptember         Comments         Item Number Description         UNIT         UNIT         Delete Description         UNIT         UNIT         Description         UNIT         UNIT         Description         UNIT         UNIT         Description         UNIT         UNIT         UNIT         UNIT         UNIT	
Field Function	



Customer Number	If Inspection Maintenance is opened from the Extras menu on		
	Customer Address Maintenance, the Customer Number and		
	Address ID will populate automatically. The user can also enter		
	the Customer Number or select it from the Lookup.		
Name Populates automatically. This is not editable.			
Address ID	Fill automatically if opened from Extras. Otherwise user can		
	manually enter and ID or select from a Lookup. The scrolling		
	buttons will allow moving to the Next/Previous Inspection Record		
	for the selected Customer. It does not move through all Addresses		
	for that customer.		
Frequency	Options are:		
	Annual		
	Semi-Annual		
	Quarter		
	Trimester		
	Month		
	Never		
Month Due	Months of the year. This will initially be set by the user, and can		
	always be changed. When Work Orders are generated this field		
	will be incremented to the next Month Due, depending on the		
frequency setting.			
	For example, the Frequency is Semi-Annual, and the Month Due is		
	September. When Work Orders are generated in August, a Sales		
	Order will be created for this Customer Address, listing all of their		
	Assets as lines on the Order. The system will calculate the next		
	Month Due as March.		
	NOTE: If the user changes the Frequency, the Month due should		
	me set by the user to the correct next Month Due. For example, if		
	the Frequency is Semi-Annual and the Month Due is September,		
	and the current month is July, and the Frequency is changed to		
	Monthly the user should set the Month Due to August (or whenever		
	they want monthly inspections to start).		
Comments	Four 255-character fields for user notes.		
Assets Window	The scrolling window can store an unlimited number of Items. The		



	Items and Quantities here become the Line Items on the Sales Order (Work Order).	
	Item Number can be entered, or selected from a Lookup.	
	Description populates automatically from the Item Master, but can be changed on this window. Changes here do not affect the Item Master.	
	Quantity of the asset at the customer site.	
Customer History window	This scrolling window is used to track relevant dates in the customer history, such as acquired date, or cancelled date. An unlimited number of lines can be entered, The Description provides 255 characters of space to describe the event.	
	When a new Inspection Record is created, the first History record will be automatically added with the description "Date Acquired". The Date will be set to the Created Date from the Customer Address Master.	



Work Order Ge	enerator	CCDA
The Work Order Generation	erator will search Inspection Records for inspections that are due, and Il needed Sales Orders (Work Orders).	
Navigation: Transactio	Image: Source Sector	
C	D = Lookup Button	
Field Function		
Month Due User Selects the Month Due for which they want to generate Work Orders		
Customer Class Optional. If values are provided, a sub-set of due Inspections will		
Range         be selected based on Customer Class.		
Route NumberOptional. If values are provided, a sub-set of due Inspections will		
Range be selected based on Route.		
Results Window This "list view" window (similar to the Smart List window), will		
display the results of the search. User can double-click on a line to		



setup-information such as Salesperson, Territory and Tax Schedule ID.

eventually addressed when auto-creating Work Orders during the year.

As each Sales Order is generated, the "Last Generated Date" on the Inspection Record will be updated. Regardless of the Inspection Frequency and next Month Due, the "Last Generated Date" will provide an backup tracking method to ensure all Inspection Records

		open the Inspection Maintenance record for that location.	
		User can also select a line, and delete it. This removes the record	
		from the display, but does not affect the actual Inspection record.	
	CLEAR	Clears all entries and results	
	FIND	Executes the search for due Inspections, and populates the results window.	
	GENERATE	Prompts the user to confirm they are ready to generate Work	
		Orders, then creates work orders for all of the displayed locations.	
	Batch ID	This is not editable. When Sales Orders are created, the system-	
		generated Batch ID will be displayed here. The user will be able to	
		zoom to the batch by clicking on "Batch ID".	
	<b>Generating Sales Or</b>	der (Work Orders)	
	One Sales Order will h	be created per Customer Address identified by the Work Order	
	Generator.		
1			
	The Sales Order will b	e created for the Customer ID and Address ID (Ship To Address)	
	located by the search.	The Sales Order that is created automatically by the software will	
	have the same setting	s you would see if you manually created a Sales Order. For example,	
	the Order's Ship To A	ddress information will default from the Customer's Ship To Address	

11



I Sales User-Defined Fields Entry			
Tracking Numbers			
	Quote Sent Date		
		0/0/0000	
	- Route	001	+
	Tech Init	JB 🔶	
Document Origin	C Text Field 3	1	_
List 2	Text Field 4		-
L) ()		OK Cancel	
e sales line will be added per Asset d Quantity will also be used from the s anticipated that most items will be wever, some Sales Inventory type it	from the Inspection Reco Inspection Record. non "Sales Inventory", su	ord. The Item Description ch as Service or Misc. Then these exist, depend	otion c. Inding
now the SOP Document Type is conventory. If enough inventory is not pro Quantity To Backorder.	esent, those lines will hav	attempt to allocate ve their Quantity entere	red
<ul> <li>Batch ID will be generated as follo</li> <li>First 4 characters of the User II</li> <li>2 digit DAY</li> <li>3 character Month</li> </ul>	ws: D		
<ul> <li>Incrementing 2 digit number. I one day, this will increment from</li> </ul>	n the event that a user ge m 01 to 02, 03, 04, etc.	enerates multiple batche	ches in



Flagged Line Items	CCDA
In some cases a tech will identify equipment at the customer site that needs additional service. They will take those items from the customer's site, leave loaners, and bring the equipment back to the shop for service.	
When the tech initially went to the customer site, they brought the original work order, which lists the items to be serviced. The parts/labor involved in servicing the defective units will be added to the Sales Order. When the tech returns to the customer's site with the repaired items, the Sales Order is printed again, but should show only the additional parts/labor.	
and should not print on the re-print.	
Navigation: from Sales Transaction Entry >> Extras >> Additional >> Flag Line Items          OK       Mark All       Unmark All         Image: Construction of the second seco	
The order of items in this window will match the scrolling window on Sales Transaction Entry.	





Customer Maintenance	CCDA
The Customer Maintenance User Defined #1 field will be used to indicate whether or not a customer requires a Certificate of Inspection.	
The window will be modified so that the field only accepts Y, YES, N or NO (if lower case are entered they will be changed automatically to upper case). NOTE: this enhancement will be done with code, rather than a direct window modification, so there will be no changes needed in security, and no impact on future upgrades (or other modifications to this window). NOTE: The Certificate of Inspection report is not addressed by the Recurring Billing modification. The document will be printed using a modified SOP Blank Packing Slip. If Y or YES is in the Customer's User Defined #1 field, the Sales Document Print Options window will have the "Packing Slips" checkbox enabled. Otherwise the checkbox will be disabled. Also, the drop-down that shows the different type of Packing Slips will show the	



"Blank Paper" option as "Cert. of Insp."	
These changes to the Print Options window will only be activated when printing a single document. Batch Printing, or printing from Print Sales Documents will not have the same controls applied.	