

# WebShip web service for ordering transport and printing shipping documentation

## Document Change History

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03.07.2018	10.63	BS	Document updated - insurvalue is mandatory
03.08.2018	10.64	BS	Documnt updated - shipmentpickup is mandatory when webServiceShipmentType is 1
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26.5.2022	13.21	JB	Added attribute returnlabel.
7.10.2022	13.47	JB	Edit CreateAndPrintCifShipmentWithSettingsResult
21.4.2023	14.09	MB	Added optional cash on delivery currency value.
28.8.2023	14.17	JB	Added function getRealPickupAddress.
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## Contents

1	Introduction.....	4
2	Params mapping for XML pick up points.....	4
3	Printing format.....	4
4	Web service description.....	4
4.1	WSDL 4	
4.2	Funcion createShipment 5	
4.2.1	Input values.....	5
4.2.2	Return values.....	5
4.3	Funcion createCifShipment 6	
4.3.1	Input values.....	6
4.3.2	Return values.....	6
4.4	Funcion createCifShipments 7	
4.4.1	Return values.....	7
4.5	Funcion printShipmentLabels 8	
4.5.1	Input values.....	8
4.5.2	Return values.....	8
4.6	Funcion printLabelsWithSettings 9	
4.6.1	Input values.....	9
4.6.2	Return values.....	9
4.7	Funcion printEndOfDay 10	
4.7.1	Input values.....	10
4.7.2	Return values.....	10
4.8	Funcion createAndPrintCifShipment 11	
4.8.1	Input values.....	11
4.8.2	Return values.....	11
4.9	Funcion createAndPrintCifShipmentWithSettings 12	
4.9.1	Input values.....	12
4.9.2	Return values.....	12
4.10	Funcion createAndPrintCifShipmentWithSettings2 13	
4.10.1	Input values.....	13
4.10.2	Return values.....	14
4.11	Funcion createOrders 15	
4.11.1	Input values:.....	15
4.11.2	Return values:.....	15
4.12	Funcion finishAndPrintOrders 16	
4.12.1	Input values:.....	16
4.12.2	Return values:.....	16
4.13	Funcion getRealPickupAddress 17	
4.13.1	Input values:.....	17
4.13.2	Return values:.....	17
4.14	Parameters 18	

## 1 Introduction

WebShip web portal offers user interface for ordering transport, managing address book, shipment history and printing shipping documentation.

WebShip web service offers:

0. Printing shipping documentation(generated PDF documents), pickup order requested by phone call.
1. Automatic pickup order at specified date/time, shipping documentation and package labeling is done by courier.
2. Automatic pickup order at specified date/time, shipping documentation and package labeling is done by customer.

## 2 Params mapping for XML pick up points

Delivery to the Balíkovo has delivery type “2PS”, to Parcel Terminal “2PT”.

Data mapping for pick up points:

Company name: psLinkId (ID of the pick up point)

ZIP: ZIP of the pick up points

Address: Address of the pick up points

City: City of the pick up points

Mandatory fields: Contact person, mobile phone number

**Map of Pick Up Points:** <https://balikomat.sps-sro.sk/openstreetmap/>

**List of Pick Up Points in XML format:**

<https://balikomat.sps-sro.sk/alternativneMiesta.xml>

## 3 Printing format

Printing format is set via GUI – Settings – Formator as parameter of function. For printing PDF labels system offers A4, A6 or TERMO paper 58mm. For printing in ZPL format the option ZPL A6 needs to be selected.

## 4 Web service description

Web service offers automatic shipment processing for registered WebShip users. User authentication requires user name and password and is required for each webservice call.

Standard WebShip account does not support web service login. Please contact your local sales representative for access to web service WebShip account.

### 4.1 WSDL

WDSL file is available at:

<https://webship.sps-sro.sk/services/WebshipWebService?wsdl>

## 4.2 *Funcion createShipment*

Shipment data transfer and pickup order. Call this function to create new shipments and for automatic pickup order.

Print waybills = 0 (waybill printed, no pickup order)

Transport order = 1 (pickup order created, courier brings waybill)

Pickup order = 2 (pickup order created, waybill provided by customer)

### 4.2.1 Input values

Name	Type	Required	String Max Length	Description
name	String	Y	50	WebShip user name
password	String	Y	50	WebShip user password
webServiceShipment	WebServiceShipment	Y	-	class for Shipment data(description below)
webServiceShipmentType	Int32	Y	-	Print waybills = 0 Transport order = 1 Pickup order = 2

### 4.2.2 Return values

If the operation was successful, the error message is empty. If the response contains errors attribute, the operation failed.

#### Class CreateShipmentResponse:

Meno	Typ	Required	Popis
createShipmentReturn	WebServiceShipmentResult	N	Print result. (description below)

### 4.3 Funcion createCifShipment

Shipment data transfer and pickup order. Call this function to create new shipments and for automatic pickup order.

This method returns the created package numbers if the print waybills mode was selected, if transport order is selected shipping documentation and package labeling is done by courier and for pickup order shipping documentation and package labeling is done by customer.

#### 4.3.1 Input values

Name	Type	Required	String Max Length	Description
name	String	Y	50	WebShip user name
password	String	Y	50	WebShip user password
webServiceShipment	WebServiceShipment	Y	-	class for Shipment data(description below)
webServiceShipmentType	Int32	Y	-	Print waybills = 0 Transport order = 1 Pickup order = 2

#### 4.3.2 Return values

If the operation was successful, the error message is empty. If the response contains errors attribute, the operation failed.

#### Class CreateCifShipmentResponse:

Meno	Typ	Required	Popis
createCifShipmentReturn	CreateCifShipmentResult	N	Process result.

#### CreateCifShipmentResult:

Meno	Typ	Required	Popis
packageInfo	PackageInfo	N	Information about created packages of the shipment. (description below)
result	WebServiceShipmentResult	N	Errors and warnings. (description below)

## 4.4 Funcion createCifShipments

Shipment data transfer and pickup order. Call this function to create new shipments and for automatic pickup order.

This method returns the created package numbers if the print waybills mode was selected, if transport order is selected shipping documentation and package labeling is done by courier and for pickup order shipping documentation and package labeling is done by customer. Input values

Name	Type	Required	String Max Length	Description
name	String	Y	50	WebShip user name
password	String	Y	50	WebShip user password
webServiceShipments	WebServiceShipment []	Y	-	Array of shipment data (description above)
webServiceShipmentType	Int32	Y	-	Print waybills = 0 Pickup order = 1

### 4.4.1 Return values

Array of create cif shipment results that contains one response item per processed WebServiceShipment.

#### CreateCifShipmentsResponse:

Name	Type	Required	Description
createCifShipmentsReturn	CreateCifShipmentResult []	N	Create shipment result array with error/warnings and tracking numbers.

#### CreateCifShipmentResult:

Meno	Typ	Required	Popis
packageInfo	PackageInfo	N	Information about created packages of the shipment. (description below)
result	WebServiceShipmentResult	N	Errors and warnings. (description below)

## 4.5 Funcion *printShipmentLabels*

Print labels(way-bills) for all shipment packages created by the createShipment function after the last successful run of printShipmentLabels function. Labels are printed in PDF file format and stored on the WebShip server.

Document is accessible via HTTP protocol. The generated URL is without expiration time.

The system does not print labels for shipments created as "Pick-up order" type.

### 4.5.1 Input values

Name	Type	Required	String Max Length	Description
aUserName	String	Y	50	WebShip user name
aPassword	String	Y	50	WebShip user password

### 4.5.2 Return values

If the operation was successful, the error message is empty. If the response contains errors attribute, the operation failed.

#### PrintShipmentLabelsResponse:

Name	Type	Required	Description
printShipmentLabelsReturn	WebService PrintResult	Y	Result of the print process. (description below)



## 4.6 Funcion *printLabelsWithSettings*

Print labels(way-bills) for all shipment packages created by the createShipment function after the last successful run of printShipmentLabels function. Labels are printed according to PrintingSettings parameters defined below. Document is accessible via HTTP protocol. The generated URL is without expiration time.

The system does not print labels for shipments created as "Pick-up order" type.

### 4.6.1 Input values

Name	Type	Required	String Max Length	Description
aUserName	String	Y	50	WebShip user name
aPassword	String	Y	50	WebShip user password
aPrintingSettings	PrintingSettings	N	-	Printing configuration (description below) for this call. User settings will be applied, if no printing settings are defined.

### 4.6.2 Return values

If the operation was successful, the error message is empty. If the response contains errors attribute, the operation failed.

#### PrintLabelsWithSettingsResponse:

Name	Type	Required	Description
printShipmentLabelsReturn	WebService PrintResult	Y	Result of the print process. (description below)

## 4.7 Funcion printEndOfDay

Print end of day report and transfer shipment data to SPS/In Time for shipment packages created by the createShipment function. The report is printed in PDF file format and stored on the WebShip server. Document is accessible via HTTP protocol. The generated URL is without expiration time. The system will include all shipments with printed labels, generated after the last successful run of printEndOfDay function.

The system does not include shipments created as "Pickup order" type.

**This function is not required** for shipments in pickup order mode. Pickup order data are automatically transferred by the createShipment and createCifShipment method.

### 4.7.1 Input values

Name	Type	Required	String Max Length	Description
aUserName	String	Y	50	WebShip user name.
aPassword	String	Y	50	WebShip user password.

### 4.7.2 Return values

If the operation was successful, the error message is empty. If the response contains errors attribute, the operation failed.

#### PrintEndOfDayResponse:

Name	Type	Required	Description
printEndOfDayReturn	WebService PrintResult	Y	Result of the print process. (description below)

If the operation was successful, the error message is empty. If the response contains errors attribute, the operation failed. Successful operation may contain warnings. Count of packages and shipments will be returned if the operation was successful.

## 4.8 Funcion createAndPrintCifShipment

Function combines createCifShipment and printShipmentLabels methods. The print method generates waybills for the newly created shipment only. This method can only be used for „Print waybills“ webServiceShipmentType.

### 4.8.1 Input values

Name	Type	Required	String Max Length	Description
name	String	Y	50	Name
password	String	Y	50	Password

### 4.8.2 Return values

Response contains waybills document URL with possible import warnings or error message.

#### CreateAndPrintCifShipmentResponse:

Meno	Typ	Required	Popis
createAndPrintCifShipmentReturn	CreateAndPrintCifShipmentResult	N	Process result.

#### CreateAndPrintCifShipmentResult:

Name	Type	Required	Description
result	WebServiceShipmentResult	N	Error and warning messages. In case of import or printing failure the “errors” field is filled.
packageInfo	PackageInfo	N	Information about created packages of the shipment
documentUrl	String	N	Document URL with printed labels

## 4.9 Funcion createAndPrintCifShipmentWithSettings

Deprecated please use method createAndPrintCifShipmentWithSettings2

### 4.9.1 Input values

Name	Type	Required	String Max Length	Description
name	String	Y	50	Name
password	String	Y	50	Password
webServiceShipment	WebServiceShipment	Y	-	Shipment parameters (details below)
printingSettings	PrintingSettings	N	-	Printing configuration (description below) for this call. User settings will be applied, if no printing settings are defined.

### 4.9.2 Return values

Response contains waybills document URL with possible import warnings or error message.

#### CreateAndPrintCifShipmentWithSettingsResponse:

Meno	Type	Required	Popis
createAndPrintCifShipmentReturn	CreateAndPrintCifShipmentResult	Y	Process result.

#### CreateAndPrintCifShipmentResult:

Name	Type	Required	Description
result	WebServiceShipmentResult	N	Error and warning messages. In case of import or printing failure the "errors" field is filled.
packageInfo	PackageInfo	N	Information about created packages of the shipment
documentUrl	String	N	Document URL with printed labels

## 4.10 Funcion createAndPrintCifShipmentWithSettings2

Function createAndPrintCifShipmentWithSettings was updated to function createAndPrintCifShipmentWithSettings2. Original function return type was incorrect. (CreateAndPrintCifShipmentResult) The original functionality remains available.

Function combines createCifShipment and printLabelsWithSettings methods. The print method generates waybills for the newly created shipment only. This method can be used for „Print waybills“ webServiceShipmentType only.

### 4.10.1 Input values

Name	Type	Required	String Max Length	Description
name	String	Y	50	Name
password	String	Y	50	Password
webServiceShipment	WebServiceShipment	Y	-	Shipment parameters (details below)
printingSettings	PrintingSettings	N	-	Printing configuration (description below) for this call. User settings will be applied, if no printing settings are defined.

## 4.10.2 Return values

Response contains waybills document URL with possible import warnings or error message.

### CreateAndPrintCifShipmentWithSettings2Response:

Meno	Type	Required	Popis
createAndPrintCifShipmentReturn	CreateAndPrintCifShipmentResult	Y	Process result.

### CreateAndPrintCifShipmentResult:

Name	Type	Required	Description
result	WebServiceShipmentResult	N	Error and warning messages. In case of import or printing failure the "errors" field is filled.
packageInfo	PackageInfo	N	Information about created packages of the shipment
documentUrl	String	N	Document URL with printed labels

## 4.11 Funcion createOrders

This is the functionality of deferred shipment creation. Instead of creating a shipment, the shipment data is stored in the database. Later, the order is converted to a shipment using the finishAndPrintOrders function.

### 4.11.1 Input values:

Name	Type	Required	String Max Length	Description
name	String	Y	50	WebShip user name
password	String	Y	50	WebShip user password
webServiceShipments	WebService Shipment[]	Y	-	Parameters of web service shipment / shipments (described above)

### 4.11.2 Return values:

If the operation was successful, the error message is empty. If the response contains errors attribute, the operation failed.

#### CreateOrdersResponse:

Meno	Typ	Required	Popis
createOrdersReturn	CreateOrder Result	Y	Process result.

#### CreateOrderResult:

Meno	Typ	Required	Popis
error	String	N	Error message. Data transfer failed if this message is not empty.
reffNrs	String	N	Reference numbers for parcels.

## 4.12 Funcion finishAndPrintOrders

The function is used to transform stored orders in the database with the createOrders function into shipments.

### 4.12.1 Input values:

Name	Type	Required	String Max Length	Description
name	String	Y	50	WebShip user name
password	String	Y	50	WebShip user password
refNumbers	String[]	Y	-	List of order reference numbers

### 4.12.2 Return values:

If the operation was successful, the error message is empty. If the response contains errors attribute, the operation failed.

FinishAndPrintOrdersResponse:

Name	Type	Required	Description
finishAndPrintOrdersReturn	CreateCifShipmentResult	N	Process result.

### CreateCifShipmentResult:

Name	Type	Required	Description
packageInfo	PackageInfo	N	Information about created packages of the shipment
result	WebServiceShipmentnetResult	N	Error and warning messages. In case of import or printing failure the "errors" field is filled.



### 4.13 Funcion *getRealPickupAddress*

The function is used to get sender address, for orders with 2PS/2PT service return is balíkovo address (user from PICK scan).

#### 4.13.1 Input values:

Name	Type	Required	String Max Length	Description
name	String	Y	50	Username
password	String	Y	50	Password
trackNumber	String	Y	-	Order number

#### 4.13.2 Return values:

If the operation was successful, the error message is empty. If the response contains errors attribute, the operation failed.

#### *getRealPickupAddressResponse*:

Name	Type	Required	Description
<i>getRealPickupAddressReturn</i>	<i>getRealPickupAddressResult</i>	N	Process result.

## 4.14 Parameters

### Class WebServiceShipment:

Name	Type	Required	String Max Length	Description
cod	Cod	N	-	Cash on delivery - COD class
insurvalue	String	Y		Shipment insurance value
notifytype	String	N	1	Receiver notification 0 = disabled 1 = email 2 = sms 3 = both email and sms
productdesc	String	N	150	Product description
recipientpay	Boolean	N	-	Freight paid by recipient
returnshipment	Boolean	N	-	Document collect, DOCO
saturdayshipment	Boolean	N	-	Saturday delivery
servicename	String	N	50	Delivery service (expres, 0900, 1200, export)
tel	Boolean	N	-	Tel before delivery(TEL)
units	String	Y	50	Invoicing unit: "kg", "boxa","boxb", "boxc","winebox3", "winebox6", "winebox12"
packages	Array of WebServicePackage	Y (1 to n)	-	Packages of the shipment
pickupaddress	ShipmentAddress	N	-	Pickup address. Undefined means pickup at senders address
deliveryaddress	ShipmentAddress	Y	-	Delivery address
shipmentpickup	ShipmentPickup	N ( Y if webServiceShipment Type is 1 )	-	Date and time of shipment pickup
codattribute	Integer	Y	-	<b>(FIELD NOT USED)</b> Cash on delivery attribute 0 = payment (default), 3 = VIAMO, 4 = Card payment
deliverytype	String	N	5	"2PT" - Parcel terminal "2PS" – Balíkovo
Services	Array of ShipmentService	N	-	Array of ordered services
returnlabel	Boolean	N	-	The created shipment is return label for the customer

### Class ShipmentService:

Name	Type	Required	String Max Length	Description
name	String	Y	50	Name of the service
value	String	N	50	Optional service attribute.

### Description of shipment services and their attributes:

Name	Value	Description
"DOCO"	null	Document collect (Identical as WebServiceShipment.returnshipment )
"DOCO"	"EDOCO"	Electronic document collect.
"DOCO"	"VDOCO"	Shippment without physical content.

### Class WebServicePackage:

Name	Type	Required	String Max Length	Description
reffnr	String	Y	35	Package reference number
weight	String (double)	Y	10	Package weight

### Class ShipmentAddress:

Name	Type	Required	String Max Length	Description
city	String	Y	35	City name
zip	String	Y	10	City ZIP code
country	String	Y	3	Country ISO code. Example : SK = Slovakia
street	String	Y	70	Street and house number
name	String	Y	35	Company / person name
contactPerson	String	Y	35	Contact person name
mobile	String	Y	35	Cell phone number
email	String	Y	70	Email address
phone	String	N	30	Phone number

### Class ShipmentPickup:

Name	Type	Required	Description
pickupstartdatetime	dateTime	Y	Pickup start date and time (without timezone)
pickupenddatetime	dateTime	Y	Pickup end date and time (without time zone)

### Class Cod:

Name	Type	Required	String Max Length	Description
codvalue	String (double)	Y	10	COD Value
codretbankacc	String	N	35	IBAN (Bank account IBAN for COD)
codretbankcode	String	N	15	SWIFT/BIC
currency	String	N	3	Optional cash on delivery currency value

### Class PackageInfo:

Name	Type	Required	String Max Length	Description
refNr	String	N	35	Reference number
shipNr	String	N	100	Package tracking number in CargoNet system
packageNo	Int32	N	-	Package order number

### WebServicePrintResult parametre:

Meno	Typ	Required	Popis
errors	String	N	Error message. Data transfer failed if this message is not empty.
documentUrl	String	N	URL of document with labels.

### Class WebServiceShipmnetResult:

Name	Type	Required	Description
errors	String	N	Error message. Data transfer failed if this message is not empty.
warnings	String	N	Warning messages. The import was successful with some warnings.

### Class PrintingSettings:

These parameters define printing settings. If printing settings are not defined, then default user settings will be applied for printing.

Meno	Typ	Required	String Max Length	Popis
fileFormat	String	N	-	File format: "pdf", "zpl"
paperFormat	String	N	-	Paper format for pdf: "a4", "a6", "thermal_58"
zplResolution	String	N	-	Zpl resolution: "dpi_204", "dpi_300", "dpi_600"
pdfContentFormat	String	N	-	Content of pdf file: "pdf", "bitmap"
printFromPos	String	N	-	Paper format "a4" print from position on page: "1", "2", "3", "4"

### getRealPickupAddressResult parameters:

Name	Type	Required	Popis
errors	String	N	Error message. Data transfer failed if this message is not empty.
pickupAddress	String	N	Sender address, if order has 2PT/2PS service balíkové address from PICK scan.

### Address parameters:

Meno	Typ	Required	Popis
companyName	String	N	ID balíkové
address	String	N	Address
city	String	N	City
country	String	N	Country
zipCode	String	N	ZIP