

<https://postivo.pl>
e-mail: biuro@postivo.pl
tel. +48 17 717 37 60

API Interface specification

version 1.32 [1 August 2022]



Table of contents

1.	History of changes to the specification	4
2.	Introduction	5
2.1.	Step 1 - Registering your account in Postivo.pl	5
2.2.	Step 2 - Activating account access through the API	5
3.	Access to the API - URL Address to Web Services (SOAP/WSDL)	6
4.	Available methods.....	7
4.1.	Sending a new shipment	7
4.2.	Checking the status of the shipment.....	7
4.3.	Checking the User account balance	8
4.4.	Checking the cost of the shipment.....	8
4.5.	Obtaining a list of defined shipment profiles	9
4.6.	Obtaining a list of defined senders.....	9
4.7.	Generating shipment receipts	10
4.8.	Adding a new sender address	10
4.9.	Verifying (activating) the sender's address	11
4.10.	Deleting sender addresses	11
4.11.	Adding a new recipient (record) to contacts database	12
4.12.	Deleting recipient (record) from contacts database	12
5.	Description of the data structures used in the API	13
5.1.	Structure of tns:DispatchReturnObject	13
5.2.	Structure of tns:BalanceReturnObject	13
5.3.	Structure of tns:PriceReturnObject	13
5.4.	Structure of tns:ConfigProfileReturnObject	14
5.5.	Structure of tns:SendersReturnObject	14
5.6.	Structure of tns:CertificateReturnObject	15
5.7.	Structure of tns:AddSenderReturnObject	15
5.8.	Structure of tns:AddAddressBookRecordReturnObject	16
5.9.	Structure of tns:VerifySenderReturnObject	16
5.10.	Structure of tns:RemoveSenderReturnObject	17
5.11.	Structure of tns:RemoveAddressBookRecordReturnObject	17
5.12.	Structure of tns:ArrayOfDocumentFiles	17
5.13.	Structure of tns:ArrayOfRecipients	17
5.14.	Structure of tns:ArrayOfOptions	17
5.15.	Structure of tns:ArrayOfShipments	18
5.16.	Structure of tns:ArrayOfShipmentsPrice	18
5.17.	Structure of tns:ArrayOfSenders	18
5.18.	Structure of tns:ArrayOfConfigProfiles.....	18
5.19.	Structure of tns:DocumentFile	18
5.20.	Structure of tns:Recipient	19
5.21.	Structure of tns:Option	20
5.22.	Structure of tns:ConfigProfile.....	20
5.23.	Structure of tns:Sender	21
5.24.	Structure of tns:Shipment	21
5.25.	Structure of tns:ShipmentPrice	22
5.26.	Structure of tns:SenderData.....	23
5.27.	Structure of tns:AddressBookRecord	23
6.	Defining parameters	24
6.1.	Defining new shipment profiles	24
6.2.	Defining the shipment senders	24

7. Request error codes (result)	25
8. Shipment status codes	27
8.1. Status codes for not accepted shipments	27
8.2. Status codes for correctly shipped shipments	27
9. Callback mechanism – asynchronous update of shipment statuses	27
10. Examples of implementations in different programming environments	28
11. API Test System (sandbox)	28
12. Additional and contact information	28

1. History of changes to the specification

Version	Date	Description of the change
1.1	18 December 2011	Due to the extension of the scope of the service to include foreign shipments, the optional sender_country parameter was added to the tns:Sender, tns:SenderData, tns:AddSenderReturnObject structures, while the optional recipient_country parameter was added to the tns:Shipment, tns:ShipmentPrice, tns:Recipient structure. Additional Request Status Codes (041 and 090). New shipment status code – 5.
1.11	20 January 2012	Additional shipment status codes — 200 (External status)
1.12	27 April 2012	removeSender method, additional error codes: 091, 092
1.13	20 May 2012	An optional custom_id parameter has been added to the tns:Option structure
1.20	04 September 2020	New parameters for mpk (cost centre), order_name, withdrawal of faxes from the offer
1.30	24 January 2021	Integration with document library added, new file_library_id parameter
1.31	24 August 2021	custom_id and tracking_number properties added to the tns:Shipment structure
1.32	1 August 2022	New parameter postscript (a short note printed on envelope above recipient details) has been added to tns:Recipient, tns:Shipment oraz tns:ShipmentPrice structures, new parameter source=custom_book has been added to tns:Recipient structure. New tns:AddressBookRecord, tns:AddAddressBookRecordReturnObject, tns:RemoveAddressBookRecordReturnObject structures. New addAddressBookRecord, removeAddressBookRecord methods has been added.

2. Introduction

This document was created to describe the method of integrating the Postivo.pl platform with any application or system, using the API, built on the basis of Web Services technology. There are currently three ways to use Postivo.pl:

- Directly from User Interface <https://panel.postivo.pl>
- Through the API interface
- Through the Virtual Post Postivo.pl app.

This document presents the possibilities of using the API (SOAP/WSDL). At present, letter shipments can be sent and managed through the API.

Sending a shipment, checking its status or the User's account status via the API consists in calling up the remote Web Services function with the simultaneous transfer of certain parameters to it.

Communication with the API can take place on both port 443 (SSL encryption) and port 80 (for unencrypted connections). However, we recommend using only an encrypted connection wherever possible. Unencrypted connections are left for some time only for compatibility with older integrations. All method parameter values transferred should be encoded according to UTF-8.

Please read this specification carefully before proceeding with integration. This will facilitate the entire process and avoid many problems. To start integrating any application with the Postivo.pl platform, you must set up an account on the Postivo.pl website and activate your account access through the API.

2.1. Step 1 - Registering your account in Postivo.pl

If you do not already have an account on Postivo.pl, you must register one. Otherwise, go to Step two (Section 2.2). To register a new account in POSTIVO.PL:

- Open <https://panel.postivo.pl/rejestracja>,
- Complete the registration form with the required information and follow the instructions on the screen.

When the registration form is completed correctly, an e-mail will be sent to the e-mail address you provided with an activation link which you need to open to activate your account. Your account will now be active.

2.2. Step 2 - Activating account access through the API

To activate account access through the API:

- Log in to your account at <https://panel.postivo.pl> using your login name and password,
- Select "API" from the left-hand menu under "INTEGRATION" and then "API Settings"

On this page, you can enable or disable access to an User account through the API. To activate access via the API, click on the edit button with the User account selected. Then enter twice the password that will be used for identity verification when calling up remote methods. We recommend that the API password be different from the password used to log in to the User's account. In the "Allowed IP addresses" field, you can optionally enter the IP addresses from which the methods will be called up. Separate each IP address with a comma (,). Leaving

this field empty means that connections from all IP addresses will be accepted. Optionally, in the "Callback address" field, you can specify a URL script to which shipment status updates are to be forwarded (for details, see Section 9). Once you have entered all parameters and saved your settings, you can access your account through the API.

3. Access to the API - URL Address to Web Services (SOAP/WSDL)

The Web Service SOAP is available at:

- <https://api.postivo.pl/webservices.php> (encrypted - SSL connection)

WSDL is available at the address:

- <https://api.postivo.pl/webservices.php?wsdl> (encrypted - SSL connection)

4. Available methods

4.1. Sending a new shipment

The **dispatch** method allows you to define and send a new shipment with documents contained in the shipment.

Method	Parameter	Type of parameter	Description
dispatch	login	xsd:string	Postivo.pl account login [defined during account registration]
	api_pass	xsd:string	API access password [defined during account activation via the API]
	msg_type	xsd:string	Shipment type [1 - letter shipment]
	document_files	tns:ArrayOfDocumentFiles	An Array that consists of DocumentFile structures (containing the contents of the document files to be sent). For more information, see Section 5.12.
	recipients	tns:ArrayOfRecipients	An Array consisting of Recipient structures (containing the data of recipients to whom the shipment is to be sent). For more information, see Section 5.13.
	options	tns:ArrayOfOptions	An Array consisting of Option structures (containing additional shipment options). For more information, see Section 5.14.

Result

Structure	Description
tns:DispatchReturnObject	A description of the structure can be found in Section 5.1

4.2. Checking the status of the shipment

The **getDispatchStatus** method allows you to check the current status of previously sent shipments.

Method	Parameter	Type of parameter	Description
getDispatchStatus	login	xsd:string	Postivo.pl account login [defined during account registration]
	api_pass	xsd:string	API access password [defined during account activation via the API]
	dispatch_ids	tns:ArrayOfDispatchIds	An Array whose individual items contain the shipment identifiers (string type), the status of which are to be checked.

Result

Structure	Description
tns:DispatchReturnObject	A description of the structure can be found in Section 5.1

4.3. Checking the User account balance

The method **getBalance** allows you to check the current account balance, account type, and User account limit.

Method	Parameter	Type of parameter	Description
getBalance	login	xsd:string	Postivo.pl account login [defined during account registration]
	api_pass	xsd:string	API access password [defined during account activation via the API]

Result

Structure	Description
tns:BalanceReturnObject	For a description of the structure, see Section 5.2.

4.4. Checking the cost of the shipment

The **getPrice** method allows you to check the cost of a shipment with the selected parameters without sending it.

Method	Parameter	Type of parameter	Description
getPrice	login	xsd:string	Postivo.pl account login [defined during account registration]
	api_pass	xsd:string	API access password [defined during account activation via the API]
	msg_type	xsd:string	Shipment type [1 - letter shipment]
	document_files	tns:ArrayOfDocumentFiles	An Array that consists of DocumentFile structures (containing the contents of the document files to be sent). For more information, see Section 5.12.
	recipients	tns:ArrayOfRecipients	An Array consisting of Recipient structures (containing the data of recipients to whom the shipment is to be sent). For more information, see Section 5.13.
	config_id	xsd:int	The ID of the shipment profile defined on platform Postivo.pl (if the parameter is 0, the default configuration is to allow the cheapest shipment). For details, see Section 6.1.

Result

Structure	Description
tns:PriceReturnObject	For a description of the structure, see Section 5.3.

4.5. Obtaining a list of defined shipment profiles

The **getConfigProfiles** method allows you to obtain an up-to-date list of all defined shipment profiles.

Method	Parameter	Type of parameter	Description
getConfigProfiles	login	xsd:string	Postivo.pl account login [defined during account registration]
	api_pass	xsd:string	API access password [defined during account activation via the API]
	msg_type	xsd:string	Shipment Type for which the Shipment Profile List is to be obtained [1 - letter shipment]

Result

Structure	Description
tns:ConfigProfilesReturnObject	For a description of the structure, see Section 5.4.

4.6. Obtaining a list of defined senders

The **getSenders** method allows you to obtain a list of all senders defined in your User account.

Method	Parameter	Type of parameter	Description
getSenders	login	xsd:string	Postivo.pl account login [defined during account registration]
	api_pass	xsd:string	API access password [defined during account activation via the API]

Result

Structure	Description
tns:SendersReturnObject	For a description of the structure, see Section 5.5.

4.7. Generating shipment receipts

The **getCertificate** method allows you to generate a receipt for your shipments. Shipment receipts are available after the shipment has been delivered to the postal operator.

Method	Parameter	Type of parameter	Description
getCertificate	login	xsd:string	Postivo.pl account login [defined during account registration]
	api_pass	xsd:string	API access password [defined during account activation via the API]
	dispatch_id	xsd:string	The ID of the shipment for which the confirmation is to be generated.
	certificate_type	xsd:int	1 – if a shipment confirmation is to be generated

Result

Structure	Description
tns:CertificateReturnObject	For a description of the structure, see Section 5.6.

4.8. Adding a new sender address

The **addSender** method allows you to define new sender addresses. The sender's address is not placed on the package envelope. After defining the sender's address, we send a letter with a verification code to the given address (in the Sandbox test system, the letter is sent to the e-mail address). Upon receipt of the letter, the recipient must verify the address by providing us with the code received. In practice, the **verifySender** method described in Section 4.9 should be called up.

Method	Parameter	Type of parameter	Description
addSender	login	xsd:string	Postivo.pl account login [defined during account registration]
	api_pass	xsd:string	API access password [defined during account activation via the API]
	sender_data	tns:SenderData	tns:SenderData structure object: (containing the sender's data). For details, see Section 5.26
	accept_terms	xsd:boolean	The value true means that you accept the following statement: "I agree to a verification code being sent to the above address (cost according to the price list - taken from my Postivo.pl account)".

Result

Structure	Description
tns:AddSenderReturnObject	For a description of the structure, see Section 5.7.

4.9. Verifying (activating) the sender's address

The **verifySender** method is used to transfer the verification code received by letter to Postivo.pl. If the code provided matches the verification code on the letter, the sender's details will be verified and can be used to order shipments.

Method	Parameter	Type of parameter	Description
verifySender	login	xsd:string	Postivo.pl account login [defined during account registration]
	api_pass	xsd:string	API access password [defined during account activation via the API]
	sender_id	xsd:int	ID of the sender to be verified (generated when the addSender method is called up)
	verification_code	xsd:string	Verification code received by letter

Result

Structure	Description
tns:VerifySenderReturnObject	For a description of the structure, see Section 5.9.

4.10. Deleting sender addresses

The **removeSender** method is used to remove a sender from the sender list. Any sender other than the primary (default) sender can be deleted

Method	Parameter	Type of parameter	Description
removeSender	login	xsd:string	Postivo.pl account login [defined during account registration]
	api_pass	xsd:string	API access password [defined during account activation via the API]
	sender_id	xsd:int	The ID of the sender to be deleted

Result

Structure	Description
tns:RemoveSenderReturnObject	For a description of the structure, see Section 5.10.

4.11. Adding a new recipient (record) to contacts database

The **addAddressBookRecord** method allows you to define new recipients (records) to contacts database (address book) on user account.

Metoda	Parametr	Typ parametru	Opis
addAddressBookRecord	login	xsd:string	Postivo.pl account login [defined during account registration]
	api_pass	xsd:string	API access password [defined during account activation via the API]
	recipient	tns:AddressBookRecord	tns:AddressBookRecord structure object: (containing the recipient's data). For details, see Section 5.27
	groups	tns:ArrayOfGroupIds	An Array that consists of IDs of contact groups, to which new recipient data should be optionally added.

Result:

Struktura	Opis
tns:AddAddressBookRecordReturnObject	For a description of the structure, see Section 5.8.

4.12. Deleting recipient (record) from contacts database

The **removeAddressBookRecord** method is used to remove a recipient (record) from the contacts database (address book). Any recipient defined on user account can be deleted.

Metoda	Parametr	Typ parametru	Opis
removeAddressBookRecord	login	xsd:string	Postivo.pl account login [defined during account registration]
	api_pass	xsd:string	API access password [defined during account activation via the API]
	id_type	xsd:string	global – when the specified recipient's ID to delete is global identifier custom - when the specified recipient's ID to delete is user-defined
	id	xsd:string	When id_type= global – a global recipient's ID to delete When id_type= custom – an user-defined recipient's ID to delete

Result:

Struktura	Opis
tns:RemoveAddressBookRecordReturnObject	Opis struktury znajduje się w Rozdziale 5.11.

5. Description of the data structures used in the API

5.1. Structure of tns:DispatchReturnObject

Field	Type	Description
result	xsd:string	Request status: OK – the request is correct ERR – the request is incorrect
result_code	xsd:string	In the event of an incorrect request, it contains a three-digit error code according to the Table in Section 7. If the request is correct, it contains the code 000 .
result_description	xsd:string	A text description of the result of the request
shipments	tns:ArrayOfShipments	An Array containing the Shipment object structures. Each Shipment object contains a single shipment status (sent to a single recipient). In the event of an incorrect request (result: ERR) the Array is empty. For details, see Section 5.15.

5.2. Structure of tns:BalanceReturnObject

Field	Type	Description
result	xsd:string	Request status: OK – the request is correct ERR – the request is incorrect
result_code	xsd:string	In the event of an incorrect request, it contains a three-digit error code according to the Table in Section 7. If the request is correct, it contains the code 000.
result_description	xsd:string	A text description of the result of the request
balance	xsd:float	Current account balance (in PLN)
limit	xsd:float	For POST-PAID accounts, the contractual maximum usage limit for the account is specified. POST-PAID accounts have a value of 0
postpaid	xsd:int	0 – PRE-PAID account 1 – POST-PAID account

5.3. Structure of tns:PriceReturnObject

Field	Type	Description
result	xsd:string	Request status: OK – the request is correct

		ERR – the request is incorrect
result_code	xsd:string	In the event of an incorrect request, it contains a three-digit error code according to the Table in Section 7. If the request is correct, it contains the code 000 .
result_description	xsd:string	A text description of the result of the request
shipments_price	tns:ArrayOfShipmentsPrice	An Array containing ShipmentPrice object structures. Each ShipmentPrice object contains details and price for a single shipment. In the event of an incorrect request (result: ERR) the Array is empty. For details, see Section 5.16.

5.4. Structure of tns:ConfigProfileReturnObject

Field	Type	Description
result	xsd:string	Request status: OK – the request is correct ERR – the request is incorrect
result_code	xsd:string	In the event of an incorrect request, it contains a three-digit error code according to the Table in Section 7. If the request is correct, it contains the code 000.
result_description	xsd:string	A text description of the result of the request
config_profiles	tns:ArrayOfConfigProfiles	An Array containing the ConfigProfile object structures. Each ConfigProfile object contains data about a single shipment profile. In the event of an incorrect request (result: ERR) or a lack of defined shipment profiles, the Array is empty. For details, see Section 5.18.

5.5. Structure of tns:SendersReturnObject

Field	Type	Description
result	xsd:string	Request status: OK – the request is correct ERR – the request is incorrect
result_code	xsd:string	In the event of an incorrect request, it contains a three-digit error code according to the Table in Section 7. If the request is correct, it contains the code 000.
result_description	xsd:string	A text description of the result of the request
senders	tns:ArrayOfSenders	An Array containing the Sender object structures. Each Sender object contains information about a single sender of a shipment. In the event of an incorrect request (result: ERR) the Array is empty. For details, see Section 5.17.

5.6. Structure of tns:CertificateReturnObject

Field	Type	Description
result	xsd:string	Request status: OK – the request is correct ERR – the request is incorrect
result_code	xsd:string	In the event of an incorrect request, it contains a three-digit error code according to the Table in Section 7. If the request is correct, it contains the code 000.
result_description	xsd:string	A text description of the result of the request
cert_available	xsd:boolean	Value true – when the confirmation has been generated, false – when the selected confirmation cannot be generated for the given shipment.
cert_content	xsd:string	If the confirmation has been generated, this field contains it in the form of a PDF encoded in base 64. If the confirmation is not generated, the field is empty.

5.7. Structure of tns:AddSenderReturnObject

Field	Type	Description
result	xsd:string	Request status: OK – the request is correct ERR – the request is incorrect
result_code	xsd:string	In the event of an incorrect request, it contains a three-digit error code according to the Table in Section 7. If the request is correct, it contains the code 000.
result_description	xsd:string	A text description of the result of the request
sender_id	xsd:int	ID of added sender (when result=ERR it is 0 returned)
shipment_id	xsd:string	Letter ID with activation code (when result=ERR it is returned empty)
sender_name	xsd:string	First line of name of added sender (when result=ERR it is returned empty)
sender_name2	xsd:string	Second line of name of added sender (when result=ERR it is returned empty)
sender_address	xsd:string	Address of added sender (when result=ERR it is returned empty)
sender_home_number	xsd:string	House number of the added sender (when result=ERR it is returned empty)
sender_flat_number	xsd:string	Apartment (flat) number of the added sender (when result=ERR is returned empty)
sender_post_code	xsd:string	Post code of added sender (when result=ERR it is returned empty)
sender_city	xsd:string	City of added sender (when result=ERR it is returned empty)
sender_country	xsd:string	The country code of the sender in accordance with ISO 3166-1 alpha-2.
sender_fax_number	xsd:string	DEPRECATED A parameter left for compatibility purposes is always returned empty.

5.8. Structure of tns:AddAddressBookRecordReturnObject

Pole	Typ	Opis
result	xsd:string	Request status: OK – the request is correct ERR – the request is incorrect
result_code	xsd:string	In the event of an incorrect request, it contains a three-digit error code according to the Table in Section 7. If the request is correct, it contains the code 000.
result_description	xsd:string	A text description of the result of the request
contact_id	xsd:int	A global ID of added recipient (when result=ERR it is 0 returned)
custom_id	xsd:string	An user-defined ID of added recipient (when result=ERR is returned empty)
recipient_name	xsd:string	First line of name of added recipient (when result=ERR is returned empty)
recipient_name2	xsd:string	Second line of name of added recipient (when result=ERR is returned empty)
recipient_address	xsd:string	Address of added recipient (when result=ERR it is returned empty)
recipient_home_number	xsd:string	House number of the added recipient (when result=ERR it is returned empty)
recipient_flat_number	xsd:string	Apartment (flat) number of the added recipient (when result=ERR is returned empty)
recipient_post_code	xsd:string	Post code of added recipient (when result=ERR it is returned empty)
recipient_city	xsd:string	City of added recipient (when result=ERR it is returned empty)
recipient_country	xsd:string	Recipient country code according to ISO 3166-1 alpha-2. See https://www.iso.org/iso-3166-country-codes.html for a list of ISO 3166-1 alpha-2 country codes
recipient_phone_number	xsd:string	Telephone number of the added recipient
groups	xsd:int[]	An Array that consists of IDs of contact groups, to which new recipient data has been added

5.9. Structure of tns:VerifySenderReturnObject

Field	Type	Description
result	xsd:string	Request status: OK – the request is correct ERR – the request is incorrect
result_code	xsd:string	In the event of an incorrect request, it contains a three-digit error code according to the Table in Section 7. If the request is correct, it contains the code 000.
result_description	xsd:string	A text description of the result of the request

5.10. Structure of tns:RemoveSenderReturnObject

Field	Type	Description
result	xsd:string	Request status: OK – the request is correct ERR – the request is incorrect
result_code	xsd:string	In the event of an incorrect request, it contains a three-digit error code according to the Table in Section 7. If the request is correct, it contains the code 000.
result_description	xsd:string	A text description of the result of the request

5.11. Structure of tns:RemoveAddressBookRecordReturnObject

Pole	Typ	Opis
result	xsd:string	Request status: OK – the request is correct ERR – the request is incorrect
result_code	xsd:string	In the event of an incorrect request, it contains a three-digit error code according to the Table in Section 7. If the request is correct, it contains the code 000.
result_description	xsd:string	A text description of the result of the request

5.12. Structure of tns:ArrayOfDocumentFiles

Field	Type	Description
Array	tns:DocumentFile[]	An Array that contains DocumentFile object structures. Each DocumentFile object contains the contents of the document file that to be sent. You can add as many DocumentFile object structures as you wish. For details, see Section 5.19.

5.13. Structure of tns:ArrayOfRecipients

Field	Type	Description
Array	tns:Recipient []	An Array containing the objects of the Recipient structure. Each Recipient object contains a single recipient of a shipment, a recipient group ID, or a single recipient ID from the address book. You can add as many objects as you wish to the Recipient structure. For details, see Section 5.20.

5.14. Structure of tns:ArrayOfOptions

Field	Type	Description
Array	tns:Option []	An Array containing the Option object structures. Each Option object contains the name and value of the shipment configuration parameter. For details, see Section 5.21.

5.15. Structure of tns:ArrayOfShipments

Field	Type	Description
Array	tns:ArrayOfShipments[]	An Array containing the Shipment object structures. Each Shipment object contains a single shipment status (sent to a single recipient). In the event of an incorrect request (result: ERR) the Array is empty. For details, see Section 5.24.

5.16. Structure of tns:ArrayOfShipmentsPrice

Field	Type	Description
Array	tns:ArrayOfShipmentsPrice []	An Array containing ShipmentPrice object structures. Each ShipmentPrice object contains details and price for a single shipment. In the event of an incorrect request (result: ERR) the Array is empty. For details, see Section 5.25.

5.17. Structure of tns:ArrayOfSenders

Field	Type	Description
Array	tns:ArrayOfSenders[]	An Array containing the Sender object structures. Each Sender object contains data about a single shipment sender. In the event of an incorrect request (result: ERR) the Array is empty. For details, see Section 5.23.

5.18. Structure of tns:ArrayOfConfigProfiles

Field	Type	Description
Array	tns:ArrayOfConfigProfiles[]	An Array containing the ConfigProfile object structures. Each ConfigProfile object contains information about a single shipment profile. In the event of an incorrect request (result: ERR) or a lack of defined shipment profiles, the Array is empty. For details, see Section 5.22.

5.19. Structure of tns:DocumentFile

Field	Type	Description
file_stream	xsd:string	Content of a single file (stream) in PDF format encoded in base 64. If the file_library_id parameter is also specified, the value will be ignored.
file_name	xsd:string	File name (for identification purposes, it can be any name). If the file_library_id parameter is also specified, the value will be ignored.
file_library_id	xsd:int	ID of the file with the document located in the file library on the User's account, which is to be added to the shipment. This parameter has an overriding property - if it is set, the file_stream and file_name parameters are ignored.

5.20. Structure of tns:Recipient

Field	Type	Description
source	xsd:string	Source of recipient's data. Available values: - inline – the recipient's data is entered in the fields of this structure (default value) - group – recipient's data is obtained from the recipient group (id parameter required) - book – the recipient's data is obtained from the address book by global ID (id parameter required) - custom_book – the recipient's data is obtained from the address book by user-defined ID (id parameter required)
id	xsd:string	When the parameter source= group , the id parameter contains the recipient's group id When the parameter source= book , the id parameter contains the global contact id in the address book When the parameter source= custom_book , the id parameter contains the user-defined contact id in the address book (<i>warning – when a subaccount is used and a contact id shared from main account is being specified, the id should be followed by _ sign</i>) When the parameter source= inline , the id parameter is ignored
recipient_name	xsd:string	Contains the recipient's name (parameter ignored when source=group or source=book)
recipient_address_prefix	xsd:string	Optional parameter. Contains the prefix of the recipient's address, e.g. "ul.", "al.", "pl." (Parameter ignored when source=group or source=book or source=custom_book)
recipient_address	xsd:string	Contains the address (street) of the recipient (parameter ignored when source=group or source=book or source=custom_book)
recipient_home_number	xsd:string	Contains the recipient's house (building) number (parameter ignored when source=group or source=book or source=custom_book)
recipient_flat_number	xsd:string	Contains the recipient's flat number (parameter ignored when source=group or source=book or source=custom_book)
recipient_post_code	xsd:string	Contains the recipient's post code (parameter ignored when source=group or source=book or source=custom_book)
recipient_city	xsd:string	Contains the recipient's city (parameter ignored when source=group or source=book or source=custom_book)
recipient_country	xsd:string	Optional parameter – recipient country code according to ISO 3166-1 alpha-2. If the parameter value is not specified, PL (Poland) is used. See https://www.iso.org/iso-3166-country-codes.html for a list of ISO 3166-1 alpha-2 country codes (parameter ignored when source=group or source=book or source=custom_book)
postscript	xsd:string	Parametr opcjonalny – it contains a short note that should be printed on envelope above the recipient details (parameter ignored when source=group or source=book or source=custom_book)
recipient_phone_number	xsd:string	Contains the recipient's telephone number in international format (with the prefix 48 for Poland) - optional parameter, (parameter ignored when source=group or source=book or source=custom_book)

5.21. Structure of tns:Option

Field	Type	Description
name	xsd:string	Name of the parameter. Allowed parameters (optional): <ul style="list-style-type: none"> - config_id – Defined shipment profile ID (see Section 6.1) - sender_id – Defined shipment sender ID (see Section 6.2) - dispatch_date – Date the shipment was sent in the appropriate format - callback_url – URL of the script to which the updated shipment statuses will be passed – for details, see Section 9. - custom_id – Optional shipping ID provided by the User - mpk – Cost centre - order_name – Optional name of the order in which the shipment is sent
value	xsd:string	For parameter: <ul style="list-style-type: none"> - name=config_id parameter value should contain the ID of the shipment profile defined on the Postivo.pl platform (if it is not provided, the configuration that allows the cheapest shipment is assumed by default). For details, see Section 6.1. - name=sender_id parameter value should contain the ID of the shipment sender defined in the system (the default sender defined in the account is selected by default). For details, see Section 6.2. - name=dispatch_date parameter value should contain the date when the shipment is to be sent. Letter sending format: YYYY-MM-DD, where YYYY-year, MM-month, DD-day, HH-hour, MM-minute. If dispatch_date is not specified, the dispatch will occur as soon as possible. - Name=callback_url parameter value should contain a URL script in the format e.g. http://strona.pl/skrypt.php, to which updated shipment statuses will be passed (see Section 9). This is an optional parameter. - Name=custom_id parameter value should contain any User-defined shipment ID (maximum 50 characters). This is an optional parameter - name=mpk – parameter value should contain the name of the cost centre (optional). If you specify a parameter, the POST-PAID invoice will list the cost per cost centre - name=order_name – parameter value should contain the name of the order in which the shipment is sent (optional)

5.22. Structure of tns:ConfigProfile

Field	Type	Description
config_id	xsd:int	ID of the shipment profile
config_name	xsd:string	Name of the shipment profile
paper_type	xsd:string	The type of paper on which the documents will be printed
paper_print_type	xsd:string	Document print type (colour or grayscale)
envelope_type	xsd:string	The type of envelope
envelope_template	xsd:string	The name of the envelope template
envelope_print_type	xsd:string	Envelope printing colour
carrier	xsd:string	The postal operator who will deliver the shipment to the recipient
dispatch_type	xsd:string	The letter type (if applicable) to which the shipment will be sent to the recipient

5.23. Structure of tns:Sender

Field	Type	Description
sender_id	xsd:string	Sender's ID
sender_name	xsd:string	Sender's Name (company or name and surname)
sender_address	xsd:string	The address of the sender of the shipment
sender_home_number	xsd:string	The number of the sender's house (building)
sender_flat_number	xsd:string	The flat number of the sender of the shipment
sender_post_code	xsd:string	The post code of the sender of the shipment
sender_city	xsd:string	The city of the sender of the shipment
sender_country	xsd:string	The country code of the sender in accordance with ISO 3166-1 alpha-2. See https://www.iso.org/iso-3166-country-codes.html for a list of ISO 3166-1 alpha-2 country codes
sender_fax_number	xsd:string	DEPRECATED Parameter left for compatibility purposes is always returned empty.
default	xsd:string	1 – if the sender is the default on the account, 0 – in other cases
active	xsd:string	1 – if the sender has been verified 0 – if the sender has not yet been verified

5.24. Structure of tns:Shipment

Field	Type	Description
id	xsd:string	ID number assigned to the shipment
custom_id	xsd:string	Shipment ID entered by the User
tracking_number	xsd:string	Postal service provider's tracking number (e.g. registered letter number, etc.)
recipient_name	xsd:string	Name of the recipient of the shipment
recipient_address	xsd:string	Address of the recipient of the shipment
recipient_home_number	xsd:string	Number of the recipient's house (building)
recipient_flat_number	xsd:string	The flat number of the recipient of the shipment
recipient_post_code	xsd:string	Post code of the recipient of the shipment
recipient_city	xsd:string	City of the recipient of the shipment

recipient_country	xsd:string	The recipient country code according to ISO 3166-1 alpha-2. See https://www.iso.org/iso-3166-country-codes.html for a list of ISO 3166-1 alpha-2 country codes
postscript	xsd:string	A short note that is being printed on envelope above the recipient details
recipient_phone_number	xsd:string	Telephone number of the shipment recipient
dispatch_carrier	xsd:string	The postal operator who will deliver the shipment to the recipient
dispatch_type	xsd:string	The letter type (if applicable) to which the shipment will be sent to the recipient
page_number	xsd:int	The number of pages of the documents contained in the shipment
price	xsd:float	Total net cost of the shipment (expressed in PLN)
status	xsd:string	Shipment Status: OK – if the shipment has been accepted for shipment ERR – if the shipment has not been accepted for shipment
status_code	xsd:string	The status code of the shipment as shown in the table in Section 8.2.
status_description	xsd:string	A text description of the shipment status

5.25. Structure of tns:ShipmentPrice

Field	Type	Description
recipient_name	xsd:string	Name of the recipient of the shipment
recipient_address	xsd:string	Address of the recipient of the shipment
recipient_home_number	xsd:string	Number of the recipient's house (building)
recipient_flat_number	xsd:string	The flat number of the recipient of the shipment
recipient_post_code	xsd:string	Post code of the recipient of the shipment
recipient_city	xsd:string	City of the recipient of the shipment
recipient_country	xsd:string	The recipient country code according to ISO 3166-1 alpha-2.
postscript	xsd:string	A short note that is being printed on envelope above the recipient details
recipient_phone_number	xsd:string	Telephone number of the shipment recipient
dispatch_carrier	xsd:string	The postal operator who will deliver the shipment to the recipient
dispatch_type	xsd:string	The letter type (if applicable) to which the shipment will be sent to the recipient
page_number	xsd:int	The number of pages of the documents contained in the shipment
price	xsd:float	Total net cost of the shipment (expressed in PLN)

5.26. Structure of tns:SenderData

Field	Type	Description
sender_name	xsd:string	First line of name of the sender is being added
sender_name2	xsd:string	Second line of name of the sender is being added
sender_address_prefix	xsd:string	Optional parameter. Contains the prefix of the sender's address, e.g. "ul.", "al.", "pl."
sender_address	xsd:string	Address of the sender is being added
sender_home_number	xsd:string	The number of the house (building) of the sender is being added
sender_flat_number	xsd:string	Optional parameter. The flat number of the sender is being added
sender_post_code	xsd:string	Post code of the sender is being added
sender_city	xsd:string	City of the sender is being added
sender_country	xsd:string	Optional parameter — the country code of the sender in accordance with ISO 3166-1 alpha-2. If the parameter value is not specified, PL (Poland) is used. See https://www.iso.org/iso-3166-country-codes.html for a list of ISO 3166-1 alpha-2 country codes
sender_fax_number	xsd:string	DEPRECATED A parameter left for compatibility purposes - it is ignored

5.27. Structure of tns:AddressBookRecord

Pole	Typ	Opis
recipient_name	xsd:string	First line of name of the recipient is being added
recipient_name2	xsd:string	Second line of name of the recipient is being added
recipient_address_prefix	xsd:string	Optional parameter. Contains the prefix of the recipient's address, e.g. "ul.", "al.", "pl."
recipient_address	xsd:string	Address of the recipient is being added
recipient_home_number	xsd:string	The number of the house (building) of the recipient is being added
recipient_flat_number	xsd:string	Optional parameter. The flat number of the recipient is being added
recipient_post_code	xsd:string	Post code of the recipient is being added
recipient_city	xsd:string	City of the recipient is being added
recipient_country	xsd:string	Optional parameter — recipient country code according to ISO 3166-1 alpha-2. If the parameter value is not specified, PL (Poland) is used. See https://www.iso.org/iso-3166-country-codes.html for a list of ISO 3166-1 alpha-2 country codes
recipient_phone_number	xsd:string	Optional parameter. Phone number of the recipient is being added

custom_id	xsd:string	Optional parameter. User-defined ID of the recipient (it can be used to select recipient to dispatch letter or to delete it from database). Max 16 characters allowed from ranges a-z A-Z 0-9 and <code>_</code> . The value have to be unique in a scope of user account.
-----------	------------	---

6. Defining parameters

6.1. Defining new shipment profiles

Using the API, it is also possible to indicate additional parameters of the shipment, such as the type of paper and colour of the printout, the type and template of the envelope, the type of shipment (registered or ordinary, etc.), the postal operator who will deliver the shipment to the recipients, etc. To do this, create a profile with selected shipment parameters. Log in to your account at <https://panel.postivo.pl>, and next:

- Select "Personalisation" from the left-hand menu under "EXTRAS" and then "Shipment profiles"
- Click on the "Create new shipment profile" button
- Set all parameters of the shipment as you wish and give the profile any name of your choice.
- Click on the "Add shipment profile" button.

The profile with the selected shipment parameters will be saved under the name you specified and will be given a unique identifier. In the Option structure, you can specify the shipment profile ID (name=config_id) to be used to send the shipment. You will find your shipment profile ID by selecting "Personalisation" from the left menu under "EXTRAS" and then selecting "Shipment profiles". A table with all previously saved shipment profiles will appear. Next to each item there is an ID of a given profile.

6.2. Defining the shipment senders

When sending a shipment, you must specify who will be the ordering party of the shipment. Shipment senders must be predefined. For a description of how to add and activate a sender, see the instructions at <https://postivo.pl/pomoc-pytania-i-odpowiedzi-faq>. You can also define the sender using the API - for details, see Sections 4.8 and 4.9.

In the Option structure, you can indicate the sender ID to be used for the shipment (name=sender_id). You will obtain a sender ID by selecting "Personalisation" from the left menu in the "EXTRAS" section and then selecting "Shipment senders". A table with all predefined shipment senders will appear. Next to each item there is an ID of a given sender, which you can use when calling up the appropriate method.

7. Request error codes (result)

Error code	Description of the error
000	Request correct, no errors
001	The password you entered is invalid or the account with the entered login does not exist
002	The account with the entered login has not yet been activated
003	The account with the entered login has not yet been verified by the administrator
004	API access to the account with the entered login has not been activated
005	API access to the account with the entered login is not allowed from this IP address
006	An unknown error occurred while checking identity
010	The shipment type is invalid
020	The document_files parameter is missing
021	Unknown file type uploaded
022	Unable to open uploaded file
023	The uploaded file is corrupt
024	The uploaded file has a blocked print option
025	The uploaded file is protected from processing
026	Failed to convert uploaded file
027	An error occurred while processing the uploaded files
028	There was an unknown problem accessing the content of the uploaded file
029	Error opening library file
030	There are no shipment recipients
031	Invalid recipient name or postscript
032	Invalid recipient address
033	Invalid recipient house number
034	Invalid recipient post code
035	Invalid recipient city
036	Invalid recipient phone number
038	The specified recipient group does not contain any recipient addresses
040	No recipient specified in address book

041	Unsupported recipient country
050	There is no defined shipment profile with this ID
051	There is no available sender with this ID
052	The order execution date is not valid
053	The Callback URL entered is invalid
060	An unknown error occurred
070	The dispatch_ids parameter is missing
071	Invalid Shipment ID
072	There is no shipment with the specified ID
080	Invalid sender name
081	Invalid sender address
082	Invalid sender house number
083	Invalid sender post code
084	Invalid sender city
086	No consent to send a letter with a verification code to the address entered
087	Insufficient funds in your account to send a letter with a verification code
088	The sender entered already exists.
089	The verification code entered for the sender is invalid
090	Sender country is not supported
091	Specified sender does not exist
092	Default sender cannot be deleted
093	Invalid postscript (max. 30 characters)
094	Invalid custom_id parameter for recipient (max 16 characters allowed from range a-z A-Z 0-9 _). Check also if this id isn't used for other recipient (record).

8. Shipment status codes

8.1. Status codes for not accepted shipments

Error code	Description of the error
-3	The shipment has not been sent. There are no funds in your account
-2	The shipment has not been sent. Personalisation failed
-1	The shipment has not been sent. Failed to write to database

8.2. Status codes for correctly shipped shipments

Status code	Description of status
1	Shipment accepted for delivery
2	The shipment is being prepared
3	Shipment has been sent to the postal operator
4	Shipment delivered to the recipient
5	Shipment returned to Postivo.pl
100	Shipment cancelled
200	External status – status from the postal operator. The content of the status is in the status_description field.

9. Callback mechanism – asynchronous update of shipment statuses

We provide an asynchronous mechanism to send information to any URL about any change in the status of a shipment sent through the API. The **global Callback address** can be configured on the account access configuration page through the API (for details, see Section 2.2). Alternatively, when sending a shipment with the dispatch method, you can also specify a **local Callback address** (as the callback_url element of the options parameter - see Section 5.21).

The difference between the global and local callback addresses is that if the callback_url parameter is specified in the dispatch method, the update statuses of this shipment will be sent only to this address. If this parameter is not given, then the statuses will be transferred to the global callback address (if it has been defined, of course).

After each change of status of a shipment sent via the API, the Postivo.pl platform system will call up the appropriate Callback address, passing on to it the following parameters using the GET method:

- **dispatch_id** – ID of the shipment whose status has been changed
- **status_code** – Current status of the shipment as shown in the Table in Section 8.2
- **Date** – Date the status was changed in the format YYYY-MM-DD HH:MM:SS

If for any reason the given Callback URL is not available at the moment, the system will call it up again after 5, 15, 60 minutes and 6 hours.

Example:

The callback_url parameter was not specified when sending a shipment using the dispatch method. However, when setting up access to your account through the API, a global Callback address was set: <http://your-domain.pl/script.php>. When the status of the shipment number T00001224 changes, the following address will be called up: http://your-domain.pl/script.php?dispatch_id=T00001224&status_code=3&date=2011-01-21+13%3A22%3A14.

10.Examples of implementations in different programming environments

We have prepared ready-made code fragments in various programming environments, showing how they are integrated into the Postivo.pl platform. We provide ready-made code for, among others: C#, JAVA, Perl, PHP4, PHP5, Python 3. Additional information and ready-to-download codes are provided on the website <https://postivo.pl/przykladowe-zastosowania-api/#przyklady-implementacji>.

11.API Test System (sandbox)

We provide a test platform that allows you to check the correctness of the integration of your own system with our platform without having to incur any costs. In reality, shipments accepted through the test system will not be sent to the recipients. The API test system has the full functionality of the production system.

The Test System Web Service SOAP (sandbox) is available at:

- <https://api.postivo.pl/webservices-sandbox.php> (encrypted - SSL connection)

The WSDL test system (sandbox) is available at:

- <https://api.postivo.pl/webservices-sandbox.php?wsdl> (encrypted - SSL connection)

Once a shipment has been sent to the test system, the status of the shipment is changed to "Shipment forwarded to postal operator" (status code: 3).

The test system (sandbox) does not require a separate account, and the User panel is located at <https://sandbox.postivo.pl>.

12.Additional and contact information

If you have any technical questions or need more information, please contact us at:

POSTIVO.PL Spółka z ograniczoną odpowiedzialnością Spółka komandytowa

ul. Litewska 4B/16
35-302 Rzeszów

phone: +48 17 717 37 60 (od pn-pt w godz. 8-16),

e-mail: biuro@postivo.pl