

CMS WORLDLINK: CLIENT & SERVER EVENTS

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TABLE OF CONTENTS

Server Events	3
Client Events	21
Appendix A: Revision History	30



SERVER EVENTS

1) WL After EOD Rate Synchronization

Description: Event to perform actions after EOD (End of Day) Rate Synchronization

Event: After EOD rates are synchronized within WL. This action occurs from 2 different places:

1. Automatically at the time of manifest posting and
2. On-demand from archive manifest screen

Function Call:

- a) This event is called when Create/ Activate/ Post/ Close/ Resume/ PickUp Rec. button on Manifests Explorer is clicked.
- b) This event is called when "Sync Rates" button on Archived Manifests page is clicked.

2) WL After Host Scan

Description: Event to retrieve information from Host System to perform "Shipping" operation in WL

Event: Upon clicking Host button on Process Shipment screen

Function Call: This event is called when "Host" button on Process Shipment page is clicked

After Event Call:

- i. WL Before E-Motion Ship Package – Call the event before the Automation package. User can modify the Shipment xml data. Use pDocument object in the script.
- ii. WL Before BestWay Compare - Call the event to modify shipping results after a package gets rated, while rating using a BestWay ShipVia.
- iii. WL Before Ship Package – Call the event before sending data to the engine.
- iv. WL After Rate Package – Call the event After rate to change the freight charges.
- v. WL Custom Label- Call the event after rate to add the custom label.
- vi. WL After Ship Package- Call the event after the package ships.
- vii. WL After Ship Shipment - Call the event to re-send the data back to Host System at Shipment Level.
- viii. WL EDI Transmission After Shipment – Call the event if EDI data needs to be transmitted after the shipment.

3) WL After Package Retry



Description: Event to re-transmit information to Host system for a package

Event: Upon clicking "Send To Host" button on the View Shipments page. This event can also be executed for those packages that were not retrieved from the Host system initially.

Function Call: This event is called when "Send To Host" button on View Shipment page is clicked

After Event Call:

- i. WL After Shipment Retry - Call the event to re-send the data back to Host System at Shipment Level.

4) WL After Rate Package

Description: Event to modify data after package gets shipped in the rating engine

Event: Just after the package gets shipped in rating engine (before storing information in WL database) this event gets executed for all the packages (Manual or Host)

Function Call: This event is called when "Rate" and "Ship" button on Process Shipment page is clicked. It is also called for API Ship and Rate transactions.

Before Event Call:

- i. WL Before BestWay Compare - Call the event to modify shipping results after a package gets rated, while rating using a Bestway ShipVia.
- ii. WL Before Ship Package – Call the event before sending data to the engine.

After Event Call:

- i. WL Custom Label- Call the event after rate to add the custom label.
- ii. WL after Ship Package- Call the event after the package shipped.
- iii. WL After Ship Shipment - Call the event to re-send the data back to the Host System at Shipment Level.
- iv. WL EDI Transmission After Shipment – Call the event if EDI data need to be transmitted after the shipment.

5) WL After Ship API

Description: Transmits information to Host system after a package gets shipped successfully in WL. Call from API

Event: Only for packages that have been retrieved from Host system. After package gets shipped successfully in rating engine and data gets stored in WL database



Before Event Call:

- i. WL Before BestWay Compare - Call the event to modify shipping results after a package gets rated, while using a BestWay ShipVia.
- ii. WL Before Ship Package - Call the event before sending data to the engine.
- iii. WL After Rate Package - Call the event After rate to change the freight charges.
- iv. WL Custom Label- Call the event after rate is added the custom label.
- v. WL After Ship Package- Call the event after the package shipped.
- vi. WL After Ship Shipment- Call the event to re-send the data back to Host System at Shipment Level.
- vii. WL EDI Transmission After Shipment- Call the event if EDI data needs to be transmitted after the shipment.

6) WL After Ship Complete (For Testing purposes only)

Function Call: This event is called when "Ship" button on Process Shipment page is clicked

Before Event Call:

- i. WL Before BestWay Compare - Call the event to modify shipping results after a package gets rated, while rating using a BestWay ShipVia.
- ii. WL Before Ship Package - Call the event before sending data to the engine.
- iii. WL After Rate Package - Call the event After rate to change the freight charges.
- iv. WL Custom Label- Call the event after rate to add the custom label.
- v. WL After Ship Package- Call the event after the package is shipped.
- vi. WL After Ship Shipment - Call the event to re-send the data back to Host System at Shipment Level.
- vii. WL EDI Transmission After Shipment - Call the event if EDI data need to be transmitted after the shipment.

7) WL After Ship Package

Description: Transmit information to Host system after a package gets shipped successfully in WL

Event: Only for packages that have been retrieved from Host system. After package gets shipped successfully in rating engine and data gets stored in WL database. Domestic only.

Function Call: This event is called when "Ship" button on Process Shipment page is clicked. It does not get called for packages on hold.

Before Event Call:

- i. WL Before BestWay Compare - Call the event to modify shipping results after a package gets rated, while rating using a BestWay ShipVia.



- ii. WL Before Ship Package – Call the event before sending data to the engine.
- iii. WL After Rate Package – Call the event After rate to change the freight charges.
- iv. WL Custom Label- Call the event after rate to add the custom label.

After Event Call:

- i. WL After Ship Shipment- Call the event to re-send the data back to Host System at Shipment Level.
- ii. WL EDI Transmission After Shipment - Call the event if EDI data need to be transmitted after the shipment.

8) WL After Ship Shipment

Description: Transmit information to Host system after complete shipment gets shipped successfully in WL. Input variables will have the information for all the packages in the Shipment

Event: Only for shipments that have been retrieved from Host system. After last package in the shipment gets shipped successfully in rating engine and data gets stored in WL database

Function Call: This event is called when “Ship” button on Process Shipment page is clicked

Before Event Call:

- i. WL Before BestWay Compare - Call the event to modify shipping results after a package gets rated, while using a BestWay ShipVia.
- ii. WL Before Create Manifest - Call the event if the Package date is in the Future or Manifest not found.
- iii. WL After Create Manifest – Call the event if the Package Date is in the Future or Manifest not found.
- iv. WL Before Ship Package – Call the event before sending data to the engine.
- v. WL After Rate Package – Call the event After rate to change the freight charges.
- vi. WL Custom Label- Call the event after rate to add the custom label.
- vii. WL After Ship Package- Call the event after the package ship.

After Event Call:

- i. WL EDI Transmission After Shipment- Call the event if EDI data need to be transmitted after the shipment.

9) WL After Shipment Retry

Description: Event to re-transmit information to Host System after the entire shipment

Event: Upon clicking “Send To Host” button on View Shipments Page. This event can also be executed for those shipments that were not retrieved from Host shipments initially



Function Call:

- a) This event is called when "Send To Host" button on View Shipment page is clicked
- b) This event is called when "Send the data to the Host System?" is checked and "Clear All" button on Process Shipment page is clicked
- c) This event is called when "Ship" button on Process Shipment page is clicked and after "After Ship Shipment" is successful

Before Event Call:

- i. WL After Package Retry- Call the event to re-send the data back to Host System at Package Level.

10) WL After Void Package

Description: Event to send information to Host System after a package is voided

Event: After a package gets voided successfully in the rating engine as well as in WL database. This function also gets called on void and reship.

Function Call:

- a) This event is called when "Void" button on View Shipment page is clicked
- b) This event is called when "Void" button on Process Shipment page is clicked
- c) This event is called when "Ship" button is clicked after viewing the Package on Process Shipment page

Before Event Call:

- i. WL Before Void Package – Call the event after calling Void Package.
- ii. WL Before Void Shipment – Call the event after calling Void Shipment.

After Event Call:

- i. WL After Void Shipment – Call the event after void the shipment.

11) WL After Void Shipment

Description: Event to perform actions after a complete Shipment is voided



Event: After a shipment gets voided successfully in the rating engine as well as in WL database. Function call happens on Void Shipment and Void Batch only.

Function Call: This event is called when “Void” button on View Shipment page is clicked. It is called only while voiding the shipments or voiding the batch shipments.

Before Event Call:

- i. WL Before Void Shipment- Call the event before Process Void Shipment.
- ii. WL Before Void Package – Call the event before Process Void Package.
- iii. WL After Void Package – Call the event after Process Void Package.

12) WL Batch Order

Description: Event to retrieve information from Host system for a batch of Shipments

Event: Upon clicking “Batch” button on Process shipments page

Function Call: This event is called when “Batch” button on Process Shipment page is clicked

13) WL Before BestWay Compare

Description: Event to modify shipping results after a package gets rated, while rating using a BestWay or Days in Transit. If freight is set to zero in this event, the ShipVia will be excluded from Rate Shop.

Event: Just after rating results come back from the Rating engine but before freight charges will be compared against the other ShipVias

Function Call: This event is called when “Rate” button on Process Shipment page is clicked. It is called only when ShipVia is BestWay or Deliver By.

After Event Call:

- i. WL Before Ship Package – Call the event before sending data to the engine.
- ii. WL After Rate Package – Call the event After rate to change the freight charges.
- iii. WL Custom Label – Call the event after rate to add the custom label.
- iv. WL After Ship Package – Call the event after the package is shipped.
- v. WL After Ship Shipment – Call the event before sending data to the engine.
- vi. WL EDI Transmission After Shipment – Call the event if EDI data needs to be transmitted after the shipment.

14) WL Before Carrier Label Reprint

Description: Event to perform action before re-printing a carrier label



Event: Upon clicking Reprint Carr. button on View Shipments Page

Function Call: This event is called when "Reprint Carr." button on View Shipment page is clicked

Before Event Call:

- i. WL Before Customer Label Reprint - Call the server side event, only if re-printing the custom labels.

15) WL Before Custom Label Reprint

Description: Event to perform action before re-printing a custom label

Event: Upon clicking Reprint Custom button on View Shipments Page

Function Call:

- a) This event is called when "Reprint Cust." button on View Shipment page is clicked.
- b) This event is called when "Reprint Carr." button on View Shipment page is clicked.

16) WL Before E-Motion Ship Package

Description: Event to modify shipment information before a package gets shipped via e-motion station

Event: Just before package is getting ready to be sent to the rating engine via e-motion station. This works as "Client events" in WL for E-Motion stations

After Event Call:

- i. WL Before Ship Package - Call the event before sending data to the engine.
- ii. WL Custom Label - Call the event after rate to add the custom label.
- iii. WL After Ship Package - Call the event after the package is shipped.
- iv. WL EDI Transmission After Shipment - Call the event if EDI data need to be transmitted after the shipment.

17) WL Before Ship API

Description: Event to modify shipment information before a package gets shipped. Call from API. Normally used to pull data from Host and map custom XML to WL Ship XML for simple API transactions.

Event: Just before data gets sent to the rating engine

After Event Call:



- i. WL Before Ship Package - Call the event before sending data to the engine.
- ii. WL Custom Label - Call the event after rate to add the custom label.
- iii. WL After Ship Package - Call the event after the package ship.
- iv. WL EDI Transmission After Shipment - Call the event if EDI data need to be transmitted after the shipment.
- v. WL After Ship API - Call the event after ship.

18) WL Before Ship Package

Description: Event to modify shipment information before a package gets shipped

Event: Just before data gets sent to the rating engine

Function Call:

- a) This event is called when "Ship" button on Process Shipment page is clicked.
- b) This event is called when "Rate" button on Process Shipment page is clicked.

Before Event Call:

- i. WL Before BestWay Compare - Call the event to modify shipping results after a package gets rated, while using a BestWay ShipVia.
- ii. WL After Void Package - Call the event Void package, if it has already been shipped from view then if it is a Host shipment or WL Office shipment call the script to send data.

After Event Call:

- i. WL After Rate Package - Call the event after rate to change the freight charges.
- ii. WL After Ship Package - Call the event after the package is shipped.
- iii. WL After Ship Shipment - Call the event if it is a host shipment.
- iv. WL EDI Transmission After Shipment - Call the event if EDI data need to be transmitted after the shipment.

19) WL Before Void Package

Description: Event to perform actions before a package gets voided

Event: Before a package gets voided in the Rating engine. This event gets executed for all the packages (Host, Manual, DTL, etc)

Function Call:

- a) This event is called when "Void" button on Process Shipment page is clicked



- b) This event is called when “Void all the packages in the shipment?” is checked and “Clear All” button on Process Shipment page is clicked

After Event Call:

- i. WL After Void Package - Call the event after process void package.

20) WL Before Void Shipment

Description: Event to perform actions before a shipment gets voided

Event: Before WL gets ready to perform VOID operation on the very first package of the Shipment

Function Call: This event is called when “Clear All” button on Process Shipment page is clicked

After Event Call:

- i. WL Before Void Package - Call the event Before process void package.

21) WL Cons. Rates After BOL Posting (Non-Rated)

Description: Event to perform actions with consolidated rates for a non-rated WL LTL carrier account

Event: After a BOL gets “POSTED” for a non-rated WL LTL carrier account successfully

22) WL Cons. Rates After BOL Posting (Rated)

Description: Event to perform actions with consolidated rates for a rated WL LTL carrier account

Event: After a BOL gets “POSTED” for a rated WL LTL carrier account successfully

Function Call: This event is called when “PickUp Rec.” button on Manifest Explorer page is clicked

23) WL Custom Label

Description: Event to create Custom labels

Event:

- i. Event to create customized error label, if Host system returns an error while retrieving the data and
- ii. Event to generate the Custom label after a package gets shipped successfully in WL



Function Call:

- a) This event is called when “Ship” button on Process Shipment page is clicked
- b) This event is called when “Host” button on Process Shipment page is clicked

24) WL Customize Carrier Label

Description: Event to customize carrier label (shipping label)

Event: Very first step after the package gets shipped in the rating engine

Function Call: This event is called when “Ship” button on Process Shipment page is clicked

25) WL Customize UPS Pick-Up Label

Description: Event to customize pickup label (only for UPS carrier accounts)

Event: This event gets executed after PickUp label gets returned to WL in a string format

Function Call: This event is called when “UPS shipments” are selected and Create/ Activate/ Post/ Close/ Resume/ PickUp Rec. button on Manifests Explorer is clicked

26) WL EDI Re-Transmission After Shipment

Description: Re-Transmit EDI to carrier, if carrier account is configured accordingly

Event: After a shipment gets voided successfully in the rating engine as well as in WL database

Function Call: This event is called when “EDI Trans.” button on View Shipment page is clicked

27) WL EDI Transmission After Shipment

Description: Transmit EDI to carrier, if carrier account is configured accordingly. Input variables will have the information for all the packages in the Shipment

Event: After the last package in a shipment gets shipped successfully in the rating engine and WL. This is the very last process during the shipping process

Function Call: This event is called when “Ship” button on Process Shipment page is clicked

Before Event Call:

- i. WL Before BestWay Compare - Call the event to modify shipping results after a package gets rated, while rating using a BestWay ShipVia.
- ii. WL Before Ship Package - Call the event after the package is shipped.



- iii. WL After Rate Package - Call the event after rate to change the freight charges.
- iv. WL Custom Label - Call the event to modify custom label.
- v. WL After Ship Package - Call the event after the package is shipped.

28) WL Event for General Purpose

Description: A General Purpose event that can be utilized at any stage in the WL application

Event: Event that can be executed during any operations and from any screen from within WL

Function Call: This event is called when "API" menu on WL Help menu is clicked

29) WL Host Customers

Description: Event to retrieve Customer Address information from external database

Event: Upon clicking "OK" button on Customer Search form on Process shipments page

Function Call: This event is called when "Customers" button on Process Shipment page is clicked

30) WL Packing Host Request

Description: Event to retrieve information from Host System to perform "Packing" operation in WL

Event: Upon clicking Host button on Process Shipment screen

Function Call: This event is called when "Host" button on Packing Label page is clicked

31) WL Packing Host Response

Description: Event to retrieve information from Host System to perform packing operation in WL. Gets called upon clicking "Host" button on Packing screen.

32) WL RFID Host Request

Description: Event to retrieve information from Host system for RFID scan

Event: After some value(s) gets scanned or passed via Serial Scanner on RFID labeling screen

Function Call: This event is called when "Scan RFID" button on RFID Labeling page is clicked

33) WL RFID Host Response

Description: Event to send information to Host system for RFID scan



Event: After processing the value(s), scanned or passed via Serial Scanner on RFID labeling screen

Function Call: This event is called when "Scan RFID" button on RFID Labeling page is clicked

34) WL After Return Host Scan

Description: Event to retrieve information from Host System to perform "Return" operation in WL

Event: Upon clicking Host button on Process Return screen

Function Call: This event is called when "Host" button on Process Return page is clicked

35) WL After Return Shipment

Description: Transmit information to Host system after complete shipment gets shipped successfully in WL. Input variables will have the information for all the packages in the Shipment

Event: Only for shipments that have been retrieved from Host system. After last package in the shipment gets shipped successfully in rating engine and data gets stored in WL database

Function Call: This event is called when "Ship" button on Process Shipments page is clicked

Before Event Call:

- i. WL Before BestWay Compare - Call the event to modify shipping results after a package gets rated, while rating using a BestWay ShipVia.
- ii. WL Before Create Manifest - Call the event if the Package date is in the Future or Manifest not found.
- iii. WL After Create Manifest - Call the event if the Package Date is in the Future or Manifest not found.
- iv. WL Before Process Return - Call the event before sending data to the engine.

After Event Call:

- i. WL EDI Transmission after Shipment - Call the event if EDI data need to be transmitted after the shipment.

36) WL After Void Return

Description: Event to send information to Host System after a package is voided

Event: After a package gets voided successfully in the rating engine as well as in WL database



Function Call:

- a) This event is called when “Void” button on View Shipments page is clicked
- b) This event is called when “Void” button on Process Returns page is clicked
- c) This event is called when “Ship” button is clicked after viewing the Package on Process Return page

Before Event Call:

- i. WL Before Void Package – Call the event after calling Void Package.
- ii. WL Before Void Shipment – Call the event after Calling Void Shipment.

After Event Call:

- i. WL After Void Shipment – Call the event after void the shipment.

37) WL Before Process Return

Description: Event to modify Return information before a package gets shipped

Event: Just before data gets sent to the rating engine

Function Call:

- a) This event is called when “Ship” button on Process Returns page is clicked.
- b) This event is called when “Rate” button on Process Returns page is clicked.

Before Event Call:

- i. WL Before BestWay Compare - Call the event to modify shipping results after a package gets rated, while rating using a BestWay ShipVia.
- ii. WL After Void Package - Call the event Void package, if it has already been shipped from view then if it is Host shipment or WL Office shipment call the script to send data.

After Event Call:

- i. WL After Return Shipment – Call the event if it is a host shipment.
- ii. WL EDI Transmission After Shipment - Call the event if EDI data need to be transmitted after the shipment.

38) WL After Process Return

Description: Event to modify shipment information before a package gets shipped

Event: Just before data gets sent to the rating engine



Function Call:

- a) This event is called when “Ship” button on Process Return page is clicked.
- b) This event is called when “Rate” button on Process Return page is clicked.

Before Event Call:

- i. WL Before BestWay Compare - Call the event to modify shipping results after a package gets rated, while rating using a BestWay ShipVia.
- ii. WL After Void Package - Call the event Void package, if it is already been shipped from view then if it is Host shipment or WL Office shipment call the script to send data.
- iii. WL Before Process Return - Call the event before sending data to the engine.

After Event Call:

- i. WL After Return Shipment – Call the event if it is a host shipment.
- ii. WL EDI Transmission After Shipment - Call the event if EDI data need to be transmitted after the shipment.

39) WL Customize Return Carrier Label

Description: Event to customize carrier label (shipping label)

Event: Very first step after the package gets shipped in the rating engine

Function Call: This event is called when “Ship” button on Process Returns page is clicked

40) WL After Process Return Shipment Retry

Description: Call the Event to re-send the data back to Host System at Shipment Level.

Event: Upon clicking “Send to Host” button on the View Shipments page. This event can also be executed for those packages that were not retrieved from the Host system initially.

Function Call: This event is called when “Send To Host” button on View Shipment page is clicked

41) WL After Process Return Package Retry

Description: Call the Event to re-send the data back to Host System at Package Level.

Event: Upon clicking “Send to Host” button on the View Shipments page. This event can also be executed for those packages that were not retrieved from the Host system initially.

Function Call: This event is called when “Send To Host” button on View Shipment page is clicked

42) WL Before Create Manifest



Description: Call the Event before creating the manifest of the shipment.

Event: Upon clicking "Create" button on the Manifest Page.

Function Call:

- a) This event is called when "Create" button on Manifest page is clicked.

After Event Call:

- i. WL After Create Manifest - Call the event if the Package date is in the Future or Manifest not found.

43) WL After Create Manifest

Description: Call the Event After creating the manifest of the shipment.

Event: Upon clicking "Create" button on the Manifest Page.

Function Call:

- a) This event is called when "Create" button on Manifest page is clicked.

Before Event Call:

- i. WL Before Create Manifest - Call the event if the Package date is in the Future or Manifest not found.

44) WL Before Close Manifest

Description: Call the Event Before closing the manifest of the shipment.

Event: Upon clicking "Close" button on the Manifest Page.

Function Call:

- a) This event is called when "Close" button on Manifest page is clicked.

After Event Call:

- i. WL After Close Manifest - Call the event after closing the manifest.

45) WL After Close Manifest

Description: Call the Event After closing the manifest of the shipment.

Event: Upon clicking "Close" button on the Manifest Page.

Function Call:



- a) This event is called when “Close” button on Manifest page is clicked.

Before Event Call:

- i. WL Before Close Manifest - Call the event before closing the manifest.

46) WL Before Resume Manifest

Description: Call the Event Before resuming the manifest of the shipment.

Event: Upon clicking “Resume” button on the Manifest Page.

Function Call:

- a) This event is called when “Resume” button on Manifest page is clicked.

After Event Call:

- i. WL After Resume Manifest - Call the event after Resume the manifest.

47) WL After Resume Manifest

Description: Call the Event after resuming the manifest of the shipment.

Event: Upon clicking “Resume” button on the Manifest Page.

Function Call:

- a) This event is called when “Resume” button on Manifest page is clicked.

Before Event Call:

- i. WL before Resume Manifest - Call the event before Resuming the manifest.

48) WL Before Post Manifest

Description: Call the Event Before posting the manifest of the shipment.

Event: Upon clicking “Post” button on the Manifest Page.

Function Call:

- a) This event is called when “Post” button on Manifest page is clicked.

After Event Call:

- i. WL ConnectShip Request – Call the event before printing the manifest.
- ii. WL ConnectShip Response – Call the event after printing the manifest.
- iii. WL after Post Manifest - Call the event after Post the manifest.



49) WL After Post Manifest

Description: Call the Event after posts the manifest of the shipment.

Event: Upon clicking "Post" button on the Manifest Page.

Function Call:

- a) This event is called when "Post" button on Manifest page is clicked.

Before Event Call:

- i. WL Before Post Manifest - Call the event before Post the manifest.
- ii. WL ConnectShip Request - Call the event before printing the manifest.
- iii. WL ConnectShip Response - Call the event after printing the manifest.

50) WL Before Active Manifest

Description: Call the Event before activating the manifest.

Event: Upon clicking "Active" button on the Manifest Page.

Function Call:

- a) This event is called when "Active" button on Manifest page is clicked.

After Event Call:

- i. WL After Active Manifest - Call the event after activating the manifest.

51) WL After Active Manifest

Description: Call the Event after Activating the manifest of the shipment.

Event: Upon clicking "Active" button on the Manifest Page.

Function Call:

- a) This event is called when "Active" button on Manifest page is clicked.

Before Event Call:

- i. WL Before Active Manifest - Call the event before activating the manifest.

52) WL ConnectShip Request

Description: Whenever Call the ConnectShip engine



Event: Whenever call the ConnectShip engine from Process Shipment page, Process Return page, View Shipment page and Manifest page.

Function Call:

- a) This event called when "Ship" button on Process Shipment page is clicked.
- b) This event called when "Ship" button on Process Return page is clicked.
- c) This event called when "Void" button on Process Shipment page is clicked.
- d) This event called when "Void" button on Process Return page is clicked.
- e) This event called when "Post" button on Manifest page is clicked.

After Event Call:

- i. WL ConnectShip Response – Call the event After process result from the ConnectShip engine.

53) WL ConnectShip Response

Description: Whenever Call the ConnectShip engine

Event: Whenever call the ConnectShip engine from Process Shipment page, Process Return page, View Shipments page and Manifest page.

Function Call:

- a) This event called when "Ship" button on Process Shipment page is clicked.
- b) This event called when "Ship" button on Process Return page is clicked.
- c) This event called when "Void" button on process Shipment page is clicked.
- d) This event called when "Void" button on Process Return page is clicked.
- e) This event called when "Post" button on Manifest page is clicked.

Before Event Call:

- i. WL ConnectShip Request – Call the event before process result from the ConnectShip engine.



CLIENT EVENTS**1) DL Process Request**

Description: Event to perform operations while processing DTL request. This event gets executed on clicking 'Create Request' button on Create Shipment Request Screen.

Function Call:

- a) Before_Stop_Shipment – This function is called before stopping a DTL request from the Shipping Request History.
- b) Before_View_Shipment – This function is called before viewing a DTL request from the Shipping Request History.
- c) Before_Hold_Shipment - This function is called before holding a DTL request from the Shipping Request History.
- d) Before_UnHold_Shipment - This function is called before releasing a DTL request from hold from the Shipping Request History.
- e) Before_Reprint_Shipment - This function is called before reprinting a DTL request from the Shipping Request History.

2) DL Track Request

Description: Event to perform operations while tracking DTL request. This event gets executed on clicking 'Track' menu on DTL menu.

Functions Call:

- a) Before_Stop_Shipment – This function is called before stopping a DTL request from the Track My Packages Search Results.
- b) Before_View_Shipment – This function is called before viewing a DTL request from the Track My Packages Search Results.
- c) Before_Hold_Shipment - This function is called before holding a DTL request from the Track My Packages Search Results.
- d) Before_UnHold_Shipment - This function is called before releasing a DTL request from hold from the Track My Packages Search Results.
- e) Before_Reprint_Shipment - This function is called before reprinting a DTL request from the Track My Packages Search Results.

3) DL View Request

Description: Event to perform operations when view DTL request. This event gets executed on clicking 'View' button on Create Shipment Request Screen or Track My Packages/View History

Functions Call:



- a) Before_Stop_Shipment – This function is called before stopping a DTL request from the Track My Packages View Results.
- b) Before_View_Shipment – This function is called before viewing a DTL request from the Track My Packages View Results.
- c) Before_Hold_Shipment - This function is called before holding a DTL request from the Track My Packages View Results.
- d) Before_UnHold_Shipment - This function is called before releasing a DTL request from hold from the Track My Packages View Results.
- e) Before_Reprint_Shipment - This function is called before reprinting a DTL request from the Track My Packages View Results.

4) WL After Login Form

Description: Event to perform operations after Logging into WL. This event gets executed on clicking 'OK' button on Login form

5) WL Archive Manifest Explorer

Description: The Archive Manifest Client Scripts section contains functions that execute when certain Archive manifest tasks are done. Code can be developed that occurs immediately before or after the indicated tasks.

Functions Call:

- a) Custom_BeforeClose(a_oXmlNode) - This function is called after the Close button is pressed and before the carrier is closed.
- b) Custom_AfterClose(a_oXmlNode) - This function is called after the closing of the manifest.
- c) Custom_BeforeCreate(a_oXmlNode) - This function is called after the Create button is pressed and before the manifest is created.
- d) Custom_AfterCreate(a_oXmlNode) - This function is called after the creation of the archive manifest.
- e) Custom_BeforeActivate(a_oXmlNode) - This function is called after the Activate button is pressed and before the future archive manifest is imported into the current manifest.
- f) Custom_AfterActivate(a_oXmlNode) - This function is called after the activation of the archive manifest.
- g) Custom_BeforeResume(a_oXmlNode) - This function is called after the Resume button is pressed and before the archive manifest is updated to the current archive manifest.
- h) Custom_AfterResume(a_oXmlNode) - This function is called after the resumption of the archive manifest.
- i) Custom_BeforePrint(a_oXmlNode) - This function is called after the Print button is pressed and before the archive manifest is printed. If the selected Carrier is of the WorldLink Rating Engine type and it has a custom archive manifest report assigned,



populate the database View/Table name here. The same name will be used at the time of reprinting the archive manifest.

- j) Custom_AfterPrint(a_oXmlNode) - This function is called after the printing of the archive manifest.
- k) UserButton1Click() - This function is called after clicking on user button1.
- l) UserButton2Click() - This function is called after clicking on user button2.
- m) In each function is a variable with the function name set to TRUE by default. Returning a value of FALSE will stop the process that called the function and return focus to the screen.

6) WL BOL Operations

Description: The BOL Client Scripts section contains functions that execute when certain BOL and manifest tasks are done. Code can be developed that occurs immediately before or after the indicated tasks.

Functions Call:

- a) CustomBOL_PrintMaster ()-This function is called after the Print button is pressed. If selected Carrier is of the LTL type and it has a custom archive manifest report assigned, populate the database View/Table name here. The same name will be used at the time of pressing the Reprint button in Archive Manifest, pressing Post button in Manifest and pressing Print button in BOL Explorer page/Archive BOL Explorer page.
- b) CustomBOL_ReprintMaster - This function is called after the Reprint button is pressed. If selected Carrier is of the LTL type and it has a custom archive manifest report assigned, populate the database View/Table name here. The same name will be used at the time of reprinting by pressing the reprint button in Archived Manifest.
- c) CustomBOL_DeleteClick - This function is called after the delete button is pressed on the BOL Explorer.
- d) CustomBOL_ChangeCarrier - This function is called after the change carrier button is pressed on the BOL Explorer.
- e) CustomBOL_RateClick - This function is called after the Rate button is pressed on the BOL Explorer.

7) WL Export Consolidation

Description: Event to perform operations while processing Consolidation. This event gets executed on clicking 'Export Consolidation' menu option under Transactions

Functions Call:

- a) BeforeAddShipments - This function is called after the Create button is pressed on Export Consolidation Explorer.



- b) CheckOpenShipments - This function is called after the Create button is pressed on Export Consolidation Explorer.
- c) SetDataBaseView - This function is called after the View Doc. Button is pressed on Export Consolidation Explorer.

8) WL Login Form

Description: Event to perform operations while Logging into WL. This event gets executed on clicking any menu of WL

Functions Call:

- a) WindowOnLoad() - This function gets called before the Login screen is displayed.

9) WL Manifest Explorer

Description: The Manifest Client Scripts section contains functions that execute when certain manifest tasks are done. Code can be developed that occurs immediately before or after the indicated tasks.

Functions Call:

- a) Custom_BeforeClose(a_oXmlNode) - This function is called after the Close button is pressed and before the carrier is closed.
- b) Custom_AfterClose(a_oXmlNode) - This function is called after the closing of the manifest.
- c) Custom_BeforeCreate(a_oXmlNode) - This function is called after the Create button is pressed and before the manifest is created.
- d) Custom_AfterCreate(a_oXmlNode) - This function is called after the creation of the manifest.
- e) Custom_BeforeActivate(a_oXmlNode) - This function is called after the Activate button is pressed and before the future manifest is imported into the current manifest.
- f) Custom_AfterActivate(a_oXmlNode) - This function is called after the activation of the manifest.
- g) Custom_BeforeResume(a_oXmlNode) - This function is called after the Resume button is pressed and before the manifest is updated to the current manifest.
- h) Custom_AfterResume(a_oXmlNode) - This function is called after resuming of the manifest.
- i) Custom_BeforePrint(a_oXmlNode) - This function is called after the Print button is pressed and before the manifest is printed. If the selected Carrier is of the WorldLink Rating Engine type and it has a custom manifest report assigned, populate the database View/Table name here. The same name will be used at the time of reprinting the manifest.



- j) Custom_AfterPrint(a_oXmlNode) - This function is called after the printing of the manifest.
- k) UserButton1Click () - This function is called after clicking on user button1.
- l) UserButton2Click () - This function is called after clicking on user button2.
- m) In each function is a variable with the function name set to TRUE by default. Returning a value of FALSE will stop the process that called the function and return focus to the screen.

10) WL Packing Label

Description: Labels can be printed before shipment using the Packing Label feature. This needs customization of labels and code to be written in order to utilize this feature

Functions Call:

- a) UpdatePrinter () - This function is called after clicking on the Print and Reprint buttons on the Package Label page.
- b) SetCustomLabelData - This function is called after clicking on the Print button on Package Label page.

11) WL Process Shipments

Description: Event to perform operations while processing Shipping operations. This event gets executed on clicking 'Process Shipments' menu option under Transactions

Functions Call:

- a) Custom_AfterClearScreen- This function is called after clicking on the Clear All button on Process Shipment page.
- b) Before_ResendDataToHost - This function is called after clicking on the Host button on Process Shipment page.
- c) Before_ValidateScreen - This function is called after clicking on the Ship button for validating Box number on Process Shipment page.
- d) Custom_FilterShipVias - This function is called after loading Process Shipment page.
- e) CustomBeforeShip(oXml) - This function is called after clicking on the Ship button on Process Shipment page.
- f) BatchOrderEvent(oXml) - This function is called after clicking on the Batch button on Process Shipment page.
- g) BeforeDataDisplay(oXml)- This function is called after clicking on the Host button on Process Shipment page.
- h) Before_Pack() - This function is called after clicking on the Ship button on Process Shipment page.
- i) After_Pack() - This function is called after clicking on the Ship button on Process Shipment page.
- j) BeforeFreightDetails() - This function is called after clicking on the Ship button on Process Shipment page.



- k) `GetPackageWeight(a_oXml, a_oXmlConfig)`- This function is called after the Ship button or Rate button is pressed.
- l) `UpdatePrinter(a_IngOption, a_oXML, a_strPrinter, a_oXMLResults)`- This function is called after data is returned from the rating engine but before it is displayed on the process shipments screen shipping history section. IngOption can be either 0 or 1 with 0 indicating a carrier label and 1 indicating a custom WorldLink label. strPrinter is the Windows printer name from the station configuration. This function allows choosing a windows printer dynamically (on the fly).
- m) `WindowOnLoad()` - This function gets called before the Process Shipments screen is displayed. This event occurs regardless of the Boolean value returned. The appearance of the shipping screen can be modified here.
- n) `SetExportDocs(a_strOption, a_objOrgNode, a_oXML, a_oXMLResponse, a_strReport, a_strPrinter, a_IngNumberOfCopies, a_strVersion)` - a_strVersion parameter needs to be set to indicate to WorldLink the data source for printing a commercial invoice. This parameter value needs to be set only if a_strOption = "CI". a_strVersion = 1 implies that datasource = vwCommercialInvoice. Please set this value accordingly as per business specifications.
- o) `AfterHostScan(a_oXmlHost)` - This function is called after Host data is returned from the server and before it is displayed on the Process Shipments screen.
- p) `BeforeVoid(a_oXml)` - This function is called when the Void button is pressed. It fires before the void command is sent to the rating engine. Access rights are checked before getting to this function.
- q) `BeforeReprint(a_oXml)` - This function is called after the clicking on the Reprint button on Process Shipment page.
- r) `HostModifyLookupKeyEvent(strOriginal, strPkgId)` - This function is called when the Host(F7) button is pressed. strOriginal is what is scanned and strPkgId is the package identifier.
- s) `Client_After_LockShipment()` - This function is called after the first package of a multi-package shipment is processed. This event occurs after certain fields on the process shipment screen have been locked. This function ignores the Boolean value returned.
- t) `Reprint_UpdatePrinter(IngOption, a_oXml)` - This function is called after clicking on the Reprint button on Process Shipment page.
- u) `Batch_ErrorDisplay()` - This function is called after the clicking on the Batch button on Process Shipment page.
- v) `Client_SWOSValidation()` - This function is called after the clicking on the SWOS button on Process Shipment page.

12) WL Station Configuration

Description: Event to perform operations to configure the workstation for E-Motion Shipping. This event gets executed on clicking 'Station Configuration' menu option on Local Config

Functions Call:



- a) WindowOnLoad() - This function gets called before the Station Configuration screen is displayed.

13) WL Search Criteria Form

Description: Event to perform operations to search Shipping information by applying various search criteria. This event gets executed on clicking 'View Shipments' menu option on Transactions

Functions Call:

- a) Before_OkClick() - This function gets called before the Ok button is pressed before processing the search criteria on the process criteria search form.
- b) ModifySearch(a_objReference)- This function gets called before the Ok button is pressed on the process criteria search form.
- c) SetBOLParameters(a_strReportName, a_strViewName, a_IngVics, a_objOrgNode) -
- d) CustomBOL_PrintBOL(a_objOrgNode, a_strReportName, a_strSubReportName, a_strSQL, a_strSubSQL)

14) WL View Shipments

Description: Event to perform operations to View Shipment Information. This event gets executed on clicking Ok button of 'Search criteria' form

Functions Call:

- a) BeforeVoidPackage(a_oXmlShipment, a_IngPackagIndex) - This function gets called immediately after a package is chosen as the type of item to void.
- b) AfterVoidPackage(a_oXmlShipment, a_IngPackageIndex) - This function gets called just before the control is returned to the view shipment screen.
- c) AfterVoidShipment(a_oXmlShipment) - This function gets called just before the control is returned to the view shipment screen.
- d) BeforeVoidShipment(a_oXmlShipment) - This function gets called immediately after a shipment is chosen as the type of item to void.
- e) UpdatePrinter(a_IngOption, a_oXmlShipment, a_strPrinter, a_IngPackageIndex) - This function is called after data is returned from the rating engine but before it is displayed on the View Shipments screen. IngOption can be either 0 or 1 with 0 indicating a carrier label and 1 indicating a custom WorldLink label. strPrinter is the Windows printer name from the station configuration. This function allows choosing a windows printer dynamically (on the fly).
- f) WindowOnLoad() - This function gets called before the View Shipments screen is displayed. This event occurs regardless of the Boolean value returned. The appearance of the view shipment screen can be modified here.
- g) BeforeReprint(a_IngOption, a_oXmlShipment, a_IngPackagIndex) - This function is called when the Reprint button is pressed. It fires before the reprint command is sent



to the rating engine. Access rights are checked before getting to this function. IngOption can be either 0 or 1 with 0 indicating a carrier label and 1 indicating a custom WorldLink label.

- h) AfterReprint(a_IngOption, a_oXmlShipment, a_IngPackageIndex) - This function is called just before control is returned to the view shipment screen. IngOption can be either 0 or 1 with 0 indicating a carrier label and 1 indicating a custom WorldLink label.
- i) EmailWindow(a_oXML) - This function gets called after clicking on the Email Address button on the view shipment screen.

15) WL RFID Label

Description: Event to perform operations to scan RFID to allow package data for each package to be retrieved and printed from a source outside of the WorldLink application.

Function call:

- a) WindowOnUnload() - This function gets called upon unloading the window.
- b) Before_RFID_Scan(oXml) - This function gets called after click Scan RFID button and after the RFID Form opens.
- c) After_RFID_Scan(oXml) - This function gets called after OK button called from RFID Form.
- d) UserButton1Click() - This function used for the custom button.
- e) UserButton2Click()-This function used for the custom button.

16) WL Process Return

Description: Event to perform operations while processing Shipping operations. This event gets executed on clicking 'Process Return' menu option under Transactions

Functions Call:

- a) Custom_AfterClearScreen- This function is called after clicking on the Clear All button on Process Return page.
- b) Before_ResendDataToHost - This function is called after clicking on the Host button on Process Return page.
- c) BeforeProcess(oXml) - This function is called after clicking on the Ship button on Process Return page.
- d) AfterProcess(oXml) - This function is called after clicking on the Ship button on Process Return page.
- e) WindowOnLoad() - This function gets called before the Process Return screen is displayed. This event occurs regardless of the Boolean value returned. The appearance of the shipping screen can be modified here.
- f) BeforeHostScan(a_strXML) - This function is called Before Host data is sent to the server.



- g) AfterVoid(a_oXml) - This function is called when the Void button is pressed. It fires after the void command is sent to the rating engine.
- h) AfterHostScan(a_oXmlHost) - This function is called after Host data is returned from the server and before it is displayed on the Process Shipments screen.
- i) BeforeVoid(a_oXml) - This function is called when the Void button is pressed. It fires before the void command is sent to the rating engine. Access rights are checked before getting to this function.
- j) BeforeView(a_oXmlNode) - This function is called after clicking on the View button on Process Return page.
- k) AfterView(a_oXmlNode) - This function is called after clicking on the View button on Process Return page.
- l) BeforeReprint(a_oXml) - This function is called after clicking on the Reprint button on Process Return page.
- m) AfterReprint(a_oXml) - This function is called after clicking on the Reprint button on Process Return page.



APPENDIX A – REVISION HISTORY

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Revision History

Date	Changes	Changed By
June 1, 2009	<ul style="list-style-type: none">• Initial draft	Jenny Sweatt
July 9, 2009	<ul style="list-style-type: none">• Changes based on feedback from Majd	Preshit Gadkari
April 7, 2010	<ul style="list-style-type: none">• Changes based on latest review by Majd	Jenny Sweatt

