

CONSOLIDATED BILL OF LADING WAREHOUSE BOSS INTERFACE

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Boss – CalcBOL Interface Set-up

Use this program to identify the warehouses that will be using Consolidated Bill Of Lading. For each warehouse you can identify if air & parcel carriers are going to utilize Consolidated Bill Of Lading. If you do not want to manually select which orders are to be consolidated then set the consolidate all orders flag to Y. Either parcel data or item data can be sent to Consolidated Bill Of Lading. That is controlled by the By product /By parcel flag.

The Consolidation ID can be created two ways. It can be built by moving the warehouse and truck number into the Consolidation ID. If the truck number is blank at shipment confirmation, the right most 4 digits of the manifest is used as the truck number. This method will allow the user to consolidate two manifests on the same consolidation ID. In most Warehouse BOSS installations, this is a rare occurrence since a manifest is usually a shipment.

The second method is to use the manifest number as the consolidation ID. This will keep manifests for the same Warehouse and Carrier on the same day from being incorrectly consolidated. The limitation of this method is that stop maintenance will only be available through Shipping Order Freight Maintenance (ART911). Since Order Freight Maintenance (ART910) and Order Pool Maintenance (ART912) maintain records that only exist prior to the pick plan, a manifest number does not yet exist so a consolidation ID can be assigned.

ART900	Warehouse BOSS				10/14/04
WHSB	Warehouse BOSS 6.2 0404				9:53:22
Whse: WB	CalcBOL Configuration				QPADEV000T
		---Consolidation Flags---			Use
	CalcBOL	Air &	All	By Product-1	Manifest
S Warehouse	Installed	Parcel Orders	By Parcel-2		As CID#
BO	Y	N	Y	1	N
LP	Y	N	Y		N
WB	Y	N	Y	1	N

ENTER=Select		F5=Add		F6=Reposition	

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Function key F10 is not available if the manifest number is used as the consolidation ID.

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Order Pool Maintenance (ATR912)

Order Pool Freight Maintenance allows carrier, truck number, stop number, equipment type and the consolidated bill of lading flag to be updated for orders in the order pool header file (WOPHB). This would be orders that have been brought down to Warehouse BOSS, but have not been processed through order pool management. On the first screen you can select the orders to be maintained with an X. On the second screen F10 will allow maintenance of the Consolidated Bill Of Lading stop record.

ART912	CA-Warehouse BOSS	5/24/99				
	BOSS Demo Environment V6.0 9909	17:50:33				
Whse: 10	Order Freight Maintenance	QPADEV0006				
Company	Order Type	Order				
SEL	ORDER	CUSTOMER	WHSE	COMP	TYPE	SPLIT
-	000228	XYZ Test	10	100	REG	Y
F3=Exit	RollUp=Next	RollDwn=Previous				

ART912	CA-Warehouse BOSS	5/24/99	
	BOSS Demo Environment V6.0 9909	17:50:33	
Whse: 10	Order Freight Maintenance	QPADEV0006	
Company	100	Warehouse	10
Customer	0008260000		
Order	000228		
Carrier	HJBT		
Truck	329C		
Stop	1		
Equipment Type	**		
Consolidate BOL	Y		
F3=Exit	F10=Stop Maintenance	F12=Previous	

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Function key F10 is not available if the manifest number is used as the consolidation ID.

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Shipping Order Freight Maintenance (ART911)

Shipping Order Freight Maintenance allows stop number, equipment type and the consolidated bill of lading flag to be updated for orders in the ship order header file (WSOHB). This would be orders that have been run through a pick plan and have been assigned to a manifests. The carrier and truck number can not be changed in this program. If the order needs to ship on a different carrier or truck, it will need to be transferred to an existing or new manifest for that carrier and truck. Like the other freight maintenance programs, on the first screen you can select the orders to be maintained with an X. On the second screen, F10 will allow maintenance of the Consolidated Bill Of Lading stop record.

ART911	CA-Warehouse BOSS	5/24/99				
	BOSS Demo Environment V6.0 9909	17:40:06				
Whse: 10	Order Freight Maintenance	QPADEV0006				
Company	Order Type	Order				
SEL	ORDER	CUSTOMER	WHSE	COMP	TYPE	SPLIT
-	000114	XYZ Test	10	100	REG	N
-	000143	XYZ Test	10	100	REG	Y
-	000144	XYZ Test2	10	100	REG	Y
-	000145	XYZ Test	10	100	REG	Y
						+
F3=Exit			RollUp=Next		RollDwn=Previous	

ART911	CA-Warehouse BOSS	5/24/99	
	BOSS Demo Environment V6.0 9909	17:42:21	
Whse: 10	Order Freight Maintenance	QPADEV0006	
Company	100	Warehouse	10
Customer	0008260000		
Order	000243		
Carrier	C120		
Truck	THR1		
Stop	1		
Equipment Type	**		
Consolidate BOL	Y		

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F3=Exit F10=Stop Maintenance F12=Previous

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Non Rating Carrier Maintenance (ART915)

This program allows carriers that are not rated to be defined as truckload , less than truckload, parcel or air for Consolidated Bill of Lading. This file is only used for Consolidated Bill Of Lading so that bills in the correct format can be printed for carriers that are not rated. Use only four characters when defining your non rating carriers to Warehouse BOSS in Shipping Carrier Definition (CNF120).

ART915	Warehouse BOSS	2/12/04
REAL001	Warehouse BOSS 6.2 0303	10:23:38
Whse: WB	Non-Rating Carrier Definition	QPADEV002S

Rating	Carrier Description	Mode
S	CUST	L
-	CUSTOMER PICKUP	

ENTER=Select F3=Exit F5=Add F6=Reposition

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Carrier Manifest Detail

Carrier Manifest Detail has been modified to add a new function key. F17 allows the Shipping Order Freight Maintenance (ART911) to be accessed from within Shipping Details. The F17 key appears when the F24 function key is pressed for More Keys.

SHP510	CA-Warehouse BOSS	5/28/99			
	BOSS Demo Environment V6.0 9909	6:04:29			
Whse: 10	Carrier Manifest Detail	QPADEV0004			
Manifest #: 14	Whs: 10 Wave: 001 Carrier: E228	Truck:			
Created By: 00000016	Date: 11/23/98 Orders: 1 Weight: 11382.7				
Order/PO	Floor	Tot	Tot	Ship	
S Co. Type Number	Area	Pcls	Weight	Date	Stop
100 REG 117126	DP1	7	11382.7	11/23/98	000
F3=Exit	F14=XFer same carrier	F15=XFer any carrier			
F18=Bill of Lading	F19=Packing List	F17=Frnt. Maint.	F24=More Keys		

Transfer Order to Different Manifest

Transfer Order to Different Manifest (SHP910) was modified to call Change Trailer Number on Stop (CBOL86R). If an order is consolidated and a stop record has been created for the order, when the order is transferred to a different manifest, a new stop record may need to be created. CBOL86R will create the stop record for the new carrier and or truck number. If there are no other orders associated with the old stop record, it will be deleted.

Shipment Confirmation

Some additional edits and processing have been added to shipment confirmation (SHP520). An edit to make sure that the consolidation flag has been entered (it can be either Y for consolidated or N for not consolidated). With most users of Consolidated Bill Of Lading, the majority of their orders are processed as consolidated. This edit check insures that a decision has been made for this order, and orders that should have been consolidated will not be ship confirmed accidentally before the flag is set.

If the consolidation flag is Y and the warehouse and truck number are used as the consolidation id, if the truck number is blank, the rightmost 4 digits of the manifest number will be defaulted as the truck number. Warehouse and truck number are the fields used to create the Consolidation ID.

If the order is consolidated, a program call has been added to shipment confirmation to call CBOL85R. This program populates the Consolidation File (BOLCONP) for Consolidated Bill Of Lading.

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Warehouse BOSS Menus

The following menus were modified to add CalcBOL Interface Programs

Menu	Menu Description	Programs	Program Description
CNFM10	System Level Configuration Menu Driver	ART900	CalcBOL Set-up
		ART915	Non Rating Carrier Definition
OPMM00	Order Pool Maintenance Driver Menu	ART910	Order Freight Maintenance
		ART912	Order Pool Freight Maintenance
SHPM00	Shipping Menu Driver	ART911	Shipping Order Freight Maintenance

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Set Up Security

Security must be set up for the new menu options. The following menu path will take the user to security set-up using the Classic Warehouse BOSS menu options.

Main Menu – Option 6
 Warehouse Administration – Option 5
 Boss Configuration – Option 1
 Site Level Configuration – Option 2
 Security Administration – 3
 Define Security Check Points

If you are using new menus organized by function,
 Main menu – Option 20 Security Menu
 SEB Security Administration Menu – Option 3 Define Security Check points.

The user must then enter checkpoint records for ART900, ART910, ATR911, and ATR912. See the entries below.

CNF191		Warehouse BOSS		6/16/99
BOSS		Demo Environment V6.0 9909		13:21:23
Whse: LIS		Security Checkpoint Definition		QPADEV0039

S	Checkpoint	Description	Chkpt Status	Authorized Level/Area	Prompt Password	Active Incident
			User ID	Date	Version	
	ART900	ART900	CALCBOL SET-UP	PASS	SYS	N 1
			BOSS	6/09/99	.0A	
	ART900A	ART900A	ADD RECORDS	PASS	SYS	N 1
			BOSS	6/16/99	06.0A	
	ART900B	ART900B	CHANGE RECORDS	PASS	SYS	N 1
			BOSS	6/16/99	06.0A	
	ART900C	ART900C	DELETE RECORDS	PASS	SYS	N 1
			BOSS	6/16/99	06.0A	
	ART910	ART910	ORDER FREIGHT MAINT	PASS	SYS	N 1
			BOSS	6/09/99	.0A	+

ENTER>Select	F3=Exit	F5=Add	F6=Reposition
F12=Return	F14=Change All Profiles		

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CNF191	Warehouse BOSS		6/16/99
BOSS	Demo Environment V6.0 9909		13:22:16
Whse: LIS	Security Checkpoint Definition		QPADEV0039

S	Checkpoint	Description	Chkpt Status	Authorized Level/Area	Prompt Password	Active Incident
			User ID	Date	Version	
_	ART911	ART911 SHP ORD FRGHT MAINT	PASS	SYS	N	1
			BOSS	6/09/99	.0A	
_	ART912	ART912 ORD POOL FRT MAINT	PASS	SYS	N	1
			BOSS	6/09/99	.0A	
_	CMP100A	CMP100-ACCESS TO EXECUTE KEY	PASS	SYS	N	1
			BOSS	9/01/98	6.0A	
_	CMP100B	CMP100-ACCESS TO BACKOUT KEY	PASS	SYS	N	1
			BOSS	9/01/98	6.0A	
_	CMP100C	CMP100-ACCESS TO RETRIEVE KEY	PASS	SYS	N	1
			BOSS	9/01/98	6.0A	+

ENTER=Select F3=Exit F5=Add F6=Reposition
 F12=Return F14=Change All Profiles

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Security Administration – 2 Define Security Profiles

For each profile that you wish to use these options, you must add the options to their security profile.

CNF192	Warehouse BOSS	6/16/99		
BOSS	Demo Environment V6.0 9909	13:23:59		
Whse: LIS	Define Security Profiles	QPADEV0039		
Profile Code: BOSS Description: BOSS SECURITY OFFICER PROFILE				
S Checkpoint	Description	Chkpt Status	Authorized Level/Area	Prompt Password
_ ART900	ART900 CALCBOL SET-UP	PASS	SYS	N
_ ART900A	ART900A ADD RECORDS	PASS	SYS	N
_ ART900B	ART900B CHANGE RECORDS	PASS	SYS	N
_ ART900C	ART900C DELETE RECORDS	PASS	SYS	N
_ ART910	ART910 ORDER FREIGHT MAINT	PASS	SYS	N
_ ART911	ART911 SHP ORD FRGHT MAINT	PASS	SYS	N
_ ART912	ART912 ORD POOL FRT MAINT	PASS	SYS	N
_ CMP100A	CMP100-ACCESS TO EXECUTE KEY	PASS	SYS	N
_ CMP100B	CMP100-ACCESS TO BACKOUT KEY	PASS	SYS	N +

<p>ENTER=Select F3=Exit F5=Add F6=Reposition F12=Return F14=From Master F15=Set Global Values</p>				

Additional Messages

The table that follows contains the messages that have been added to the Warehouse BOSS message file (PDSMSGF) for the Consolidated Bill Of Lading Interface. The messages exist by themselves in a message file ADDPDSMSG. This file can be merged with the PDSMSGF so that you do not need to type the messages in manually.

MRGMSGF FROMMSGF(CALCBOLWHB/ADDPDSMSG) TOMSGF(yourlibrary/PDSMSGF)

Message ID	Description	Data Type	Data Length
BOL0001	Invalid equipment type entered.		
BOL0002	Order freight maintenance completed successfully.		
BOL0003	Order freight maintenance was not successful.		
BOL0004	Truck number must be entered for consolidated order &1.	*char	20
BOL0005	Consolidated Bill Of Lading flag must be "Y" or "N" for order &1.	*char	20
BOL0006	Stop number can not be zero for a truck load shipment		
BOL0007	Stop number must be 0 for Parcel, Air and LTL shipments.		
BOL0008	The consolidated flag must entered for order &1.	*char	20
BOL0009	A stop record is missing for order &1.	*char	20
BOL0010	Only 1 pool warehouse is allowed per stop		
BOL0011	The destination carrier does not match		
BOL0012	Other customers exist for this stop that are not pool points on the manifest you are transferring to.		

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BOL0013	If Original stop is a pool point, the stop you are transferring to must be a pool point.		
BOL0014	Order cannot be consolidated on a shipment to a different address.		

New Files

The following new physical and logical files will need to be created.

Name	Description	Type
WCBOLF01	CalcBOL Configuration Options	New-PF
WCBOLL01	CalcBOI Configuration Options	New-LF
WOPHBL1	WHS/CARR/TRUK/STOP	New-LF
WORHBL1	WHS/COMP/ORTY/ORDN	New-LF
WORHBL2	WHS/CARR/TRUK/STOP	New-LF
WSOHBL1	WHS/PPLN/ORDN	New-LF
WSOHBL2	WHS/COMP/ORTY/ORDN	New-LF
WSOHBL3	WHS/CARR/TRUK/OHSTOP	New-LF
WQNCB	Non Rating Carrier	New-PF
WQNCBF01	Non Rating Carrier	New-LF
WQNCBL01	Non Rating Carrier	New-LF

To create a Physical file that is new (PF-NEW) Type:

CRTPF FILE (modfileslib/objectname) SRCFILE (modfileslib/QDDSSRC) SIZE (*NOMAX)

To create a Logical file that is new (LF-NEW0 type):

CRTLFILE (modfileslib/objectname) SRCFILE (modfileslib/QDDSSRC)

PRMS GW Interface Programs (not shipped if User is not licensed to PRMS as their primary business system)

The GW interface programs have been modified to use the PRMS carrier and not the Ship Via field to default the carrier. In PRMS 9.1 an incident was applied to do this. A check was made in the PRMS update program to insure that the any Consolidated Bills Of Lading were complete before the order is transferred back to PRMS.

PRMS Order Entry and Billing Programs (not shipped if User is not licensed to PRMS as their primary business system)

Invoice Release is shipped with the GW interface programs. If you are a PRMS Order Entry user and you are not installing the PRMS Order Entry Consolidated Bill Of Lading interface, you will need to apply the /Sxx mod markings to your invoice release program. These modifications will insure that accrued freight is not posted twice for orders consolidated in Warehouse BOSS. It will also allow the split transport screen to be skipped during invoice release.

Also shipped with the GW programs are CBOL32R – the program that writes general ledger freight expense transactions and the copybooks for date manipulation used by CBOL32R. These source members are duplicates of the ones shipped with the PRMS Order Entry Consolidated Bill Of Lading interface.

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Installation Notes

1. Sign on as user APC. All objects are owned by user APC. If this user does not exist on your AS/400 it should be created with programmer rights or you will need to change the ownership of the objects contained in the CALCBOLW60 library.
2. Make sure that you Warehouse BOSS files library and your CalcRate library are in your library list.
3. Make sure that the libraries you are restoring do not already exist on your system. If they do you will need to either rename the existing libraries, or restore the new libraries to a different name.

Restore the following save files CALCBOLW60 from the media supplied.

4. Restore library CALCBOLW60 from save file CALCBOLW60. A substitute name for the library and save file may be in your cover letter.
RSTLIB SAVLIB(CALCBOLW60)
DEV(*SAVF)
SAVF(CALCBOLW92) RSTLIB(CALCBOLW60)
5. Merge the message file ADDPDSMSG with PDSMSG using the MRGMSG command.
If you have previously installed the CalcBOL Warehouse BOSS interface on your current Warehouse BOSS installation you may skip this step.
MRGMSGF FROMMSGF(CALCBOLW60/ADDPDSMSG)
TOMSGF(PDSMSG)
6. Set-up the check points in Warehouse BOSS for the new programs.
If you have previously installed the CalcBOL Warehouse BOSS interface on your current Warehouse BOSS installation you may skip this step.
There are two files shipped with the interface ADDTOWAUFB and ADDTOWSCFB. They set up security for the user WHSB. You can copy these files into WAUFB and WSCFB with the MBROPT(*ADD) parameter or you can manually enter the security information as previously documented.

CPYF FROMFILE(CALCBOLW60/ADDTOWAUFB)
TOFILE(WAUFB)
MBROPT(*ADD)
CPYF FROMFILE(CALCBOLW60/ADDTOWSCFB)
TOFILE(WSCFB)
MBROPT(*ADD)
7. Check the logical files listed in the NEW FILES section to make sure that they restored completely over the file in the correct library.
8. Compile the members in, QRPGSRC in library CALBOLW60. This step is to insure that there are no level checks due to differences in your CalcRate environment.
9. The modified Warehouse BOSS may not contain all the currently available incidents. You must review the incidnets applied to your base and determine if they must be reapplied to the supplied code. The IBM MRGSRC command can be used to help re-apply incidents.

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10. If you are not a PRMS user, then you should delete program CBOL88R. This is used to retrieve bill of lading codes and will hard halt when you confirm a manifest if you are not a PRMS user.
11. If you are not a user of PRMS or if your PRMS files will not be in your Warehouse BOSS library list, then you will need to create the following data areas if they do not exist in your library.

**CRTDTAARA DTAARA(CALCBOLW60/CENTYR) TYPE(*DEC) LEN(2 0) VALUE(40)
TEXT('Year to start earlier century')**

**CRTDTAARA DTAARA(CALCBOLW60/CNTRY1) TYPE(*DEC) LEN(2 0) VALUE(19)
TEXT('Earlier century')**

**CRTDTAARA DTAARA(CALCBOLW60/CNTRY2) TYPE(*DEC) LEN(2 0) VALUE(20)
TEXT('Later century')**