
PostNL PHP bindings Documentation

Release 1.2.0

[Read the Docs](#)

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These PHP API bindings aim to make it easier to connect to PostNL's CIF API, used for displaying delivery options, printing shipment labels and retrieving actual shipment statuses.

- The goal is to have a simple interface for connecting with either the SOAP or REST API, while still being able to follow [the official API documentation](#).
- Abstracts away direct requests to the API, allowing you to focus on the code itself. The object structure *is based on the SOAP API*.
- Can merge PDF labels (both A6 and A4) and automatically handles concurrent requests when necessary, making batch processing a lot easier.
- Follows PHP standards, some of them are:
 - PSR-7 interfaces for requests and responses. Build and process functions are provided for every service so you can create your own mix of batch requests. See the [Firstred\PostNL\PostNL::getTimeframesAndNearestLocations](#) method for an example.
 - PSR-6 caching, so you can use your favorite cache for caching API responses. Chapter [Caching](#).
 - PSR-3 logging. You can log the requests and responses for debugging purposes. More info on the page [Logging](#).
 - PSR-18 HTTP Clients or HTTPPlug clients.
- Framework agnostic. You can use this library with any framework.
- A custom HTTP client interface so you can use the HTTP client of your choice. Using the [Guzzle](#) or [Symfony HTTP client](#) is strongly recommended. Any HTTPPlug client can be used by installing the related packages. See the [HTTP Client](#) chapter for more information.

```
$postnl = new PostNL(...);
$timeframes = $postnl->getTimeframes(
    (new GetTimeframes())
        ->setTimeframe([Timeframe::create([
            'CountryCode' => 'NL',
            'StartDate'   => date('d-m-Y', strtotime('+1 day')),
            'EndDate'     => date('d-m-Y', strtotime('+14 days')),
            'HouseNr'     => 42,
            'PostalCode'  => '2132WT',
            'SundaySorting' => true,
            'Options'     => ['Daytime', 'Evening'],
        ]]))
);
var_dump($timeframes);
```


DEVELOPER GUIDE

1.1 Overview

1.1.1 Requirements

Nowadays there are two APIs you can choose from: SOAP or REST. PostNL's REST API provides all of the functionality and is currently the recommended way to connect.

REST API Requirements

1. PHP 5.6 or higher (up to and including 8.0)
2. [JSON extension](#)
3. An HTTP Client such as [Symfony's HTTP Client](#) (PostNL lib v1.3.0 or higher) or [Guzzle](#) (or at least have the [PHP cURL extension](#) installed)
4. `opcache.save_comments` set to 1

SOAP API Requirements

1. PHP 5.6 or higher (up to and including 8.0)
2. [JSON extension](#) (both the Shipping webservice and Shipping Status webservice can only be handled by the REST API)
3. [XMLWriter extension](#)
4. [XMLReader extension](#)
5. An HTTP Client such as [Symfony's HTTP Client](#) (PostNL lib v1.3.0 or higher) or [Guzzle](#) (or at least have the [PHP cURL extension](#) installed)
6. `opcache.save_comments` set to 1

Warning: Enabling the OPCache and setting `opcache.save_comments` to 0 will break this library since it depends on PHPDoc comments.

You can quickly check your current settings with this snippet:

```
echo "OPCache is ".opcache_enabled() ? "enabled\n" : "disabled\n";
echo "opcache.save_comments is set to ".ini_get('opcache.save_comments') ? '1' :
    ↪ '0';
```

Note: You can install any HTTP Client that is supported by the [HTTPPlug](#) project. See chapter *HTTP Client* for more information.

Note: If you use the Guzzle client, you do not need to have the cURL extension installed. As an alternative, you can enable `allow_url_fopen` in your system's `php.ini`. The included Guzzle version can work with the PHP stream wrapper to handle HTTP requests. For more information check out [Guzzle's documentation](#).

1.1.2 License

Licensed using the [MIT license](#).

The MIT License (MIT).

Copyright (c) 2017-2021 Michael Dekker (<https://github.com/firstred>)

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1.1.3 Contributing

Guidelines

1. This library supports PSR-1, PSR-2, PSR-3, PSR-4, PSR-6, PSR-7 and PSR-18.
2. The library is meant to be lean, fast and sticks to the standards of the SOAP API. This means that not every feature request can be accepted. When in doubt, please open an issue first.
3. The PostNL library has a minimum PHP version requirement of PHP 5.6. Pull requests must not require a PHP version greater than PHP 5.6.
4. All pull requests must include unit tests to ensure the change works as expected and to prevent regressions.

Running the tests

In order to contribute, you'll need to checkout the source from GitHub and install the dependencies using Composer:

```
git clone https://github.com/firstred/postnl-api-php.git
cd postnl-api-php && composer install
```

This library is unit tested with PHPUnit. Run the tests using the included PHPUnit version:

```
composer test
```

Note: You'll need to use PHP 7.3 or newer in order to perform the tests.

Building the documentation

The documentation is automatically built and hosted on readthedocs.io. You can build a local HTML copy by installing [Sphinx](#) and running

```
pip install -r docs/requirements.txt
```

to install the requirements, followed by

```
sphinx-build -b html docs builddir
```

to build the HTML output in the directory `builddir`.

1.2 Installation

The recommended way to install the PostNL library is through [Composer](#). Composer is a dependency management tool for PHP that allows you to declare the dependencies your project needs and installs them into your project.

This chapter assumes that you meet all the requirements as described in the [Overview](#) chapter.

Install composer with the instructions on this page: <https://getcomposer.org/download/>

1.2.1 Install through Composer

Install the PostNL library:

```
composer require firstred/postnl-api-php
```

You can optionally add the well-known [Guzzle](#) HTTP client as a dependency using composer:

```
composer require guzzlehttp/guzzle
```

This library will prefer the [Guzzle client](#) and automatically start using it instead of the built-in cURL-client.

Note: After installing, you need to require Composer's autoloader somewhere in your project, which is not necessary if you are using a framework such as Laravel or Symfony, for example.

You can require the autoloader as follows (assuming the `vendor/` dir is relative to your current directory):

```
require_once 'vendor/autoload.php';
```

You can find out more on how to install Composer, configure autoloading, and other best-practices for defining dependencies at getcomposer.org.

1.2.2 Install the latest development build through composer

During your development, you can keep up with the latest changes on the master branch by setting the version requirement for this library to `dev-1.2.x`.

```
{
  "require": {
    "firstred/postnl-api-php": "dev-1.2.x"
  }
}
```

Note: You will likely have to change the `min-stability` setting:

<https://getcomposer.org/doc/04-schema.md#minimum-stability>

1.3 Authentication

The PostNL API requires an API key to authenticate. You can request one via [MijnPostNL](#).

If you do not already have a PostNL account, be sure to check out this page: <https://developer.postnl.nl/request-api-key/>

Note: The API key is automatically attached to the *Firstred\PostNL\Entity\SOAP\UsernameToken* object (SOAP) or `apikey` HTTP header (REST). You do not have to manually add the API key with every request.

1.3.1 Passing all credentials

Besides having to provide an API key, you will have to pass information about your business. These credentials will have to be passed with a *Firstred\PostNL\Entity\Customer* object when creating a new *Firstred\PostNL\PostNL* instance.

Note: The *Firstred\PostNL\PostNL* class is the main class of this library. It handles all functionality you will need from a developer's perspective. After instantiating a new *Firstred\PostNL\PostNL* object you will have everything you need to communicate with the PostNL API. Everything else (caching, HTTP Clients, logging, etc.) is optional.

In order to get started with the API, the following credentials are important:

Required credentials

API key

Required: True

The API key

Customer code

Required: True

The customer code is a code that usually consists of 4 letters and appears in domestic 3S-codes.

Customer number

Required: True

The customer number is a number that usually consists of 8 digits.

Address

A filled *Firstred\PostNL\Entity\Address* object with at least the following information:

AddressType

Required: True

Default: 02

The address type should be 02, which means the address belongs to the sender.

City

Required: True

City

CompanyName

Required: True

The company name

HouseNr

Required: True

The house number

Street

Required: True

Street name

Zipcode

Required: True

The postcode. Be aware that the API might sometimes refer to a postcode as postcode, postal code or zipcode.

Collection location

Required: True

Default: 123456

I must admit that to this day I still do not have a single clue what this value means. It could refer to your local drop-off location (if you use one). If your PostNL account manager can provide you with a collection location number please use that one.

I usually fill out 123456 and it seems to work just fine.

Globalpack barcode type

Required: False

The barcode type to use for international shipments. This field is optional if you do not ship outside the EU.

This field usually consists of 2 letters.

Globalpack customer code

Required: False

The barcode type to use for international shipments. This field is optional if you do not ship outside the EU.

This field usually consists of 4 digits.

When you have all the required information, you are ready to configure the library. It can be configured as follows:

Note: Example configuration. All the credential come together in the *Firstred\PostNL\Entity\Customer* and main *Firstred\PostNL\PostNL* class.

```
$apiKey = 'qjsdjufhjasudhfaSDFasdifh324';
$customer = (new Customer())
    ->setCollectionLocation('123456')
    ->setCustomerCode('DEVC')
    ->setCustomerNumber('11223344')
    ->setContactPerson('Test')
    ->setAddress(Address::create([
        'AddressType' => '02',
        'City'         => 'Hoofddorp',
        'CompanyName' => 'PostNL',
        'Countrycode'  => 'NL',
        'HouseNr'      => '42',
        'Street'       => 'Siriusdreef',
        'Zipcode'      => '2132WT',
    ]))
    ->setGlobalPackBarcodeType('AB')
    ->setGlobalPackCustomerCode('1234');

$postnl = new PostNL(
    $customer,          // The filled Customer object
    $apiKey,            // The API key
    false,              // Sandbox = false, meaning we are now using the live_
    ↪environment
    PostNL::MODE_REST // We are going to use the REST API (default)
);
```

You might have noticed that several different ways have been used to instantiate an object. More information about this can be found in the *Object instantiation* section.

The PostNL client constructor accepts a few options:

customer

Required: True

The `Firstred\PostNL\Entity\Customer` object that is used to configure the client and let PostNL know who is requesting the data.

```
// Create a new customer
$client = new Customer::create([
    'CollectionLocation' => '123456',           // Your collection_
    ↪location
    'CustomerCode'       => 'DEV_C',           // Your Customer Code
    'CustomerNumber'     => '11223344',       // Your Customer_
    ↪Number
    'GlobalPackBarcodeType('CX'),           // Add your_
    ↪GlobalPack information if you need
    'GlobalPackCustomerCode('1234'),       // to create_
    ↪international shipment labels
    'ContactPerson'      => 'Sander',
    'Address'            => Address::create([
        'AddressType' => '02',           // This address will_
        ↪be shown on the labels
        'City'         => 'Hoofddorp',
        'CompanyName'  => 'PostNL',
        'Countrycode'  => 'NL',
        'HouseNr'      => '42',
        'Street'       => 'Siriusdreef',
        'Zipcode'      => '2132WT',
    ]),
    'Email'             => 'test@voorbeeld.nl',
    'Name'              => 'Michael',
]);
```

apiKey

The API key to use. Note that if you want to switch from the legacy API to the new SOAP and REST API you will have to request a new key.

If you want to connect to the legacy API, you should pass a `Firstred\PostNL\Entity\SOAP\UsernameToken` with your username and token set:

```
$usernameToken = new UsernameToken('username', 'token');
```

You can request an API key for the sandbox environment on this page: <https://developer.postnl.nl/content/request-api-key> For a live key you should contact your PostNL account manager.

sandbox

Required: True

Indicate whether you'd like to connect to the sandbox environment. When *false* the library uses the live endpoints.

mode

Required: True

This library provides three ways to connect to the API:

- `Firstred\PostNL\PostNL::MODE_REST`: REST mode
- `Firstred\PostNL\PostNL::MODE_SOAP`: SOAP mode
- `Firstred\PostNL\PostNL::MODE_LEGACY`: Legacy mode – This is the previous SOAP API, which, at the moment of writing, has been disabled.

1.3.2 Authorization

You may not be authorized to access all services. Contact your PostNL account manager to find out what's available to you.

1.4 Quickstart

This page provides a quick introduction to this library and a few quick copy/paste examples which you can adjust to your likings.

This section assumes that you have installed the library and are fully authenticated.

If you do not have the library installed, head over to the [Installation](#) page. If you do not know what to pass to the main `Firstred\PostNL\PostNL` class, please refer to the chapter [Authentication](#) first.

You can do requests over the API by creating the request objects and passing them to one of the functions in the main `Firstred\PostNL\PostNL` class.

Creating request objects may seem a bit counter-intuitive at first, but this makes it a lot easier to follow the request examples from the [official API documentation](#) and quickly figure out what each field does.

Using an IDE with code completion is **strongly recommended**.

1.4.1 Requesting timeframes, locations and the delivery date at once

You can request the timeframes, locations and delivery date at once to quickly retrieve all the available delivery options.

Note: For more details on how to retrieve delivery options, consult the [Delivery options](#) chapter.

Here's how it is done from scratch:

PHP 5/7

PHP 8

```
<?php

use Firstred\PostNL\Entity\CutOffTime;
use Firstred\PostNL\Entity\Location;
use Firstred\PostNL\Entity\Message\Message;
use Firstred\PostNL\Entity\Request\GetDeliveryDate;
use Firstred\PostNL\Entity\Request\GetNearestLocations;
use Firstred\PostNL\Entity\Request\GetTimeframes;
use Firstred\PostNL\Entity\Timeframe;
use Firstred\PostNL\PostNL;
use Firstred\PostNL\Entity\Customer;
use Firstred\PostNL\Entity\Address;

require_once __DIR__ . '/vendor/autoload.php';

// Your PostNL credentials
$customer = Customer::create([
    'CollectionLocation' => '123456',
    'CustomerCode'       => 'DEVC',
    'CustomerNumber'     => '11223344',
    'ContactPerson'      => 'Sander',
    'Address'            => Address::create([
        'AddressType' => '02',
```

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```

        'City'          => 'Hoofddorp',
        'CompanyName'   => 'PostNL',
        'Countrycode'   => 'NL',
        'HouseNr'       => '42',
        'Street'        => 'Siriusdreef',
        'Zipcode'       => '2132WT',
    ]),
    'Email'             => 'test@voorbeeld.nl',
    'Name'              => 'Michael',
]);

$apikey = 'YOUR_API_KEY_HERE';
$sandbox = true;

$postnl = new PostNL($customer, $apikey, $sandbox, PostNL::MODE_REST);

$mondayDelivery = true;
$deliveryDaysWindow = 7; // Amount of days to show ahead
$dropoffDelay = 0;       // Amount of days to delay delivery

// Configure the cut-off window for every day, 1 = Monday, 7 = Sunday
$cutoffTime = '15:00:00';
$dropoffDays = [1 => true, 2 => true, 3 => true, 4 => true, 5 => true, 6 => false, 7 => false];
foreach (range(1, 7) as $day) {
    if ($dropoffDays[$day]) {
        $cutOffTimes[] = new CutOffTime(
            str_pad($day, 2, '0', STR_PAD_LEFT),
            date('H:i:00', strtotime($cutoffTime)),
            true
        );
    }
}

$response = $postnl->getTimeframesAndNearestLocations(
    (new GetTimeframes())
        ->setTimeframe([
            (new Timeframe())
                ->setCountryCode('NL')
                ->setEndDate(date('d-m-Y', strtotime(" +{$deliveryDaysWindow} days_
↳+{$dropoffDelay} days"))))
                ->setHouseNr('66')
                ->setOptions(['Morning', 'Daytime'])
                ->setPostalCode('2132WT')
                ->setStartDate(date('d-m-Y', strtotime("+1 days")))
                ->setSundaySorting(!empty($mondayDelivery) && date('w', strtotime(
↳"+{$dropoffDelay} days")))
        ]),
    (new GetNearestLocations())
        ->setCountrycode('NL')
        ->setLocation(
            (new Location())
                ->setAllowSundaySorting(!empty($mondayDelivery))
                ->setDeliveryOptions(['PG'])
                ->setOptions(['Daytime'])
                ->setHouseNr('66')
                ->setPostalcode('2132WT')
        ),
    (new GetDeliveryDate())
        ->setGetDeliveryDate(
            (new GetDeliveryDate())

```

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```

        ->setAllowSundaySorting(!empty($mondayDelivery))
        ->setCountryCode('NL')
        ->setCutOffTimes($cutOffTimes)
        ->setHouseNr('12')
        ->setOptions(['Daytime', 'Evening'])
        ->setPostalCode('2132WT')
        ->setShippingDate(date('d-m-Y H:i:s'))
        ->setShippingDuration(strval(1 + (int) $dropoffDelay))
    )
    ->setMessage(new Message())
);

```

```

<?php

use Firstred\PostNL\Entity\Label;
use Firstred\PostNL\PostNL;
use Firstred\PostNL\Entity\Customer;
use Firstred\PostNL\Entity\Address;
use Firstred\PostNL\Entity\Shipment;
use Firstred\PostNL\Entity\Dimension;

require_once __DIR__ . '/vendor/autoload.php';

// Your PostNL credentials
$customer = new Customer(
    CustomerNumber: '11223344',
    CustomerCode: 'DEVC',
    CollectionLocation: '123456',
    ContactPerson: 'Sander',
    Email: 'test@voorbeeld.nl',
    Name: 'Michael',
    Address: new Address(
        AddressType: '02',
        CompanyName: 'PostNL',
        Street: 'Siriusdreef',
        HouseNr: '42',
        Zipcode: '2132WT',
        City: 'Hoofddorp',
        Countrycode: 'NL',
    ),
);

$apikey = 'YOUR_API_KEY_HERE';
$sandbox = true;

$postnl = new PostNL(
    customer: $customer,
    apiKey: $apikey,
    sandbox: $sandbox,
    mode: PostNL::MODE_REST,
);

$mondayDelivery = true;
$deliveryDaysWindow = 7; // Amount of days to show ahead
$dropoffDelay = 0;       // Amount of days to delay delivery

// Configure the cut-off window for every day, 1 = Monday, 7 = Sunday
$cutoffTime = '15:00:00';
$dropoffDays = [1 => true, 2 => true, 3 => true, 4 => true, 5 => true, 6 => false,
    ↪ 7 => false];
foreach (range(1, 7) as $day) {

```

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```

        if ($dropoffDays[$day]) {
            $cutOffTimes[] = new CutOffTime(
                str_pad($day, 2, '0', STR_PAD_LEFT),
                date('H:i:00', strtotime($cutOffTime)),
                true
            );
        }
    }

    $response = $postnl->getTimeframesAndNearestLocations(
        (new GetTimeframes())
            ->setTimeframe([
                (new Timeframe())
                    ->setCountryCode('NL')
                    ->setEndDate(date('d-m-Y', strtotime(" +{$deliveryDaysWindow} days_
↪+{$dropoffDelay} days"))))
                    ->setHouseNr('66')
                    ->setOptions(['Morning', 'Daytime'])
                    ->setPostalCode('2132WT')
                    ->setStartDate(date('d-m-Y', strtotime("+1 days")))
                    ->setSundaySorting(!empty($mondayDelivery) && date('w', strtotime(
↪"+{$dropoffDelay} days")))
            ]),
        (new GetNearestLocations())
            ->setCountrycode('NL')
            ->setLocation(
                (new Location())
                    ->setAllowSundaySorting(!empty($mondayDelivery))
                    ->setDeliveryOptions(['PG'])
                    ->setOptions(['Daytime'])
                    ->setHouseNr('66')
                    ->setPostalcode('2132WT')
            ),
        (new GetDeliveryDate())
            ->setGetDeliveryDate(
                (new GetDeliveryDate())
                    ->setAllowSundaySorting(!empty($mondayDelivery))
                    ->setCountryCode('NL')
                    ->setCutOffTimes($cutOffTimes)
                    ->setHouseNr('12')
                    ->setOptions(['Daytime', 'Evening'])
                    ->setPostalCode('2132WT')
                    ->setShippingDate(date('d-m-Y H:i:s'))
                    ->setShippingDuration(strval(1 + (int) $dropoffDelay))
            )
            ->setMessage(new Message())
    );

```

The response variable will be an associative array containing the timeframes, nearest locations and delivery date. It has the following keys:

timeframes

This is a *Firstred\PostNL\Entity\Response\ResponseTimeframes* object containing all the timeframes. You can iterate over all the available timeframes as follows.

```

foreach ($response['timeframes'] as $timeframe) {
    $date = $timeframe->getDate()->format('Y-m-d');

    // Note that a timeframe object might have multiple embedded_
↪timeframes.
    // This might happen when you request both `Daytime` and `Evening`_
↪timeframes

```

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```
$from = $timeframe->getTimeframes()[0]->getFrom();
$to = $timeframe->getTimeframes()[0]->getTo();

echo "$date - from: $from, to: $to\n";
}

// Output: 2020-03-03 - from: 12:15:00, to: 14:00:00
```

Note: Note that the API usually groups timeframes by date, but is not guaranteed to do so, so do not rely on it!

The embedded timeframes contain the actual timeframes on that particular day.

The response format is the same for both the SOAP and REST API and is described on this page: https://developer.postnl.nl/browse-apis/delivery-options/timeframe-webservice/testtool-rest/#/Timeframe/get_calculate_timeframes

Note: Dates and times returned by the library always use the same format for consistency and therefore may differ from the API. Please refer to the *Formats* chapter for more information.

locations

The pickup locations can be found in the *Firstred\PostNL\Entity\Response\GetNearestLocationsResponse* object.

You can iterate over the found locations as follows:

```
foreach ($response['locations']->getGetLocationsResult()->
    ↳getResponseLocation() as $location) {
    var_dump($location);
}
```

delivery_date

The delivery date that was found, returned in a *Firstred\PostNL\Entity\Response\GetDeliveryDateResponse* object.

You can print the date as follows:

```
echo $response['delivery_date']->getDeliveryDate()->format('d-m-Y');
```

1.4.2 Creating a (merged) shipment label

This section describes how you can create two labels and have them merged into a single PDF automatically.

Note: If you'd like to know more about all the methods you can use to create labels, see the *Send and track shipments* chapter.

Example code:

```
use Firstred\PostNL\Entity\Label;
use Firstred\PostNL\PostNL;
use Firstred\PostNL\Entity\Customer;
use Firstred\PostNL\Entity\Address;
use Firstred\PostNL\Entity\Shipment;
use Firstred\PostNL\Entity\Dimension;
```

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```

require_once __DIR__.'./vendor/autoload.php';

// Your PostNL credentials
$customer = Customer::create([
    'CollectionLocation' => '123456',
    'CustomerCode'       => 'DEVC',
    'CustomerNumber'     => '11223344',
    'ContactPerson'      => 'Sander',
    'Address'            => Address::create([
        'AddressType' => '02',
        'City'        => 'Hoofddorp',
        'CompanyName' => 'PostNL',
        'Countrycode' => 'NL',
        'HouseNr'     => '42',
        'Street'       => 'Siriusdreef',
        'Zipcode'      => '2132WT',
    ]),
    'Email'            => 'test@voorbeeld.nl',
    'Name'             => 'Michael',
]);

$apikey = 'YOUR_API_KEY_HERE';
$sandbox = true;

$postnl = new PostNL($customer, $apikey, $sandbox, PostNL::MODE_SOAP);

$barcodes = $postnl->generateBarcodesByCountryCodes(['NL' => 2]);

$shipments = [
    Shipment::create([
        'Addresses' => [
            Address::create([
                'AddressType' => '01',
                'City'        => 'Utrecht',
                'Countrycode' => 'NL',
                'FirstName'   => 'Peter',
                'HouseNr'     => '9',
                'HouseNrExt'  => 'a bis',
                'Name'        => 'de Ruijter',
                'Street'      => 'Bilderdijkstraat',
                'Zipcode'     => '3521VA',
            ]),
        ],
        'Barcode'      => $barcodes['NL'][0],
        'Dimension'    => new Dimension('1000'),
        'ProductCodeDelivery' => '3085',
    ]),
    Shipment::create([
        'Addresses' => [
            Address::create([
                'AddressType' => '01',
                'City'        => 'Utrecht',
                'Countrycode' => 'NL',
                'FirstName'   => 'Peter',
                'HouseNr'     => '9',
                'HouseNrExt'  => 'a bis',
                'Name'        => 'de Ruijter',
                'Street'      => 'Bilderdijkstraat',
                'Zipcode'     => '3521VA',
            ]),
        ],
    ]),
];

```

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```

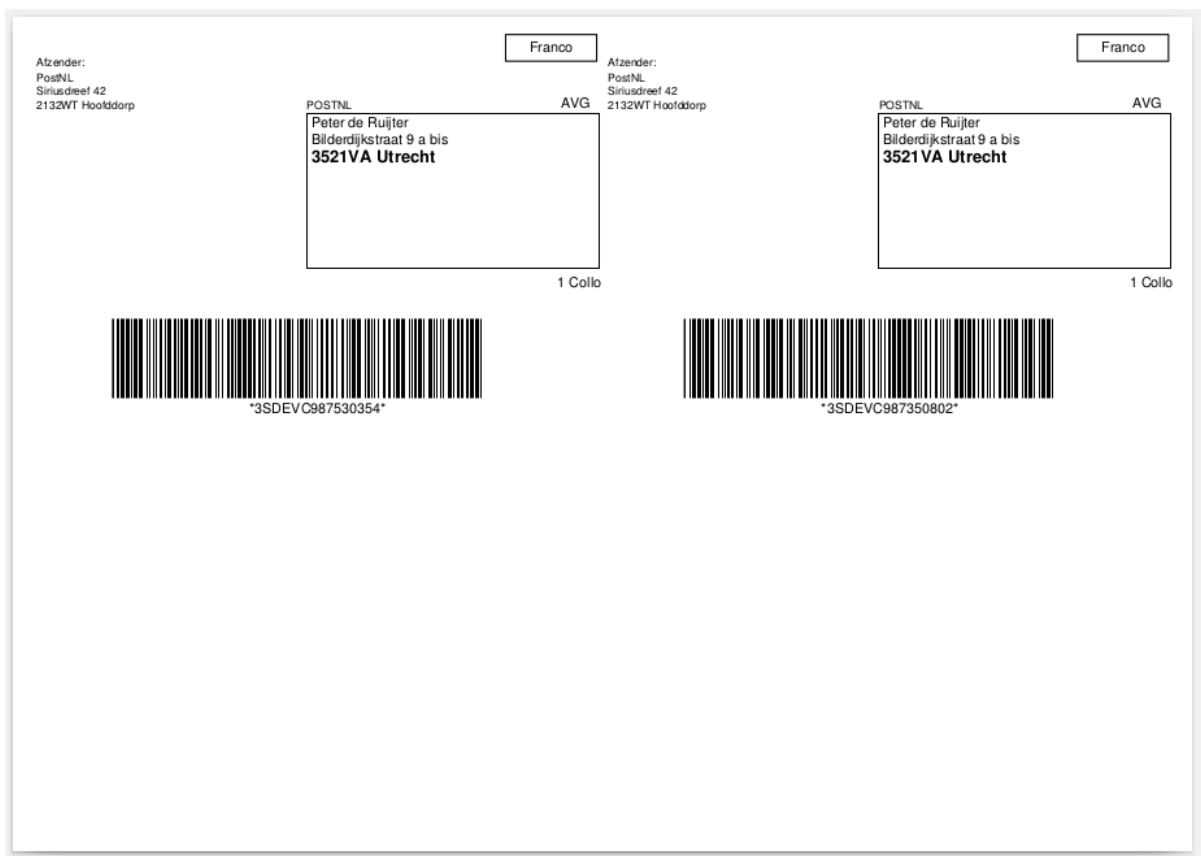
        'Barcode'           => $barcodes['NL'][1],
        'Dimension'         => new Dimension('1000'),
        'ProductCodeDelivery' => '3085',
    ]),
];

$label = $postnl->generateLabels(
    $shipments,
    'GraphicFile|PDF', // Printertype (only PDFs can be merged -- no need to use _
    ↪the Merged types)
    true, // Confirm immediately
    true, // Merge
    Label::FORMAT_A4, // Format -- this merges multiple A6 labels onto an A4
    [
        1 => true,
        2 => true,
        3 => true,
        4 => true,
    ] // Positions
);

file_put_contents('labels.pdf', $label);

```

This will write a `labels.pdf` file that looks like this:



If you'd rather have the user download a label, you can set the Content-Disposition header:

```

$label = ...;

header('Content-Type: application/pdf');
header('Content-Disposition: attachment; filename="label.pdf"');

```

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```
echo $label;
exit;
```

Note: Your framework might already provide a way to output files. Here are a few examples for several popular PHP frameworks:

Symfony

Laravel

```
<?php

use Symfony\Bundle\FrameworkBundle\Controller\AbstractController;
use Symfony\Component\HttpFoundation\Response;
use Symfony\Component\HttpFoundation\ResponseHeaderBag;

class CreateShipmentController extends AbstractController
{
    public function downloadLabelAction()
    {
        // Provide a name for your file with extension
        $filename = 'label.pdf';

        // Create the label
        $label = ...;

        // Return a response with a specific content
        $response = new Response($label);

        // Create the disposition of the file
        $disposition = $response->headers->makeDisposition(
            ResponseHeaderBag::DISPOSITION_ATTACHMENT,
            $filename
        );

        // Set the content type and disposition
        $response->headers->set('Content-Type', 'application/pdf');
        $response->headers->set('Content-Disposition', $disposition);

        // Dispatch request
        return $response;
    }
}
```

Source: <https://ourcodeworld.com/articles/read/329/how-to-send-a-file-as-response-from-a-controller-in-symfony-3>

```
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

class DownloadLabelController extends Controller
{
    public function downloadLabelAction(Request $request) {
        // Create the label
        $label = ...;

        return response()
            ->header('Content-Type', 'application/pdf')
            ->header('Content-Disposition', 'attachment; filename="label.pdf"');
```

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```
}  
}
```

Source: <https://laravel.com/docs/8.x/controllers>

Source: <https://gist.github.com/diegofelix/8863402>

1.4.3 Tracking a shipment

You can track a single shipment by calling `Firstred\PostNL\PostNL::getShippingStatusByBarcode` with the barcode of the shipment.

It accepts the following parameters:

barcode

The actual barcode, for example: 3SABCD1837238723.

complete

Whether the method should return a complete status update. A complete status update contains the shipment history as well.

Code example:

PHP 5/7

PHP 8

```
$postnl = new PostNL(...);  
  
$currentStatusResponse = $postnl->getShippingStatusByBarcode(  
    '3SABCD1837238723', // Barcode  
    false                // Return just the current status (complete = false)  
);
```

```
$postnl = new PostNL(...);  
  
$currentStatusResponse = $postnl->getShippingStatusByBarcode(  
    barcode: '3SABCD1837238723',  
    complete: false,  
);
```

1.5 Delivery options

The PostNL API allows you to retrieve a list of predicted timeframes and a list of possible pickup locations. For timeframes you will have to use a certain date range and to get the nearest pickup locations you can use an address or geolocation.

There are two ways to gather timeframes and pickup locations. You can

1. combine the delivery date, timeframe and location webservices
2. or use the checkout service.

The checkout service is currently not supported, but this library contains an easy interface to combine the three separate services listed in this section and provides the same functionality, if not more.

This section lists all the ways in which you can retrieve delivery options, using three webservises. It is possible to request:

1. *Delivery dates* (when a shipment could arrive, given the current shipping date)
2. *Shipping dates* (when a shipment should be dispatched, given the predicted delivery date)
3. *Timeframes*
4. *Nearest locations*
5. *Nearest locations by coordinates*

1.5.1 Checkout

On an e-commerce checkout page you will probably want to show timeframes and/or pickup locations based on the current day and cut-off window. This library provides an interface to easily combine the three webservises required to show all the delivery options. It will simultaneously contact the three webservises and request a list of timeframes and pickup locations based on the given input.

An example of how the interface can be used can be found in the section *Requesting timeframes, locations and the delivery date at once*, part of the *Quickstart* chapter.

1.5.2 Deliverydate webservice

Note:

PostNL API documentation for this service:

<https://developer.postnl.nl/apis/deliverydate-webservice>

Use the delivery date webservice to determine the delivery and shipping date. You can use this service to calculate the dates ‘live’ and to make sure you do not promise your customers any timeframes that are no longer available.

Delivery dates

Here’s how you can retrieve the closest delivery date:

```
$cutoffTime = '15:00:00';
$dropoffDays = [1 => true, 2 => true, 3 => true, 4 => true, 5 => true, 6 => false, 7 => false];
foreach (range(1, 7) as $day) {
    if (isset($dropoffDays[$day])) {
        $cutoffTimes[] = new CutOffTime(
            str_pad($day, 2, '0', STR_PAD_LEFT),
            date('H:i:00', strtotime($cutoffTime)),
            true
        );
    }
}
$deliveryDate = $postnl->getDeliveryDate(
    (new GetDeliveryDate())
    ->setGetDeliveryDate(
        (new GetDeliveryDate())
        ->setAllowSundaySorting(false)
        ->setCountryCode('NL')
        ->setCutOffTimes($cutoffTimes)
        ->setHouseNr('66')
        ->setOptions(['Morning', 'Daytime'])
        ->setPostalCode('2132WT')
    )
);
```

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```

        ->setShippingDate(date('d-m-Y H:i:s'))
        ->setShippingDuration('1')
    )
};

```

The result will be a *GetDeliveryDateResponse*. Calling *getDeliveryDate* on this object will return the delivery date as a string in the *d-m-Y H:i:s* PHP date format.

The function accepts the following arguments

getDeliveryDate

Required: True

The *Firstred\PostNL\Entity\Request\GetDeliveryDate* request object. See the API documentation for the possibilities. As shown in the example you will need to provide as many details as possible to get accurate availability information.

Shipping dates

The Shipping Date service almost works in the same way as the Delivery Date service, except this time you provide the actual delivery date in order to calculate the closest shipping date.

```

$cutOffTime = '15:00:00';
$dropoffDays = [1 => true, 2 => true, 3 => true, 4 => true, 5 => true, 6 => false, 7 => false];
foreach (range(1, 7) as $day) {
    if (isset($dropoffDays[$day])) {
        $cutOffTimes[] = new CutOffTime(
            str_pad($day, 2, '0', STR_PAD_LEFT),
            date('H:i:00', strtotime($cutOffTime)),
            true
        );
    }
}
$deliveryDate = $postnl->getDeliveryDate(
    (new GetDeliveryDate())
        ->setGetDeliveryDate(
            (new GetDeliveryDate())
                ->setAllowSundaySorting(false)
                ->setCountryCode('NL')
                ->setCutOffTimes($cutOffTimes)
                ->setHouseNr('66')
                ->setOptions(['Morning', 'Daytime'])
                ->setPostalCode('2132WT')
                ->setShippingDate(date('d-m-Y H:i:s'))
                ->setShippingDuration('1')
            )
        )
);

```

The function accepts the following arguments

getSentDate

Required: True

The *Firstred\PostNL\Entity\Request\GetSentDate* request object. See the API documentation for the possibilities. As shown in the example you will need to provide as many details as possible to get accurate availability information.

1.5.3 Timeframe webservice

Note:

PostNL API documentation for this service:

<https://developer.postnl.nl/apis/timeframe-webservice>

Timeframes

```
$deliveryDaysWindow = 7;
$dropoffDelay = 0;

$timeframes = $postnl->getTimeframes(new GetTimeframes())
    ->setTimeframe([
        (new Timeframe())
            ->setCountryCode('NL')
            ->setEndDate(date('d-m-Y', strtotime(" +{$deliveryDaysWindow} days +{
↳$dropoffDelay} days")))
            ->setHouseNr('66')
            ->setOptions(['Daytime', 'Evening'])
            ->setPostalCode('2132WT')
            ->setStartDate(date('d-m-Y', strtotime(" +1 day +{$dropoffDelay} days
↳")))
            ->setSundaySorting(false)
    ])
);
```

timeframes

Required: True

The *Firstred\PostNL\Entity\Request\GetTimeframes* request object. See the API documentation for more details.

1.5.4 Location webservice

Note:

PostNL API documentation for this service:

<https://developer.postnl.nl/apis/location-webservice>

The location service allows you to retrieve a list of locations for the given postcode or coordinates.

Nearest locations

Here's an example of how you can retrieve the nearest location by postcode:

```
$postnl->getNearestLocations(
    (new GetNearestLocations())
        ->setCountrycode('NL')
        ->setLocation(
            (new Location())
                ->setAllowSundaySorting(false)
                ->setDeliveryOptions(['PG'])
        )
);
```

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```
->setOptions(['Daytime'])
->setHouseNr('66')
->setPostalcode('2132WT')
)
);
```

getNearestLocations

Required: True

The *Firstred\PostNL\Entity\Request\GetNearestLocations* request object. See the API documentation for more details.

Nearest locations by coordinates

You can also get the locations by specifying a bounding box. One can be drawn by providing the North-West and South-East corner of the box:

```
$postnl->getLocationsInArea(
    (new GetLocationsInArea())
    ->setCountrycode('NL')
    ->setLocation(
        (new Location())
        ->setAllowSundaySorting(false)
        ->setDeliveryDate(date('d-m-Y', strtotime('+1 day')))
        ->setDeliveryOptions([
            'PG',
        ])
        ->setOptions([
            'Daytime',
        ])
        ->setCoordinatesNorthWest(
            (new CoordinatesNorthWest())
            ->setLatitude((string) 52.156439)
            ->setLongitude((string) 5.015643)
        )
        ->setCoordinatesSouthEast(
            (new CoordinatesNorthWest())
            ->setLatitude((string) 52.017473)
            ->setLongitude((string) 5.065254)
        )
    )
);
```

This function accepts the arguments:

locationsInArea

Required: True

The *Firstred\PostNL\Entity\Request\GetLocationsInArea* request object. See the API documentation for more details.

1.6 Send and track shipments

Sending shipments can be done in one of two ways:

1. Using the Shipping webservice
2. Using the Barcode, Labelling and Confirming webservice

This library supports both methods. In this sections we'll go through all the available webservices.

1.6.1 Barcode webservice

Note:

PostNL API documentation for this service:

<https://developer.postnl.nl/apis/barcode-webservice/overview>

The barcode service allows you to generate barcodes for your shipment labels. Usually you would reserve an amount of barcodes, generate shipping labels and eventually confirm those labels. According to PostNL, this flow is necessary for a higher delivery success rate.

Generate a single barcode

You can generate a single barcode for domestic shipments as follows:

```
$postnl->generateBarcode();
```

This will generate a 3S barcode meant for domestic shipments only.

The method `Firstred\PostNL\PostNL::generateBarcode` accepts the following arguments:

type

Required: False

Default: 3S

The barcode type. This is 2S/3S for the Netherlands and EU Pack Special shipments. For other destinations this is your GlobalPack barcode type. For more info, check the [PostNL barcode service page](#).

range

Required: False

Default: null

For domestic and EU shipments this is your customer code. Otherwise, your GlobalPack customer code.

serie

Required: False

Default: null

This is the barcode range for your shipment(s). Check the [PostNL barcode service page](#) for the ranges that are available.

eps

Required: False

Default: false

Indicates whether this is an EU Pack Special shipment.

Generate a barcode by country code

It is possible to generate a barcode by country code. This will let the library figure out what type, range, serie to use.

Example:

```
$postnl->generateBarcodeByCountryCode('BE');
```

This will generate a 3S barcode meant for domestic shipments only.

The method `Firstred\PostNL\PostNL::generateBarcodeByCountryCode` accepts the following arguments:

iso

Required: True

The two letter country ISO-3166 alpha-2 code. Make sure you use UPPERCASE. List of ISO-3166 codes: <https://www.iban.com/country-codes>

Generate multiple barcodes by using country codes

You can generate a whole batch of barcodes at once by providing country codes and the amounts you would like to generate.

Example:

```
$postnl->generatesBarcodeByCountryCodes(['NL' => 2, 'DE' => 3]);
```

The method `Firstred\PostNL\PostNL::generateBarcodesByCountryCodes` will return a list of barcodes:

```
[
    'NL' => [
        '3SDEVC1111111111',
        '3SDEVC2222222222',
    ],
    'DE' => [
        '3SDEVC1111111111',
        '3SDEVC2222222222',
        '3SDEVC3333333333',
    ],
];
```

The function accepts the following argument:

type

Required: True

This must be an associative array with country codes as key and the amount of barcodes you'd like to generate per country as the value.

1.6.2 Labelling webservice

Note:

PostNL API documentation for this service:

<https://developer.postnl.nl/apis/labelling-webservice>

The labelling service allows you to create shipment labels and optionally confirm the shipments. The library has a built-in way to merge labels automatically, so you can request labels for multiple shipments at once.

Generate a single label

The following example generates a single shipment label for a domestic shipment:

```
$postnl = new PostNL(...);
$postnl->generateLabel(
    Shipment::create()
        ->setAddresses([
            Address::create([
                'AddressType' => '01',
                'City'         => 'Utrecht',
                'Countrycode'  => 'NL',
                'FirstName'    => 'Peter',
                'HouseNr'      => '9',
                'HouseNrExt'   => 'a bis',
                'Name'         => 'de Ruijter',
                'Street'       => 'Bilderdijkstraat',
                'Zipcode'      => '3521VA',
            ]),
            Address::create([
                'AddressType' => '02',
                'City'         => 'Hoofddorp',
                'CompanyName'  => 'PostNL',
                'Countrycode'  => 'NL',
                'HouseNr'      => '42',
                'Street'       => 'Siriusdreef',
                'Zipcode'      => '2132WT',
            ]),
        ])
        ->setBarcode($barcode)
        ->setDeliveryAddress('01')
        ->setDimension(new Dimension('2000'))
        ->setProductCodeDelivery('3085'),
    'GraphicFile|PDF',
    false
);
```

This will create a standard shipment (product code 3085). You can access the label (base64 encoded PDF) this way:

```
$pdf = base64_decode($label->getResponseShipments()[0]->getLabels()[0]->
    ->getContent());
```

This function accepts the following arguments:

shipment

Required: True

The `Firstred\PostNL\Entity\Shipment` object. Visit the PostNL API documentation to find out what a `Firstred\PostNL\Entity\Shipment` object consists of. The `Firstred\PostNL\Entity\Shipment` object is based on the SOAP API: <https://developer.postnl.nl/browse-apis/send-and-track/labelling-webservice/documentation-soap/>

printerType

Required: True

Default: GraphicFile|PDF

The list of supported printer types can be found on this page: <https://developer.postnl.nl/browse-apis/send-and-track/labelling-webservice/documentation-soap/>

confirm

Required: False

Default: true

Indicates whether the shipment should immediately be confirmed.

Generate multiple shipment labels

The following example shows how a label can be merged:

```
$shipments = [
    Shipment::create([
        'Addresses' => [
            Address::create([
                'AddressType' => '01',
                'City' => 'Utrecht',
                'Countrycode' => 'NL',
                'FirstName' => 'Peter',
                'HouseNr' => '9',
                'HouseNrExt' => 'a bis',
                'Name' => 'de Ruijter',
                'Street' => 'Bilderdijkstraat',
                'Zipcode' => '3521VA',
            ]),
        ],
        'Barcode' => $barcodes['NL'][0],
        'Dimension' => new Dimension('1000'),
        'ProductCodeDelivery' => '3085',
    ]),
    Shipment::create([
        'Addresses' => [
            Address::create([
                'AddressType' => '01',
                'City' => 'Utrecht',
                'Countrycode' => 'NL',
                'FirstName' => 'Peter',
                'HouseNr' => '9',
                'HouseNrExt' => 'a bis',
                'Name' => 'de Ruijter',
                'Street' => 'Bilderdijkstraat',
                'Zipcode' => '3521VA',
            ]),
        ],
        'Barcode' => $barcodes['NL'][1],
        'Dimension' => new Dimension('1000'),
        'ProductCodeDelivery' => '3085',
    ]),
];
```

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```

];

$label = $postnl->generateLabels(
    $shipments,
    'GraphicFile|PDF', // Printertype (only PDFs can be merged -- no need to use,
    ↳the Merged types)
    true, // Confirm immediately
    true, // Merge
    Label::FORMAT_A4, // Format -- this merges multiple A6 labels onto an A4
    [
        1 => true,
        2 => true,
        3 => true,
        4 => true,
    ] // Positions
);

file_put_contents('labels.pdf', $label);

```

By setting the *merge* flag it will automatically merge the labels into a PDF string.

The function accepts the following arguments:

shipments

Required: True

An array with *Firstred\PostNL\Entity\Shipment* objects. Visit the PostNL API documentation to find out what a *Firstred\PostNL\Entity\Shipment* object consists of. The *Firstred\PostNL\Entity\Shipment* object is based on the SOAP API: <https://developer.postnl.nl/browse-apis/send-and-track/labelling-webservice/documentation-soap/>

printerType

Required: False

Default: GraphicFile|PDF

The list of supported printer types can be found on this page: <https://developer.postnl.nl/browse-apis/send-and-track/labelling-webservice/documentation-soap/>

confirm

Required: False

Default: true

Indicates whether the shipment should immediately be confirmed.

merge

Required: False

Default: false

This will merge the labels and make the function return a pdf string of the merged label.

format

Required: False

Default: Firstred\PostNL\PostNL::FORMAT_A4

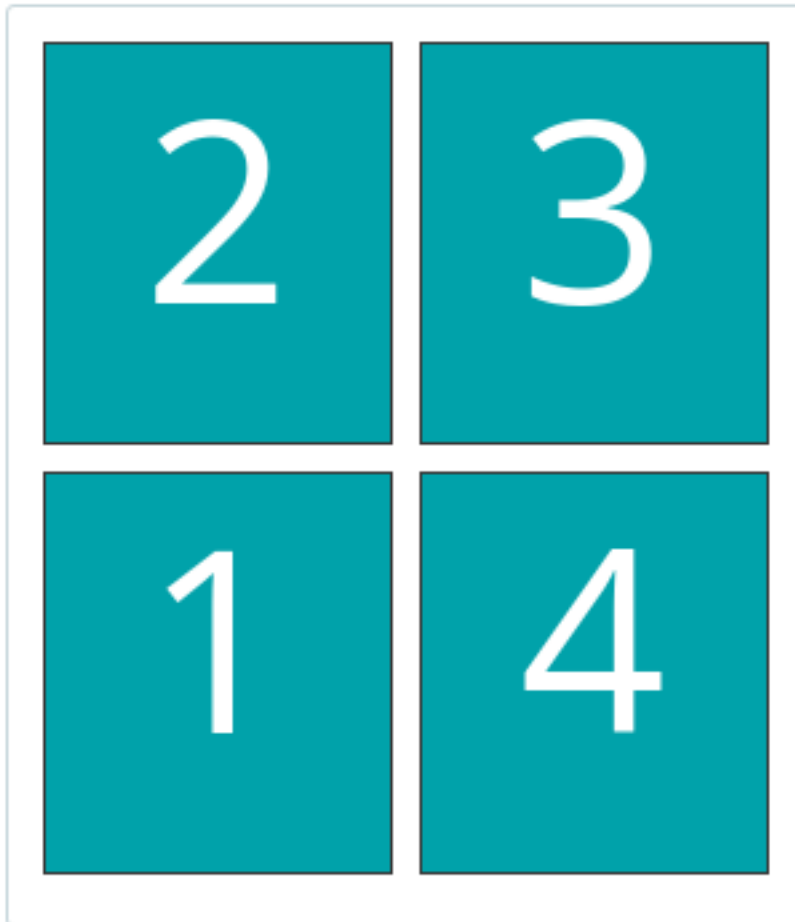
This sets the paper format (can be *Firstred\PostNL\PostNL::FORMAT_A4* or *Firstred\PostNL\PostNL::FORMAT_A6*).

positions

Required: False

Default: [1 => true, 2 => true, 3 => true, 4 => true]

This will set the positions of the labels. The following image shows the available positions, use *true* or *false* to resp. enable or disable a position:



1.6.3 Shipping webservice

Note:

PostNL API documentation for this service:

<https://developer.postnl.nl/browse-apis/send-and-track/shipping-webservice/>

The shipping service combines all the functionality of the labeling, confirming, barcode and easy return service. The service is only available as REST.

Send a single shipment

The following example sends a single domestic shipment:

```
$postnl = new PostNL(...);
$postnl->sendShipment(
    Shipment::create()
        ->setAddresses([
            Address::create([
                'AddressType' => '01',
                'City'        => 'Utrecht',
                'Countrycode' => 'NL',
                'FirstName'   => 'Peter',
                'HouseNr'     => '9',
                'HouseNrExt'  => 'a bis',
                'Name'        => 'de Ruijter',
                'Street'      => 'Bilderdijkstraat',
                'Zipcode'     => '3521VA',
            ]),
            Address::create([
                'AddressType' => '02',
                'City'        => 'Hoofddorp',
                'CompanyName' => 'PostNL',
                'Countrycode' => 'NL',
                'HouseNr'     => '42',
                'Street'      => 'Siriusdreef',
                'Zipcode'     => '2132WT',
            ]),
        ])
        ->setDeliveryAddress('01')
        ->setDimension(new Dimension('2000'))
        ->setProductCodeDelivery('3085'),
    'GraphicFile|PDF',
    false
);
```

This will create a standard shipment (product code 3085). You can access the label (base64 encoded PDF) this way:

```
$pdf = base64_decode($shipping->getResponseShipments()[0]->getLabels()[0]->
    ->getContent());
```

This function accepts the following arguments:

shipment

Required: True

The *Firstred\PostNL\Entity\Shipment* object. Visit the PostNL API documentation to find out what a Shipment object consists of.

printertype

Required: False

Default: GraphicFile|PDF

The list of supported printer types can be found on this page: <https://developer.postnl.nl/browse-apis/send-and-track/shipping-webservice/documentation/>

confirm

Required: False

Default: true

Indicates whether the shipment should immediately be confirmed.

Send multiple shipments

The following example shows how labels of multiple shipment labels can be merged:

```
$shipments = [
    Shipment::create([
        'Addresses' => [
            Address::create([
                'AddressType' => '01',
                'City' => 'Utrecht',
                'Countrycode' => 'NL',
                'FirstName' => 'Peter',
                'HouseNr' => '9',
                'HouseNrExt' => 'a bis',
                'Name' => 'de Ruijter',
                'Street' => 'Bilderdijkstraat',
                'Zipcode' => '3521VA',
            ]),
        ],
        'Dimension' => new Dimension('1000'),
        'ProductCodeDelivery' => '3085',
    ]),
    Shipment::create([
        'Addresses' => [
            Address::create([
                'AddressType' => '01',
                'City' => 'Utrecht',
                'Countrycode' => 'NL',
                'FirstName' => 'Peter',
                'HouseNr' => '9',
                'HouseNrExt' => 'a bis',
                'Name' => 'de Ruijter',
                'Street' => 'Bilderdijkstraat',
                'Zipcode' => '3521VA',
            ]),
        ],
        'Dimension' => new Dimension('1000'),
        'ProductCodeDelivery' => '3085',
    ]),
];

$label = $postnl->generateShippings(
    $shipments,
    'GraphicFile|PDF', // Printertype (only PDFs can be merged -- no need to use_
    ↪the Merged types)
    true, // Confirm immediately
    true, // Merge
    Label::FORMAT_A4, // Format -- this merges multiple A6 labels onto an A4
    [
        1 => true,
        2 => true,
        3 => true,
        4 => true,
    ] // Positions
);

file_put_contents('labels.pdf', $label);
```

By setting the *merge* flag it will automatically merge the labels into a PDF string.

The function accepts the following arguments:

shipments

Required: `True`

An array with `Firstred\Entity\Shipment` objects. Visit the PostNL API documentation to find out what a `Shipment` object consists of.

printertype

Required: `False`

Default: `GraphicFile|PDF`

The list of supported printer types can be found on this page: <https://developer.postnl.nl/browse-apis/send-and-track/shipping-webservice/documentation/>

confirm

Required: `False`

Default: `true`

Indicates whether the shipment should immediately be confirmed.

merge

Required: `False`

Default: `false`

This will merge the labels and make the function return a pdf string of the merged label.

format

Required: `False`

Default: `Firstred\PostNL\PostNL::FORMAT_A4`

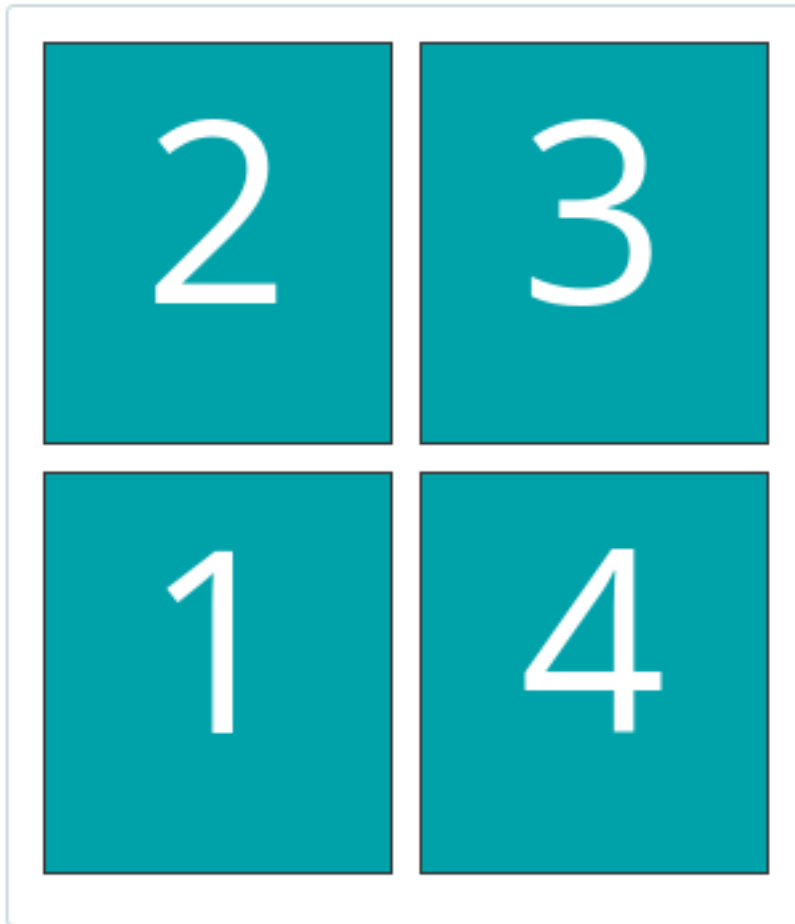
This sets the paper format (can be `Firstred\PostNL\PostNL::FORMAT_A4` or `Firstred\PostNL\PostNL::FORMAT_A6`).

positions

Required: `False`

Default: `[1 => true, 2 => true, 3 => true, 4 => true]`

This will set the positions of the labels. The following image shows the available positions, use `true` or `false` to resp. enable or disable a position:



1.6.4 Confirming webservice

Note:

PostNL API documentation for this service:

<https://developer.postnl.nl/apis/confirming-webservice>

You can confirm shipments that have previously not been confirmed. Shipments can be confirmed after both the *Labelling webservice* or the *Shipping webservice*.

The available methods are `Firstred\PostNL\PostNL::confirmShipment` and `Firstred\PostNL\PostNL::confirmShipments`. The first method accepts a single `Firstred\PostNL\Entity\Shipment` object whereas the latter accepts an array of `:php:class:Firstred\PostNL\Entity\Shipment`'s.

Example code:

```
$postnl = new PostNL(...);

$confirmedShipment = $postnl->confirmShipment(
    (new Shipment())
    ->setAddresses([
        Address::create([
            'AddressType' => '01',
            'City'         => 'Utrecht',
```

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```

        'Countrycode' => 'NL',
        'FirstName'   => 'Peter',
        'HouseNr'     => '9',
        'HouseNrExt'  => 'a bis',
        'Name'        => 'de Ruijter',
        'Street'      => 'Bilderdijkstraat',
        'Zipcode'     => '3521VA',
    ]),
    Address::create([
        'AddressType' => '02',
        'City'        => 'Hoofddorp',
        'CompanyName' => 'PostNL',
        'Countrycode' => 'NL',
        'HouseNr'     => '42',
        'Street'      => 'Siriusdreef',
        'Zipcode'     => '2132WT',
    ]),
    ])
->setBarcode('3SDEVC201611210')
->setDeliveryAddress('01')
->setDimension(new Dimension('2000'))
->setProductCodeDelivery('3085')
);

```

The output is a `Firstred\PostNL\Entity\Response\ConfirmingResponseShipment` or an array with these objects in case you are confirming multiple shipments. The results array will have the same index keys as the request input.

1.6.5 Shippingstatus webservice

Note:

PostNL API documentation for this service:

<https://developer.postnl.nl/apis/shippingstatus-webservice>

This service can be used to retrieve shipping statuses. For a short update request a *current status*, otherwise *complete status* will provide you with a long list containing the shipment's history.

Current or complete shipping status by barcode

Gets the current or complete status by barcode. A complete status also includes the shipment history.

```

$postnl = new PostNL(...);
$postnl->getShippingStatusByBarcode('3SDEVC98237423');

```

barcode

Required: True

The barcode, e.g.: 3SDEVC98237423

complete

Required: False

Return the complete shipping status. This includes the shipment history.

Depending on the complete parameter this returns a *Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment* or a *Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment* object.

Multiple current or complete shipping statuses by barcodes

Gets multiple current or complete statuses by barcodes. A complete status also includes the shipment history.

```
$postnl = new PostNL(...);  
$postnl->getShippingStatusesByBarcodes(['3SDEVC98237423', '3SDEVC98237423']);
```

barcodes

Required: True

The references, e.g.: ['3SDEVC98237423', '3SDEVC98237423']

complete

Required: False

Return the complete shipping status. This includes the shipment history.

Depending on the complete parameter this returns an array with *Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment* or *Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment* objects. The array is an associative array indexed by the given barcodes, e.g.: ['3SDEVC98237423' => *CurrentStatusResponseShipment*, ...].

Current or complete shipping status by reference

Gets the current or complete status by reference. A complete status also includes the shipment history.

```
$postnl = new PostNL(...);  
$postnl->getShippingStatusByReference('order-12');
```

reference

Required: True

The barcode, e.g.: order-12

complete

Required: False

Return the complete shipping status. This includes the shipment history.

Depending on the complete parameter this returns a *Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment* or a *Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment* object.

Multiple current or complete shipping statuses by references

Gets multiple current or complete statuses by references. A complete status also includes the shipment history.

```
$postnl = new PostNL(...);
$postnl->getShippingStatusesByReferences(['order-12', 'order-16']);
```

barcodes

Required: True

The references, e.g.: ['order-12', 'order-16']

complete

Required: False

Return the complete shipping status. This includes the shipment history.

Depending on the complete parameter this returns an array with *Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment* or *Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment* objects. The array is an associative array indexed by the given references, e.g.: ['order-12' => CurrentStatusResponseShipment, ...].

Current status by status code

Warning: This is no longer supported by the PostNL API.

Current status by phase code

Gets the current status by phase code. Note that the date range is required.

Warning: This is no longer supported by the PostNL API

Complete status by status code

Warning: This is no longer supported by the PostNL API.

Complete status by phase code

Warning: This is no longer supported by the PostNL API.

Get a single signature by barcode

Gets the signature of the shipment when available. A signature can be accessed by barcode only.

```
$postnl = new PostNL(...);
$postnl->getSignatureByBarcode('3SDEVC23987423');
```

It accepts the following arguments

barcode

Required: True

The shipment's barcode, e.g. 3SDEVC23987423

This method returns a *Firstred\PostNL\Entity\Response\GetSignatureResponseSignature* object. To get the actual signature in binary format you will have to use:

```
$postnl = new PostNL(...);

$getSignatureResponseSignature = $postnl->getSignatureByBarcode('3SDEVC23987423');
$content = base64_decode($getSignatureResponseSignature->getSignatureImage());

header('Content-Type: image/gif');
echo $content;
exit;
```

Get multiple signatures by barcodes

Gets multiple signatures of multiple shipments, when available.

```
$postnl = new PostNL(...);
$postnl->getSignaturesByBarcodes(['3SDEVC23987423', '3SDEVC23987425']);
```

It accepts the following arguments

barcodes

Required: True

An array of barcodes, e.g. ['3SDEVC23987423', '3SDEVC23987425'].

It returns an array of *Firstred\PostNL\Entity\Response\GetSignatureResponseSignature* objects. To get the image data out of these objects, see *Get a single signature by barcode*.

1.7 Exception handling

The following tree view describes how the exceptions used in this library depend on each other.

```
. \Exception
├── Firstred\PostNL\Exception\PostNLException
│   ├── Firstred\PostNL\Exception\ApiException
│   │   ├── Firstred\PostNL\Exception\ApiConnectionException
│   │   ├── Firstred\PostNL\Exception\CifDownException
│   │   ├── Firstred\PostNL\Exception\CifException
│   │   ├── Firstred\PostNL\Exception\NotFoundException
│   │   ├── Firstred\PostNL\Exception\ResponseException
│   │   └── Firstred\PostNL\Exception\ShipmentNotFoundException
│   └── Firstred\PostNL\Exception\HttpClientException
├── Firstred\PostNL\Exception\InvalidArgumentException
│   ├── Firstred\PostNL\Exception\InvalidBarcodeException
│   ├── Firstred\PostNL\Exception\InvalidConfigurationException
│   ├── Firstred\PostNL\Exception\InvalidMethodException
│   ├── Firstred\PostNL\Exception\NotImplementedException
│   └── Firstred\PostNL\Exception\NotSupportedException
└── Psr\Cache\InvalidArgumentException
```

This library throws exceptions for errors that occur during a request.

- In the event of an API error a `Firstred\PostNL\Exception\ApiException` is thrown

```
use Firstred\PostNL\Exception\ApiException;

try {
    $postnl->getTimeframes(...);
} catch (ApiException $e) {
    // ...
}
```

- A `Firstred\PostNL\Exception\ResponseException` exception is thrown when a response could not be understood by the library.
- All exceptions that occur in underlying HTTP Clients are handled by `Firstred\PostNL\Exception\HttpClientExceptions`.
- Invalid inputs are handled by the `Firstred\PostNL\Exception\InvalidArgumentException` exceptions.
- In case of caching problems due to invalid keys, a `Psr\Cache\InvalidArgumentException` is thrown. This could mean that the library is unable to utilize the configured caching library.

If you want to catch all exceptions thrown by this library be sure to catch both `Firstred\PostNL\Exception\PostNLException`s and `Psr\Cache\InvalidArgumentException`s.

PHP 7.0 or lower

PHP 7.1 or higher

```
use Firstred\PostNL\Exception\PostNLException;
use Psr\Cache\InvalidArgumentException as PsrCacheInvalidArgumentException;

try {
    $postnl->getTimeframes(...);
} catch (PostNLException $e) {
    // ...
} catch (PsrCacheInvalidArgumentException $e) {
    // ...
}
```

```
use Firstred\PostNL\Exception\PostNLException;
use Psr\Cache\InvalidArgumentException as PsrCacheInvalidArgumentException;

try {
    $postnl->getTimeframes(...);
} catch (PostNLException | PsrCacheInvalidArgumentException $e) {
    // ...
}
```

1.8 Formats

The API can be very inconsistent when it comes to returning times and dates, for example. To standardize how some fields are handled, the library uses different formats.

1.8.1 Dates, Times and DateTimes

This library makes a distinction between Dates, Times and DateTimes. To normalize moments in time, this package returns `DateTimeImmutable` objects when referring to a single point in time and uses strings for times.

The following definitions and formats are used:

Dates

Dates refer to a specific moment in time; not specifying the time. Can be formatted as `2020-02-03`. Is always a `DateTimeImmutable` object.

Times

Times refer to a certain moment on any given day. Can be formatted as `12:12:12`. Is always a string and should always be formatted using the following [PHP date format](#): `H:i:s` (Hours, minutes and seconds with leading zeros).

DateTimes

DateTimes are referring to a specific date and time. They can be formatted for example as `2021-02-03 12:12:12`. Is always a `DateTimeImmutable` object.

Note: Every `DateTimeImmutable` object returned by the library is adjusted to the timezone of the PostNL API (Europe/Amsterdam). Make sure your timezone is aligned correctly, or otherwise convert dates and times manually by adding/subtracting the time difference.

You can check your PHP's configured timezone by printing the `date.timezone` setting:

```
die(ini_get('date.timezone'));
```

1.8.2 SOAP object structure

Sometimes you will notice that the REST API documentation might return property names in singular whereas the library returns the plural version of a property. This is caused by the fact that the SOAP API returns most properties in plural format. An example is the shipping status service when requesting the current status of a shipment. The SOAP API would return an `addresses` property whereas REST returns `address`. This is automatically converted to the `Firstred\PostNL\Entity\Shipment::$Addresses` property by this library. Therefore, when in doubt, you can safely assume that plural is used.

1.9 HTTP Client

This library supports almost all available HTTP clients. There are several ways to configure the HTTP client that should be used.

If not passed to the `Firstred\PostNL\PostNL` constructor or set with the `Firstred\PostNL\PostNL::setHttpClient` method, the library will automatically check if HTTP clients are available in the following order:

1. [Guzzle client](#)
2. [HTTPPlug client](#), an [Asynchronous HTTP client](#), PSR-18 HTTP clients
3. Built-in cURL client

1.9.1 Setting the HTTP client manually

By default the library will use cURL or Guzzle when available. You can always switch HTTP clients as follows:

```
$postnl = new PostNL(...);
$postnl->setHttpClient(\Firstred\PostNL\HttpClient\CurlClient::getInstance());
```

You can create a custom HTTP Client by implementing the `\Firstred\PostNL\HttpClient\ClientInterface` interface.

1.9.2 Setting the HTTP client with HTTPPlug

Using auto-discovery with HTTPPlug.

The following packages are required if you want to use HTTPPlug:

```
composer require php-http/discovery php-http/httpplug php-http/message-factory psr/
↳http-factory
```

HTTPPlug + Symfony HTTP Client example

This package already requires a Message factory and HTTP factory implementation (`guzzlehttp/psr7`), so all we need to do is to install the client and its requirements according to the [official Symfony documentation](#):

```
composer require symfony/http-client guzzlehttp/promises
```

If you haven't installed Guzzle itself, this library should now auto-detect the Symfony HTTP Client and use it through the HTTPPlug bridge.

If you have installed Guzzle already, then you can still configure the PostNL library to use the Symfony HTTP Client. To do this, pass the new client to the `Firstred\PostNL\PostNL` constructor or `Firstred\PostNL\PostNL::setHttpClient` method. Example:

```
use Symfony\Component\HttpClient\HttpplugClient;
use Firstred\PostNL\HttpClient\HTTPPlugClient;

$symfonyClient = new HttpplugClient();

$httpPlugBridgeClient = new HTTPPlugClient($symfonyClient);

$postnl = new PostNL($customer, null, $httpClient);
```

Note:

A list of HTTP Client supported by HTTPPlug can be found on the following page:

<https://docs.php-http.org/en/latest/clients.html>

1.10 Caching

PSR-6 caching is supported, which means you can grab any caching library for PHP that you like and plug it right into this library.

Note that not all services can be cached. At the moment cacheable services are:

- Labelling webservice
- Timeframes webservice
- Location webservice

- Deliverydate webservice
- Shippingstatus webservice

To enable caching for a certain service you can use the following:

```
use Cache\Adapter\Filesystem\FilesystemCachePool;
use League\Flysystem\Adapter\Local;
use League\Flysystem\Filesystem;

// Cache in the `/cache` folder relative to this directory
$filesystemAdapter = new Local(__DIR__.'/');
$filesystem = new Filesystem($filesystemAdapter);

$postnl = new PostNL(...);

$labellingService = $postnl->getLabellingService();
$labellingService->cache = new FilesystemCachePool($filesystem);

// Set a TTL of 600 seconds
$labellingService->ttl = 600;

// Using a DateInterval (600 seconds)
$labellingService->ttl = new DateInterval('PT600S');

// Setting a deadline instead, useful for the timeframe service, so you can cache_
↳until the cut-off-time or
// until the next day
$labellingService->ttl = new DateTime('14:00:00');
```

Note: This example used the Flysystem (filesystem) cache. An extensive list of supported caches can be found on [this page](#).

1.11 Logging

Requests and responses can be logged for debugging purposes. In order to enable logging you will need to pass a PSR-3 compatible logger.

```
use League\Flysystem\Adapter\Local;
use League\Flysystem\Filesystem;

use Psr\Log\LogLevel;
use wappsr\Logger;

// Initialize the file system adapter
$logfs = new Filesystem($adapter);

// Set the DEBUG log level
$logger = new Logger($logfs, LogLevel::DEBUG);

// Set the filename format, we're creating one file for every minute of request/
↳responses
$logger->setFilenameFormat('Y-m-d H:i');

// Set this logger for all services at once
$postnl->setLogger($logger);
```

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```
// Set the logger for just the Labelling service
$postnl->getLabellingService()->setLogger($logger);
```

Note: This example used the Wappr logger. You can use any logger you like, as long as it implements the PSR-3 standard. To log all responses the level needs to be set at `DEBUG`. For error responses you can set the debug level to `ERROR`.

1.12 Advanced usage

This section describes more advanced ways to use this library. The main class `Firstred\PostNL\PostNL` and separate service classes (such as `Firstred\PostNL\Service\BarcodeService`) provide more ways to interact with the API.

1.12.1 Object instantiation

There are four ways in which entities can be instantiated. Either by

1. passing all arguments to the constructor in the right order
2. or using named parameters,
3. invoking the *create* method on an entity
4. or by instantiating an empty entity and calling the setters one by one.

Which method to use is entirely up to you. They are all supported by the library.

However, if you use an IDE with code completion then the safest ways to use are (2) using named parameters (PHP 8) or by calling the setters (4), one by one.

Even without using an editor with code completion you might benefit from using methods (2) and (4) since you will be able to detect errors earlier in the process.

1 - Constructor

2 - Constructor named args

3 - Create

4 - Setters

```
// Your PostNL credentials
$customer = new Customer(
    '11223344',
    'DEVC',
    '123456',
    'Sander',
    'test@voorbeeld.nl',
    'Michael',
    new Address(
        '02',
        'PostNL',
        'Siriusdreef',
        '42',
        '2132WT',
        'Hoofddorp',
```

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```
        'NL',
    ),
);
```

```
// Your PostNL credentials
$customer = new Customer(
    CustomerNumber: '11223344',
    CustomerCode: 'DEVC',
    CollectionLocation: '123456',
    ContactPerson: 'Sander',
    Email: 'test@voorbeeld.nl',
    Name: 'Michael',
    Address: new Address(
        AddressType: '02',
        CompanyName: 'PostNL',
        Street: 'Siriusdreef',
        HouseNr: '42',
        Zipcode: '2132WT',
        City: 'Hoofddorp',
        Countrycode: 'NL',
    ),
);
```

```
$customer = Customer::create([
    'CustomerNumber' => '11223344',
    'CustomerCode' => 'DEVC',
    'CollectionLocation' => '123456',
    'ContactPerson' => 'Sander',
    'Email' => 'test@voorbeeld.nl',
    'Name' => 'Michael',
    'Address' => Address::create([
        'AddressType' => '02',
        'CompanyName' => 'PostNL',
        'Street' => 'Siriusdreef',
        'HouseNr' => '42',
        'Zipcode' => '2132WT',
        'City' => 'Hoofddorp',
        'Countrycode' => 'NL',
    ]),
]);
```

```
$customer = (new Customer())
->setCustomerNumber('11223344')
->setCustomerCode('DEVC')
->setCollectionLocation('123456')
->setContactPerson('Sander')
->setEmail('test@voorbeeld.nl')
->setName('Michael')
->setAddress((new Address())
    ->setAddressType('02')
    ->setCompanyName('PostNL')
    ->setStreet('Siriusdreef')
    ->setHouseNr('42')
    ->setZipcode('2132WT')
    ->setCity('Hoofddorp')
    ->setCountrycode('NL')
);
```

1.12.2 Building requests manually

For most cases using the API through the (*Firstred\PostNL\PostNL*) object would be sufficient. There might be times, however, when the main class does not align with your use case. This section aims to describe the process that is involved in creating requests, sending them and processing the responses.

Interacting with the API through this library

In the above-mentioned merged label example we are passing two *Firstred\PostNL\Entity\Shipment* objects, filled with the needed information to generate the labels. To merge those labels manually, we have to set the merge option to *false* and can omit both the *format* and *positions* parameters. This will in turn make the library return *Firstred\PostNL\Entity\Response\GenerateLabelResponse* objects.

These are in line with the *Firstred\PostNL\Entity\Response\GenerateLabelResponse* nodes generated by the SOAP API, even when using the REST API. The main reason for this standardization is that the initial version of this library was built for the SOAP API. If you need a quick reference of the *Firstred\PostNL\Entity\Response\GenerateLabelResponse* object, you can either look up the code of the *GenerateLabelResponse* class or [navigate to the API documentation directly](#).

Sending concurrent requests manually

There is no direct need to manually handle concurrent requests. This library handles most cases automatically and even provides a special function to quickly grab timeframe and location data for frontend delivery options widgets.

In case you manually want to send a custom mix of requests, you can look up the corresponding functions in the Service class of your choice and call the `buildXXXXXXRequest()` functions manually. Thanks to the PSR-7 standard used by this library you can use the *Psr\Http\Message\RequestInterface* object that is returned to access the full request that would otherwise be sent directly. To pick up where you left off you can then grab the response and pass it to one of the `processXXXXXXResponse()` functions of the Service class. The easiest method is to grab the raw HTTP message and parse it with the included PSR-7 library. An example can be found in the [cURL client](#).

Processing Response objects

Note: This section refers to Response objects returned by the library, not the standardized PSR-7 messages.

As soon as you've done your first request with this library, you will find that it returns a Response object. As mentioned in the *Building Requests* section, these Response objects are based on the SOAP API, regardless of the mode set. The properties of a Response object can be looked up in the code, but it can be a bit confusing at times, since the Response object will likely not contain all properties at once. It often depends on the context of the request. For this reason, you're better off by having a look at the [SOAP API documentation](#) directly or by checking out some of the examples in this documentation.

1.13 Reference

\Firstred\PostNL

1.13.1 Namespaces

Entity

\Firstred\PostNL\Entity

Namespaces

Message

\Firstred\PostNL\Entity\Message

Classes

LabellingMessage

```
class Firstred\PostNL\Entity\Message\LabellingMessage
```

Class LabellingMessage.

Parent *Firstred\PostNL\Entity\Message\Message*

Summary

Methods

- *public __construct(\$Printertype, \$MessageID, \$MessageTimeStamp)*

Properties

```
public property Firstred\PostNL\Entity\Message\LabellingMessage::$defaultProperties
```

Type string[][]

```
protected static property Firstred\PostNL\Entity\Message\LabellingMessage::$Printertype
```

Type string | null

Methods

```
public Firstred\PostNL\Entity\Message\LabellingMessage::__construct ($Printertype='\GraphicFile\',  
                                                                    $Mes-  
                                                                    sageID=null,  
                                                                    $Mes-  
                                                                    sage-  
                                                                    TimeS-  
                                                                    tamp=null)
```

LabellingMessage constructor.

Parameters

- **\$Printertype** (string | null)

- **\$MessageID** (string | null)
- **\$MessageTimeStamp** (string | \DateTimeInterface | null)

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Message

class Firstred\PostNL\Entity\Message**Message**

Class Message.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$MessageID, \$MessageTimeStamp)*
- *public setMessageTimeStamp(\$MessageTimeStamp)*

Properties

public property Firstred\PostNL\Entity\Message\Message::\$**defaultProperties**

Type string[][]

protected static property Firstred\PostNL\Entity\Message\Message::\$**MessageID**

Type string | null

protected static property Firstred\PostNL\Entity\Message\Message::\$**MessageTimeStamp**

Type string | null

Methods

public Firstred\PostNL\Entity\Message\Message::__**construct** (*\$MessageID=null,*
\$MessageTimeS-
tamp=null)

Parameters

- **\$MessageID** (string | null)
- **\$MessageTimeStamp** (string | \DateTimeInterface | null)

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

public Firstred\PostNL\Entity\Message\Message:::**setMessageTimeStamp** (*\$MessageTimeStamp=null*)

Parameters

- **\$MessageTimeStamp** (string | \DateTimeInterface | null)

Returns static

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.2.0

Request

\Firstred\PostNL\Entity\Request

Classes

GetLocation

```
class Firstred\PostNL\Entity\Request\GetLocation
```

Class GetLocation.

This class is both the container and can be the actual GetLocation object itself!

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$LocationCode, \$Message, \$RetailNetworkID)*

Properties

```
public property Firstred\PostNL\Entity\Request\GetLocation::$defaultProperties
```

Default properties and namespaces for the SOAP API.

Type array

```
protected static property Firstred\PostNL\Entity\Request\GetLocation::$LocationCode
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Request\GetLocation::$Message
```

Type *\Firstred\PostNL\Entity\Message\Message* | null

```
protected static property Firstred\PostNL\Entity\Request\GetLocation::$RetailNetworkID
```

Type string | null

Methods

```
public Firstred\PostNL\Entity\Request\GetLocation::__construct ($LocationCode=null,  
                                                                    $Mes-  
                                                                    sage=null,  
                                                                    $RetailNet-  
                                                                    workID=null)
```

GetLocation constructor.

Parameters

- **\$LocationCode** (string | null)
- **\$Message** (*Firstred\PostNL\Entity\Message\Message* | null)
- **\$RetailNetworkID** (string | null)

CompleteStatusByStatus

```
class Firstred\PostNL\Entity\Request\CompleteStatusByStatus
```

Class CompleteStatusByStatus.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$Shipment, \$Customer, \$Message)*
- *public xmlSerialize(\$writer)*

Properties

```
public property Firstred\PostNL\Entity\Request\CompleteStatusByStatus::$defaultProperties
```

Default properties and namespaces for the SOAP API.

Type array

```
protected static property Firstred\PostNL\Entity\Request\CompleteStatusByStatus::$Message
```

Type *\Firstred\PostNL\Entity\Message\Message* | null

```
protected static property Firstred\PostNL\Entity\Request\CompleteStatusByStatus::$Customer
```

Type *\Firstred\PostNL\Entity\Customer* | null

```
protected static property Firstred\PostNL\Entity\Request\CompleteStatusByStatus::$Shipment
```

Type *\Firstred\PostNL\Entity\Shipment* | null

Methods

```
public Firstred\PostNL\Entity\Request\CompleteStatusByStatus::__construct ($Shipment=null,
                                                                              $Customer=null,
                                                                              $Message=null)
```

CompleteStatusByStatus constructor.

Parameters

- **\$Shipment** (*Firstred\PostNL\Entity\Shipment* | null)
- **\$Customer** (*Firstred\PostNL\Entity\Customer* | null)
- **\$Message** (*Firstred\PostNL\Entity\Message\Message* | null)

```
public Firstred\PostNL\Entity\Request\CompleteStatusByStatus::xmlSerialize($writer)
```

Return a serializable array for the XMLWriter.

Parameters

- **\$writer** (Sabre\Xml\Writer)

Returns void

GetSignature

```
class Firstred\PostNL\Entity\Request\GetSignature
```

Class GetSignature.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$Shipment, \$Customer, \$Message)*
- *public xmlSerialize(\$writer)*

Properties

```
public property Firstred\PostNL\Entity\Request\GetSignature::$defaultProperties
```

Default properties and namespaces for the SOAP API.

Type array

```
protected static property Firstred\PostNL\Entity\Request\GetSignature::$Message
```

Type *\Firstred\PostNL\Entity\Message\Message* | null

```
protected static property Firstred\PostNL\Entity\Request\GetSignature::$Customer
```

Type *\Firstred\PostNL\Entity\Customer* | null

```
protected static property Firstred\PostNL\Entity\Request\GetSignature::$Shipment
```

Type *\Firstred\PostNL\Entity\Shipment* | null

Methods

```
public Firstred\PostNL\Entity\Request\GetSignature::__construct ($Shipment=null,  
                                                                $Cus-  
                                                                tomer=null,  
                                                                $Mes-  
                                                                sage=null)
```

GetSignature constructor.

Parameters

- **\$Shipment** (*Firstred\PostNL\Entity\Shipment* | null)
- **\$Customer** (*Firstred\PostNL\Entity\Customer* | null)
- **\$Message** (*Firstred\PostNL\Entity\Message\Message* | null)

```
public Firstred\PostNL\Entity\Request\GetSignature::xmlSerialize ($writer)
```

Return a serializable array for the XMLWriter.

Parameters

- **\$writer** (Sabre\Xml\Writer)

Returns void

GetSentDate

```
class Firstred\PostNL\Entity\Request\GetSentDate
```

Class GetSentDate.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct (\$AllowSundaySorting, \$City, \$CountryCode, \$HouseNr, \$HouseNrExt, \$Options, \$PostalCode, \$DeliveryDate, \$Street, \$ShippingDuration)*
- *public setDeliveryDate (\$deliveryDate)*
- *public setPostalCode (\$postcode)*
- *public xmlSerialize (\$writer)*

Properties

public property Firstred\PostNL\Entity\Request\GetSentDate::\$defaultProperties

Default properties and namespaces for the SOAP API.

Type array

protected static property Firstred\PostNL\Entity\Request\GetSentDate::\$AllowSundaySortin

Type bool | null

protected static property Firstred\PostNL\Entity\Request\GetSentDate::\$City

Type string | null

protected static property Firstred\PostNL\Entity\Request\GetSentDate::\$CountryCode

Type string | null

protected static property Firstred\PostNL\Entity\Request\GetSentDate::\$DeliveryDate

Type \DateTimeInterface | null

protected static property Firstred\PostNL\Entity\Request\GetSentDate::\$HouseNr

Type string | null

protected static property Firstred\PostNL\Entity\Request\GetSentDate::\$HouseNrExt

Type string | null

protected static property Firstred\PostNL\Entity\Request\GetSentDate::\$Options

Type string[] | null

protected static property Firstred\PostNL\Entity\Request\GetSentDate::\$PostalCode

Type string | null

protected static property Firstred\PostNL\Entity\Request\GetSentDate::\$ShippingDuration

Type string | null

protected static property Firstred\PostNL\Entity\Request\GetSentDate::\$Street

Type string | null

Methods

```
public Firstred\PostNL\Entity\Request\GetSentDate::__construct ($AllowSundaySorting=false,  
                                                                $City=null,  
                                                                $Coun-  
                                                                tryCode=null,  
                                                                $HouseNr=null,  
                                                                $HouseN-  
                                                                rExt=null,  
                                                                $Op-  
                                                                tions=null,  
                                                                $Postal-  
                                                                Code=null,  
                                                                $Delivery-  
                                                                Date=null,  
                                                                $Street=null,  
                                                                $Shipping-  
                                                                Dura-  
                                                                tion=null)
```

GetSentDate constructor.

Parameters

- **\$AllowSundaySorting** (bool | null)
- **\$City** (string | null)
- **\$CountryCode** (string | null)
- **\$HouseNr** (string | null)
- **\$HouseNrExt** (string | null)
- **\$Options** (array | null)
- **\$PostalCode** (string | null)
- **\$DeliveryDate** (DateTimeInterface | string | null)
- **\$Street** (string | null)
- **\$ShippingDuration** (string | null)

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

```
public Firstred\PostNL\Entity\Request\GetSentDate::setDeliveryDate ($deliveryDate=null)
```

Parameters

- **\$deliveryDate** (string | \DateTimeInterface | null)

Returns static

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.2.0

```
public Firstred\PostNL\Entity\Request\GetSentDate::setPostalCode ($postcode=null)
```

Set the postcode.

Parameters

- **\$postcode** (string | null)

Returns static

```
public Firstred\PostNL\Entity\Request\GetSentDate::xmlSerialize($writer)
```

Return a serializable array for the XMLWriter.

Parameters

- **\$writer** (Sabre\Xml\Writer)

Returns void

GetLocationsInArea

```
class Firstred\PostNL\Entity\Request\GetLocationsInArea
```

Class GetLocationsInArea.

This class is both the container and can be the actual GetLocationsInArea object itself!

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$Countrycode, \$Location, \$Message)*

Properties

```
public property Firstred\PostNL\Entity\Request\GetLocationsInArea::$defaultProperties
```

Default properties and namespaces for the SOAP API.

Type array

```
protected static property Firstred\PostNL\Entity\Request\GetLocationsInArea::$Countrycode
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Request\GetLocationsInArea::$Location
```

Type *\Firstred\PostNL\Entity\Location* | null

```
protected static property Firstred\PostNL\Entity\Request\GetLocationsInArea::$Message
```

Type *\Firstred\PostNL\Entity\Message\Message* | null

Methods

```
public Firstred\PostNL\Entity\Request\GetLocationsInArea::__construct ($Countrycode=null,  
                                                                    $Lo-  
                                                                    ca-  
                                                                    tion=null,  
                                                                    $Mes-  
                                                                    sage=null)
```

GetLocationsInArea constructor.

Parameters

- **\$Countrycode** (string | null)
- **\$Location** (*Firstred\PostNL\Entity\Location* | null)
- **\$Message** (*Firstred\PostNL\Entity\Message\Message* | null)

CurrentStatusByPhase

```
class Firstred\PostNL\Entity\Request\CurrentStatusByPhase
```

Class CurrentStatusByPhase.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public* `__construct($Shipment, $Customer, $Message)`
- *public* `xmlSerialize($writer)`

Properties

```
public property Firstred\PostNL\Entity\Request\CurrentStatusByPhase::$defaultProperties
```

Default properties and namespaces for the SOAP API.

Type array

```
protected static property Firstred\PostNL\Entity\Request\CurrentStatusByPhase::$Message  
Type \Firstred\PostNL\Entity\Message\Message | null
```

```
protected static property Firstred\PostNL\Entity\Request\CurrentStatusByPhase::$Customer  
Type \Firstred\PostNL\Entity\Customer | null
```

```
protected static property Firstred\PostNL\Entity\Request\CurrentStatusByPhase::$Shipment  
Type \Firstred\PostNL\Entity\Shipment | null
```

Methods

```
public Firstred\PostNL\Entity\Request\CurrentStatusByPhase::__construct ($Shipment=null,  
                                                                           $Cus-  
                                                                           tomer=null,  
                                                                           $Mes-  
                                                                           sage=null)
```

CurrentStatusByPhase constructor.

Parameters

- **\$Shipment** (*Firstred\PostNL\Entity\Shipment* | null)
- **\$Customer** (*Firstred\PostNL\Entity\Customer* | null)
- **\$Message** (*Firstred\PostNL\Entity\Message\Message* | null)

```
public Firstred\PostNL\Entity\Request\CurrentStatusByPhase::xmlSerialize ($writer)
```

Return a serializable array for the XMLWriter.

Parameters

- **\$writer** (Sabre\Xml\Writer)

Returns void

CurrentStatusByStatus

```
class Firstred\PostNL\Entity\Request\CurrentStatusByStatus
```

Class CurrentStatusByStatus.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct (\$Shipment, \$Customer, \$Message)*
- *public xmlSerialize (\$writer)*

Properties

```
public property Firstred\PostNL\Entity\Request\CurrentStatusByStatus::$defaultProperties
```

Default properties and namespaces for the SOAP API.

Type array

```
protected static property Firstred\PostNL\Entity\Request\CurrentStatusByStatus::$Message
```

Type *\Firstred\PostNL\Entity\Message\Message* | null

```
protected static property Firstred\PostNL\Entity\Request\CurrentStatusByStatus::$Customer
```

Type `\Firstred\PostNL\Entity\Customer` | null

protected static property `Firstred\PostNL\Entity\Request\CurrentStatusByStatus::$Shipmer`

Type `\Firstred\PostNL\Entity\Shipment` | null

Methods

```
public Firstred\PostNL\Entity\Request\CurrentStatusByStatus::__construct ($Shipment=null,
                                                                    $Cus-
                                                                    tomer=null,
                                                                    $Mes-
                                                                    sage=null)
```

CurrentStatusByStatus constructor.

Parameters

- **\$Shipment** (`Firstred\PostNL\Entity\Shipment` | null)
- **\$Customer** (`Firstred\PostNL\Entity\Customer` | null)
- **\$Message** (`Firstred\PostNL\Entity\Message\Message` | null)

```
public Firstred\PostNL\Entity\Request\CurrentStatusByStatus::xmlSerialize ($writer)
```

Return a serializable array for the XMLWriter.

Parameters

- **\$writer** (`Sabre\Xml\Writer`)

Returns void

GetNearestLocations

```
class Firstred\PostNL\Entity\Request\GetNearestLocations
```

Class GetNearestLocations.

This class is both the container and can be the actual GetNearestLocations object itself!

Parent `Firstred\PostNL\Entity\AbstractEntity`

Summary

Methods

- `public __construct ($Countrycode, $Location, $Message)`

Properties

public property Firstred\PostNL\Entity\Request\GetNearestLocations::\$defaultProperties

Default properties and namespaces for the SOAP API.

Type array

protected static property Firstred\PostNL\Entity\Request\GetNearestLocations::\$Countrycode

Type string | null

protected static property Firstred\PostNL\Entity\Request\GetNearestLocations::\$Location

Type \Firstred\PostNL\Entity\Location | null

protected static property Firstred\PostNL\Entity\Request\GetNearestLocations::\$Message

Type \Firstred\PostNL\Entity\Message\Message | null

Methods

```
public Firstred\PostNL\Entity\Request\GetNearestLocations::__construct ($Countrycode=null,  
                                $Location=null,  
                                $Message=null)
```

GetNearestLocations constructor.

Parameters

- **\$Countrycode** (string | null)
- **\$Location** (*Firstred\PostNL\Entity\Location* | null)
- **\$Message** (*Firstred\PostNL\Entity\Message\Message* | null)

CompleteStatusByReference

class Firstred\PostNL\Entity\Request\CompleteStatusByReference

Class CompleteStatusByReference.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct (\$Shipment, \$Customer, \$Message)*
- *public xmlSerialize (\$writer)*

Properties

public property Firstred\PostNL\Entity\Request\CompleteStatusByReference::\$defaultProperties

Default properties and namespaces for the SOAP API.

Type array

protected static property Firstred\PostNL\Entity\Request\CompleteStatusByReference::\$Message

Type \Firstred\PostNL\Entity\Message\Message | null

protected static property Firstred\PostNL\Entity\Request\CompleteStatusByReference::\$Customer

Type \Firstred\PostNL\Entity\Customer | null

protected static property Firstred\PostNL\Entity\Request\CompleteStatusByReference::\$Shipment

Type \Firstred\PostNL\Entity\Shipment | null

Methods

public Firstred\PostNL\Entity\Request\CompleteStatusByReference::__construct (\$Shipment=null, \$Customer=null, \$Message=null)

CompleteStatusByReference constructor.

Parameters

- **\$Shipment** (*Firstred\PostNL\Entity\Shipment* | null)
- **\$Customer** (*Firstred\PostNL\Entity\Customer* | null)
- **\$Message** (*Firstred\PostNL\Entity\Message\Message* | null)

public Firstred\PostNL\Entity\Request\CompleteStatusByReference::xmlSerialize (\$writer)

Return a serializable array for the XMLWriter.

Parameters

- **\$writer** (Sabre\Xml\Writer)

Returns void

CompleteStatus

class Firstred\PostNL\Entity\Request\CompleteStatus

Class CompleteStatus.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- `public __construct($Shipment, $Customer, $Message)`
- `public xmlSerialize($writer)`

Properties

public property Firstred\PostNL\Entity\Request\CompleteStatus::\$defaultProperties

Default properties and namespaces for the SOAP API.

Type array

protected static property Firstred\PostNL\Entity\Request\CompleteStatus::\$Message

Type \Firstred\PostNL\Entity\Message\Message | null

protected static property Firstred\PostNL\Entity\Request\CompleteStatus::\$Customer

Type \Firstred\PostNL\Entity\Customer | null

protected static property Firstred\PostNL\Entity\Request\CompleteStatus::\$Shipment

Type \Firstred\PostNL\Entity\Shipment | null

Methods

public Firstred\PostNL\Entity\Request\CompleteStatus::__construct (\$Shipment=null,
\$Customer=null,
\$Message=null)

CompleteStatus constructor.

Parameters

- **\$Shipment** (*Firstred\PostNL\Entity\Shipment* | null)
- **\$Customer** (*Firstred\PostNL\Entity\Customer* | null)
- **\$Message** (*Firstred\PostNL\Entity\Message\Message* | null)

public Firstred\PostNL\Entity\Request\CompleteStatus::xmlSerialize (\$writer)

Return a serializable array for the XMLWriter.

Parameters

- **\$writer** (*Sabre\Xml\Writer*)

Returns void

GetTimeframes

```
class Firstred\PostNL\Entity\Request\GetTimeframes
```

Class GetTimeframes.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$Message, \$Timeframes)*
- *public setTimeframe(\$timeframes)*
- *public setTimeframes(\$timeframes)*
- *public getTimeframe()*
- *public getTimeframes()*
- *public xmlSerialize(\$writer)*

Properties

```
public property Firstred\PostNL\Entity\Request\GetTimeframes::$defaultProperties
```

Default properties and namespaces for the SOAP API.

Type array

```
protected static property Firstred\PostNL\Entity\Request\GetTimeframes::$Message
```

Type *\Firstred\PostNL\Entity\Message\Message* | null

```
protected static property Firstred\PostNL\Entity\Request\GetTimeframes::$Timeframe
```

Type *\Firstred\PostNL\Entity\Timeframe[]* | null

Methods

```
public Firstred\PostNL\Entity\Request\GetTimeframes::__construct ($Message=null,  
                                                                $Time-  
                                                                frames=null)
```

GetTimeframes constructor.

Parameters

- **\$Message** (*Firstred\PostNL\Entity\Message\Message* | null)
- **\$Timeframes** (*Firstred\PostNL\Entity\Timeframe[]* | null)

```
public Firstred\PostNL\Entity\Request\GetTimeframes::setTimeframe ($timeframes)
```

Set timeframes

Parameters

- **\$timeframes** (*Firstred\PostNL\Entity\Timeframe* | *\Firstred\PostNL\Entity\Timeframe[]* | null)

Returns \$this

Since 1.0.0

Since 1.0.0

```
public Firstred\PostNL\Entity\Request\GetTimeframes::setTimeframes ($timeframes)
```

Set timeframes

Parameters

- **\$timeframes** (*Firstred\PostNL\Entity\Timeframe* | *\Firstred\PostNL\Entity\Timeframe[]* | null)

Returns \$this

Since 1.2.0

```
public Firstred\PostNL\Entity\Request\GetTimeframes::getTimeframe ()
```

Get timeframes

Returns *\Firstred\PostNL\Entity\Timeframe[]* | null

```
public Firstred\PostNL\Entity\Request\GetTimeframes::getTimeframes ()
```

Get timeframes

Returns *\Firstred\PostNL\Entity\Timeframe[]* | null

Since 1.2.0

```
public Firstred\PostNL\Entity\Request\GetTimeframes::xmlSerialize ($writer)
```

Return a serializable array for the XMLWriter.

Parameters

- **\$writer** (Sabre\Xml\Writer)

Returns void

CurrentStatusByReference

```
class Firstred\PostNL\Entity\Request\CurrentStatusByReference
```

Class CurrentStatusByReference.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- `public __construct($Shipment, $Customer, $Message)`
- `public xmlSerialize($writer)`

Properties

public property Firstred\PostNL\Entity\Request\CurrentStatusByReference::\$defaultProperties

Default properties and namespaces for the SOAP API.

Type array

protected static property Firstred\PostNL\Entity\Request\CurrentStatusByReference::\$message

Type \Firstred\PostNL\Entity\Message\Message | null

protected static property Firstred\PostNL\Entity\Request\CurrentStatusByReference::\$customer

Type \Firstred\PostNL\Entity\Customer | null

protected static property Firstred\PostNL\Entity\Request\CurrentStatusByReference::\$shipment

Type \Firstred\PostNL\Entity\Shipment | null

Methods

public Firstred\PostNL\Entity\Request\CurrentStatusByReference::__construct (\$Shipment=null, \$Customer=null, \$Message=null)

CurrentStatusByReference constructor.

Parameters

- **\$Shipment** (`Firstred\PostNL\Entity\Shipment` | null)
- **\$Customer** (`Firstred\PostNL\Entity\Customer` | null)
- **\$Message** (`Firstred\PostNL\Entity\Message\Message` | null)

public Firstred\PostNL\Entity\Request\CurrentStatusByReference::xmlSerialize (\$writer)

Return a serializable array for the XMLWriter.

Parameters

- **\$writer** (`Sabre\Xml\Writer`)

Returns void

GenerateBarcode

class Firstred\PostNL\Entity\Request\GenerateBarcode

Class GenerateLabel.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$Barcode, \$Customer, \$Message)*

Properties

public property Firstred\PostNL\Entity\Request\GenerateBarcode::\$defaultProperties

Default properties and namespaces for the SOAP API.

Type array

protected static property Firstred\PostNL\Entity\Request\GenerateBarcode::\$Message

Type *\Firstred\PostNL\Entity\Message\Message* | null

protected static property Firstred\PostNL\Entity\Request\GenerateBarcode::\$Customer

Type *\Firstred\PostNL\Entity\Customer* | null

protected static property Firstred\PostNL\Entity\Request\GenerateBarcode::\$Barcode

Type *\Firstred\PostNL\Entity\Barcode* | null

Methods

public Firstred\PostNL\Entity\Request\GenerateBarcode::__construct (*\$Barcode=null*,
\$Customer=null,
\$Message=null)

GenerateBarcode constructor.

Parameters

- **\$Barcode** (*Firstred\PostNL\Entity\Barcode* | null)
- **\$Customer** (*Firstred\PostNL\Entity\Customer* | null)
- **\$Message** (*Firstred\PostNL\Entity\Message\Message* | null)

CurrentStatus

```
class Firstred\PostNL\Entity\Request\CurrentStatus
```

Class CurrentStatus.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$Shipment, \$Customer, \$Message)*
- *public xmlSerialize(\$writer)*

Properties

```
public property Firstred\PostNL\Entity\Request\CurrentStatus::$defaultProperties
```

Default properties and namespaces for the SOAP API.

Type array

```
protected static property Firstred\PostNL\Entity\Request\CurrentStatus::$Message
```

Type *\Firstred\PostNL\Entity\Message\Message* | null

```
protected static property Firstred\PostNL\Entity\Request\CurrentStatus::$Customer
```

Type *\Firstred\PostNL\Entity\Customer* | null

```
protected static property Firstred\PostNL\Entity\Request\CurrentStatus::$Shipment
```

Type *\Firstred\PostNL\Entity\Shipment* | null

Methods

```
public Firstred\PostNL\Entity\Request\CurrentStatus::__construct ($Shipment=null,  
                                                                $Customer=null,  
                                                                $Message=null)
```

CurrentStatus constructor.

Parameters

- **\$Shipment** (*Firstred\PostNL\Entity\Shipment* | null)
- **\$Customer** (*Firstred\PostNL\Entity\Customer* | null)
- **\$Message** (*Firstred\PostNL\Entity\Message\Message* | null)

```
public Firstred\PostNL\Entity\Request\CurrentStatus::xmlSerialize ($writer)
```

Return a serializable array for the XMLWriter.

Parameters

- **\$writer** (*Sabre\Xml\Writer*)

Returns void

CompleteStatusByPhase

```
class Firstred\PostNL\Entity\Request\CompleteStatusByPhase
```

Class CompleteStatusByPhase.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary**Methods**

- *public __construct(\$Shipment, \$Customer, \$Message)*
- *public xmlSerialize(\$writer)*

Properties

```
public property Firstred\PostNL\Entity\Request\CompleteStatusByPhase::$defaultProperties
```

Default properties and namespaces for the SOAP API.

Type array

```
protected static property Firstred\PostNL\Entity\Request\CompleteStatusByPhase::$Message
```

Type *\Firstred\PostNL\Entity\Message\Message* | null

```
protected static property Firstred\PostNL\Entity\Request\CompleteStatusByPhase::$Customer
```

Type *\Firstred\PostNL\Entity\Customer* | null

```
protected static property Firstred\PostNL\Entity\Request\CompleteStatusByPhase::$Shipment
```

Type *\Firstred\PostNL\Entity\Shipment* | null

Methods

```
public Firstred\PostNL\Entity\Request\CompleteStatusByPhase::__construct ($Shipment=null,  
                                                                           $Cus-  
                                                                           tomer=null,  
                                                                           $Mes-  
                                                                           sage=null)
```

CompleteStatusByPhase constructor.

Parameters

- **\$Shipment** (*Firstred\PostNL\Entity\Shipment* | null)
- **\$Customer** (*Firstred\PostNL\Entity\Customer* | null)
- **\$Message** (*Firstred\PostNL\Entity\Message\Message* | null)

```
public Firstred\PostNL\Entity\Request\CompleteStatusByPhase::xmlSerialize($writer)
```

Return a serializable array for the XMLWriter.

Parameters

- **\$writer** (Sabre\Xml\Writer)

Returns void

GenerateLabel

```
class Firstred\PostNL\Entity\Request\GenerateLabel
```

Class GenerateLabel.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$Shipments, \$Message, \$Customer)*
- *public jsonSerialize()*
- *public xmlSerialize(\$writer)*

Properties

```
public property Firstred\PostNL\Entity\Request\GenerateLabel::$defaultProperties
```

Default properties and namespaces for the SOAP API.

Type array

```
protected static property Firstred\PostNL\Entity\Request\GenerateLabel::$Customer
```

Type *\Firstred\PostNL\Entity\Customer* | null

```
protected static property Firstred\PostNL\Entity\Request\GenerateLabel::$Message
```

Type *\Firstred\PostNL\Entity\Message\LabellingMessage* | null

```
protected static property Firstred\PostNL\Entity\Request\GenerateLabel::$Shipments
```

Type *\Firstred\PostNL\Entity\Shipment[]* | null

Methods

```
public Firstred\PostNL\Entity\Request\GenerateLabel::__construct ($Shipments=null,  
                                                                    $Mes-  
                                                                    sage=null,  
                                                                    $Cus-  
                                                                    tomer=null)
```

GenerateLabel constructor.

Parameters

- **\$Shipments** (*Firstred\PostNL\Entity\Shipment[]* | null)
- **\$Message** (*Firstred\PostNL\Entity\Message\LabellingMessage* | null)
- **\$Customer** (*Firstred\PostNL\Entity\Customer* | null)

```
public Firstred\PostNL\Entity\Request\GenerateLabel::jsonSerialize ()
```

Return a serializable array for `json_encode`.

Returns array

```
public Firstred\PostNL\Entity\Request\GenerateLabel::xmlSerialize ($writer)
```

Return a serializable array for the XMLWriter.

Parameters

- **\$writer** (Sabre\Xml\Writer)

Returns void

SendShipment

```
class Firstred\PostNL\Entity\Request\SendShipment
```

Class SendShipment.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct (\$Shipments, \$Message, \$Customer)*
- *public jsonSerialize ()*

Properties

```

public property Firstred\PostNL\Entity\Request\SendShipment::$defaultProperties
    Type array
protected static property Firstred\PostNL\Entity\Request\SendShipment::$Customer
    Type \Firstred\PostNL\Entity\Customer | null
protected static property Firstred\PostNL\Entity\Request\SendShipment::$Message
    Type \Firstred\PostNL\Entity\Message\LabellingMessage | null
protected static property Firstred\PostNL\Entity\Request\SendShipment::$Shipments
    Type \Firstred\PostNL\Entity\Shipment[] | null

```

Methods

```

public Firstred\PostNL\Entity\Request\SendShipment::__construct ($Shipments=null,
                                                                $Mes-
                                                                sage=null,
                                                                $Cus-
                                                                tomer=null)

```

SendShipment constructor.

Parameters

- **\$Shipments** (*Firstred\PostNL\Entity\Shipment[] | null*)
- **\$Message** (*Firstred\PostNL\Entity\Message\LabellingMessage | null*)
- **\$Customer** (*Firstred\PostNL\Entity\Customer | null*)

```

public Firstred\PostNL\Entity\Request\SendShipment::jsonSerialize()

```

Return a serializable array for `json_encode`.

Returns array

Confirming

```

class Firstred\PostNL\Entity\Request\Confirming

```

Class Confirming.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- `public __construct($Shipments, $Customer, $Message)`
- `public xmlSerialize($writer)`
- `public jsonSerialize()`

Properties

public property Firstred\PostNL\Entity\Request\Confirming::\$defaultProperties

Default properties and namespaces for the SOAP API.

Type array

protected static property Firstred\PostNL\Entity\Request\Confirming::\$Customer

Type \Firstred\PostNL\Entity\Customer | null

protected static property Firstred\PostNL\Entity\Request\Confirming::\$Message

Type \Firstred\PostNL\Entity\Message\Message | null

protected static property Firstred\PostNL\Entity\Request\Confirming::\$Shipments

Type \Firstred\PostNL\Entity\Shipment[] | null

Methods

public Firstred\PostNL\Entity\Request\Confirming::__construct (*\$Shipments=null,*
\$Customer=null,
\$Message=null)

Confirming constructor.

Parameters

- **\$Shipments** (*Firstred\PostNL\Entity\Shipment[] | null*)
- **\$Customer** (*Firstred\PostNL\Entity\Customer | null*)
- **\$Message** (*Firstred\PostNL\Entity\Message\Message | null*)

public Firstred\PostNL\Entity\Request\Confirming::xmlSerialize (*\$writer*)

Return a serializable array for the XMLWriter.

Parameters

- **\$writer** (*Sabre\Xml\Writer*)

Returns void

public Firstred\PostNL\Entity\Request\Confirming::jsonSerialize ()

Return a serializable array for ``json_encode``.

Returns array

GetDeliveryDate

```
class Firstred\PostNL\Entity\Request\GetDeliveryDate
```

Class GetDeliveryDate.

This class is both the container and can be the actual GetDeliveryDate object itself!

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$AllowSundaySorting, \$City, \$CountryCode, \$CutOffTimes, \$HouseNr, \$HouseNrExt, \$Options, \$OriginCountryCode, \$PostalCode, \$ShippingDate, \$ShippingDuration, \$Street, \$GetDeliveryDate, \$Message)*
- *public setShippingDate(\$shippingDate)*
- *public setPostalCode(\$postcode)*
- *public xmlSerialize(\$writer)*

Properties

```
public property Firstred\PostNL\Entity\Request\GetDeliveryDate::$defaultProperties
```

Default properties and namespaces for the SOAP API.

Type array

```
protected static property Firstred\PostNL\Entity\Request\GetDeliveryDate::$AllowSundaySorting
```

Type bool | null

```
protected static property Firstred\PostNL\Entity\Request\GetDeliveryDate::$City
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Request\GetDeliveryDate::$CountryCode
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Request\GetDeliveryDate::$CutOffTimes
```

Type *\Firstred\PostNL\Entity\CutOffTime[]* | null

```
protected static property Firstred\PostNL\Entity\Request\GetDeliveryDate::$HouseNr
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Request\GetDeliveryDate::$HouseNrExt
```

```

        Type string | null
protected static property Firstred\PostNL\Entity\Request\GetDeliveryDate::$Options
        Type string[] | null
protected static property Firstred\PostNL\Entity\Request\GetDeliveryDate::$OriginCountry
        Type string | null
protected static property Firstred\PostNL\Entity\Request\GetDeliveryDate::$PostalCode
        Type string | null
protected static property Firstred\PostNL\Entity\Request\GetDeliveryDate::$ShippingDate
        Type \DateTimeInterface | null
protected static property Firstred\PostNL\Entity\Request\GetDeliveryDate::$ShippingDuration
        Type string | null
protected static property Firstred\PostNL\Entity\Request\GetDeliveryDate::$Street
        Type string | null
protected static property Firstred\PostNL\Entity\Request\GetDeliveryDate::$GetDeliveryDate
        Type \Firstred\PostNL\Entity\Request\GetDeliveryDate | null
protected static property Firstred\PostNL\Entity\Request\GetDeliveryDate::$Message
        Type \Firstred\PostNL\Entity\Message\Message | null
    
```

Methods

```
public Firstred\PostNL\Entity\Request\GetDeliveryDate::__construct ($AllowSundaySorting=null,  
                                                                    $City=null,  
                                                                    $Country-  
                                                                    tryCode=null,  
                                                                    $Cut-  
                                                                    Off-  
                                                                    Times=null,  
                                                                    $HouseNr=null,  
                                                                    $House-  
                                                                    N-  
                                                                    rExt=null,  
                                                                    $Op-  
                                                                    tions=null,  
                                                                    $Orig-  
                                                                    in-  
                                                                    Coun-  
                                                                    tryCode=null,  
                                                                    $Postal-  
                                                                    Code=null,  
                                                                    $Ship-  
                                                                    ping-  
                                                                    Date=null,  
                                                                    $Ship-  
                                                                    ping-  
                                                                    Duration=null,  
                                                                    $Street=null,  
                                                                    $Get-  
                                                                    Deliv-  
                                                                    ery-  
                                                                    Date=null,  
                                                                    $Mes-  
                                                                    sage=null)
```

GetDeliveryDate constructor.

Parameters

- **\$AllowSundaySorting** (bool | null)
- **\$City** (string | null)
- **\$CountryCode** (string | null)
- **\$CutOffTimes** (array | null)
- **\$HouseNr** (string | null)
- **\$HouseNrExt** (string | null)
- **\$Options** (array | null)
- **\$OriginCountryCode** (string | null)
- **\$PostalCode** (string | null)
- **\$ShippingDate** (DateTimeInterface | string | null)
- **\$ShippingDuration** (string | null)
- **\$Street** (string | null)

- **\$GetDeliveryDate** (*Firstred\PostNL\Entity\Request\GetDeliveryDate* | null)
- **\$Message** (*Firstred\PostNL\Entity\Message\Message* | null)

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

public *Firstred\PostNL\Entity\Request\GetDeliveryDate::setShippingDate* (*\$shippingDate=null*)

Parameters

- **\$shippingDate** (string | \DateTimeInterface | null)

Returns static

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.2.0

public *Firstred\PostNL\Entity\Request\GetDeliveryDate::setPostalCode* (*\$postcode=null*)

Set the postcode.

Parameters

- **\$postcode** (string | null)

Returns static

public *Firstred\PostNL\Entity\Request\GetDeliveryDate::xmlSerialize* (*\$writer*)

Return a serializable array for the XMLWriter.

Parameters

- **\$writer** (Sabre\Xml\Writer)

Returns void

GetSentDateRequest

class *Firstred\PostNL\Entity\Request\GetSentDateRequest*

Class GetSentDateRequest.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct* (*\$GetSentDate*, *\$Message*)

Properties

public property Firstred\PostNL\Entity\Request\GetSentDateRequest::\$**defaultProperties**

Default properties and namespaces for the SOAP API.

Type array

protected static property Firstred\PostNL\Entity\Request\GetSentDateRequest::\$**GetSentDate**

Type \Firstred\PostNL\Entity\Request\GetSentDate | null

protected static property Firstred\PostNL\Entity\Request\GetSentDateRequest::\$**Message**

Type \Firstred\PostNL\Entity\Message\Message | null

Methods

public Firstred\PostNL\Entity\Request\GetSentDateRequest::__**construct** (*\$GetSentDate=null*,
\$Message=null)

GetSentDate constructor.

Parameters

- **\$GetSentDate** (*Firstred\PostNL\Entity\Request\GetSentDate* | null)
- **\$Message** (*Firstred\PostNL\Entity\Message\Message* | null)

Response

\Firstred\PostNL\Entity\Response

Classes

GetLocationsResult

class Firstred\PostNL\Entity\Response\GetLocationsResult

Class GetLocationsResult.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public* __construct (*\$ResponseLocation*)
- *public* xmlSerialize (*\$writer*)

Properties

public property Firstred\PostNL\Entity\Response\GetLocationsResult::\$defaultProperties

Default properties and namespaces for the SOAP API.

Type array

protected static property Firstred\PostNL\Entity\Response\GetLocationsResult::\$ResponseLocation

Type \Firstred\PostNL\Entity\Response\ResponseLocation[] | null

Methods

public Firstred\PostNL\Entity\Response\GetLocationsResult::__construct (\$ResponseLocation=null)

GetLocationsResult constructor.

Parameters

- **\$ResponseLocation** (*Firstred\PostNL\Entity\Response\ResponseLocation[] | null*)

public Firstred\PostNL\Entity\Response\GetLocationsResult::xmlSerialize (\$writer)

Return a serializable array for the XMLWriter.

Parameters

- **\$writer** (Sabre\Xml\Writer)

Returns void

SignatureResponse

class Firstred\PostNL\Entity\Response\SignatureResponse

Class SignatureResponse.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public* __construct (\$Signature)

Properties

public property Firstred\PostNL\Entity\Response\SignatureResponse::\$defaultProperties

Default properties and namespaces for the SOAP API.

Type array

protected static property Firstred\PostNL\Entity\Response\SignatureResponse::\$Signature

Type \Firstred\PostNL\Entity\Signature | null

Methods

public Firstred\PostNL\Entity\Response\SignatureResponse::__construct (\$Signature=null)

SignatureResponse constructor.

Parameters

- **\$Signature** (*Firstred\PostNL\Entity\Signature* | null)

GetNearestLocationsResponse

class Firstred\PostNL\Entity\Response\GetNearestLocationsResponse

Class GetNearestLocationsResponse.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct (\$GetLocationsResult)*
- *public static jsonDeserialize (\$json)*
- *public jsonSerialize ()*

Properties

public property Firstred\PostNL\Entity\Response\GetNearestLocationsResponse::\$defaultPro

Default properties and namespaces for the SOAP API.

Type array

protected static property Firstred\PostNL\Entity\Response\GetNearestLocationsResponse::\$

Type \Firstred\PostNL\Entity\Response\GetLocationsResult | null

Methods

```
public Firstred\PostNL\Entity\Response\GetNearestLocationsResponse::__construct($GetLocationsResult)
```

GetNearestLocationsResponse constructor.

Parameters

- **\$GetLocationsResult** (*Firstred\PostNL\Entity\Response\GetLocationsResult* | null)

```
public static Firstred\PostNL\Entity\Response\GetNearestLocationsResponse::jsonDeserialize()
```

Parameters

- **\$json** (stdClass)

Returns mixed | \stdClass | null

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Since 1.2.0

```
public Firstred\PostNL\Entity\Response\GetNearestLocationsResponse::jsonSerialize()
```

Return a serializable array for `json_encode`.

Returns array

ResponseShipment

```
class Firstred\PostNL\Entity\Response\ResponseShipment
```

Class ResponseShipment.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$Barcode, \$ProductCodeDelivery, \$Labels, \$DownPartnerBarcode, \$DownPartnerID, \$DownPartnerLocation, \$Warnings)*

Properties

```

public property Firstred\PostNL\Entity\Response\ResponseShipment::$defaultProperties
    Type string[][]

protected static property Firstred\PostNL\Entity\Response\ResponseShipment::$Barcode
    Type string | null

protected static property Firstred\PostNL\Entity\Response\ResponseShipment::$DownPartner
    Type string | null

protected static property Firstred\PostNL\Entity\Response\ResponseShipment::$DownPartner
    Type string | null

protected static property Firstred\PostNL\Entity\Response\ResponseShipment::$DownPartner
    Type string | null

protected static property Firstred\PostNL\Entity\Response\ResponseShipment::$Labels
    Type \Firstred\PostNL\Entity\Label[] | null

protected static property Firstred\PostNL\Entity\Response\ResponseShipment::$ProductCode
    Type string | null

protected static property Firstred\PostNL\Entity\Response\ResponseShipment::$Warnings
    Type \Firstred\PostNL\Entity\Warning[] | null

```

Methods

```

public Firstred\PostNL\Entity\Response\ResponseShipment::__construct ($Barcode=null,
                                                                    $Pro-
                                                                    duct-
                                                                    Cod-
                                                                    eDe-
                                                                    liv-
                                                                    ery=null,
                                                                    $La-
                                                                    bels=null,
                                                                    $Down-
                                                                    Part-
                                                                    ner-
                                                                    Bar-
                                                                    code=null,
                                                                    $Down-
                                                                    Part-
                                                                    nerID=null,
                                                                    $Down-
                                                                    Part-
                                                                    ner-
                                                                    Loca-
                                                                    tion=null,
                                                                    $Warn-
                                                                    ings=null)

```

Parameters

- **\$Barcode** (string | null)
- **\$ProductCodeDelivery** (string | null)

- **\$Labels** (*Firstred\PostNL\Entity\Label[]* | null)
- **\$DownPartnerBarcode** (string | null)
- **\$DownPartnerID** (string | null)
- **\$DownPartnerLocation** (string | null)
- **\$Warnings** (*Firstred\PostNL\Entity\Warning[]* | null)

CompleteStatusResponseEvent

```
class Firstred\PostNL\Entity\Response\CompleteStatusResponseEvent
```

Class CompleteStatusResponseEvent.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$Code, \$Description, \$DestinationLocationCode, \$LocationCode, \$RouteCode, \$RouteName, \$TimeStamp)*
- *public setTimeStamp(\$TimeStamp)*

Properties

```
public property Firstred\PostNL\Entity\Response\CompleteStatusResponseEvent::$defaultPro
```

Default properties and namespaces for the SOAP API.

Type array

```
protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseEvent::$
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseEvent::$
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseEvent::$
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseEvent::$
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseEvent::$
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseEvent::$
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseEvent::$
```

Type string | null

Methods

```
public Firstred\PostNL\Entity\Response\CompleteStatusResponseEvent::__construct ($Code=null,
$De-
scrip-
tion=null,
$Des-
ti-
na-
tion-
Lo-
ca-
tion-
Code=null,
$Lo-
ca-
tion-
Code=null,
$Route-
Code=null,
$Route-
Name=null,
$TimeS-
tamp=null)
```

CompleteStatusResponseEvent constructor.

Parameters

- **\$Code** (string | null)
- **\$Description** (string | null)
- **\$DestinationLocationCode** (string | null)
- **\$LocationCode** (string | null)
- **\$RouteCode** (string | null)
- **\$RouteName** (string | null)
- **\$TimeStamp** (string | null)

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

```
public Firstred\PostNL\Entity\Response\CompleteStatusResponseEvent::setTimeStamp ($TimeStan
```

Parameters

- **\$TimeStamp** (string | \DateTimeInterface | null)

Returns static

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.2.0

ResponseTimeframes

class Firstred\PostNL\Entity\Response\ResponseTimeframes

Class ResponseTimeframes.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$ReasonNoTimeframes, \$Timeframes)*
- *public jsonSerialize()*

Properties

public property Firstred\PostNL\Entity\Response\ResponseTimeframes::\$defaultProperties

Type array

protected static property Firstred\PostNL\Entity\Response\ResponseTimeframes::\$ReasonNoTimeframes

Type *\Firstred\PostNL\Entity\ReasonNoTimeframe[]* | null

protected static property Firstred\PostNL\Entity\Response\ResponseTimeframes::\$Timeframes

Type *\Firstred\PostNL\Entity\Timeframe[]* | null

Methods

public Firstred\PostNL\Entity\Response\ResponseTimeframes::__construct (*\$ReasonNoTimeframes=*
\$Timeframes=null)

Parameters

- **\$ReasonNoTimeframes** (*Firstred\PostNL\Entity\ReasonNoTimeframe[]* | null)
- **\$Timeframes** (*Firstred\PostNL\Entity\Timeframe[]* | null)

public Firstred\PostNL\Entity\Response\ResponseTimeframes::jsonSerialize ()

Return a serializable array for `json_encode`.

Returns array

CompleteStatusResponseShipment

class Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment

Class CompleteStatusResponseShipment.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$Addresses, \$Amounts, \$Barcode, \$Customer, \$DeliveryDate, \$Dimension, \$Events, \$Expectation, \$Groups, \$OldStatuses, \$ProductCode, \$ProductOptions, \$Reference, \$Status, \$Warnings, \$MainBarcode, \$ShipmentAmount, \$ShipmentCounter, \$ProductDescription)*
- *public setDeliveryDate(\$deliveryDate)*
- *public static jsonDeserialize(\$json)*
- *public xmlSerialize(\$writer)*

Properties

public property Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment::\$default

Type string[][]

protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment

Type \Firstred\PostNL\Entity\Address[] | null

protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment

Type \Firstred\PostNL\Entity\Amount[] | null

protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment

Type \Firstred\PostNL\Entity\Barcode | null

protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment

Type \Firstred\PostNL\Entity\Customer | null

protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment

Type \DateTimeInterface | null

protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment

Type \Firstred\PostNL\Entity\Dimension | null Dimension

protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment

Type \Firstred\PostNL\Entity\Response\CompleteStatusResponseEvent[] | null

protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment

Type \Firstred\PostNL\Entity\Expectation | null

protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment

Type \Firstred\PostNL\Entity\Group[] | null

protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment
 Type string | null

protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment
 Type \Firstred\PostNL\Entity\Response\CompleteStatusResponseOldStatus[] | null

protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment
 Type string | null

protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment
 Type string | null

protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment
 Type \Firstred\PostNL\Entity\ProductOption[] | null

protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment
 Type string | null

protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment
 Type string | null

protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment
 Type string | null

protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment
 Type \Firstred\PostNL\Entity>Status | null

protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment
 Type \Firstred\PostNL\Entity\Warning[] | null

CompleteStatusResponseShipment constructor.

- **\$Addresses** (*Firstred\PostNL\Entity\Address[]* | null)

- **\$Amounts** (*Firstred\PostNL\Entity\Amount[] | null*)
- **\$Barcode** (string | null)
- **\$Customer** (*Firstred\PostNL\Entity\Customer | null*)
- **\$DeliveryDate** (DateTimeInterface | string | null)
- **\$Dimension** (*Firstred\PostNL\Entity\Dimension | null*)
- **\$Events** (*Firstred\PostNL\Entity\Response\CompleteStatusResponseEvent[] | null*)
- **\$Expectation** (*Firstred\PostNL\Entity\Expectation | null*)
- **\$Groups** (*Firstred\PostNL\Entity\Group[] | null*)
- **\$OldStatuses** (*Firstred\PostNL\Entity\Response\CompleteStatusResponseOldStatus[] | null*)
- **\$ProductCode** (string | null)
- **\$ProductOptions** (*Firstred\PostNL\Entity\ProductOption[] | null*)
- **\$Reference** (string | null)
- **\$Status** (*Firstred\PostNL\Entity>Status | null*)
- **\$Warnings** (*Firstred\PostNL\Entity\Warning[] | null*)
- **\$MainBarcode** (string | null)
- **\$ShipmentAmount** (string | null)
- **\$ShipmentCounter** (string | null)
- **\$ProductDescription** (string | null)

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

public Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment::setDeliveryDate (\$

Parameters

- **\$deliveryDate** (string | \DateTimeInterface | null)

Returns static

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.2.0

public static Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment::jsonDeseri

Parameters

- **\$json** (stdClass)

Returns mixed | \stdClass | null

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Since 1.2.0

public Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment::xmlSerialize (\$writ

Return a serializable array for the XMLWriter.

Parameters

- **\$writer** (Sabre\Xml\Writer)

Returns void**ResponseGroup****class** Firstred\PostNL\Entity\Response\ResponseGroup

Class ResponseGroup.

Parent *Firstred\PostNL\Entity\AbstractEntity***Summary****Methods**

- *public __construct(\$GroupCount, \$GroupSequence, \$GroupType, \$MainBarcode)*

Properties**public property** Firstred\PostNL\Entity\Response\ResponseGroup::\$defaultProperties**Type** string[][]**protected static property** Firstred\PostNL\Entity\Response\ResponseGroup::\$GroupCount

Amount of shipments in the ResponseGroup.

Type string | null**protected static property** Firstred\PostNL\Entity\Response\ResponseGroup::\$GroupSequence

Sequence number.

Type string | null**protected static property** Firstred\PostNL\Entity\Response\ResponseGroup::\$GroupType

The type of Group.

Possible values:

- `01`: Collection request
- `03`: Multiple parcels in one shipment (multi-colli)
- `04`: Single parcel in one shipment

Type string | null**protected static property** Firstred\PostNL\Entity\Response\ResponseGroup::\$MainBarcode

Main barcode for the shipment.

Type string | null

Methods

```
public Firstred\PostNL\Entity\Response\ResponseGroup::__construct ($GroupCount=null,  
                                                                    $GroupSe-  
                                                                    quence=null,  
                                                                    $Group-  
                                                                    Type=null,  
                                                                    $Main-  
                                                                    Bar-  
                                                                    code=null)
```

ResponseGroup Constructor.

Parameters

- **\$GroupCount** (string | null)
- **\$GroupSequence** (string | null)
- **\$GroupType** (string | null)
- **\$MainBarcode** (string | null)

GenerateBarcodeResponse

```
class Firstred\PostNL\Entity\Response\GenerateBarcodeResponse
```

Class GenerateBarcodeResponse.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct (\$Barcode)*

Properties

```
public property Firstred\PostNL\Entity\Response\GenerateBarcodeResponse::$defaultProperty
```

Default properties and namespaces for the SOAP API.

Type array

```
protected static property Firstred\PostNL\Entity\Response\GenerateBarcodeResponse::$Barcode
```

Type string | null

Methods

public Firstred\PostNL\Entity\Response\GenerateBarcodeResponse::__construct (\$Barcode=null)

GenerateBarcodeResponse constructor.

Parameters

- **\$Barcode** (string | null)

GetLocationsInAreaResponse

class Firstred\PostNL\Entity\Response\GetLocationsInAreaResponse

Class GetLocationsInAreaResponse.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public* __construct (\$GetLocationsResult)
- *public* jsonSerialize ()

Properties

public property Firstred\PostNL\Entity\Response\GetLocationsInAreaResponse::\$defaultProperties

Default properties and namespaces for the SOAP API.

Type array

protected static property Firstred\PostNL\Entity\Response\GetLocationsInAreaResponse::\$GetLocationsResult

Type *\Firstred\PostNL\Entity\Response\GetLocationsResult* | null

Methods

public Firstred\PostNL\Entity\Response\GetLocationsInAreaResponse::__construct (\$GetLocationsResult)

GetLocationsInAreaResponse constructor.

Parameters

- **\$GetLocationsResult** (*Firstred\PostNL\Entity\Response\GetLocationsResult* | null)

public Firstred\PostNL\Entity\Response\GetLocationsInAreaResponse::jsonSerialize ()

Return a serializable array for `json_encode`.

Returns array

CurrentStatusResponse

```
class Firstred\PostNL\Entity\Response\CurrentStatusResponse
```

Class CurrentStatusResponse.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$Shipments)*
- *public xmlSerialize(\$writer)*

Properties

```
public property Firstred\PostNL\Entity\Response\CurrentStatusResponse::$defaultProperties
```

Default properties and namespaces for the SOAP API.

Type array

```
protected static property Firstred\PostNL\Entity\Response\CurrentStatusResponse::$Shipments
```

Type *\Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment[]*
| null

Methods

```
public Firstred\PostNL\Entity\Response\CurrentStatusResponse::__construct ($Shipments=null)
```

CurrentStatusResponse constructor.

Parameters

- **\$Shipments** (*Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment[]* | null)

```
public Firstred\PostNL\Entity\Response\CurrentStatusResponse::xmlSerialize ($writer)
```

Return a serializable array for the XMLWriter.

Parameters

- **\$writer** (*Sabre\Xml\Writer*)

Returns void

CompleteStatusResponse

```
class Firstred\PostNL\Entity\Response\CompleteStatusResponse
```

Class CompleteStatusResponse.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$Shipments)*
- *public static jsonDeserialize(\$json)*
- *public xmlSerialize(\$writer)*

Properties

```
public property Firstred\PostNL\Entity\Response\CompleteStatusResponse::$defaultProperties
```

Default properties and namespaces for the SOAP API.

Type array

```
protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponse::$Shipments
```

Type *\Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment[]*
| null

Methods

```
public Firstred\PostNL\Entity\Response\CompleteStatusResponse::__construct ($Shipments=null)
```

CompleteStatusResponse constructor.

Parameters

- **\$Shipments** (*Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment[]* | null)

```
public static Firstred\PostNL\Entity\Response\CompleteStatusResponse::jsonDeserialize ($json)
```

```
public Firstred\PostNL\Entity\Response\CompleteStatusResponse::xmlSerialize ($writer)
```

Return a serializable array for the XMLWriter.

Parameters

- **\$writer** (Sabre\Xml\Writer)

Returns void

ResponseLocation

```
class Firstred\PostNL\Entity\Response\ResponseLocation
```

Class ResponseLocation.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$Address, \$DeliveryOptions, \$Distance, \$Latitude, \$Longitude, \$Name, \$OpeningHours, \$PartnerName, \$PhoneNumber, \$LocationCode, \$RetailNetworkID, \$Saleschannel, \$TerminalType, \$Warnings, \$DownPartnerID, \$DownPartnerLocation)*
- *public static jsonDeserialize(\$json)*

Properties

```
public property Firstred\PostNL\Entity\Response\ResponseLocation::$defaultProperties
```

Default properties and namespaces for the SOAP API.

Type array

```
protected static property Firstred\PostNL\Entity\Response\ResponseLocation::$Address
```

Type *\Firstred\PostNL\Entity\Address* | null

```
protected static property Firstred\PostNL\Entity\Response\ResponseLocation::$DeliveryOptions
```

Type string[] | null

```
protected static property Firstred\PostNL\Entity\Response\ResponseLocation::$Distance
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Response\ResponseLocation::$Latitude
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Response\ResponseLocation::$Longitude
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Response\ResponseLocation::$Name
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Response\ResponseLocation::$OpeningHours
```

Type *\Firstred\PostNL\Entity\OpeningHours* | null

```
protected static property Firstred\PostNL\Entity\Response\ResponseLocation::$PartnerName
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Response\ResponseLocation::$PhoneNumber
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Response\ResponseLocation::$LocationCode
```

```

        Type string | null
protected static property Firstred\PostNL\Entity\Response\ResponseLocation::$RetailNetwork
        Type string | null
protected static property Firstred\PostNL\Entity\Response\ResponseLocation::$Saleschannel
        Type string | null
protected static property Firstred\PostNL\Entity\Response\ResponseLocation::$TerminalType
        Type string | null
protected static property Firstred\PostNL\Entity\Response\ResponseLocation::$Warnings
        Type \Firstred\PostNL\Entity\Warning[] | null
protected static property Firstred\PostNL\Entity\Response\ResponseLocation::$DownPartner
        Type string | null
protected static property Firstred\PostNL\Entity\Response\ResponseLocation::$DownPartner
        Type string | null

```

Methods

```
public Firstred\PostNL\Entity\Response\ResponseLocation::__construct ($Address=null,  
                                                                    $De-  
                                                                    liv-  
                                                                    ery-  
                                                                    Op-  
                                                                    tions=null,  
                                                                    $Dis-  
                                                                    tance=null,  
                                                                    $Lat-  
                                                                    i-  
                                                                    tude=null,  
                                                                    $Lon-  
                                                                    gi-  
                                                                    tude=null,  
                                                                    $Name=null,  
                                                                    $Open-  
                                                                    ingHours=null,  
                                                                    $Part-  
                                                                    ner-  
                                                                    Name=null,  
                                                                    $Pho-  
                                                                    neNum-  
                                                                    ber=null,  
                                                                    $Lo-  
                                                                    ca-  
                                                                    tion-  
                                                                    Code=null,  
                                                                    $Re-  
                                                                    tail-  
                                                                    Net-  
                                                                    workID=null,  
                                                                    $Saleschan-  
                                                                    nel=null,  
                                                                    $Ter-  
                                                                    minal-  
                                                                    Type=null,  
                                                                    $Warn-  
                                                                    ings=null,  
                                                                    $Down-  
                                                                    Part-  
                                                                    nerID=null,  
                                                                    $Down-  
                                                                    Part-  
                                                                    ner-  
                                                                    Loca-  
                                                                    tion=null)
```

ResponseLocation constructor.

Parameters

- **\$Address** (*Firstred\PostNL\Entity\Address* | null)
- **\$DeliveryOptions** (string[] | null)
- **\$Distance** (string | null)
- **\$Latitude** (string | null)

- **\$Longitude** (string | null)
- **\$Name** (string | null)
- **\$OpeningHours** (string[] | null)
- **\$PartnerName** (string | null)
- **\$PhoneNumber** (string | null)
- **\$LocationCode** (string | null)
- **\$RetailNetworkID** (string | null)
- **\$Saleschannel** (string | null)
- **\$TerminalType** (string | null)
- **\$Warnings** (*Firstred\PostNL\Entity\Warning[]* | null)
- **\$DownPartnerID** (string | null)
- **\$DownPartnerLocation** (string | null)

```
public static Firstred\PostNL\Entity\Response\ResponseLocation::jsonDeserialize($json)
```

MergedLabel

```
class Firstred\PostNL\Entity\Response\MergedLabel
```

Class MergedLabel.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$Barcodes, \$Labels)*

Properties

```
public property Firstred\PostNL\Entity\Response\MergedLabel::$defaultProperties
```

Type string[][]

```
protected static property Firstred\PostNL\Entity\Response\MergedLabel::$Barcodes
```

Type string[] | null

```
protected static property Firstred\PostNL\Entity\Response\MergedLabel::$Labels
```

Type *\Firstred\PostNL\Entity\Label[]* | null

Methods

```
public Firstred\PostNL\Entity\Response\MergedLabel::__construct ($Barcodes=null,  
                                                                    $La-  
                                                                    bels=null)
```

Parameters

- **\$Barcodes** (string[] | null)
- **\$Labels** (*Firstred\PostNL\Entity\Label[]* | null)

GetSentDateResponse

```
class Firstred\PostNL\Entity\Response\GetSentDateResponse
```

Class GetSentDateResponse.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct (\$GetSentDate, \$Options)*
- *public setSentDate (\$SentDate)*
- *public xmlSerialize (\$writer)*

Properties

```
public property Firstred\PostNL\Entity\Response\GetSentDateResponse::$defaultProperties
```

Default properties and namespaces for the SOAP API.

Type array

```
protected static property Firstred\PostNL\Entity\Response\GetSentDateResponse::$SentDate
```

Type \DateTimeInterface | null

```
protected static property Firstred\PostNL\Entity\Response\GetSentDateResponse::$Options
```

Type string[] | null

Methods

```
public Firstred\PostNL\Entity\Response\GetSentDateResponse::__construct ($GetSentDate=null,  
                                                                    $Op-  
                                                                    tions=null)
```

GetSentDateResponse constructor.

Parameters

- **\$GetSentDate** (DateTimeInterface | string | null)

- **\$Options** (string[] | null)

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

public Firstred\PostNL\Entity\Response\GetSentDateResponse:: **setSentDate** (\$SentDate=null)

Parameters

- **\$SentDate** (string | \DateTimeInterface | null)

Returns static

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.2.0

public Firstred\PostNL\Entity\Response\GetSentDateResponse:: **xmlSerialize** (\$writer)

Return a serializable array for the XMLWriter.

Parameters

- **\$writer** (Sabre\Xml\Writer)

Returns void

UpdatedShipmentsResponse

class Firstred\PostNL\Entity\Response\UpdatedShipmentsResponse

Class CompleteStatusResponse.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$Barcode, \$CreationDate, \$CustomerNumber, \$CustomerCode, \$Status)*
- *public setCreationDate(\$CreationDate)*

Properties

public property Firstred\PostNL\Entity\Response\UpdatedShipmentsResponse:: **\$defaultProperties**

Default properties and namespaces for the SOAP API.

Type array

protected static property Firstred\PostNL\Entity\Response\UpdatedShipmentsResponse:: **\$Barcode**

Type string | null

protected static property Firstred\PostNL\Entity\Response\UpdatedShipmentsResponse:: **\$CreationDate**

Type \DateTimeInterface | null

protected static property Firstred\PostNL\Entity\Response\UpdatedShipmentsResponse:: **\$CustomerNumber**

Type string | null

protected static property Firstred\PostNL\Entity\Response\UpdatedShipmentsResponse::\$CustomerNumber

Type string | null

protected static property Firstred\PostNL\Entity\Response\UpdatedShipmentsResponse::\$Status

Type \Firstred\PostNL\Entity>Status | null

Methods

```
public Firstred\PostNL\Entity\Response\UpdatedShipmentsResponse::__construct ($Barcode=null,
                                                                              $CreationDate=null,
                                                                              $CustomerNumber=null,
                                                                              $CustomerCode=null,
                                                                              $Status=null)
```

UpdatedShipmentsResponse constructor.

Parameters

- **\$Barcode** (string | null)
- **\$CreationDate** (string | \DateTimeInterface | null)
- **\$CustomerNumber** (string | null)
- **\$CustomerCode** (string | null)
- **\$Status** (*Firstred\PostNL\Entity>Status* | null)

Throws \Firstred\PostNL\Exception\InvalidArgumentException

```
public Firstred\PostNL\Entity\Response\UpdatedShipmentsResponse::setCreationDate ($CreationDate)
```

Parameters

- **\$CreationDate** (string | \DateTimeInterface | null)

Returns static

Throws \Firstred\PostNL\Exception\InvalidArgumentException

Since 1.2.0

GetSignatureResponseSignature

```
class Firstred\PostNL\Entity\Response\GetSignatureResponseSignature
```

Class GetSignatureResponseSignature.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$Barcode, \$SignatureDate, \$SignatureImage)*
- *public setSignatureDate(\$SignatureDate)*

Properties

```
public property Firstred\PostNL\Entity\Response\GetSignatureResponseSignature::$defaultP
```

Default properties and namespaces for the SOAP API.

Type array

```
protected static property Firstred\PostNL\Entity\Response\GetSignatureResponseSignature:
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Response\GetSignatureResponseSignature:
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Response\GetSignatureResponseSignature:
```

Type string | null

Methods

```
public Firstred\PostNL\Entity\Response\GetSignatureResponseSignature::__construct ($Barcode
    $Sig-
    na-
    ture-
    Date=nu
    $Sig-
    na-
    tureIm-
    age=nul
```

GetSignatureResponseSignature constructor.

Parameters

- **\$Barcode** (string | null)
- **\$SignatureDate** (string | null)
- **\$SignatureImage** (string | null)

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

```
public Firstred\PostNL\Entity\Response\GetSignatureResponseSignature::setSignatureDate ($
```

Parameters

- **\$SignatureDate** (string | \DateTimeInterface | null)

Returns static

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.2.0

ResponseAmount

```
class Firstred\PostNL\Entity\Response\ResponseAmount
```

Class ResponseAmount.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct (\$AccountName, \$ResponseAmount, \$BIC, \$Currency, \$IBAN, \$Reference, \$TransactionNumber, \$Value, \$VerzekerdBedrag)*

Properties

```
public property Firstred\PostNL\Entity\Response\ResponseAmount::$defaultProperties
```

Type string[][]

```
protected static property Firstred\PostNL\Entity\Response\ResponseAmount::$AccountName
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Response\ResponseAmount::$ResponseAmount
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Response\ResponseAmount::$BIC
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Response\ResponseAmount::$Currency
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Response\ResponseAmount::$IBAN
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Response\ResponseAmount::$Reference
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Response\ResponseAmount::$TransactionNu
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Response\ResponseAmount::$Value
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Response\ResponseAmount::$VerzekerdBedr
```

Type string | null

Methods

```
public Firstred\PostNL\Entity\Response\ResponseAmount::__construct ($AccountName=null,
                                                                    $Re-
                                                                    spon-
                                                                    seAmount=null,
                                                                    $BIC=null,
                                                                    $Cur-
                                                                    rency=null,
                                                                    $IBAN=null,
                                                                    $Ref-
                                                                    er-
                                                                    ence=null,
                                                                    $Trans-
                                                                    ac-
                                                                    tion-
                                                                    Num-
                                                                    ber=null,
                                                                    $Value=null,
                                                                    $Verzek-
                                                                    erdBedrag=null)
```

Parameters

- **\$AccountName** (string | null)
- **\$ResponseAmount** (string | null)
- **\$BIC** (string | null)
- **\$Currency** (string | null)
- **\$IBAN** (string | null)
- **\$Reference** (string | null)
- **\$TransactionNumber** (string | null)
- **\$Value** (string | null)
- **\$VerzekerdBedrag** (string | null)

GenerateLabelResponse

```
class Firstred\PostNL\Entity\Response\GenerateLabelResponse
```

Class GenerateLabelResponse.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- `public __construct($MergedLabels, $ReponseShipments)`

Properties

public property Firstred\PostNL\Entity\Response\GenerateLabelResponse::\$defaultProperties

Default properties and namespaces for the SOAP API.

Type array | null

protected static property Firstred\PostNL\Entity\Response\GenerateLabelResponse::\$MergedLabels

Type \Firstred\PostNL\Entity\Response\MergedLabel[] | null

protected static property Firstred\PostNL\Entity\Response\GenerateLabelResponse::\$ResponseShipments

Type \Firstred\PostNL\Entity\Response\ResponseShipment[] | null

Methods

public Firstred\PostNL\Entity\Response\GenerateLabelResponse::__construct(*\$MergedLabels=null*,
\$ResponseShipments=null)

GenerateLabelResponse constructor.

Parameters

- **\$MergedLabels** (*Firstred\PostNL\Entity\Response\MergedLabel[]* | null)
- **\$ResponseShipments** (*Firstred\PostNL\Entity\Response\ResponseShipment[]* | null)

ResponseAddress

class Firstred\PostNL\Entity\Response\ResponseAddress

Class ResponseAddress.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- `public __construct($AddressType, $FirstName, $Name, $CompanyName, $Street, $HouseNr, $HouseNrExt, $Zipcode, $City, $Countrycode, $Area, $BuildingName, $Department, $Doorcode, $Floor, $Region, $Remark)`
- `public setZipcode($Zipcode)`

Properties

public property Firstred\PostNL\Entity\Response\ResponseAddress::\$defaultProperties
Type string[][]

protected static property Firstred\PostNL\Entity\Response\ResponseAddress::\$AddressType

Type string | null PostNL internal applications validate the receiver ResponseAddress. In case the spelling of ResponseAddresses should be different according to our PostNL information, the ResponseAddress details will be corrected. This can be noticed in Track & Trace.

Please note that the webservice will not add ResponseAddress details. Street and City fields will only be printed when they are in the call towards the labeling webservice.

The element ResponseAddress type is a code in the request. Possible values are:

Code Description 01 Receiver 02 Sender 03 Alternative sender ResponseAddress 04 Collection ResponseAddress (In the orders need to be collected first) 08 Return ResponseAddress* 09 Drop off location (for use with Pick up at PostNL location)

> * When using the 'label in the box return label', it is mandatory to use an > `Antwoord-nummer` in AddressType 08. > This cannot be a regular ResponseAddress

The following rules apply: If there is no ResponseAddress specified with AddressType = 02, the data from Customer/ResponseAddress will be added to the list as AddressType 02. If there is no Customer/ResponseAddress, the message will be rejected.

At least one other AddressType must be specified, other than AddressType 02 In most cases this will be AddressType 01, the receiver ResponseAddress.

protected static property Firstred\PostNL\Entity\Response\ResponseAddress::\$Area
Type string | null

protected static property Firstred\PostNL\Entity\Response\ResponseAddress::\$Buildingname
Type string | null

protected static property Firstred\PostNL\Entity\Response\ResponseAddress::\$City
Type string | null

protected static property Firstred\PostNL\Entity\Response\ResponseAddress::\$CompanyName
Type string | null

protected static property Firstred\PostNL\Entity\Response\ResponseAddress::\$Countrycode
Type string | null

protected static property Firstred\PostNL\Entity\Response\ResponseAddress::\$Department
Type string | null

protected static property Firstred\PostNL\Entity\Response\ResponseAddress::\$Doorcode
Type string | null

protected static property Firstred\PostNL\Entity\Response\ResponseAddress::\$**FirstName**
 Type string | null

protected static property Firstred\PostNL\Entity\Response\ResponseAddress::\$**Floor**
 Type string | null

protected static property Firstred\PostNL\Entity\Response\ResponseAddress::\$**HouseNr**
 Type string | null

protected static property Firstred\PostNL\Entity\Response\ResponseAddress::\$**HouseNrExt**
 Type string | null

protected static property Firstred\PostNL\Entity\Response\ResponseAddress::\$**Name**
 Type string | null

protected static property Firstred\PostNL\Entity\Response\ResponseAddress::\$**Region**
 Type string | null

protected static property Firstred\PostNL\Entity\Response\ResponseAddress::\$**Remark**
 Type string | null

protected static property Firstred\PostNL\Entity\Response\ResponseAddress::\$**Street**
 Type string | null

protected static property Firstred\PostNL\Entity\Response\ResponseAddress::\$**Zipcode**
 Type string | null

protected static property Firstred\PostNL\Entity\Response\ResponseAddress::\$**other**
 Type array | null Array with optional properties

Methods

```
public Firstred\PostNL\Entity\Response\ResponseAddress::__construct ($AddressType=null,  
    $First-  
    Name=null,  
    $Name=null,  
    $Com-  
    pa-  
    ny-  
    Name=null,  
    $Street=null,  
    $HouseNr=null,  
    $House-  
    N-  
    rExt=null,  
    $Zip-  
    code=null,  
    $City=null,  
    $Coun-  
    trycode=null,  
    $Area=null,  
    $Build-  
    ing-  
    Name=null,  
    $De-  
    part-  
    ment=null,  
    $Door-  
    code=null,  
    $Floor=null,  
    $Re-  
    gion=null,  
    $Re-  
    mark=null)
```

Parameters

- **\$AddressType** (string | null)
- **\$FirstName** (string | null)
- **\$Name** (string | null)
- **\$CompanyName** (string | null)
- **\$Street** (string | null)
- **\$HouseNr** (string | null)
- **\$HouseNrExt** (string | null)
- **\$Zipcode** (string | null)
- **\$City** (string | null)
- **\$Countrycode** (string | null)
- **\$Area** (string | null)
- **\$BuildingName** (string | null)
- **\$Department** (string | null)
- **\$Doorcode** (string | null)
- **\$Floor** (string | null)

- **\$Region** (string | null)
- **\$Remark** (string | null)

```
public Firstred\PostNL\Entity\Response\ResponseAddress::setZipcode ($Zipcode=null)
```

Set postcode.

Parameters

- **\$Zipcode** (string | null)

Returns static

CurrentStatusResponseShipment

```
class Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment
```

Class CurrentStatusResponseShipment.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$Addresses, \$Amounts, \$Barcode, \$DeliveryDate, \$Dimension, \$Expectation, \$Groups, \$ProductCode, \$ProductOptions, \$Reference, \$Status, \$Warnings, \$MainBarcode, \$ShipmentAmount, \$ShipmentCounter, \$ProductDescription)*
- *public setDeliveryDate(\$deliveryDate)*
- *public static jsonDeserialize(\$json)*
- *public xmlSerialize(\$writer)*

Properties

```
public property Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment::$defaultE
```

Type string[][]

```
protected static property Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment:
```

Type \Firstred\PostNL\Entity\Address[] | null

```
protected static property Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment:
```

Type \Firstred\PostNL\Entity\Amount[] | null

```
protected static property Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment:
```

Type \Firstred\PostNL\Entity\Barcode | null

```
protected static property Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment:
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment:
```

Type \Firstred\PostNL\Entity\Dimension | null Dimension

protected static property Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment :
 Type \Firstred\PostNL\Entity\Expectation | null

protected static property Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment :
 Type \Firstred\PostNL\Entity\Group[] | null

protected static property Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment :
 Type string | null

protected static property Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment :
 Type string | null

protected static property Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment :
 Type string | null

protected static property Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment :
 Type \Firstred\PostNL\Entity\ProductOption[] | null

protected static property Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment :
 Type string | null

protected static property Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment :
 Type string | null

protected static property Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment :
 Type string | null

protected static property Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment :
 Type \Firstred\PostNL\Entity>Status | null

protected static property Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment :
 Type \Firstred\PostNL\Entity\Warning[] | null

Methods

```
public Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment::__construct ($Addresses, $Amounts, $Barcode, $DeliveryDate, $Dimension, $Groups, $ProductCode, $ProductOptions, $Reference, $Status, $Warnings, $MainBarcode, $ShipmentAmount, $ShipmentCounter, $ProductDescription)
```

CurrentStatusResponseShipment constructor.

Parameters

- **\$Addresses** (*Firstred\PostNL\Entity\Address[]* | null)
- **\$Amounts** (*Firstred\PostNL\Entity\Amount[]* | null)
- **\$Barcode** (string | null)
- **\$DeliveryDate** (DateTimeInterface | string | null)
- **\$Dimension** (*Firstred\PostNL\Entity\Dimension* | null)

- **\$Expectation** (*Firstred\PostNL\Entity\Expectation* | null)
- **\$Groups** (*Firstred\PostNL\Entity\Group[]* | null)
- **\$ProductCode** (string | null)
- **\$ProductOptions** (*Firstred\PostNL\Entity\ProductOption[]* | null)
- **\$Reference** (string | null)
- **\$Status** (*Firstred\PostNL\Entity>Status* | null)
- **\$Warnings** (*Firstred\PostNL\Entity\Warning[]* | null)
- **\$MainBarcode** (string | null)
- **\$ProductDescription** (string | null)

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

public *Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment::***setDeliveryDate** (*\$date*)

Parameters

- **\$deliveryDate** (string | \DateTimeInterface | null)

Returns static

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.2.0

public static *Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment::***jsonDeserialize** (*\$json*)

Parameters

- **\$json** (stdClass)

Returns mixed | \stdClass | null

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Since 1.2.0

public *Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment::***xmlSerialize** (*\$writer*)

Return a serializable array for the XMLWriter.

Parameters

- **\$writer** (Sabre\Xml\Writer)

Returns void

ConfirmingResponseShipment

```
class Firstred\PostNL\Entity\Response\ConfirmingResponseShipment
```

Class ConfirmingResponseShipment.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$Barcode, \$Warnings)*

Properties

```
public property Firstred\PostNL\Entity\Response\ConfirmingResponseShipment::$defaultProp
```

Type string[][]

```
protected static property Firstred\PostNL\Entity\Response\ConfirmingResponseShipment::$E
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Response\ConfirmingResponseShipment::$W
```

Type *\Firstred\PostNL\Entity\Warning[]* | null

Methods

```
public Firstred\PostNL\Entity\Response\ConfirmingResponseShipment::__construct ($Barcode=n  
$Warn-  
ings=null)
```

Parameters

- **\$Barcode** (string | null)
- **\$Warnings** (*Firstred\PostNL\Entity\Warning[]* | null)

GetDeliveryDateResponse

```
class Firstred\PostNL\Entity\Response\GetDeliveryDateResponse
```

Class GetDeliveryDateResponse.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- `public __construct($DeliveryDate, $Options)`
- `public setDeliveryDate($DeliveryDate)`
- `public xmlSerialize($writer)`
- `public static jsonDeserialize($json)`

Properties

public property Firstred\PostNL\Entity\Response\GetDeliveryDateResponse::\$defaultProperties

Default properties and namespaces for the SOAP API.

Type array

protected static property Firstred\PostNL\Entity\Response\GetDeliveryDateResponse::\$DeliveryDate

Type string | null

protected static property Firstred\PostNL\Entity\Response\GetDeliveryDateResponse::\$Options

Type string[] | null

Methods

public Firstred\PostNL\Entity\Response\GetDeliveryDateResponse::__construct (*\$DeliveryDate=*
\$Options=null)

GetDeliveryDateResponse constructor.

Parameters

- **\$DeliveryDate** (string | \DateTimeInterface | null)
- **\$Options** (string[] | null)

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

public Firstred\PostNL\Entity\Response\GetDeliveryDateResponse::setDeliveryDate (*\$DeliveryDate*)

Parameters

- **\$DeliveryDate** (\DateTimeInterface | string | null)

Returns static

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.2.0

public Firstred\PostNL\Entity\Response\GetDeliveryDateResponse::xmlSerialize (*\$writer*)

Return a serializable array for the XMLWriter.

Parameters

- **\$writer** (Sabre\Xml\Writer)

Returns void

```
public static Firstred\PostNL\Entity\Response\GetDeliveryDateResponse::jsonDeserialize ($
```

Parameters

- **\$json** (stdClass)

Returns *\Firstred\PostNL\Entity\Response\GetDeliveryDateResponse* |
object | \stdClass | null

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

SendShipmentResponse

```
class Firstred\PostNL\Entity\Response\SendShipmentResponse
```

Class GenerateLabelResponse.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct (\$MergedLabels, \$ReponseShipments)*

Properties

```
public property Firstred\PostNL\Entity\Response\SendShipmentResponse::$defaultProperties
```

Type array | null

```
protected static property Firstred\PostNL\Entity\Response\SendShipmentResponse::$MergedLabels
```

Type *\Firstred\PostNL\Entity\Response\MergedLabel[]* | null

```
protected static property Firstred\PostNL\Entity\Response\SendShipmentResponse::$ResponseShipments
```

Type *\Firstred\PostNL\Entity\Response\ResponseShipment[]* | null

Methods

```
public Firstred\PostNL\Entity\Response\SendShipmentResponse::__construct ($MergedLabels=null,  
                                                                           $Re-  
                                                                           ponse-  
                                                                           Ship-  
                                                                           ments=null)
```

SendShipmentResponse constructor.

Parameters

- **\$MergedLabels** (*Firstred\PostNL\Entity\Response\MergedLabel[]* | null)
- **\$ResponseShipments** (*Firstred\PostNL\Entity\Response\ResponseShipment[]* | null)

CompleteStatusResponseOldStatus

```
class Firstred\PostNL\Entity\Response\CompleteStatusResponseOldStatus
```

Class CompleteStatusResponseOldStatus.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$StatusCode, \$StatusDescription, \$PhaseCode, \$PhaseDescription, \$TimeStamp)*
- *public setTimeStamp(\$TimeStamp)*

Properties

```
public property Firstred\PostNL\Entity\Response\CompleteStatusResponseOldStatus::$default
```

Default properties and namespaces for the SOAP API.

Type array

```
protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseOldStatu
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseOldStatu
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseOldStatu
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseOldStatu
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Response\CompleteStatusResponseOldStatu
```

Type \DateTimeInterface | null

Methods

```
public Firstred\PostNL\Entity\Response\CompleteStatusResponseOldStatus::__construct ($Status-
$Sta-
tus-
De-
scrip-
tion=
$Pha-
ode=
$Pha-
tion=
$Time-
tamp=
```

CompleteStatusResponseOldStatus constructor.

Parameters

- **\$StatusCode** (string | null)
- **\$StatusDescription** (string | null)
- **\$PhaseCode** (string | null)
- **\$PhaseDescription** (string | null)
- **\$TimeStamp** (DateTimeInterface | string | null)

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

```
public Firstred\PostNL\Entity\Response\CompleteStatusResponseOldStatus::setTimeStamp ($Time
```

Parameters

- **\$TimeStamp** (string | \DateTimeInterface | null)

Returns static

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.2.0

SOAP

\Firstred\PostNL\Entity\SOAP

Classes

Header

```
class Firstred\PostNL\Entity\SOAP\Header
```

Class Header.

NOTE: this class has been introduced for deserializing

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Body

class Firstred\PostNL\Entity\SOAP\Body

Class Body.

NOTE: this class has been introduced for deserializing

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Properties

public property Firstred\PostNL\Entity\SOAP\Body::\$defaultProperties

Type array

protected static property Firstred\PostNL\Entity\SOAP\Body::\$GenerateBarcodeResponse

Type *\Firstred\PostNL\Entity\Response\GenerateBarcodeResponse* | null

UsernameToken

class Firstred\PostNL\Entity\SOAP\UsernameToken

Class UsernameToken.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$Username, \$Password)*
- *public xmlSerialize(\$writer)*

Properties

public property Firstred\PostNL\Entity\SOAP\UsernameToken::\$defaultProperties

Type string[][]

protected static property Firstred\PostNL\Entity\SOAP\UsernameToken::\$Username

Type string | null

protected static property Firstred\PostNL\Entity\SOAP\UsernameToken::\$Password

Type string | null

Methods

```
public Firstred\PostNL\Entity\SOAP\UsernameToken::__construct ($Username,  
                                                                $Password)
```

UsernameToken constructor.

Parameters

- **\$Username** (string | null)
- **\$Password** (string | null) Plaintext password

```
public Firstred\PostNL\Entity\SOAP\UsernameToken::xmlSerialize ($writer)
```

Return a serializable array for the XMLWriter.

Parameters

- **\$writer** (Sabre\Xml\Writer)

Returns void

Security

```
class Firstred\PostNL\Entity\SOAP\Security
```

Class Security.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct (\$UserNameToken)*

Constants

```
SECURITY_NAMESPACE = \'http://docs\.oasis\(-open\.org/wss/2004/01/oasis\(-200401\(-wss\(-wss
```

Properties

```
public property Firstred\PostNL\Entity\SOAP\Security::$defaultProperties  
    Type string[][]
```

```
protected static property Firstred\PostNL\Entity\SOAP\Security::$UsernameToken  
    Type Firstred\PostNL\Entity\SOAP\UsernameToken
```

Methods

```
public Firstred\PostNL\Entity\SOAP\Security::__construct ($UserNameToken)
```

Security constructor.

Parameters

- **\$UserNameToken** (*Firstred\PostNL\Entity\SOAP\UsernameToken*)

Envelope

```
class Firstred\PostNL\Entity\SOAP\Envelope
```

Class Envelope.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public* __construct (*\$Header*, *\$Body*)

Properties

```
public property Firstred\PostNL\Entity\SOAP\Envelope::$defaultProperties
```

Default properties and namespaces for the SOAP API.

Type array

```
protected static property Firstred\PostNL\Entity\SOAP\Envelope::$Header
```

Type *\Firstred\PostNL\Entity\SOAP\Header* | null

```
protected static property Firstred\PostNL\Entity\SOAP\Envelope::$Body
```

Type *\Firstred\PostNL\Entity\SOAP\Body* | null

Methods

```
public Firstred\PostNL\Entity\SOAP\Envelope::__construct ($Header=null,  
                                                         $Body=null)
```

Envelope constructor.

Parameters

- **\$Header** (*Firstred\PostNL\Entity\SOAP\Header* | null)
- **\$Body** (*Firstred\PostNL\Entity\SOAP\Body* | null)

Classes

CoordinatesSouthEast

```
class Firstred\PostNL\Entity\CoordinatesSouthEast
```

Class CoordinatesSouthEast.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$Latitude, \$Longitude)*

Properties

```
public property Firstred\PostNL\Entity\CoordinatesSouthEast::$defaultProperties
```

Type string[][]

```
protected static property Firstred\PostNL\Entity\CoordinatesSouthEast::$Latitude
```

Type string | null

```
protected static property Firstred\PostNL\Entity\CoordinatesSouthEast::$Longitude
```

Type string | null

Methods

```
public Firstred\PostNL\Entity\CoordinatesSouthEast::__construct ($Latitude=null,  
                                                                    $Longitude=null)
```

Parameters

- **\$Latitude** (string | null)
- **\$Longitude** (string | null)

OldStatus

```
class Firstred\PostNL\Entity\OldStatus
```

Class OldStatus.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- `public __construct($PhaseCode, $PhaseDescription, $OldStatusCode, $OldStatusDescription, $TimeStamp)`

Properties

public property Firstred\PostNL\Entity\OldStatus::\$defaultProperties

Type string[][]

protected static property Firstred\PostNL\Entity\OldStatus::\$CurrentPhaseCode

Type string | null

protected static property Firstred\PostNL\Entity\OldStatus::\$CurrentPhaseDescription

Type string | null

protected static property Firstred\PostNL\Entity\OldStatus::\$CurrentOldStatusCode

Type string | null

protected static property Firstred\PostNL\Entity\OldStatus::\$CurrentOldStatusDescription

Type string | null

protected static property Firstred\PostNL\Entity\OldStatus::\$CurrentOldStatusTimeStamp

Type string | null

Methods

```
public Firstred\PostNL\Entity\OldStatus::__construct ($PhaseCode=null,  
                                                    $PhaseDescription=null,  
                                                    $OldStatusCode=null,  
                                                    $OldStatusDescription=null,  
                                                    $TimeStamp=null)
```

Parameters

- **\$PhaseCode** (string | null)
- **\$PhaseDescription** (string | null)
- **\$OldStatusCode** (string | null)
- **\$OldStatusDescription** (string | null)
- **\$TimeStamp** (string | null)

Warning

class Firstred\PostNL\Entity\Warning

Class Warning.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$Code, \$Description)*

Properties

public property Firstred\PostNL\Entity\Warning::\$defaultProperties

Type string[][]

protected static property Firstred\PostNL\Entity\Warning::\$Code

Type string | null

protected static property Firstred\PostNL\Entity\Warning::\$Description

Type string | null

Methods

public Firstred\PostNL\Entity\Warning::__construct (*\$Code=null,* *\$Description=null*)

Parameters

- **\$Code** (string | null)
- **\$Description** (string | null)

ReasonNoTimeframe

class Firstred\PostNL\Entity\ReasonNoTimeframe

Class ReasonNoTimeframe.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- `public __construct($Code, $Date, $Description, $Options, $From, $To)`
- `public setDate($date)`
- `public static jsonDeserialize($json)`
- `public xmlSerialize($writer)`

Properties

```
public property Firstred\PostNL\Entity\ReasonNoTimeframe::$defaultProperties
    Type string[][]

protected static property Firstred\PostNL\Entity\ReasonNoTimeframe::$Code
    Type string | null

protected static property Firstred\PostNL\Entity\ReasonNoTimeframe::$Date
    Type \DateTimeInterface | null

protected static property Firstred\PostNL\Entity\ReasonNoTimeframe::$Description
    Type string | null

protected static property Firstred\PostNL\Entity\ReasonNoTimeframe::$Options
    Type string[] | null

protected static property Firstred\PostNL\Entity\ReasonNoTimeframe::$From
    Type string | null

protected static property Firstred\PostNL\Entity\ReasonNoTimeframe::$To
    Type string | null
```

Methods

```
public Firstred\PostNL\Entity\ReasonNoTimeframe::__construct ($Code=null,
                                                                $Date=null,
                                                                $Description=null,
                                                                $Options=null,
                                                                $From=null,
                                                                $To=null)
```

ReasonNoTimeframe constructor.

Parameters

- **\$Code** (string | null)
- **\$Date** (string | \DateTimeInterface | null)
- **\$Description** (string | null)
- **\$Options** (string[] | null)
- **\$From** (string | null)
- **\$To** (string | null)

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

public Firstred\PostNL\Entity\ReasonNoTimeframe::**setDate** (\$date=null)

Set date

Parameters

- **\$date** (string | \DateTimeInterface | null)

Returns static

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.2.0

public static Firstred\PostNL\Entity\ReasonNoTimeframe::**jsonDeserialize** (\$json)

Parameters

- **\$json** (stdClass)

Returns mixed | \stdClass | null

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Since 1.2.0

public Firstred\PostNL\Entity\ReasonNoTimeframe::**xmlSerialize** (\$writer)

Return a serializable array for the XMLWriter.

Parameters

- **\$writer** (Sabre\Xml\Writer)

Returns void

Area

class Firstred\PostNL\Entity\Area

Class Area.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- `public __construct($CoordinatesNorthWest, $CoordinatesSouthEast)`

Properties

public property Firstred\PostNL\Entity\Area::\$defaultProperties

Type string[][]

protected static property Firstred\PostNL\Entity\Area::\$CoordinatesNorthWest

Type \Firstred\PostNL\Entity\Coordinates | null

protected static property Firstred\PostNL\Entity\Area::\$CoordinatesSouthEast

Type \Firstred\PostNL\Entity\Coordinates | null

Methods

public Firstred\PostNL\Entity\Area::__construct (*\$CoordinatesNorthWest=null,*
\$CoordinatesSouthEast=null)

Parameters

- **\$CoordinatesNorthWest** (*Firstred\PostNL\Entity\Coordinates* | null)
- **\$CoordinatesSouthEast** (*Firstred\PostNL\Entity\Coordinates* | null)

Contact

class Firstred\PostNL\Entity\Contact

Class Contact.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- `public __construct($ContactType, $Email, $SMSNr, $TelNr)`
- `public setTelNr($TelNr, $countryCode)`
- `public setSMSNr($SMSNr, $countryCode)`

Properties

```
public property Firstred\PostNL\Entity\Contact::$defaultProperties
    Type string[][]

protected static property Firstred\PostNL\Entity\Contact::$ContactType
    Type string | null

protected static property Firstred\PostNL\Entity\Contact::$Email
    Type string | null

protected static property Firstred\PostNL\Entity\Contact::$SMSNr
    Type string | null

protected static property Firstred\PostNL\Entity\Contact::$TelNr
    Type string | null
```

Methods

```
public Firstred\PostNL\Entity\Contact::__construct ($ContactType=null,
                                                    $Email=null, $SMSNr=null,
                                                    $TelNr=null)
```

Contact constructor.

Parameters

- **\$ContactType** (string | null)
- **\$Email** (string | null)
- **\$SMSNr** (string | null)
- **\$TelNr** (string | null)

Throws \libphonenumber\NumberParseException

```
public Firstred\PostNL\Entity\Contact::setTelNr ($TelNr=null, $countryCode=null)
```

Set the telephone number.

Parameters

- **\$TelNr** (string | null)
- **\$countryCode** (string | null)

Returns static

Throws \libphonenumber\NumberParseException

Since 1.0.0

Since 1.0.0

```
public Firstred\PostNL\Entity\Contact::setSMSNr ($SMSNr=null, $countryCode=null)
```

Set the mobile number.

Parameters

- **\$SMSNr** (string | null)
- **\$countryCode** (string | null)

Returns static

Throws `\libphonenumber\NumberParseException`

Since 1.0.0

Since 1.0.0

Event

class `Firstred\PostNL\Entity\Event`

Class Event.

Parent `Firstred\PostNL\Entity\AbstractEntity`

Summary

Methods

- `public __construct($CompleteStatusResponseEvent)`

Properties

public property `Firstred\PostNL\Entity\Event::$defaultProperties`

Type `string[][]`

protected static property `Firstred\PostNL\Entity\Event::$CompleteStatusResponseEvent`

Type `\Firstred\PostNL\Entity\Response\CompleteStatusResponseEvent`
| null

Methods

public `Firstred\PostNL\Entity\Event::__construct($CompleteStatusResponseEvent=null)`

Parameters

- **\$CompleteStatusResponseEvent** (`Firstred\PostNL\Entity\Response\CompleteStatusResponseEvent` | null)

AbstractEntity

class `Firstred\PostNL\Entity\AbstractEntity`

Class Entity.

Implements `JsonSerializable` `Firstred\PostNL\Util\XmlSerializable`

Summary

Methods

- `public __construct()`
- `public static create($properties)`
- `public __call($name, $value)`
- `public jsonSerialize()`
- `public xmlSerialize($writer)`
- `public static jsonDeserialize($json)`
- `public static xmlDeserialize($xml)`
- `public static shouldBeAnArray($fqcn, $propertyName)`
- `public static getFullyQualifiedEntityClassName($shortName)`

Properties

public property Firstred\PostNL\Entity\AbstractEntity::\$defaultProperties

Type array

protected static property Firstred\PostNL\Entity\AbstractEntity::\$id

Type string

protected static property Firstred\PostNL\Entity\AbstractEntity::\$currentService

Type string

Methods

public Firstred\PostNL\Entity\AbstractEntity::__construct()

AbstractEntity constructor.

public static Firstred\PostNL\Entity\AbstractEntity::create(*\$properties=*`\`)

Create an instance of this class without touching the constructor.

Parameters

- **\$properties** (array)

Returns object | null

Since 1.0.0

public Firstred\PostNL\Entity\AbstractEntity::__call(\$name, \$value)

Parameters

- **\$name** (string)
- **\$value** (mixed)

Returns object | null

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`


```
public Firstred\PostNL\Entity\AbstractEntity::jsonSerialize()
```

Return a serializable array for `json_encode`.

Returns array

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

```
public Firstred\PostNL\Entity\AbstractEntity::xmlSerialize($writer)
```

Return a serializable array for the XMLWriter.

Parameters

- **\$writer** (Sabre\Xml\Writer)

Returns void

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

```
public static Firstred\PostNL\Entity\AbstractEntity::jsonDeserialize($json)
```

Deserialize JSON.

Parameters

- **\$json** (stdClass) JSON object {*"EntityName": object*}

Returns mixed

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

```
public static Firstred\PostNL\Entity\AbstractEntity::xmlDeserialize($xml)
```

Deserialize XML.

Parameters

- **\$xml** (array) Associative array representation of XML response, using Clark notation for namespaces

Returns *\Firstred\PostNL\Entity\AbstractEntity*

```
public static Firstred\PostNL\Entity\AbstractEntity::shouldBeAnArray($fqcn,  
                                                                    $prop-  
                                                                    er-  
                                                                    ty-  
                                                                    Name)
```

Whether the given property should bbe an array

Parameters

- **\$fqcn** (string)
- **\$propertyName** (string)

Returns false | string If found, singular name of property

Since 1.2.0

```
public static Firstred\PostNL\Entity\AbstractEntity::getFullyQualifiedEntityClassName ($s
```

Get the fully qualified class name for the given entity name.

Parameters

- **\$shortName** (string)

Returns string The FQCN

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.2.0

Label

```
class Firstred\PostNL\Entity\Label
```

Class Label.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct (\$Content, \$ContentType, \$Labeltype)*

Constants

```
FORMAT_A4 = 1
```

```
FORMAT_A6 = 2
```

Properties

```
public property Firstred\PostNL\Entity\Label::$defaultProperties
```

Type string[][]

```
protected static property Firstred\PostNL\Entity\Label::$Content
```

Type string | null Base 64 encoded content

```
protected static property Firstred\PostNL\Entity\Label::$Contenttype
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Label::$Labeltype
```

Type string | null

Methods

```
public Firstred\PostNL\Entity\Label::__construct ($Content=null,      $Content-
                                         Type=null, $Labeltype=null)
```

Parameters

- **\$Content** (string | null)
- **\$ContentType** (string | null)
- **\$Labeltype** (string | null)

Expectation

```
class Firstred\PostNL\Entity\Expectation
```

Class Expectation.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct (\$ETAFFrom, \$ETATo)*
- *public setETAFFrom (\$ETAFFrom)*
- *public setETATo (\$ETATo)*

Properties

```
public property Firstred\PostNL\Entity\Expectation::$defaultProperties
```

Type string[][]

```
protected static property Firstred\PostNL\Entity\Expectation::$ETAFFrom
```

Type \DateTimeInterface | null

```
protected static property Firstred\PostNL\Entity\Expectation::$ETATo
```

Type \DateTimeInterface | null

Methods

```
public Firstred\PostNL\Entity\Expectation::__construct ($ETAFFrom=null,
                                         $ETATo=null)
```

Parameters

- **\$ETAFFrom** (DateTimeInterface | string | null)
- **\$ETATo** (DateTimeInterface | string | null)

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

```
public Firstred\PostNL\Entity\Expectation::setETAFFrom ($ETAFFrom=null)
```

Parameters

- **\$ETAFrom** (DateTimeInterface | string | null)

Returns static

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.2.0

```
public Firstred\PostNL\Entity\Expectation::setETATo ($ETATo=null)
```

Parameters

- **\$ETATo** (DateTimeInterface | string | null)

Returns static

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.2.0

Timeframes

```
class Firstred\PostNL\Entity\Timeframes
```

Class Timeframes.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct (\$timeframes, \$timeframetimeframes)*
- *public jsonSerialize ()*

Properties

```
public property Firstred\PostNL\Entity\Timeframes::$defaultProperties
```

Type string[][]

```
protected static property Firstred\PostNL\Entity\Timeframes::$Timeframes
```

Type *\Firstred\PostNL\Entity\Timeframe[]* | null

```
protected static property Firstred\PostNL\Entity\Timeframes::$TimeframeTimeFrames
```

Type *\Firstred\PostNL\Entity\TimeframeTimeFrame[]* | null

Methods

```
public Firstred\PostNL\Entity\Timeframes::__construct ($timeframes=null, $timeframetimeframes=null)
```

Timeframes constructor.

Parameters

- **\$timeframes** (array | null)

- **\$timeframetimeframes** (*Firstred\PostNL\Entity\TimeframeTimeFrame[] | null*)

public Firstred\PostNL\Entity\Timeframes::jsonSerialize()

Return a serializable array for `json_encode`.

Returns array

Group

class Firstred\PostNL\Entity\Group

Class Group.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$GroupCount, \$GroupSequence, \$GroupType, \$MainBarcode)*

Properties

public property Firstred\PostNL\Entity\Group::\$defaultProperties
Type string[][]

protected static property Firstred\PostNL\Entity\Group::\$GroupCount

Amount of shipments in the group.

Type string | null

protected static property Firstred\PostNL\Entity\Group::\$GroupSequence

Sequence number.

Type string | null

protected static property Firstred\PostNL\Entity\Group::\$GroupType

The type of group.

Possible values:

- `01`: Collection request
- `03`: Multiple parcels in one shipment (multi-colli)
- `04`: Single parcel in one shipment

Type string | null

protected static property Firstred\PostNL\Entity\Group::\$MainBarcode

Main barcode for the shipment.

Type string | null

Methods

```
public Firstred\PostNL\Entity\Group::__construct($GroupCount=null, $GroupSequence=null, $GroupType=null, $MainBarcode=null)
```

Group Constructor.

Parameters

- **\$GroupCount** (string | null)
- **\$GroupSequence** (string | null)
- **\$GroupType** (string | null)
- **\$MainBarcode** (string | null)

Address

```
class Firstred\PostNL\Entity\Address
```

Class Address.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$AddressType, \$FirstName, \$Name, \$CompanyName, \$Street, \$HouseNr, \$HouseNrExt, \$Zipcode, \$City, \$Countrycode, \$Area, \$BuildingName, \$Department, \$Doorcode, \$Floor, \$Region, \$Remark, \$StreetHouseNrExt)*
- *public setZipcode(\$Zipcode)*
- *public setAddressType(\$AddressType)*

Properties

public property Firstred\PostNL\Entity\Address::\$defaultProperties

Type string[][]

protected static property Firstred\PostNL\Entity\Address::\$AddressType

Type string | null PostNL internal applications validate the receiver address. In case the spelling of addresses should be different according to our PostNL information, the address details will be corrected. This can be noticed in Track & Trace.

Please note that the webservice will not add address details. Street and City fields will only be printed when they are in the call towards the labeling webservice.

The element Address type is a code in the request. Possible values are:

Code Description 01 Receiver 02 Sender 03 Alternative sender address 04 Collection address (In the orders need to be collected first) 08 Return address* 09 Drop off location (for use with Pick up at PostNL location)

> * When using the 'label in the box return label', it is mandatory to use an > `Antwoord-nummer` in AddressType 08. > This cannot be a regular address

The following rules apply: If there is no Address specified with AddressType = 02, the data from Customer/Address will be added to the list as AddressType 02. If there is no Customer/Address, the message will be rejected.

At least one other AddressType must be specified, other than AddressType 02 In most cases this will be AddressType 01, the receiver address.

protected static property Firstred\PostNL\Entity\Address::\$Area

Type string | null

protected static property Firstred\PostNL\Entity\Address::\$Buildingname

Type string | null

protected static property Firstred\PostNL\Entity\Address::\$City

Type string | null

protected static property Firstred\PostNL\Entity\Address::\$CompanyName

Type string | null

protected static property Firstred\PostNL\Entity\Address::\$Countrycode

Type string | null

protected static property Firstred\PostNL\Entity\Address::\$Department

Type string | null

protected static property Firstred\PostNL\Entity\Address::\$Doorcode

Type string | null

protected static property Firstred\PostNL\Entity\Address::\$FirstName

Type string | null

protected static property Firstred\PostNL\Entity\Address::\$Floor

Type string | null

protected static property Firstred\PostNL\Entity\Address::\$HouseNr

Type string | null

protected static property Firstred\PostNL\Entity\Address::\$HouseNrExt

```
    Type string | null
protected static property Firstred\PostNL\Entity\Address::$StreetHouseNrExt
    Type string | null
protected static property Firstred\PostNL\Entity\Address::$Name
    Type string | null
protected static property Firstred\PostNL\Entity\Address::$Region
    Type string | null
protected static property Firstred\PostNL\Entity\Address::$Remark
    Type string | null
protected static property Firstred\PostNL\Entity\Address::$Street
    Type string | null
protected static property Firstred\PostNL\Entity\Address::$Zipcode
    Type string | null
protected static property Firstred\PostNL\Entity\Address::$other
    Type array | null Array with optional properties
```

Methods

```
public Firstred\PostNL\Entity\Address::__construct ($AddressType=null, $FirstName=null, $Name=null,
                                                    $CompanyName=null,
                                                    $Street=null, $HouseNr=null,
                                                    $HouseNrExt=null, $Zipcode=null, $City=null,
                                                    $Countrycode=null,
                                                    $Area=null, $BuildingName=null, $Department=null,
                                                    $Doorcode=null,
                                                    $Floor=null, $Region=null,
                                                    $Remark=null, $StreetHouseNrExt=null)
```

Parameters

- **\$AddressType** (string | null)
- **\$FirstName** (string | null)
- **\$Name** (string | null)
- **\$CompanyName** (string | null)
- **\$Street** (string | null)
- **\$HouseNr** (string | null)
- **\$HouseNrExt** (string | null)
- **\$Zipcode** (string | null)
- **\$City** (string | null)
- **\$Countrycode** (string | null)
- **\$Area** (string | null)
- **\$BuildingName** (string | null)

- **\$Department** (string | null)
- **\$Doorcode** (string | null)
- **\$Floor** (string | null)
- **\$Region** (string | null)
- **\$Remark** (string | null)
- **\$StreetHouseNrExt** (string | null)

```
public Firstred\PostNL\Entity\Address::setZipcode ($Zipcode=null)
```

Set postcode.

Parameters

- **\$Zipcode** (string | null)

Returns static

```
public Firstred\PostNL\Entity\Address::setAddressType ($AddressType=null)
```

Set the AddressType.

Parameters

- **\$AddressType** (int | string | null)

Returns static

Customer

```
class Firstred\PostNL\Entity\Customer
```

Class Customer.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$CustomerNumber, \$CustomerCode, \$CollectionLocation, \$ContactPerson, \$Email, \$Name, \$Address, \$GlobalPackCustomerCode, \$GlobalPackBarcodeType)*

Properties

```
public property Firstred\PostNL\Entity\Customer::$defaultProperties
    Type string[][]

protected static property Firstred\PostNL\Entity\Customer::$Address
    Type \Firstred\PostNL\Entity\Address | null

protected static property Firstred\PostNL\Entity\Customer::$CollectionLocation
    Type string | null

protected static property Firstred\PostNL\Entity\Customer::$ContactPerson
    Type string | null

protected static property Firstred\PostNL\Entity\Customer::$CustomerCode
    Type string | null

protected static property Firstred\PostNL\Entity\Customer::$CustomerNumber
    Type string | null

protected static property Firstred\PostNL\Entity\Customer::$GlobalPackCustomerCode
    Type string | null

protected static property Firstred\PostNL\Entity\Customer::$GlobalPackBarcodeType
    Type string | null

protected static property Firstred\PostNL\Entity\Customer::$Email
    Type string | null

protected static property Firstred\PostNL\Entity\Customer::$Name
    Type string | null
```

Methods

```
public Firstred\PostNL\Entity\Customer::__construct ($CustomerNumber=null,
                                                    $CustomerCode=null,
                                                    $CollectionLocation=null,
                                                    $ContactPerson=null,
                                                    $Email=null, $Name=null,
                                                    $Address=null, $Global-
                                                    PackCustomerCode=null,
                                                    $GlobalPackBarcode-
                                                    Type=null)
```

Parameters

- **\$CustomerNumber** (string | null)
- **\$CustomerCode** (string | null)
- **\$CollectionLocation** (string | null)
- **\$ContactPerson** (string | null)
- **\$Email** (string | null)
- **\$Name** (string | null)
- **\$Address** (*Firstred\PostNL\Entity\Address* | null)
- **\$GlobalPackCustomerCode** (string | null)

- **\$GlobalPackBarcodeType** (string | null)

Coordinates

class Firstred\PostNL\Entity\Coordinates

Class Coordinates.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$Latitude, \$Longitude)*

Properties

public property Firstred\PostNL\Entity\Coordinates::\$defaultProperties

Type string[][]

protected static property Firstred\PostNL\Entity\Coordinates::\$Latitude

Type string | null

protected static property Firstred\PostNL\Entity\Coordinates::\$Longitude

Type string | null

Methods

public Firstred\PostNL\Entity\Coordinates::__construct (*\$Latitude=null, \$Longitude=null*)

Parameters

- **\$Latitude** (string)
- **\$Longitude** (string)

Signature

class Firstred\PostNL\Entity\Signature

Class Signature.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- `public __construct($GetSignatureResponseSignature, $Warnings)`

Properties

public property Firstred\PostNL\Entity\Signature::\$defaultProperties

Type string[][]

protected static property Firstred\PostNL\Entity\Signature::\$GetSignatureResponseSignature

Type \Firstred\PostNL\Entity\Response\GetSignatureResponseSignature
| null

protected static property Firstred\PostNL\Entity\Signature::\$Warnings

Type \Firstred\PostNL\Entity\Warning[] | null

Methods

public Firstred\PostNL\Entity\Signature::__construct (*\$GetSignatureResponseSignature=null,*
\$Warnings=null)

Amount

class Firstred\PostNL\Entity\Amount

Class Amount.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- `public __construct($AccountName, $AmountType, $BIC, $Currency, $IBAN, $Reference, $TransactionNumber, $Value, $VerzekerdBedrag)`
- `public setAmountType($AmountType)`
- `public xmlSerialize($writer)`

Properties

```
public property Firstred\PostNL\Entity\Amount::$defaultProperties
    Type string[][]

protected static property Firstred\PostNL\Entity\Amount::$AccountName
    Type string | null

protected static property Firstred\PostNL\Entity\Amount::$AmountType
    Type string | null

protected static property Firstred\PostNL\Entity\Amount::$BIC
    Type string | null

protected static property Firstred\PostNL\Entity\Amount::$Currency
    Type string | null

protected static property Firstred\PostNL\Entity\Amount::$IBAN
    Type string | null

protected static property Firstred\PostNL\Entity\Amount::$Reference
    Type string | null

protected static property Firstred\PostNL\Entity\Amount::$TransactionNumber
    Type string | null

protected static property Firstred\PostNL\Entity\Amount::$Value
    Type string | null

protected static property Firstred\PostNL\Entity\Amount::$VerzekerdBedrag
    Type string | null
```

Methods

```
public Firstred\PostNL\Entity\Amount::__construct ($AccountName=null, $Amount-
Type=null, $BIC=null, $Cur-
rency=null, $IBAN=null,
$Reference=null, $Transac-
tionNumber=null, $Value=null,
$VerzekerdBedrag=null)
```

Parameters

- **\$AccountName** (string | null)
- **\$AmountType** (string | null)
- **\$BIC** (string | null)
- **\$Currency** (string | null)
- **\$IBAN** (string | null)
- **\$Reference** (string | null)
- **\$TransactionNumber** (string | null)
- **\$Value** (string | null)

```
public Firstred\PostNL\Entity\Amount::setAmountType ($AmountType=null)
```

Set amount type.

Parameters

- **\$AmountType** (string | int | null)

Returns static

```
public Firstred\PostNL\Entity\Amount::xmlSerialize($writer)
```

Return a serializable array for the XMLWriter.

Parameters

- **\$writer** (Sabre\Xml\Writer)

Returns void

Throws \InvalidArgumentException

Dimension

```
class Firstred\PostNL\Entity\Dimension
```

Class Dimension.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$Weight, \$Height, \$Length, \$Volume, \$Width)*

Properties

```
public property Firstred\PostNL\Entity\Dimension::$defaultProperties
```

Type string[][]

```
protected static property Firstred\PostNL\Entity\Dimension::$Height
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Dimension::$Length
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Dimension::$Volume
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Dimension::$Weight
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Dimension::$Width
```

Type string | null

Methods

```
public Firstred\PostNL\Entity\Dimension::__construct ($Weight=null,  
                                                    $Height=null,  
                                                    $Length=null,      $Volume=null, $Width=null)
```

Parameters

- **\$Weight** (string | null)
- **\$Height** (string | null)
- **\$Length** (string | null)
- **\$Volume** (string | null)
- **\$Width** (string | null)

Barcode

```
class Firstred\PostNL\Entity\Barcode
```

Class Barcode.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$Type, \$Range, \$Serie)*

Properties

```
public property Firstred\PostNL\Entity\Barcode::$defaultProperties
```

Type string[][]

```
protected static property Firstred\PostNL\Entity\Barcode::$Type
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Barcode::$Range
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Barcode::$Serie
```

Type string | null

Methods

```
public Firstred\PostNL\Entity\Barcode::__construct ($Type=null, $Range=null,  
                                                    $Serie='000000000\-  
                                                    999999999\')
```

Parameters

- **\$Type** (string | null)
- **\$Range** (string | null)
- **\$Serie** (string | null)

Location

```
class Firstred\PostNL\Entity\Location
```

Class Location.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$Postalcode, \$AllowSundaySorting, \$DeliveryDate, \$DeliveryOptions, \$Options, \$Coordinates, \$CoordinatesNorthWest, \$CoordinatesSouthEast, \$City, \$Street, \$HouseNr, \$HouseNrExt, \$LocationCode, \$Saleschannel, \$TerminalType, \$RetailNetworkID, \$DownPartnerID, \$DownPartnerLocation)*
- *public setDeliveryDate(\$DeliveryDate)*
- *public setPostalcode(\$Postalcode)*
- *public xmlSerialize(\$writer)*

Properties

```
public property Firstred\PostNL\Entity\Location::$defaultProperties
```

Type string[][]

```
protected static property Firstred\PostNL\Entity\Location::$AllowSundaySorting
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Location::$DeliveryDate
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Location::$DeliveryOptions
```

Type string[] | null

```
protected static property Firstred\PostNL\Entity\Location::$OpeningTime
```

Type string | null

```
protected static property Firstred\PostNL\Entity\Location::$Options
```

Type string[] | null

protected static property Firstred\PostNL\Entity\Location::\$City
Type string | null

protected static property Firstred\PostNL\Entity\Location::\$HouseNr
Type string | null

protected static property Firstred\PostNL\Entity\Location::\$HouseNrExt
Type string | null

protected static property Firstred\PostNL\Entity\Location::\$Postalcode
Type string | null

protected static property Firstred\PostNL\Entity\Location::\$Street
Type string | null

protected static property Firstred\PostNL\Entity\Location::\$Coordinates
Type *\Firstred\PostNL\Entity\Coordinates* | null

protected static property Firstred\PostNL\Entity\Location::\$CoordinatesNorthWest
Type *\Firstred\PostNL\Entity\CoordinatesNorthWest* | null

protected static property Firstred\PostNL\Entity\Location::\$CoordinatesSouthEast
Type *\Firstred\PostNL\Entity\CoordinatesSouthEast* | null

protected static property Firstred\PostNL\Entity\Location::\$LocationCode
Type string | null

protected static property Firstred\PostNL\Entity\Location::\$Saleschannel
Type string | null

protected static property Firstred\PostNL\Entity\Location::\$TerminalType
Type string | null

protected static property Firstred\PostNL\Entity\Location::\$RetailNetworkID
Type string | null

protected static property Firstred\PostNL\Entity\Location::\$DownPartnerID
Type string | null

protected static property Firstred\PostNL\Entity\Location::\$DownPartnerLocation
Type string | null

Methods

```
public Firstred\PostNL\Entity\Location::__construct ($Postalcode=null,      $AllowSundaySorting=null,
                                                    $DeliveryDate=null,
                                                    $DeliveryOptions=null,
                                                    $Options=null,      $Coordinates=null,
                                                    $CoordinatesNorthWest=null, $CoordinatesSouthEast=null,
                                                    $City=null,      $Street=null,
                                                    $HouseNr=null,      $HouseNrExt=null,
                                                    $LocationCode=null,      $Saleschannel=null,
                                                    $TerminalType=null,      $RetailNetworkID=null,
                                                    $DownPartnerID=null, $DownPartnerLocation=null)
```

Parameters

- **\$Postalcode** (string | null)
- **\$AllowSundaySorting** (string | null)
- **\$DeliveryDate** (string | \DateTimeInterface | null)
- **\$DeliveryOptions** (array | null)
- **\$Options** (array | null)
- **\$Coordinates** (*Firstred\PostNL\Entity\Coordinates* | null)
- **\$CoordinatesNorthWest** (*Firstred\PostNL\Entity\CoordinatesNorthWest* | null)
- **\$CoordinatesSouthEast** (*Firstred\PostNL\Entity\CoordinatesSouthEast* | null)
- **\$City** (string | null)
- **\$Street** (string | null)
- **\$HouseNr** (string | null)
- **\$HouseNrExt** (string | null)
- **\$LocationCode** (string | null)
- **\$Saleschannel** (string | null)
- **\$TerminalType** (string | null)
- **\$RetailNetworkID** (string | null)
- **\$DownPartnerID** (string | null)
- **\$DownPartnerLocation** (string | null)

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

```
public Firstred\PostNL\Entity\Location::setDeliveryDate ($DeliveryDate=null)
```

Parameters

- **\$DeliveryDate** (string | \DateTimeInterface | null)

Returns static

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.2.0

```
public Firstred\PostNL\Entity\Location::setPostalcode ($Postalcode=null)
```

Set the postcode.

Parameters

- **\$Postalcode** (string | null)

Returns *\Firstred\PostNL\Entity\Location*

```
public Firstred\PostNL\Entity\Location::xmlSerialize ($writer)
```

Return a serializable array for the XMLWriter.

Parameters

- **\$writer** (Sabre\Xml\Writer)

Returns void

ProductOption

```
class Firstred\PostNL\Entity\ProductOption
```

Class ProductOption.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct (\$Characteristic, \$Option)*

Properties

```
public property Firstred\PostNL\Entity\ProductOption::$defaultProperties
```

Type string[][]

```
protected static property Firstred\PostNL\Entity\ProductOption::$Characteristic
```

Type string | null

```
protected static property Firstred\PostNL\Entity\ProductOption::$Option
```

Type string | null

Methods

```
public Firstred\PostNL\Entity\ProductOption::__construct ($Characteristic=null,  
                                                         $Option=null)
```

Parameters

- **\$Characteristic** (string | null)
- **\$Option** (string | null)

Shipment

```
class Firstred\PostNL\Entity\Shipment
```

Class Shipment.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$Addresses, \$Amounts, \$Barcode, \$Contacts, \$Content, \$CollectionTimeStampEnd, \$CollectionTimeStampStart, \$CostCenter, \$Customer, \$CustomerOrderNumber, \$Customs, \$DeliveryAddress, \$DeliveryDate, \$Dimension, \$DownPartnerBarcode, \$DownPartnerID, \$DownPartnerLocation, \$Events, \$Groups, \$IDExpiration, \$IDNumber, \$IDType, \$OldStatuses, \$ProductCodeCollect, \$ProductCodeDelivery, \$ProductOptions, \$ReceiverDateOfBirth, \$Reference, \$ReferenceCollect, \$Remark, \$ReturnBarcode, \$ReturnReference, \$StatusCode, \$PhaseCode, \$DateFrom, \$DateTo, \$DeliveryTimeStampStart, \$DeliveryTimeStampEnd)*
- *public setCollectionTimeStampStart(\$CollectionTimeStampStart)*
- *public setCollectionTimeStampEnd(\$CollectionTimeStampEnd)*
- *public setDeliveryTimeStampStart(\$DeliveryTimeStampStart)*
- *public setDeliveryTimeStampEnd(\$DeliveryTimeStampEnd)*
- *public setDeliveryDate(\$DeliveryDate)*
- *public xmlSerialize(\$writer)*

Properties

```
public property Firstred\PostNL\Entity\Shipment::$defaultProperties
```

Type string[][]

```
protected static property Firstred\PostNL\Entity\Shipment::$Addresses
```

Type \Firstred\PostNL\Entity\Address[] | null

```
protected static property Firstred\PostNL\Entity\Shipment::$Amounts
```

Type \Firstred\PostNL\Entity\Amount[] | null

```
protected static property Firstred\PostNL\Entity\Shipment::$Barcode
```

Type string | null

protected static property Firstred\PostNL\Entity\Shipment::\$CollectionTimeStampEnd
Type \DateTimeInterface | null

protected static property Firstred\PostNL\Entity\Shipment::\$CollectionTimeStampStart
Type \DateTimeInterface | null

protected static property Firstred\PostNL\Entity\Shipment::\$Contacts
Type \Firstred\PostNL\Entity>Contact[] | null

protected static property Firstred\PostNL\Entity\Shipment::\$Content
Type string | null

protected static property Firstred\PostNL\Entity\Shipment::\$CostCenter
Type string | null

protected static property Firstred\PostNL\Entity\Shipment::\$CustomerOrderNumber
Type string | null

protected static property Firstred\PostNL\Entity\Shipment::\$Customer
Type \Firstred\PostNL\Entity\Customer | null

protected static property Firstred\PostNL\Entity\Shipment::\$Customs
Type \Firstred\PostNL\Entity\Customs | null

protected static property Firstred\PostNL\Entity\Shipment::\$StatusCode
Type string | null | \$StatusCode

protected static property Firstred\PostNL\Entity\Shipment::\$PhaseCode
Type int | null

protected static property Firstred\PostNL\Entity\Shipment::\$DateFrom
Type \DateTimeInterface | null

protected static property Firstred\PostNL\Entity\Shipment::\$DateTo
Type \DateTimeInterface | null

protected static property Firstred\PostNL\Entity\Shipment::\$DeliveryAddress
Type string | null

protected static property Firstred\PostNL\Entity\Shipment::\$DeliveryTimeStampStart
Type \DateTimeInterface | null

protected static property Firstred\PostNL\Entity\Shipment::\$DeliveryTimeStampEnd
Type \DateTimeInterface | null

protected static property Firstred\PostNL\Entity\Shipment::\$DeliveryDate
Type \DateTimeInterface | null

protected static property Firstred\PostNL\Entity\Shipment::\$Dimension
Type \Firstred\PostNL\Entity\Dimension | null

protected static property Firstred\PostNL\Entity\Shipment::\$DownPartnerBarcode
Type string | null

protected static property Firstred\PostNL\Entity\Shipment::\$DownPartnerID
Type string | null

protected static property Firstred\PostNL\Entity\Shipment::\$DownPartnerLocation

```
    Type string | null
protected static property Firstred\PostNL\Entity\Shipment::$Events
    Type \Firstred\PostNL\Entity\Event[] | null
protected static property Firstred\PostNL\Entity\Shipment::$Groups
    Type \Firstred\PostNL\Entity\Group[] | null
protected static property Firstred\PostNL\Entity\Shipment::$IDExpiration
    Type string | null
protected static property Firstred\PostNL\Entity\Shipment::$IDNumber
    Type string | null
protected static property Firstred\PostNL\Entity\Shipment::$IDType
    Type string | null
protected static property Firstred\PostNL\Entity\Shipment::$OldStatuses
    Type string | null
protected static property Firstred\PostNL\Entity\Shipment::$ProductCodeCollect
    Type string | null
protected static property Firstred\PostNL\Entity\Shipment::$ProductCodeDelivery
    Type string | null
protected static property Firstred\PostNL\Entity\Shipment::$ProductOptions
    Type \Firstred\PostNL\Entity\ProductOption[] | null
protected static property Firstred\PostNL\Entity\Shipment::$ReceiverDateOfBirth
    Type string | null
protected static property Firstred\PostNL\Entity\Shipment::$Reference
    Type string | null
protected static property Firstred\PostNL\Entity\Shipment::$ReferenceCollect
    Type string | null
protected static property Firstred\PostNL\Entity\Shipment::$Remark
    Type string | null
protected static property Firstred\PostNL\Entity\Shipment::$ReturnBarcode
    Type string | null
protected static property Firstred\PostNL\Entity\Shipment::$ReturnReference
    Type string | null
```

Methods

```
public Firstred\PostNL\Entity\Shipment::__construct ($Addresses=null,
                                                    $Amounts=null,      $Barcode=null, $Contacts=null,
                                                    $Content=null,      $CollectionTimeStampEnd=null,
                                                    $CollectionTimeStampStart=null, $CostCenter=null, $Customer=null,
                                                    $CustomerOrderNumber=null, $Customs=null,
                                                    $DeliveryAddress=null,
                                                    $DeliveryDate=null, $Dimension=null, $DownPartnerBarcode=null,
                                                    $DownPartnerID=null,
                                                    $DownPartnerLocation=null, $Events=null,
                                                    $Groups=null, $IDExpiration=null, $IDNumber=null,
                                                    $IDType=null,      $OldStatuses=null, $ProductCodeCollect=null, $ProductCodeDelivery=null,
                                                    $ProductOptions=null,
                                                    $ReceiverDateOfBirth=null,
                                                    $Reference=null, $ReferenceCollect=null, $Remark=null, $ReturnBarcode=null, $ReturnReference=null,
                                                    $StatusCode=null, $PhaseCode=null, $DateFrom=null,
                                                    $DateTo=null, $DeliveryTimeStampStart=null, $DeliveryTimeStampEnd=null)
```

Shipment constructor.

Parameters

- **\$Addresses** (*Firstred\PostNL\Entity\Address[]* | null)
- **\$Amounts** (array | null)
- **\$Barcode** (string | null)
- **\$Contacts** (*Firstred\PostNL\Entity>Contact[]* | null)
- **\$Content** (string | null)
- **\$CollectionTimeStampEnd** (string | \DateTimeInterface | null)
- **\$CollectionTimeStampStart** (string | \DateTimeInterface | null)
- **\$CostCenter** (string | null)
- **\$Customer** (*Firstred\PostNL\Entity\Customer* | null)
- **\$CustomerOrderNumber** (string | null)
- **\$Customs** (*Firstred\PostNL\Entity\Customs* | null)

- **\$DeliveryAddress** (string | null)
- **\$DeliveryDate** (string | \DateTimeInterface | null)
- **\$Dimension** (*Firstred\PostNL\Entity\Dimension* | null)
- **\$DownPartnerBarcode** (string | null)
- **\$DownPartnerID** (string | null)
- **\$DownPartnerLocation** (string | null)
- **\$Events** (*Firstred\PostNL\Entity\Event[]* | null)
- **\$Groups** (*Firstred\PostNL\Entity\Group[]* | null)
- **\$IDExpiration** (string | null)
- **\$IDNumber** (string | null)
- **\$IDType** (string | null)
- **\$OldStatuses** (array | null)
- **\$ProductCodeCollect** (string | null)
- **\$ProductCodeDelivery** (string | null)
- **\$ProductOptions** (*Firstred\PostNL\Entity\ProductOption[]* | null)
- **\$ReceiverDateOfBirth** (string | null)
- **\$Reference** (string | null)
- **\$ReferenceCollect** (string | null)
- **\$Remark** (string | null)
- **\$ReturnBarcode** (string | null)
- **\$ReturnReference** (string | null)
- **\$StatusCode** (string | null)
- **\$PhaseCode** (int | null)
- **\$DateFrom** (string | null)
- **\$DateTo** (string | null)
- **\$DeliveryTimeStampStart** (string | \DateTimeInterface | null)
- **\$DeliveryTimeStampEnd** (string | \DateTimeInterface | null)

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

public Firstred\PostNL\Entity\Shipment::**setCollectionTimeStampStart** (*\$CollectionTimeStampStart*=

Parameters

- **\$CollectionTimeStampStart** (string | \DateTimeInterface | null)

Returns static

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.2.0

public Firstred\PostNL\Entity\Shipment::**setCollectionTimeStampEnd** (*\$CollectionTimeStampEnd*=null

Parameters

- **\$CollectionTimeStampEnd** (string | \DateTimeInterface | null)

Returns static

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.2.0

```
public Firstred\PostNL\Entity\Shipment::setDeliveryTimeStampStart ($DeliveryTimeStampStart=null)
```

Parameters

- **\$DeliveryTimeStampStart** (string | \DateTimeInterface | null)

Returns static

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.2.0

```
public Firstred\PostNL\Entity\Shipment::setDeliveryTimeStampEnd ($DeliveryTimeStampEnd=null)
```

Parameters

- **\$DeliveryTimeStampEnd** (string | \DateTimeInterface | null)

Returns static

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.2.0

```
public Firstred\PostNL\Entity\Shipment::setDeliveryDate ($DeliveryDate=null)
```

Parameters

- **\$DeliveryDate** (string | \DateTimeInterface | null)

Returns static

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.2.0

```
public Firstred\PostNL\Entity\Shipment::xmlSerialize ($writer)
```

Return a serializable array for the XMLWriter.

Parameters

- **\$writer** (Sabre\Xml\Writer)

Returns void

Status

```
class Firstred\PostNL\Entity\Status
```

Class Status.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- `public __construct($PhaseCode, $PhaseDescription, $StatusCode, $StatusDescription, $TimeStamp)`
- `public setTimeStamp($TimeStamp)`
- `public getCurrentStatusPhaseCode()`
- `public getCurrentStatusPhaseDescription()`
- `public getCurrentStatusStatusCode()`
- `public getCurrentStatusStatusDescription()`
- `public getCurrentStatusTimeStamp()`
- `public getCompleteStatusPhaseCode()`
- `public getCompleteStatusPhaseDescription()`
- `public getCompleteStatusStatusCode()`
- `public getCompleteStatusStatusDescription()`
- `public getCompleteStatusTimeStamp()`

Properties

public property Firstred\PostNL\Entity\Status::\$defaultProperties

Type string[][]

protected static property Firstred\PostNL\Entity\Status::\$PhaseCode

Type string | null

protected static property Firstred\PostNL\Entity\Status::\$PhaseDescription

Type string | null

protected static property Firstred\PostNL\Entity\Status::\$StatusCode

Type string | null

protected static property Firstred\PostNL\Entity\Status::\$StatusDescription

Type string | null

protected static property Firstred\PostNL\Entity\Status::\$TimeStamp

Type \DateTimeInterface | null

Methods

public Firstred\PostNL\Entity\Status::__construct (*\$PhaseCode=null,*
\$PhaseDescription=null,
\$StatusCode=null, \$Status-
Description=null, \$TimeS-
tamp=null)

Status constructor.

Parameters

- **\$PhaseCode** (string | null)
- **\$PhaseDescription** (string | null)
- **\$StatusCode** (string | null)
- **\$StatusDescription** (string | null)
- **\$TimeStamp** (string | \DateTimeInterface | null)

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

public Firstred\PostNL\Entity\Status::**setTimeStamp** (\$TimeStamp=null)

Parameters

- **\$TimeStamp** (string | \DateTimeInterface | null)

Returns static

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.2.0

public Firstred\PostNL\Entity\Status::**getCurrentStatusPhaseCode** ()

Backward compatible with SOAP API

Returns string | null

Since 1.2.0

public Firstred\PostNL\Entity\Status::**getCurrentStatusPhaseDescription** ()

Backward compatible with SOAP API

Returns string | null

Since 1.2.0

public Firstred\PostNL\Entity\Status::**getCurrentStatusStatusCode** ()

Backward compatible with SOAP API

Returns string | null

Since 1.2.0

public Firstred\PostNL\Entity\Status::**getCurrentStatusStatusDescription** ()

Backward compatible with SOAP API

Returns string | null

Since 1.2.0

public Firstred\PostNL\Entity\Status::**getCurrentStatusTimeStamp** ()

Backward compatible with SOAP API

Returns string | null

Since 1.2.0

```
public Firstred\PostNL\Entity\Status::getCompleteStatusPhaseCode()
```

Backward compatible with SOAP API

Returns string | null

Since 1.2.0

```
public Firstred\PostNL\Entity\Status::getCompleteStatusPhaseDescription()
```

Backward compatible with SOAP API

Returns string | null

Since 1.2.0

```
public Firstred\PostNL\Entity\Status::getCompleteStatusStatusCode()
```

Backward compatible with SOAP API

Returns string | null

Since 1.2.0

```
public Firstred\PostNL\Entity\Status::getCompleteStatusStatusDescription()
```

Backward compatible with SOAP API

Returns string | null

Since 1.2.0

```
public Firstred\PostNL\Entity\Status::getCompleteStatusTimeStamp()
```

Backward compatible with SOAP API

Returns string | null

Since 1.2.0

Timeframe

```
class Firstred\PostNL\Entity\Timeframe
```

Class Timeframe.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$City, \$CountryCode, \$Date, \$EndDate, \$HouseNr, \$HouseNrExt, \$Options, \$PostalCode, \$Street, \$SundaySorting, \$Interval, \$Range, \$Timeframes, \$StartDate)*
- *public setDate(\$Date)*
- *public setStartDate(\$StartDate)*
- *public setEndDate(\$EndDate)*
- *public setPostalCode(\$PostalCode)*
- *public jsonSerialize()*
- *public xmlSerialize(\$writer)*

Properties

public property Firstred\PostNL\Entity\Timeframe::\$defaultProperties

Type string[][]

protected static property Firstred\PostNL\Entity\Timeframe::\$City

Type string | null

protected static property Firstred\PostNL\Entity\Timeframe::\$CountryCode

Type string | null

protected static property Firstred\PostNL\Entity\Timeframe::\$Date

Type \DateTimeInterface | null

protected static property Firstred\PostNL\Entity\Timeframe::\$EndDate

Type \DateTimeInterface | null

protected static property Firstred\PostNL\Entity\Timeframe::\$HouseNr

Type string | null

protected static property Firstred\PostNL\Entity\Timeframe::\$HouseNrExt

Type string | null

protected static property Firstred\PostNL\Entity\Timeframe::\$Options

Type string[] | null

protected static property Firstred\PostNL\Entity\Timeframe::\$PostalCode

Type string | null

protected static property Firstred\PostNL\Entity\Timeframe::\$StartDate

Type string | null

protected static property Firstred\PostNL\Entity\Timeframe::\$Street

Type string | null

protected static property Firstred\PostNL\Entity\Timeframe::\$SundaySorting

Type string | null

protected static property Firstred\PostNL\Entity\Timeframe::\$Interval

Type string | null

protected static property Firstred\PostNL\Entity\Timeframe::\$**TimeframeRange**

Type string | null

protected static property Firstred\PostNL\Entity\Timeframe::\$**Timeframes**

Type *\Firstred\PostNL\Entity\TimeframeTimeFrame[]* | *\Firstred\PostNL\Entity\Timeframe[]* | null

Methods

```
public Firstred\PostNL\Entity\Timeframe::__construct ( $City=null, $CountryCode=null, $Date=null,  
                                                    $EndDate=null,  
                                                    $HouseNr=null, $HouseNrExt=null, $Options=\\,  
                                                    $PostalCode=null,  
                                                    $Street=null, $SundaySorting='false', $Interval=null, $Range=null,  
                                                    $Timeframes=null, $StartDate=null)
```

Timeframe constructor.

Parameters

- **\$City** (string | null)
- **\$CountryCode** (string | null)
- **\$Date** (string | \DateTimeInterface | null)
- **\$EndDate** (string | \DateTimeInterface | null)
- **\$HouseNr** (string | null)
- **\$HouseNrExt** (string | null)
- **\$Options** (array | null)
- **\$PostalCode** (string | null)
- **\$Street** (string | null)
- **\$SundaySorting** (string | null)
- **\$Interval** (string | null)
- **\$Range** (string | null)
- **\$Timeframes** (*Firstred\PostNL\Entity\Timeframe[]* | null)
- **\$StartDate** (string | \DateTimeInterface | null)

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

```
public Firstred\PostNL\Entity\Timeframe::setDate ($Date=null)
```

Parameters

- **\$Date** (null)

Returns static

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.2.0

```
public Firstred\PostNL\Entity\Timeframe::setStartDate ($StartDate=null)
```

Parameters

- **\$StartDate** (string | \DateTimeInterface | null)

Returns static

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.2.0

```
public Firstred\PostNL\Entity\Timeframe::setEndDate ($EndDate=null)
```

Parameters

- **\$EndDate** (string | \DateTimeInterface | null)

Returns static

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.2.0

```
public Firstred\PostNL\Entity\Timeframe::setPostalCode ($PostalCode=null)
```

Set the postcode.

Parameters

- **\$PostalCode** (string | null)

Returns static

```
public Firstred\PostNL\Entity\Timeframe::jsonSerialize ()
```

Return a serializable array for `json_encode`.

Returns array

```
public Firstred\PostNL\Entity\Timeframe::xmlSerialize ($writer)
```

Return a serializable array for the XMLWriter.

Parameters

- **\$writer** (Sabre\Xml\Writer)

Returns void

Throws *\InvalidArgumentException*

Customs

```
class Firstred\PostNL\Entity\Customs
```

Class Customs.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- `public __construct($Certificate, $CertificateNr, $Content, $Currency, $HandleAsNonDeliverable, $Invoice, $InvoiceNr, $License, $LicenseNr, $ShipmentType)`

Properties

```
public property Firstred\PostNL\Entity\Customs::$defaultProperties
    Type string[][]

protected static property Firstred\PostNL\Entity\Customs::$Certificate
    Type string|null

protected static property Firstred\PostNL\Entity\Customs::$CertificateNr
    Type string|null

protected static property Firstred\PostNL\Entity\Customs::$Content
    Type \Firstred\PostNL\Entity\Content[]|null

protected static property Firstred\PostNL\Entity\Customs::$Currency
    Type string|null

protected static property Firstred\PostNL\Entity\Customs::$HandleAsNonDeliverable
    Type string|null

protected static property Firstred\PostNL\Entity\Customs::$Invoice
    Type string|null

protected static property Firstred\PostNL\Entity\Customs::$InvoiceNr
    Type string|null

protected static property Firstred\PostNL\Entity\Customs::$License
    Type string|null

protected static property Firstred\PostNL\Entity\Customs::$LicenseNr
    Type string|null

protected static property Firstred\PostNL\Entity\Customs::$ShipmentType
    Type string|null
```

Methods

```
public Firstred\PostNL\Entity\Customs::__construct ($Certificate=null,      $Cer-
                                                    tificateNr=null,      $Con-
                                                    tent=null,      $Currency=null,
                                                    $HandleAsNonDeliver-
                                                    able=null,      $Invoice=null,
                                                    $InvoiceNr=null,      $Li-
                                                    cense=null, $LicenseNr=null,
                                                    $ShipmentType=null)
```

Parameters

- **\$Certificate** (string | null)
- **\$CertificateNr** (string | null)
- **\$Content** (*Firstred\PostNL\Entity\Content[]* | null)
- **\$Currency** (string | null)
- **\$HandleAsNonDeliverable** (string | null)
- **\$Invoice** (string | null)
- **\$InvoiceNr** (string | null)
- **\$License** (string | null)
- **\$LicenseNr** (string | null)
- **\$ShipmentType** (string | null)

TimeframeTimeFrame

```
class Firstred\PostNL\Entity\TimeframeTimeFrame
```

Class TimeframeTimeFrame.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$GetSentDate, \$From, \$To, \$Options)*
- *public setDate(\$Date)*
- *public static jsonDeserialize(\$json)*

Properties

```
public property Firstred\PostNL\Entity\TimeframeTimeFrame::$defaultProperties
```

Type string[][]

```
protected static property Firstred\PostNL\Entity\TimeframeTimeFrame::$Date
```

Type string | null

```
protected static property Firstred\PostNL\Entity\TimeframeTimeFrame::$From
```

Type string | null

```
protected static property Firstred\PostNL\Entity\TimeframeTimeFrame::$Options
```

Type string[] | null

```
protected static property Firstred\PostNL\Entity\TimeframeTimeFrame::$To
```

Type string | null

Methods

```
public Firstred\PostNL\Entity\TimeframeTimeFrame::__construct ($GetSentDate=null,  
                                                                $From=null,  
                                                                $To=null,  
                                                                $Options=null)
```

Parameters

- **\$GetSentDate** (string | \DateTimeInterface | null)
- **\$From** (string | null)
- **\$To** (string | null)
- **\$Options** (string[] | null)

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

```
public Firstred\PostNL\Entity\TimeframeTimeFrame::setDate ($Date=null)
```

Parameters

- **\$Date** (string | \DateTimeInterface | null)

Returns static

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.2.0

```
public static Firstred\PostNL\Entity\TimeframeTimeFrame::jsonDeserialize ($json)
```

Parameters

- **\$json** (stdClass)

Returns mixed | \stdClass | null

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Since 1.2.0

CoordinatesNorthWest

```
class Firstred\PostNL\Entity\CoordinatesNorthWest
```

Class CoordinatesNorthWest.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- `public __construct($Latitude, $Longitude)`

Properties

```
public property Firstred\PostNL\Entity\CoordinatesNorthWest::$defaultProperties
    Type string[][]
protected static property Firstred\PostNL\Entity\CoordinatesNorthWest::$Latitude
    Type string | null
protected static property Firstred\PostNL\Entity\CoordinatesNorthWest::$Longitude
    Type string | null
```

Methods

```
public Firstred\PostNL\Entity\CoordinatesNorthWest::__construct ($Latitude=null,
                                                                $Longitude=null)
```

Parameters

- **\$Latitude** (string)
- **\$Longitude** (string)

CutOffTime

```
class Firstred\PostNL\Entity\CutOffTime
```

Class CutOffTime.

Parent `Firstred\PostNL\Entity\AbstractEntity`

Summary

Methods

- `public __construct($Day, $Time, $Available)`
- `public xmlSerialize($writer)`

Properties

```
public property Firstred\PostNL\Entity\CutOffTime::$defaultProperties
    Type string[][]
protected static property Firstred\PostNL\Entity\CutOffTime::$Day
    Type string | null
protected static property Firstred\PostNL\Entity\CutOffTime::$Time
    Type string | null
protected static property Firstred\PostNL\Entity\CutOffTime::$Available
    Type bool | null
```

Methods

```
public Firstred\PostNL\Entity\CutOffTime::__construct ($Day=null, $Time=null,  
                                                    $Available=null)
```

Parameters

- **\$Day** (string)
- **\$Time** (string)
- **\$Available** (bool)

```
public Firstred\PostNL\Entity\CutOffTime::xmlSerialize ($writer)
```

Return a serializable array for the XMLWriter.

Parameters

- **\$writer** (Sabre\Xml\Writer)

Returns void

Content

```
class Firstred\PostNL\Entity\Content
```

Class Content.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Summary

Methods

- *public __construct(\$CountryOfOrigin, \$Description, \$HSTariffNr, \$Quantity, \$Value, \$Weight, \$Content)*

Properties

```
public property Firstred\PostNL\Entity\Content::$defaultProperties
    Type string[][]

protected static property Firstred\PostNL\Entity\Content::$CountryOfOrigin
    Type string | null

protected static property Firstred\PostNL\Entity\Content::$Description
    Type string | null

protected static property Firstred\PostNL\Entity\Content::$HSTariffNr
    Type string | null

protected static property Firstred\PostNL\Entity\Content::$Quantity
    Type string | null

protected static property Firstred\PostNL\Entity\Content::$Value
    Type string | null

protected static property Firstred\PostNL\Entity\Content::$Weight
    Type string | null

protected static property Firstred\PostNL\Entity\Content::$Content
    Type \Firstred\PostNL\Entity\Content[] | null
```

Methods

```
public Firstred\PostNL\Entity\Content::__construct ($CountryOfOrigin=null,
                                                    $Description=null, $HSTar-
                                                    iffNr=null, $Quantity=null,
                                                    $Value=null, $Weight=null,
                                                    $Content=null)
```

Parameters

- **\$CountryOfOrigin** (string | null)
- **\$Description** (string | null)
- **\$HSTariffNr** (string | null)
- **\$Quantity** (string | null)
- **\$Value** (string | null)
- **\$Weight** (string | null)
- **\$Content** (*Firstred\PostNL\Entity\Content[]* | null)

OpeningHours

class Firstred\PostNL\Entity\OpeningHours

Class OpeningHours.

Parent *Firstred\PostNL\Entity\AbstractEntity*

Implements *ArrayAccess* *Iterator*

Summary

Methods

- *public __construct(\$Monday, \$Tuesday, \$Wednesday, \$Thursday, \$Friday, \$Saturday, \$Sunday)*
- *public static jsonDeserialize(\$json)*
- *public toArray()*
- *public offsetExists(\$offset)*
- *public offsetGet(\$offset)*
- *public offsetSet(\$offset, \$value)*
- *public offsetUnset(\$offset)*
- *public current()*
- *public next()*
- *public key()*
- *public valid()*
- *public rewind()*

Properties

public property Firstred\PostNL\Entity\OpeningHours::\$defaultProperties

Type *string[][]*

protected static property Firstred\PostNL\Entity\OpeningHours::\$Monday

Type *string | null*

protected static property Firstred\PostNL\Entity\OpeningHours::\$Tuesday

Type *string | null*

protected static property Firstred\PostNL\Entity\OpeningHours::\$Wednesday

Type *string | null*

protected static property Firstred\PostNL\Entity\OpeningHours::\$Thursday

Type *string | null*

protected static property Firstred\PostNL\Entity\OpeningHours::\$Friday

Type *string | null*

protected static property Firstred\PostNL\Entity\OpeningHours::\$Saturday

Type string | null

protected static property Firstred\PostNL\Entity\OpeningHours::\$**Sunday**

Type string | null

Methods

```
public Firstred\PostNL\Entity\OpeningHours::__construct ($Monday=\\', $Tuesday=\\', $Wednesday=\\', $Thursday=\\', $Friday=\\', $Saturday=\\', $Sunday=\\')
```

OpeningHours constructor.

Parameters

- **\$Monday** (string | null)
- **\$Tuesday** (string | null)
- **\$Wednesday** (string | null)
- **\$Thursday** (string | null)
- **\$Friday** (string | null)
- **\$Saturday** (string | null)
- **\$Sunday** (string | null)

```
public static Firstred\PostNL\Entity\OpeningHours::jsonDeserialize ($json)
```

Deserialize opening hours

Parameters

- **\$json** (stdClass)

Returns *\Firstred\PostNL\Entity\OpeningHours*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.0.0

```
public Firstred\PostNL\Entity\OpeningHours::toArray ()
```

Returns array

```
public Firstred\PostNL\Entity\OpeningHours::offsetExists ($offset)
```

Parameters

- **\$offset** (mixed)

Returns bool

Since 1.2.0

```
public Firstred\PostNL\Entity\OpeningHours::offsetGet ($offset)
```

Parameters

- **\$offset** (mixed)

Returns array**Throws** *\Firstred\PostNL\Exception\InvalidArgumentException***Since** 1.2.0**public** Firstred\PostNL\Entity\OpeningHours::offsetSet (*\$offset*, *\$value*)**Parameters**

- **\$offset** (mixed)
- **\$value** (mixed)

Since 1.2.0**public** Firstred\PostNL\Entity\OpeningHours::offsetUnset (*\$offset*)**Parameters**

- **\$offset** (mixed)

Since 1.2.0**public** Firstred\PostNL\Entity\OpeningHours::current ()**Returns** mixed**Throws** *\Firstred\PostNL\Exception\NotSupportedException***Throws** *\Firstred\PostNL\Exception\InvalidArgumentException***Throws** *\Firstred\PostNL\Exception\NotSupportedException***Throws** *\Firstred\PostNL\Exception\InvalidArgumentException***Since** 1.2.0**public** Firstred\PostNL\Entity\OpeningHours::next ()**Since** 1.2.0**public** Firstred\PostNL\Entity\OpeningHours::key ()**Returns** string**Throws** *\Firstred\PostNL\Exception\NotSupportedException***Throws** *\Firstred\PostNL\Exception\InvalidArgumentException***Throws** *\Firstred\PostNL\Exception\NotSupportedException***Throws** *\Firstred\PostNL\Exception\InvalidArgumentException***Since** 1.2.0**public** Firstred\PostNL\Entity\OpeningHours::valid()**Returns** bool**Since** 1.2.0**public** Firstred\PostNL\Entity\OpeningHours::rewind()**Since** 1.2.0

Exception

\Firstred\PostNL\Exception

Namespaces

Promise

\Firstred\PostNL\Exception\Promise

Classes

RejectionException

```
class Firstred\PostNL\Exception\Promise\RejectionException
```

A special exception that is thrown when waiting on a rejected promise.

The reason value is available via the `getReason()` method.

Parent RuntimeException

Summary

Methods

- `public __construct($reason, $description)`
- `public getReason()`

Methods

```
public Firstred\PostNL\Exception\Promise\RejectionException::__construct($reason,  
                                                                    $de-  
                                                                    scrip-  
                                                                    tion=null)
```

Parameters

- **\$reason** (mixed) rejection reason
- **\$description** (string) Optional description

```
public Firstred\PostNL\Exception\Promise\RejectionException::getReason()
```

Returns the rejection reason.

Returns mixed

CancellationException

class Firstred\PostNL\Exception\Promise\CancellationException

Exception that is set as the reason for a promise that has been cancelled.

Parent *Firstred\PostNL\Exception\Promise\RejectionException*

Summary

AggregateException

class Firstred\PostNL\Exception\Promise\AggregateException

Exception thrown when too many errors occur in the some() or any() methods.

Parent *Firstred\PostNL\Exception\Promise\RejectionException*

Summary

Methods

- *public __construct(\$msg, \$reasons)*

Methods

public Firstred\PostNL\Exception\Promise\AggregateException::__construct(*\$msg*,
\$reasons)

AggregateException constructor.

Parameters

- **\$msg** (mixed)
- **\$reasons** (array)

Classes

ApiConnectionException

class Firstred\PostNL\Exception\ApiConnectionException

Class ApiConnectionException.

Parent *Firstred\PostNL\Exception\ApiException*

Summary

Methods

- `public __construct($message, $code, $body, $jsonBody, $headers)`
- `public getBody()`
- `public getJsonBody()`
- `public getHeaders()`

Properties

protected static property Firstred\PostNL\Exception\ApiConnectionException::\$body
Type string

protected static property Firstred\PostNL\Exception\ApiConnectionException::\$jsonBody
Type object

protected static property Firstred\PostNL\Exception\ApiConnectionException::\$headers
Type array

Methods

public Firstred\PostNL\Exception\ApiConnectionException::__construct (*\$message=\\',
\$code=0,
\$body=null,
\$json-
Body=null,
\$head-
ers=null*)

ApiConnectionException constructor.

Parameters

- **\$message** (string)
- **\$code** (int)
- **\$body** (string | null)
- **\$jsonBody** (object | null)
- **\$headers** (array | null)

public Firstred\PostNL\Exception\ApiConnectionException::getBody ()
Returns string

public Firstred\PostNL\Exception\ApiConnectionException::getJsonBody ()
Returns object

public Firstred\PostNL\Exception\ApiConnectionException::getHeaders ()
Returns array

NotSupportedException

class Firstred\PostNL\Exception\NotSupportedException

Class NotSupportedException

Parent *Firstred\PostNL\Exception\InvalidArgumentException*

Summary

ApiException

class Firstred\PostNL\Exception\ApiException

Class ApiException.

Parent *Firstred\PostNL\Exception\PostNLException*

Summary

InvalidMethodException

class Firstred\PostNL\Exception\InvalidMethodException

Class InvalidMethodException.

Parent *Firstred\PostNL\Exception\HttpClientException*

Summary

ResponseException

class Firstred\PostNL\Exception\ResponseException

Class ResponseException

Parent *Firstred\PostNL\Exception\ApiException*

Summary

Methods

- *public __construct(\$message, \$code, \$previous, \$response)*
- *public setResponse(\$response)*
- *public getResponse()*

Methods

```
public Firstred\PostNL\Exception\ResponseException::__construct ($message='',  
                                                                $code=0,  
                                                                $previous=null,  
                                                                $response=null)
```

ResponseException constructor.

Parameters

- **\$message** (string)
- **\$code** (int)
- **\$previous** (Exception | null)
- **\$response** (Psr\Http\Message\ResponseInterface | null)

```
public Firstred\PostNL\Exception\ResponseException::setResponse ($response)
```

Parameters

- **\$response** (Psr\Http\Message\ResponseInterface)

```
public Firstred\PostNL\Exception\ResponseException::getResponse ()
```

Returns \Psr\Http\Message\ResponseInterface

InvalidBarcodeException

```
class Firstred\PostNL\Exception\InvalidBarcodeException
```

Class InvalidBarcodeException.

Parent *Firstred\PostNL\Exception\InvalidArgumentException*

Summary

CifException

```
class Firstred\PostNL\Exception\CifException
```

Class CifException.

Parent *Firstred\PostNL\Exception\ApiException*

Summary

Methods

- `public __construct($message, $code, $previous)`
- `public getMessagesDescriptionsAndCodes()`

Properties

protected static property Firstred\PostNL\Exception\CifException::\$messages
 Type array

Methods

public Firstred\PostNL\Exception\CifException::__construct(*\$message*=\',
\$code=0, *\$previous*=null)

CifException constructor.

Parameters

- **\$message** (string | string[]) In case of multiple errors, the format looks like:
 ['description' => string <The description>, 'message' => string <The error message>,
 'code' => int <The error code>] The code param will be discarded if *\$message* is an array
 * **\$code** (int) * **\$previous** (Throwable | null)

public Firstred\PostNL\Exception\CifException::getMessagesDescriptionsAndCodes()

Get error messages and codes.

Returns array | string | string[]

CifDownException

class Firstred\PostNL\Exception\CifDownException

Class CifDownException.

Parent Firstred\PostNL\Exception\ApiException

Summary

PostNLException

class Firstred\PostNL\Exception\PostNLException

Class AbstractException

Parent Exception

Summary

InvalidArgumentException

```
class Firstred\PostNL\Exception\InvalidArgumentException
```

Class InvalidArgumentException.

Parent *Firstred\PostNL\Exception\PostNLException*

Summary

HttpClientException

```
class Firstred\PostNL\Exception\HttpClientException
```

Class HttpClientException

Parent *Exception*

Summary

Methods

- *public __construct(\$message, \$code, \$previous, \$response)*
- *public setResponse(\$response)*
- *public getResponse()*

Methods

```
public Firstred\PostNL\Exception\HttpClientException::__construct ($message=\\',  
                                                                    $code=0,  
                                                                    $previ-  
                                                                    ous=null,  
                                                                    $re-  
                                                                    sponse=null)
```

ResponseException constructor.

Parameters

- **\$message** (string)
- **\$code** (int)
- **\$previous** (Exception | null)
- **\$response** (Psr\Http\Message\ResponseInterface | null)

```
public Firstred\PostNL\Exception\HttpClientException::setResponse ($response)
```

Parameters

- **\$response** (Psr\Http\Message\ResponseInterface)

```
public Firstred\PostNL\Exception\HttpClientException::getResponse ()
```

Returns `\Psr\Http\Message\ResponseInterface`

InvalidConfigurationException

class `Firstred\PostNL\Exception\InvalidConfigurationException`

Class InvalidConfigurationException.

Parent `Firstred\PostNL\Exception\InvalidArgumentException`

Summary

NotImplementedException

class `Firstred\PostNL\Exception\NotImplementedException`

Class NotImplementedException.

Parent `Firstred\PostNL\Exception\InvalidArgumentException`

Summary

ShipmentNotFoundException

class `Firstred\PostNL\Exception\ShipmentNotFoundException`

Class InvalidArgumentException.

Parent `Firstred\PostNL\Exception\InvalidArgumentException`

Summary

NotFoundException

class `Firstred\PostNL\Exception\NotFoundException`

Class NotFoundException.

Parent `Firstred\PostNL\Exception\ApiException`

Summary

Factory

\Firstred\PostNL\Factory

Interfaces

StreamFactoryInterface

```
interface Firstred\PostNL\Factory\StreamFactoryInterface
```

Factory for PSR-7 Stream.

Summary

Methods

- `public createStream($content)`
- `public createStreamFromFile($filename, $mode)`
- `public createStreamFromResource($resource)`

Methods

```
public Firstred\PostNL\Factory\StreamFactoryInterface::createStream($content='')
```

Create a new stream from a string.

The stream SHOULD be created with a temporary resource.

Parameters

- **\$content** (string) String content with which to populate the stream.

Returns \Psr\Http\Message\StreamInterface

```
public Firstred\PostNL\Factory\StreamFactoryInterface::createStreamFromFile($filename,  
                                                                           $mode='r')
```

Create a stream from an existing file.

The file MUST be opened using the given mode, which may be any mode supported by the ``fopen`` function.

The ``$filename`` MAY be any string supported by ``fopen()``.

Parameters

- **\$filename** (string) Filename or stream URI to use as basis of stream.
- **\$mode** (string) Mode with which to open the underlying filename/stream.

Returns \Psr\Http\Message\StreamInterface

Throws \RuntimeException If the file cannot be opened.

Throws \InvalidArgumentException If the mode is invalid.

Throws \RuntimeException If the file cannot be opened.

Throws \InvalidArgumentException If the mode is invalid.

```
public Firstred\PostNL\Factory\StreamFactoryInterface::createStreamFromResource ($resource)
```

Create a new stream from an existing resource.

The stream **MUST** be readable and may be writable.

Parameters

- **\$resource** (resource) PHP resource to use as basis of stream.

Returns \Psr\Http\Message\StreamInterface

ResponseFactoryInterface

```
interface Firstred\PostNL\Factory\ResponseFactoryInterface
```

Factory for PSR-7 Response.

This factory contract can be reused in Message and Server Message factories.

Summary

Methods

- `public createResponse($code, $reasonPhrase)`

Methods

```
public Firstred\PostNL\Factory\ResponseFactoryInterface::createResponse ($code=200,  
                                                                           $rea-  
                                                                           son-  
                                                                           Phrase='')
```

Creates a new PSR-7 response.

Parameters

- **\$code** (int)
- **\$reasonPhrase** (string | null)

Returns \Psr\Http\Message\ResponseInterface

RequestFactoryInterface

interface Firstred\PostNL\Factory\RequestFactoryInterface

Factory for PSR-7 Request.

Summary

Methods

- *public createRequest(\$method, \$uri)*

Methods

public Firstred\PostNL\Factory\RequestFactoryInterface::createRequest (*\$method*,
\$uri)

Creates a new PSR-7 request.

Parameters

- **\$method** (string)
- **\$uri** (string | \Psr\Http\Message\UriInterface)

Returns \Psr\Http\Message\RequestInterface

Classes

GuzzleResponseFactory

class Firstred\PostNL\Factory\GuzzleResponseFactory

Class GuzzleResponseFactory

Implements *Firstred\PostNL\Factory\ResponseFactoryInterface*

Summary

Methods

- *public createResponse(\$code, \$reasonPhrase)*

Methods

```
public Firstred\PostNL\Factory\GuzzleResponseFactory::createResponse ($code=200,  
                                                                    $rea-  
                                                                    son-  
                                                                    Phrase='')
```

Creates a new PSR-7 response.

Parameters

- **\$code** (int)
- **\$reasonPhrase** (string | null)

Returns \Psr\Http\Message\ResponseInterface

GuzzleRequestFactory

```
class Firstred\PostNL\Factory\GuzzleRequestFactory
```

Class GuzzleRequestFactory

Implements *Firstred\PostNL\Factory\RequestFactoryInterface*

Summary

Methods

- *public createRequest (\$method, \$uri)*

Methods

```
public Firstred\PostNL\Factory\GuzzleRequestFactory::createRequest ($method,  
                                                                    $uri)
```

Creates a new PSR-7 request.

Parameters

- **\$method** (string)
- **\$uri** (string | \Psr\Http\Message\UriInterface)

Returns \Psr\Http\Message\RequestInterface

GuzzleStreamFactory

```
class Firstred\PostNL\Factory\GuzzleStreamFactory
```

Class GuzzleStreamFactory

Implements *Firstred\PostNL\Factory\StreamFactoryInterface*

Summary

Methods

- `public createStream($content)`
- `public createStreamFromFile($file, $mode)`
- `public createStreamFromResource($resource)`

Methods

```
public Firstred\PostNL\Factory\GuzzleStreamFactory::createStream($content='')
```

Create a new stream from a string.

Parameters

- **\$content** (string)

Returns \Psr\Http\Message\StreamInterface

```
public Firstred\PostNL\Factory\GuzzleStreamFactory::createStreamFromFile($file,  
                                                                           $mode='r')
```

Create a new PSR-7 stream from file.

Parameters

- **\$file** (string)
- **\$mode** (string)

Returns \Psr\Http\Message\StreamInterface

```
public Firstred\PostNL\Factory\GuzzleStreamFactory::createStreamFromResource($resource)
```

Create a new PSR-7 stream from resource.

Parameters

- **\$resource** (resource)

Returns \Psr\Http\Message\StreamInterface

HttpClient

\Firstred\PostNL\HttpClient

Interfaces

ClientInterface

interface Firstred\PostNL\HttpClient\ClientInterface

Interface ClientInterface.

Summary

Methods

- *public* *getLogger()*
- *public* *setLogger(\$logger)*
- *public static* *getInstance()*
- *public* *addOrUpdateRequest(\$id, \$request)*
- *public* *setVerify(\$verify)*
- *public* *getVerify()*
- *public* *removeRequest(\$id)*
- *public* *clearRequests()*
- *public* *doRequest(\$request)*
- *public* *doRequests(\$requests)*

Methods

public Firstred\PostNL\HttpClient\ClientInterface::getLogger()

Get the logger.

Returns \Psr\Log\LoggerInterface

public Firstred\PostNL\HttpClient\ClientInterface::setLogger(\$logger)

Set the logger.

Parameters

- **\$logger** (Psr\Log\LoggerInterface)

public static Firstred\PostNL\HttpClient\ClientInterface::getInstance()

Get the HTTP Client instance.

Returns static

public Firstred\PostNL\HttpClient\ClientInterface::addOrUpdateRequest(\$id,
\$re-
quest)

Adds a request to the list of pending requests

Using the ID you can replace a request.

Parameters

- **\$id** (string) Request ID
- **\$request** (Psr\Http\Message\RequestInterface) PSR-7 request

Returns int | string

```
public Firstred\PostNL\HttpClient\ClientInterface::setVerify ($verify)
```

Set the verify setting.

Parameters

- **\$verify** (bool | string)

Returns static

Deprecated

```
public Firstred\PostNL\HttpClient\ClientInterface::getVerify ()
```

Return verify setting.

Returns bool | string

Deprecated

```
public Firstred\PostNL\HttpClient\ClientInterface::removeRequest ($id)
```

Remove a request from the list of pending requests.

Parameters

- **\$id** (string)

```
public Firstred\PostNL\HttpClient\ClientInterface::clearRequests ()
```

Clear all requests.

```
public Firstred\PostNL\HttpClient\ClientInterface::doRequest ($request)
```

Do a single request.

Exceptions are captured into the result array

Parameters

- **\$request** (Psr\Http\Message\RequestInterface)

Returns \Psr\Http\Message\ResponseInterface

Throws *\Firstred\PostNL\Exception\HttpClientException*

```
public Firstred\PostNL\HttpClient\ClientInterface::doRequests (          $re-  
                                                                quests=[])
```

Do all async requests.

Exceptions are captured into the result array

Parameters

- **\$requests** (Psr\Http\Message\RequestInterface[])

Returns \Psr\Http\Message\ResponseInterface | \Psr\Http\Message\ResponseInterface[] | \Firstred\PostNL\Exception\HttpClientException | \Firstred\PostNL\Exception\HttpClientException[]

Classes

HTTPPlugClient

class Firstred\PostNL\HttpClient\HTTPPlugClient

Class HTTPPlugClient.

Implements Firstred\PostNL\HttpClient\ClientInterface

Summary

Methods

- *public* __construct(\$client, \$logger, \$concurrency)
- *public* addOrUpdateRequest(\$id, \$request)
- *public* removeRequest(\$id)
- *public* doRequests(\$requests)
- *public* clearRequests()
- *public* doRequest(\$request)
- *public* getConcurrency()
- *public* setConcurrency(\$concurrency)
- *public* getLogger()
- *public* setLogger(\$logger)
- *public* getClient()
- *public* setClient(\$client)
- *public static* getInstance(\$client)
- *public* setVerify(\$verify)
- *public* getVerify()

Properties

protected static property Firstred\PostNL\HttpClient\HTTPPlugClient::\$**client**

Type \Http\Client\HttpAsyncClient | \Http\Client\HttpClient

protected static property Firstred\PostNL\HttpClient\HTTPPlugClient::\$**pendingRequests**

List of pending PSR-7 requests.

Type \Psr\Http\Message\RequestInterface[]

protected static property Firstred\PostNL\HttpClient\HTTPPlugClient::\$**logger**

Type \Psr\Log\LoggerInterface | null

protected static property Firstred\PostNL\HttpClient\HTTPPlugClient::\$**concurrency**

Type int

Methods

public Firstred\PostNL\HttpClient\HTTPPlugClient::__**construct** (*\$client=null*,
\$logger=null,
\$concurrency=5)

HTTPPlugClient constructor.

Parameters

- **\$client** (\Http\Client\HttpAsyncClient | \Http\Client\HttpClient | null)
- **\$logger** (\Psr\Log\LoggerInterface | null)
- **\$concurrency** (int)

Throws *\Firstred\PostNL\Exception\HttpClientException*

public Firstred\PostNL\HttpClient\HTTPPlugClient::addOrUpdateRequest (*\$id*,
\$request)

Adds a request to the list of pending requests
Using the ID you can replace a request.

Parameters

- **\$id** (string)
- **\$request** (\Psr\Http\Message\RequestInterface)

Returns string

public Firstred\PostNL\HttpClient\HTTPPlugClient::removeRequest (*\$id*)

Remove a request from the list of pending requests.

Parameters

- **\$id** (string)

```
public Firstred\PostNL\HttpClient\HTTPPlugClient::doRequests ( $requests=[])
```

Do all async requests.

Exceptions are captured into the result array

Parameters

- **\$requests** (array)

Returns array

```
public Firstred\PostNL\HttpClient\HTTPPlugClient::clearRequests ()
```

Clear all pending requests.

```
public Firstred\PostNL\HttpClient\HTTPPlugClient::doRequest ( $request)
```

Do a single request.

Exceptions are captured into the result array

Parameters

- **\$request** (Psr\Http\Message\RequestInterface)

Returns \Psr\Http\Message\ResponseInterface

Throws *\Firstred\PostNL\Exception\HttpClientException*

```
public Firstred\PostNL\HttpClient\HTTPPlugClient::getConcurrency ()
```

Returns int

```
public Firstred\PostNL\HttpClient\HTTPPlugClient::setConcurrency ( $concurrency)
```

Parameters

- **\$concurrency** (int)

Returns static

```
public Firstred\PostNL\HttpClient\HTTPPlugClient::getLogger ()
```

Returns \Psr\Log\LoggerInterface | null

```
public Firstred\PostNL\HttpClient\HTTPPlugClient::setLogger ( $logger)
```

Parameters

- **\$logger** (Psr\Log\LoggerInterface | null)

Returns static

```
public Firstred\PostNL\HttpClient\HTTPPlugClient::getClient ()
```

Returns \Http\Client\HttpAsyncClient | \Http\Client\HttpClient

```
public Firstred\PostNL\HttpClient\HTTPPlugClient::setClient ( $client)
```

Parameters

- **\$client** (Http\Client\HttpAsyncClient | \Http\Client\HttpClient)

Returns static

public static Firstred\PostNL\HttpClient\HTTPPlugClient::getInstance (\$client=null)

Parameters

- **\$client** (Http\Client\HttpAsyncClient | \Http\Client\HttpClient | null)

Returns \Firstred\PostNL\HttpClient\HTTPPlugClient

Throws \Firstred\PostNL\Exception\HttpClientException

Deprecated Please instantiate a new client rather than using this singleton

public Firstred\PostNL\HttpClient\HTTPPlugClient::setVerify (\$verify)

Parameters

- **\$verify** (bool | string)

Returns \Firstred\PostNL\HttpClient\HTTPPlugClient

Deprecated

public Firstred\PostNL\HttpClient\HTTPPlugClient::getVerify ()

Returns bool | string | void

Deprecated

CurlClient

class Firstred\PostNL\HttpClient\CurlClient

Class CurlClient.

Implements Firstred\PostNL\HttpClient\ClientInterface Psr\Log\LoggerAwareInterface

Summary

Methods

- *public static getInstance ()*
- *public setTimeout (\$seconds)*
- *public setConnectTimeout (\$seconds)*
- *public setVerify (\$verify)*
- *public setLogger (\$logger)*
- *public getTimeout ()*
- *public getConnectTimeout ()*
- *public getVerify ()*
- *public getLogger ()*
- *public addOrUpdateRequest (\$id, \$request)*
- *public removeRequest (\$id)*
- *public clearRequests ()*
- *public doRequest (\$request)*

- *public doRequests(\$requests)*
- *protected prepareRequest(\$curl, \$request)*

Constants

DEFAULT_TIMEOUT = 80

DEFAULT_CONNECT_TIMEOUT = 30

Properties

protected static property Firstred\PostNL\HttpClient\CurlClient::\$defaultOptions

Type array | callable | null

protected static property Firstred\PostNL\HttpClient\CurlClient::\$userAgentInfo

Type array

protected static property Firstred\PostNL\HttpClient\CurlClient::\$pendingRequests

Type array

protected static property Firstred\PostNL\HttpClient\CurlClient::\$logger

Type \Psr\Log\LoggerInterface

Methods

public static Firstred\PostNL\HttpClient\CurlClient::getInstance()

CurlClient Singleton.

Returns *Firstred\PostNL\HttpClient\CurlClient*

Deprecated Please instantiate a new client rather than using this singleton

public Firstred\PostNL\HttpClient\CurlClient::setTimeout(\$seconds)

Set timeout.

Parameters

- \$seconds (int)

Returns *Firstred\PostNL\HttpClient\CurlClient*

public Firstred\PostNL\HttpClient\CurlClient::setConnectTimeout(\$seconds)

Set connection timeout.

Parameters

- \$seconds (int)

Returns *Firstred\PostNL\HttpClient\CurlClient*

public Firstred\PostNL\HttpClient\CurlClient::setVerify(\$verify)

Set the verify setting.

Parameters

- **\$verify** (bool | string)

Returns `\Firstred\PostNL\HttpClient\CurlClient`

Deprecated

```
public Firstred\PostNL\HttpClient\CurlClient::setLogger($logger)
```

Set the logger.

Parameters

- **\$logger** (Psr\Log\LoggerInterface)

Returns `\Firstred\PostNL\HttpClient\CurlClient`

```
public Firstred\PostNL\HttpClient\CurlClient::getTimeout()
```

Get timeout.

Returns int

```
public Firstred\PostNL\HttpClient\CurlClient::getConnectTimeout()
```

Get connection timeout.

Returns int

```
public Firstred\PostNL\HttpClient\CurlClient::getVerify()
```

Return verify setting.

Returns bool | string

Deprecated

```
public Firstred\PostNL\HttpClient\CurlClient::getLogger()
```

Get logger.

Returns `\Psr\Log\LoggerInterface`

```
public Firstred\PostNL\HttpClient\CurlClient::addOrUpdateRequest($id, $request)
```

Adds a request to the list of pending requests

Using the ID you can replace a request.

Parameters

- **\$id** (string) Request ID
- **\$request** (Psr\Http\Message\RequestInterface) PSR-7 request

Returns int | string

```
public Firstred\PostNL\HttpClient\CurlClient::removeRequest ($id)
```

Remove a request from the list of pending requests.

Parameters

- **\$id** (string)

```
public Firstred\PostNL\HttpClient\CurlClient::clearRequests ()
```

Clear all pending requests.

```
public Firstred\PostNL\HttpClient\CurlClient::doRequest ($request)
```

Do a single request.

Exceptions are captured into the result array

Parameters

- **\$request** (Psr\Http\Message\RequestInterface)

Returns \Psr\Http\Message\ResponseInterface

Throws \Firstred\PostNL\Exception\HttpClientException

```
public Firstred\PostNL\HttpClient\CurlClient::doRequests ( $requests=\|/)
```

Do all async requests.

Exceptions are captured into the result array

Parameters

- **\$requests** (Psr\Http\Message\RequestInterface[])

Returns \Psr\Http\Message\ResponseInterface[] | \Firstred\PostNL\Exception\HttpClientException[]

```
protected Firstred\PostNL\HttpClient\CurlClient::prepareRequest ($curl, $request)
```

Parameters

- **\$curl** (resource)
- **\$request** (Psr\Http\Message\RequestInterface)

Throws \Firstred\PostNL\Exception\HttpClientException

MockClient

class Firstred\PostNL\HttpClient\MockClient

Class MockClient.

Implements *Firstred\PostNL\HttpClient\ClientInterface* Psr\Log\
LoggerAwareInterface

Summary

Methods

- *public static getInstance()*
- *public setOption(\$name, \$value)*
- *public getOption(\$name)*
- *public setVerify(\$verify)*
- *public getVerify()*
- *public setMaxRetries(\$maxRetries)*
- *public getMaxRetries()*
- *public setLogger(\$logger)*
- *public getLogger()*
- *public addOrUpdateRequest(\$id, \$request)*
- *public removeRequest(\$id)*
- *public clearRequests()*
- *public setHandler(\$handler)*
- *public getHandler()*
- *public doRequest(\$request)*
- *public doRequests(\$requests)*

Constants

DEFAULT_TIMEOUT = 60

DEFAULT_CONNECT_TIMEOUT = 20

Properties

protected property Firstred\PostNL\HttpClient\MockClient::\$instance

Type static

protected static property Firstred\PostNL\HttpClient\MockClient::\$defaultOptions

Type array

protected static property Firstred\PostNL\HttpClient\MockClient::\$pendingRequests

List of pending PSR-7 requests.

Type `\Psr\Http\Message\RequestInterface[]`

protected static property `Firstred\PostNL\HttpClient\MockClient::$logger`

Type `\Psr\Log\LoggerInterface`

Methods

public static `Firstred\PostNL\HttpClient\MockClient::getInstance()`

Returns `\Firstred\PostNL\HttpClient\MockClient` | static

Deprecated Please instantiate a new client rather than using this singleton

public `Firstred\PostNL\HttpClient\MockClient::setOption($name, $value)`

Set Guzzle option.

Parameters

- **\$name** (string)
- **\$value** (mixed)

Returns `\Firstred\PostNL\HttpClient\MockClient`

public `Firstred\PostNL\HttpClient\MockClient::getOption($name)`

Get Guzzle option.

Parameters

- **\$name** (string)

Returns mixed | null

public `Firstred\PostNL\HttpClient\MockClient::setVerify($verify)`

Set the verify setting.

Parameters

- **\$verify** (bool | string)

Returns static

public `Firstred\PostNL\HttpClient\MockClient::getVerify()`

Return verify setting.

Returns bool | string

public `Firstred\PostNL\HttpClient\MockClient::setMaxRetries($maxRetries)`

Set the amount of retries.

Parameters

- **\$maxRetries** (int)

Returns static

```
public Firstred\PostNL\HttpClient\MockClient::getMaxRetries()
```

Return max retries.

Returns int

```
public Firstred\PostNL\HttpClient\MockClient::setLogger($logger)
```

Set the logger.

Parameters

- **\$logger** (Psr\Log\LoggerInterface)

Returns *\Firstred\PostNL\HttpClient\MockClient*

```
public Firstred\PostNL\HttpClient\MockClient::getLogger()
```

Get the logger.

Returns *\Psr\Log\LoggerInterface*

```
public Firstred\PostNL\HttpClient\MockClient::addOrUpdateRequest($id, $request)
```

Adds a request to the list of pending requests
Using the ID you can replace a request.

Parameters

- **\$id** (string) Request ID
- **\$request** (Psr\Http\Message\RequestInterface) PSR-7 request

Returns int | string

```
public Firstred\PostNL\HttpClient\MockClient::removeRequest($id)
```

Remove a request from the list of pending requests.

Parameters

- **\$id** (string)

```
public Firstred\PostNL\HttpClient\MockClient::clearRequests()
```

Clear all pending requests.

```
public Firstred\PostNL\HttpClient\MockClient::setHandler($handler)
```

Returns *\Firstred\PostNL\HttpClient\MockClient*

```
public Firstred\PostNL\HttpClient\MockClient::getHandler()
```

Returns *\GuzzleHttp\HandlerStack*

```
public Firstred\PostNL\HttpClient\MockClient::doRequest($request)
```

Do a single request.

Exceptions are captured into the result array

Parameters

- **\$request** (Psr\Http\Message\RequestInterface)

Returns \Psr\Http\Message\ResponseInterface

Throws *\Firstred\PostNL\Exception\HttpClientException*

```
public Firstred\PostNL\HttpClient\MockClient::doRequests ( $requests=[])
```

Do all async requests.

Exceptions are captured into the result array

Parameters

- **\$requests** (Psr\Http\Message\RequestInterface[])

Returns \Psr\Http\Message\ResponseInterface[] | *\Firstred\PostNL\Exception\HttpClientException[]*

GuzzleClient

```
class Firstred\PostNL\HttpClient\GuzzleClient
```

Class GuzzleClient.

Implements *Firstred\PostNL\HttpClient\ClientInterface* Psr\Log\LoggerAwareInterface

Summary**Methods**

- *public static getInstance()*
- *public setOption(\$name, \$value)*
- *public getOption(\$name)*
- *public setVerify(\$verify)*
- *public getVerify()*
- *public setMaxRetries(\$maxRetries)*
- *public getMaxRetries()*
- *public setConcurrency(\$concurrency)*
- *public getConcurrency()*
- *public setLogger(\$logger)*
- *public getLogger()*
- *public addOrUpdateRequest(\$id, \$request)*
- *public removeRequest(\$id)*

- `public clearRequests()`
- `public doRequest($request)`
- `public doRequests($requests)`

Constants

DEFAULT_TIMEOUT = 60

DEFAULT_CONNECT_TIMEOUT = 20

Properties

protected property Firstred\PostNL\HttpClient\GuzzleClient::\$instance

Type static

protected static property Firstred\PostNL\HttpClient\GuzzleClient::\$defaultOptions

Type array

protected static property Firstred\PostNL\HttpClient\GuzzleClient::\$pendingRequests

List of pending PSR-7 requests.

Type \Psr\Http\Message\RequestInterface[]

protected static property Firstred\PostNL\HttpClient\GuzzleClient::\$logger

Type \Psr\Log\LoggerInterface

Methods

public static Firstred\PostNL\HttpClient\GuzzleClient::getInstance()

Returns `Firstred\PostNL\HttpClient\GuzzleClient` | static

Deprecated Please instantiate a new client rather than using this singleton

public Firstred\PostNL\HttpClient\GuzzleClient::setOption(\$name, \$value)

Set Guzzle option.

Parameters

- **\$name** (string)
- **\$value** (mixed)

Returns `Firstred\PostNL\HttpClient\GuzzleClient`

public Firstred\PostNL\HttpClient\GuzzleClient::getOption(\$name)

Get Guzzle option.

Parameters

- **\$name** (string)

Returns mixed | null

```
public Firstred\PostNL\HttpClient\GuzzleClient::setVerify($verify)
```

Set the verify setting.

Parameters

- **\$verify** (bool | string)

Returns static

Deprecated

```
public Firstred\PostNL\HttpClient\GuzzleClient::getVerify()
```

Return verify setting.

Returns bool | string

Deprecated

```
public Firstred\PostNL\HttpClient\GuzzleClient::setMaxRetries($maxRetries)
```

Set the amount of retries.

Parameters

- **\$maxRetries** (int)

Returns static

```
public Firstred\PostNL\HttpClient\GuzzleClient::getMaxRetries()
```

Return max retries.

Returns int

```
public Firstred\PostNL\HttpClient\GuzzleClient::setConcurrency($concurrency)
```

Set the concurrency.

Parameters

- **\$concurrency** (int)

Returns static

```
public Firstred\PostNL\HttpClient\GuzzleClient::getConcurrency()
```

Return concurrency.

Returns int

```
public Firstred\PostNL\HttpClient\GuzzleClient::setLogger($logger)
```

Set the logger.

Parameters

- **\$logger** (Psr\Log\LoggerInterface)

Returns *\Firstred\PostNL\HttpClient\GuzzleClient*

```
public Firstred\PostNL\HttpClient\GuzzleClient::getLogger()
```

Get the logger.

Returns *\Psr\Log\LoggerInterface*

```
public Firstred\PostNL\HttpClient\GuzzleClient::addOrUpdateRequest($id,  
                                                                    $re-  
                                                                    quest)
```

Adds a request to the list of pending requests
Using the ID you can replace a request.

Parameters

- **\$id** (string) Request ID
- **\$request** (*\Psr\Http\Message\RequestInterface*) PSR-7 request

Returns *int | string*

```
public Firstred\PostNL\HttpClient\GuzzleClient::removeRequest($id)
```

Remove a request from the list of pending requests.

Parameters

- **\$id** (string)

```
public Firstred\PostNL\HttpClient\GuzzleClient::clearRequests()
```

Clear all pending requests.

```
public Firstred\PostNL\HttpClient\GuzzleClient::doRequest($request)
```

Do a single request.

Exceptions are captured into the result array

Parameters

- **\$request** (*\Psr\Http\Message\RequestInterface*)

Returns *\Psr\Http\Message\ResponseInterface*

Throws *\Firstred\PostNL\Exception\HttpClientException*

```
public Firstred\PostNL\HttpClient\GuzzleClient::doRequests($requests=[])
```

Do all async requests.

Exceptions are captured into the result array

Parameters

- **\$requests** (Psr\Http\Message\RequestInterface[])

Returns `\Firstred\PostNL\Exception\HttpClientException[]` | `\Psr\Http\Message\ResponseInterface[]`

Service

`\Firstred\PostNL\Service`

Interfaces

TimeframeServiceInterface

interface `Firstred\PostNL\Service\TimeframeServiceInterface`

Class TimeframeService.

Parent `Firstred\PostNL\Service\ServiceInterface`

Summary

Methods

- `public getTimeframesREST($getTimeframes)`
- `public getTimeframesSOAP($getTimeframes)`
- `public buildGetTimeframesRequestREST($getTimeframes)`
- `public processGetTimeframesResponseREST($response)`
- `public buildGetTimeframesRequestSOAP($getTimeframes)`
- `public processGetTimeframesResponseSOAP($response)`

Methods

public `Firstred\PostNL\Service\TimeframeServiceInterface::getTimeframesREST($getTimeframes)`

Get timeframes via REST.

Parameters

- **\$getTimeframes** (`Firstred\PostNL\Entity\Request\GetTimeframes`)

Returns `\Firstred\PostNL\Entity\Response\ResponseTimeframes`

Throws `\Firstred\PostNL\Exception\CifDownException`

Throws `\Firstred\PostNL\Exception\CifException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Since 1.0.0

public Firstred\PostNL\Service\TimeframeServiceInterface::get**TimeframesSOAP** (*\$getTimeframes*)

Get timeframes via SOAP.

Parameters

- **\$getTimeframes** (*Firstred\PostNL\Entity\Request\GetTimeframes*)

Returns *\Firstred\PostNL\Entity\Response\ResponseTimeframes*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*

Throws `\Psr\Cache\InvalidArgumentException`
Throws `\Firstred\PostNL\Exception\HttpClientException`
Throws `\Firstred\PostNL\Exception\ResponseException`
Throws `\Firstred\PostNL\Exception\NotFoundException`
Throws `\Firstred\PostNL\Exception\CifDownException`
Throws `\Firstred\PostNL\Exception\CifException`
Throws `\Psr\Cache\InvalidArgumentException`
Throws `\Firstred\PostNL\Exception\HttpClientException`
Throws `\Firstred\PostNL\Exception\ResponseException`
Throws `\Firstred\PostNL\Exception\NotFoundException`
Throws `\Firstred\PostNL\Exception\CifDownException`
Throws `\Firstred\PostNL\Exception\CifException`
Throws `\Psr\Cache\InvalidArgumentException`
Throws `\Firstred\PostNL\Exception\HttpClientException`
Throws `\Firstred\PostNL\Exception\ResponseException`
Throws `\Firstred\PostNL\Exception\NotFoundException`
Throws `\Firstred\PostNL\Exception\CifDownException`
Throws `\Firstred\PostNL\Exception\CifException`
Throws `\Psr\Cache\InvalidArgumentException`
Throws `\Firstred\PostNL\Exception\HttpClientException`
Throws `\Firstred\PostNL\Exception\ResponseException`
Throws `\Firstred\PostNL\Exception\NotFoundException`
Since 1.0.0

public `Firstred\PostNL\Service\TimeframeServiceInterface::buildGetTimeframesRequestREST`

Build the GetTimeframes request for the REST API.

Parameters

- **\$getTimeframes** (`Firstred\PostNL\Entity\Request\GetTimeframes`)

Returns `\Psr\Http\Message\RequestInterface`

Since 1.0.0

public `Firstred\PostNL\Service\TimeframeServiceInterface::processGetTimeframesResponseREST`

Process GetTimeframes Response REST.

Parameters

- **\$response** (mixed)

Returns `\Firstred\PostNL\Entity\Response\ResponseTimeframes` | `null`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Since 1.0.0

public Firstred\PostNL\Service\TimeframeServiceInterface::buildGetTimeframesRequestSOAP

Build the GetTimeframes request for the SOAP API.

Parameters

- **\$getTimeframes** (*Firstred\PostNL\Entity\Request\GetTimeframes*)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

public Firstred\PostNL\Service\TimeframeServiceInterface::processGetTimeframesResponseSOAP

Process GetTimeframes Response SOAP.

Parameters

- **\$response** (*\Psr\Http\Message\ResponseInterface*)

Returns *\Firstred\PostNL\Entity\Response\ResponseTimeframes*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Since 1.0.0

ConfirmingServiceInterface

interface Firstred\PostNL\Service\ConfirmingServiceInterface

Class ConfirmingService.

Parent *Firstred\PostNL\Service\ServiceInterface*

Summary

Methods

- *public confirmShipmentREST(\$confirming)*
- *public confirmShipmentsREST(\$confirms)*
- *public confirmShipmentSOAP(\$confirming)*
- *public confirmShipmentsSOAP(\$confirmings)*
- *public buildConfirmRequestREST(\$confirming)*
- *public processConfirmResponseREST(\$response)*
- *public buildConfirmRequestSOAP(\$confirming)*
- *public processConfirmResponseSOAP(\$response)*

Methods

public Firstred\PostNL\Service\ConfirmingServiceInterface::confirmShipmentREST(*\$confirming*)

Generate a single barcode via REST.

Parameters

- **\$confirming** (*Firstred\PostNL\Entity\Request\Confirming*)

Returns *\Firstred\PostNL\Entity\Response\ConfirmingResponseShipment*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

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Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Since 1.0.0

public Firstred\PostNL\Service\ConfirmingServiceInterface::confirmShipmentsREST (\$confirms)

Confirm multiple shipments.

Parameters

- **\$confirms** (*Firstred\PostNL\Entity\Request\Confirming[]*) ['uuid' => Confirming, ...]

Returns *\Firstred\PostNL\Entity\Response\ConfirmingResponseShipment[]*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Since 1.0.0

public Firstred\PostNL\Service\ConfirmingServiceInterface::confirmShipmentSOAP (*\$confirming*)

Generate a single label via SOAP.

Parameters

- **\$confirming** (*Firstred\PostNL\Entity\Request\Confirming*)

Returns *\Firstred\PostNL\Entity\Response\ConfirmingResponseShipment*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Since 1.0.0

public Firstred\PostNL\Service\ConfirmingServiceInterface::confirmShipmentsSOAP (*\$confirming*)

Generate multiple labels at once.

Parameters

- **\$confirmings** (array) ['uuid' => Confirming, ...]

Returns *\Firstred\PostNL\Entity\Response\ConfirmingResponseShipment[]*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Since 1.0.0

public *Firstred\PostNL\Service\ConfirmingServiceInterface::buildConfirmRequestREST* (*\$confirming*)

Parameters

- **\$confirming** (*Firstred\PostNL\Entity\Request\Confirming*)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

public *Firstred\PostNL\Service\ConfirmingServiceInterface::processConfirmResponseREST* (*\$response*)

Proces Confirm REST Response.

Parameters

- **\$response** (mixed)

Returns *\Firstred\PostNL\Entity\Response\ConfirmingResponseShipment*
| null

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.0.0

public *Firstred\PostNL\Service\ConfirmingServiceInterface::buildConfirmRequestSOAP* (*\$confirming*)

Parameters

- **\$confirming** (*Firstred\PostNL\Entity\Request\Confirming*)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

public *Firstred\PostNL\Service\ConfirmingServiceInterface::processConfirmResponseSOAP* (*\$response*)

Process Confirm SOAP response.

Parameters

- **\$response** (*\Psr\Http\Message\ResponseInterface*)

Returns *\Firstred\PostNL\Entity\Response\ConfirmingResponseShipment*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Since 1.0.0

LabellingServiceInterface

interface *Firstred\PostNL\Service\LabellingServiceInterface*

Class LabellingService.

Parent *Firstred\PostNL\Service\ServiceInterface*

Summary

Methods

- *public generateLabelREST(\$generateLabel, \$confirm)*
- *public generateLabelsREST(\$generateLabels)*
- *public generateLabelSOAP(\$generateLabel, \$confirm)*
- *public generateLabelsSOAP(\$generateLabels)*
- *public buildGenerateLabelRequestREST(\$generateLabel, \$confirm)*
- *public processGenerateLabelResponseREST(\$response)*
- *public buildGenerateLabelRequestSOAP(\$generateLabel, \$confirm)*
- *public processGenerateLabelResponseSOAP(\$response)*

Methods

public Firstred\PostNL\Service\LabellingServiceInterface::**generateLabelREST** (*\$generateLabel*,
\$confirm=true)

Generate a single barcode via REST.

Parameters

- **\$generateLabel** (*Firstred\PostNL\Entity\Request\GenerateLabel*)
- **\$confirm** (bool)

Returns *\Firstred\PostNL\Entity\Response\GenerateLabelResponse*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Since 1.0.0

public Firstred\PostNL\Service\LabellingServiceInterface::generateLabelsREST (\$generateLabel

Generate multiple labels at once.

Parameters

- **\$generateLabels** (array) ['uuid' => [GenerateBarcode, confirm], ...]

Returns array**Throws** *\Firstred\PostNL\Exception\HttpClientException***Throws** *\Firstred\PostNL\Exception\NotSupportedException***Throws** *\Firstred\PostNL\Exception\InvalidArgumentException***Throws** *\Psr\Cache\InvalidArgumentException***Throws** *\Firstred\PostNL\Exception\ResponseException***Throws** *\Firstred\PostNL\Exception\HttpClientException***Throws** *\Firstred\PostNL\Exception\NotSupportedException***Throws** *\Firstred\PostNL\Exception\InvalidArgumentException***Throws** *\Psr\Cache\InvalidArgumentException***Throws** *\Firstred\PostNL\Exception\ResponseException***Throws** *\Firstred\PostNL\Exception\HttpClientException***Throws** *\Firstred\PostNL\Exception\NotSupportedException***Throws** *\Firstred\PostNL\Exception\InvalidArgumentException***Throws** *\Psr\Cache\InvalidArgumentException***Throws** *\Firstred\PostNL\Exception\ResponseException***Throws** *\Firstred\PostNL\Exception\HttpClientException***Throws** *\Firstred\PostNL\Exception\NotSupportedException***Throws** *\Firstred\PostNL\Exception\InvalidArgumentException***Throws** *\Psr\Cache\InvalidArgumentException***Throws** *\Firstred\PostNL\Exception\ResponseException***Throws** *\Firstred\PostNL\Exception\HttpClientException***Throws** *\Firstred\PostNL\Exception\NotSupportedException***Throws** *\Firstred\PostNL\Exception\InvalidArgumentException***Throws** *\Psr\Cache\InvalidArgumentException***Throws** *\Firstred\PostNL\Exception\ResponseException***Since** 1.0.0

```
public Firstred\PostNL\Service\LabellingServiceInterface::generateLabelSOAP ($generateLabel,  
                                                                    $confirm=true)
```

Generate a single label via SOAP.

Parameters

- **\$generateLabel** (*Firstred\PostNL\Entity\Request\GenerateLabel*)
- **\$confirm** (bool)

Returns *\Firstred\PostNL\Entity\Response\GenerateLabelResponse***Throws** *\Firstred\PostNL\Exception\CifDownException***Throws** *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Since 1.0.0

public Firstred\PostNL\Service\LabellingServiceInterface::**generateLabelsSOAP** (*\$generateLabels*)

Generate multiple labels at once via SOAP.

Parameters

- **\$generateLabels** (array) [*'uuid'* => [GenerateBarcode, confirm], ...]

Returns array

Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Since 1.0.0

public Firstred\PostNL\Service\LabellingServiceInterface::buildGenerateLabelRequestREST

Build the GenerateLabel request for the REST API.

Parameters

- **\$generateLabel** (*Firstred\PostNL\Entity\Request\GenerateLabel*)
- **\$confirm** (bool)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

public Firstred\PostNL\Service\LabellingServiceInterface::processGenerateLabelResponseRE

Process the GenerateLabel REST Response.

Parameters

- **\$response** (*\Psr\Http\Message\ResponseInterface*)

Returns *\Firstred\PostNL\Entity\Response\GenerateLabelResponse* |
null

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Since 1.0.0

public Firstred\PostNL\Service\LabellingServiceInterface::buildGenerateLabelRequestSOAP

Build the GenerateLabel request for the SOAP API.

Parameters

- **\$generateLabel** (*Firstred\PostNL\Entity\Request\GenerateLabel*)
- **\$confirm** (bool)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

public Firstred\PostNL\Service\LabellingServiceInterface::processGenerateLabelResponseSO

Parameters

- **\$response** (*\Psr\Http\Message\ResponseInterface*)

Returns *\Firstred\PostNL\Entity\Response\GenerateLabelResponse*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Since 1.0.0

DeliveryDateServiceInterface

interface Firstred\PostNL\Service\DeliveryDateServiceInterface

Class DeliveryDateService.

Parent *Firstred\PostNL\Service\ServiceInterface*

Summary

Methods

- *public getDeliveryDateREST(\$getDeliveryDate)*
- *public getDeliveryDateSOAP(\$getDeliveryDate)*
- *public getSentDateREST(\$getSentDate)*
- *public getSentDateSOAP(\$getSentDate)*
- *public buildGetDeliveryDateRequestREST(\$getDeliveryDate)*
- *public processGetDeliveryDateResponseREST(\$response)*
- *public buildGetDeliveryDateRequestSOAP(\$getDeliveryDate)*
- *public processGetDeliveryDateResponseSOAP(\$response)*
- *public buildGetSentDateRequestREST(\$getSentDate)*
- *public processGetSentDateResponseREST(\$response)*
- *public buildGetSentDateRequestSOAP(\$getSentDate)*
- *public processGetSentDateResponseSOAP(\$response)*

Methods

public Firstred\PostNL\Service\DeliveryDateServiceInterface::getDeliveryDateREST(*\$getDeliv*

Get a delivery date via REST.

Parameters

- **\$getDeliveryDate** (*Firstred\PostNL\Entity\Request\GetDeliveryDate*)

Returns *\Firstred\PostNL\Entity\Response\GetDeliveryDateResponse*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Since 1.0.0

public *Firstred\PostNL\Service\DeliveryDateServiceInterface::getDeliveryDateSOAP* (*\$getDeliv*

Get a delivery date via SOAP.

Parameters

- **\$getDeliveryDate** (*Firstred\PostNL\Entity\Request\GetDeliveryDate*)

Returns *\Firstred\PostNL\Entity\Response\GetDeliveryDateResponse*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Psr\Cache\InvalidArgumentException*
Since 1.0.0

public Firstred\PostNL\Service\DeliveryDateServiceInterface::getSentDateREST(*\$getSentDate*)

Get the sent date via REST.

Parameters

- **\$getSentDate** (*Firstred\PostNL\Entity\Request\GetSentDateRequest*)

Returns *\Firstred\PostNL\Entity\Response\GetSentDateResponse*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

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Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

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Throws *\Firstred\PostNL\Exception\ResponseException*

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Throws *\Firstred\PostNL\Exception\NotFoundException*

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Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Since 1.0.0

public *Firstred\PostNL\Service\DeliveryDateServiceInterface::getSentDateSOAP* (*\$getSentDate*)

Generate a single label via SOAP.

Parameters

- **\$getSentDate** (*Firstred\PostNL\Entity\Request\GetSentDateRequest*)

Returns *\Firstred\PostNL\Entity\Response\GetSentDateResponse*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Since 1.0.0

public Firstred\PostNL\Service\DeliveryDateServiceInterface::buildGetDeliveryDateRequest

Build the GetDeliveryDate request for the REST API.

Parameters

- **\$getDeliveryDate** (*Firstred\PostNL\Entity\Request\GetDeliveryDate*)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

public Firstred\PostNL\Service\DeliveryDateServiceInterface::processGetDeliveryDateResponse

Process GetDeliveryDate REST Response.

Parameters

- **\$response** (mixed)

Returns *\Firstred\PostNL\Entity\Response\GetDeliveryDateResponse* |
null

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.0.0

public Firstred\PostNL\Service\DeliveryDateServiceInterface::buildGetDeliveryDateRequest

Build the GetDeliveryDate request for the SOAP API.

Parameters

- **\$getDeliveryDate** (*Firstred\PostNL\Entity\Request\GetDeliveryDate*)

Returns \Psr\Http\Message\RequestInterface

Since 1.0.0

public Firstred\PostNL\Service\DeliveryDateServiceInterface::processGetDeliveryDateResponse

Parameters

- **\$response** (Psr\Http\Message\ResponseInterface)

Returns *Firstred\PostNL\Entity\Response\GetDeliveryDateResponse*

Throws *Firstred\PostNL\Exception\CifDownException*

Throws *Firstred\PostNL\Exception\CifException*

Throws *Firstred\PostNL\Exception\ResponseException*

Throws *Firstred\PostNL\Exception\HttpClientException*

Throws *Firstred\PostNL\Exception\CifDownException*

Throws *Firstred\PostNL\Exception\CifException*

Throws *Firstred\PostNL\Exception\ResponseException*

Throws *Firstred\PostNL\Exception\HttpClientException*

Throws *Firstred\PostNL\Exception\CifDownException*

Throws *Firstred\PostNL\Exception\CifException*

Throws *Firstred\PostNL\Exception\ResponseException*

Throws *Firstred\PostNL\Exception\HttpClientException*

Throws *Firstred\PostNL\Exception\CifDownException*

Throws *Firstred\PostNL\Exception\CifException*

Throws *Firstred\PostNL\Exception\ResponseException*

Throws *Firstred\PostNL\Exception\HttpClientException*

Since 1.0.0

public Firstred\PostNL\Service\DeliveryDateServiceInterface::buildGetSentDateRequestREST

Build the GetSentDate request for the REST API.

Parameters

- **\$getSentDate** (*Firstred\PostNL\Entity\Request\GetSentDateRequest*)

Returns \Psr\Http\Message\RequestInterface

Since 1.0.0

public Firstred\PostNL\Service\DeliveryDateServiceInterface::processGetSentDateResponse

Process GetSentDate REST Response.

Parameters

- **\$response** (mixed)

Returns *Firstred\PostNL\Entity\Response\GetSentDateResponse* | null

Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Since 1.0.0

public Firstred\PostNL\Service\DeliveryDateServiceInterface::buildGetSentDateRequestSOAP

Build the GetSentDate request for the SOAP API.

Parameters

- **\$getSentDate** (*Firstred\PostNL\Entity\Request\GetSentDateRequest*)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

public Firstred\PostNL\Service\DeliveryDateServiceInterface::processGetSentDateResponse

Process GetSentDate SOAP Response.

Parameters

- **\$response** (*\Psr\Http\Message\ResponseInterface*)

Returns *\Firstred\PostNL\Entity\Response\GetSentDateResponse*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Since 1.0.0

LocationServiceInterface

interface *Firstred\PostNL\Service\LocationServiceInterface*

Class *LocationService*.

Parent *Firstred\PostNL\Service\ServiceInterface*

Summary

Methods

- *public getNearestLocationsREST(\$getNearestLocations)*
- *public getNearestLocationsSOAP(\$getNearestLocations)*
- *public getLocationsInAreaREST(\$getLocations)*
- *public getLocationsInAreaSOAP(\$getNearestLocations)*
- *public getLocationREST(\$getLocation)*
- *public getLocationSOAP(\$getLocation)*
- *public buildGetNearestLocationsRequestREST(\$getNearestLocations)*
- *public processGetNearestLocationsResponseREST(\$response)*
- *public buildGetNearestLocationsRequestSOAP(\$getLocations)*
- *public processGetNearestLocationsResponseSOAP(\$response)*
- *public buildGetLocationsInAreaRequestREST(\$getLocations)*
- *public processGetLocationsInAreaResponseREST(\$response)*
- *public buildGetLocationsInAreaRequestSOAP(\$getLocations)*
- *public processGetLocationsInAreaResponseSOAP(\$response)*
- *public buildGetLocationRequestREST(\$getLocation)*
- *public processGetLocationResponseREST(\$response)*
- *public buildGetLocationRequestSOAP(\$getLocations)*
- *public processGetLocationResponseSOAP(\$response)*

Methods

public Firstred\PostNL\Service\LocationServiceInterface::getNearestLocationsREST(*\$getNearestLocations*)

Get the nearest locations via REST.

Parameters

- **\$getNearestLocations** (*Firstred\PostNL\Entity\Request\GetNearestLocations*)

Returns *\Firstred\PostNL\Entity\Response\GetNearestLocationsResponse*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

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Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

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Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
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Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Since 1.0.0

public *Firstred\PostNL\Service\LocationServiceInterface::getNearestLocationsSOAP* (*\$getNearestLocations*)

Get the nearest locations via SOAP.

Parameters

- **\$getNearestLocations** (*Firstred\PostNL\Entity\Request\GetNearestLocations*)

Returns *\Firstred\PostNL\Entity\Response\GetNearestLocationsResponse*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

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Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

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Throws *\Sabre\Xml\LibXMLException*

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Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Since 1.0.0

public *Firstred\PostNL\Service\LocationServiceInterface::getLocationsInAreaREST* (*\$getLocation*

Get the nearest locations via REST.

Parameters

- **\$getLocations** (*Firstred\PostNL\Entity\Request\GetLocationsInArea*)

Returns *\Firstred\PostNL\Entity\Response\GetLocationsInAreaResponse*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

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Throws *\Psr\Cache\InvalidArgumentException*

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Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

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Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Since 1.0.0

public Firstred\PostNL\Service\LocationServiceInterface::getLocationsInAreaSOAP (*\$getNearestLocations*)

Get the nearest locations via SOAP.

Parameters

- **\$getNearestLocations** (*Firstred\PostNL\Entity\Request\GetLocationsInArea*)

Returns *\Firstred\PostNL\Entity\Response\GetLocationsInAreaResponse*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

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Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

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Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

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Throws *\Firstred\PostNL\Exception\NotFoundException*

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Throws *\Sabre\Xml\LibXMLException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Since 1.0.0

public *Firstred\PostNL\Service\LocationServiceInterface::getLocationREST* (*\$getLocation*)

Get the location via REST.

Parameters

- **\$getLocation** (*Firstred\PostNL\Entity\Request\GetLocation*)

Returns *\Firstred\PostNL\Entity\Response\GetLocationsInAreaResponse*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

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Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Since 1.0.0

public *Firstred\PostNL\Service\LocationServiceInterface::getLocationSOAP* (*\$getLocation*)

Get the nearest locations via SOAP.

Parameters

- **\$getLocation** (*Firstred\PostNL\Entity\Request\GetLocation*)

Returns *\Firstred\PostNL\Entity\Response\GetLocationsInAreaResponse*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Sabre\Xml\LibXMLException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
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Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Since 1.0.0

public *Firstred\PostNL\Service\LocationServiceInterface::buildGetNearestLocationsRequest*

Build the GenerateLabel request for the REST API.

Parameters

- **\$getNearestLocations** (*Firstred\PostNL\Entity\Request\GetNearestLocations*)

Returns \Psr\Http\Message\RequestInterface

Since 1.0.0

```
public Firstred\PostNL\Service\LocationServiceInterface::processGetNearestLocationsResponse
```

Process GetNearestLocations Response REST.

Parameters

- **\$response** (mixed)

Returns *Firstred\PostNL\Entity\Response\GetNearestLocationsResponse*
| null

Throws *Firstred\PostNL\Exception\ResponseException*

Throws *Firstred\PostNL\Exception\HttpClientException*

Throws *Firstred\PostNL\Exception\NotSupportedException*

Throws *Firstred\PostNL\Exception\InvalidArgumentException*

Throws *Firstred\PostNL\Exception\ResponseException*

Throws *Firstred\PostNL\Exception\HttpClientException*

Throws *Firstred\PostNL\Exception\NotSupportedException*

Throws *Firstred\PostNL\Exception\InvalidArgumentException*

Throws *Firstred\PostNL\Exception\ResponseException*

Throws *Firstred\PostNL\Exception\HttpClientException*

Throws *Firstred\PostNL\Exception\NotSupportedException*

Throws *Firstred\PostNL\Exception\InvalidArgumentException*

Throws *Firstred\PostNL\Exception\ResponseException*

Throws *Firstred\PostNL\Exception\HttpClientException*

Throws *Firstred\PostNL\Exception\NotSupportedException*

Throws *Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.0.0

```
public Firstred\PostNL\Service\LocationServiceInterface::buildGetNearestLocationsRequest
```

Build the GenerateLabel request for the SOAP API.

Parameters

- **\$getLocations** (*Firstred\PostNL\Entity\Request\GetNearestLocations*)

Returns \Psr\Http\Message\RequestInterface

Since 1.0.0

```
public Firstred\PostNL\Service\LocationServiceInterface::processGetNearestLocationsResponse
```

Process GetNearestLocations Response SOAP.

Parameters

- **\$response** (*Psr\Http\Message\ResponseInterface*)

Returns *\Firstred\PostNL\Entity\Response\GetNearestLocationsResponse*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\CifDownException*

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Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

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Throws *\Firstred\PostNL\Exception\ResponseException*

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Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

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Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Since 1.0.0

```
public Firstred\PostNL\Service\LocationServiceInterface::buildGetLocationsInAreaRequest
```

Build the GetLocationsInArea request for the REST API.

Parameters

- **\$getLocations** (*Firstred\PostNL\Entity\Request\GetLocationsInArea*)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

```
public Firstred\PostNL\Service\LocationServiceInterface::processGetLocationsInAreaResponse
```

Proess GetLocationsInArea Response REST.

Parameters

- **\$response** (mixed)

Returns *\Firstred\PostNL\Entity\Response\GetLocationsInAreaResponse*
| null

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

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Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.0.0

```
public Firstred\PostNL\Service\LocationServiceInterface::buildGetLocationsInAreaRequest
```

Build the GetLocationsInArea request for the SOAP API.

Parameters

- **\$getLocations** (*\Firstred\PostNL\Entity\Request\GetLocationsInArea*)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

```
public Firstred\PostNL\Service\LocationServiceInterface::processGetLocationsInAreaResponse
```

Parameters

- **\$response** (*\Psr\Http\Message\ResponseInterface*)

Returns *\Firstred\PostNL\Entity\Response\GetLocationsInAreaResponse*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*
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Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Sabre\Xml\LibXMLException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Since 1.0.0

public Firstred\PostNL\Service\LocationServiceInterface::buildGetLocationRequestREST (*\$ge*

Build the GetLocation request for the REST API.

Parameters

- **\$getLocation** (*Firstred\PostNL\Entity\Request\GetLocation*)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

public Firstred\PostNL\Service\LocationServiceInterface::processGetLocationResponseREST

Process GetLocation Response REST.

Parameters

- **\$response** (mixed)

Returns *\Firstred\PostNL\Entity\Response\GetLocationsInAreaResponse*
| null

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
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Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Since 1.0.0

public Firstred\PostNL\Service\LocationServiceInterface::buildGetLocationRequestSOAP (\$ge

Build the GetLocation request for the SOAP API.

Parameters

- **\$getLocations** (*Firstred\PostNL\Entity\Request\GetLocation*)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

public Firstred\PostNL\Service\LocationServiceInterface::processGetLocationResponseSOAP

Process GetLocation Response SOAP.

Parameters

- **\$response** (*\Psr\Http\Message\ResponseInterface*)

Returns *\Firstred\PostNL\Entity\Response\GetLocationsInAreaResponse*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

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Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

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Throws *\Sabre\Xml\LibXMLException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Since 1.0.0

ServiceInterface

interface Firstred\PostNL\Service**ServiceInterface**

Summary

Methods

- *public cacheItem(\$item)*
- *public retrieveCachedItem(\$uuid)*
- *public removeCachedItem(\$item)*
- *public getTtl()*
- *public setTtl(\$ttl)*
- *public getCache()*
- *public setCache(\$cache)*

Methods

public Firstred\PostNL\Service\ServiceInterface::**cacheItem**(\$item)

Cache an item

Parameters

- **\$item** (Psr\Cache\CacheItemInterface)

Since 1.0.0

```
public Firstred\PostNL\Service\ServiceInterface::retrieveCachedItem($uuid)
```

Retrieve a cached item.

Parameters

- **\$uuid** (string)

Returns \Psr\Cache\CacheItemInterface | null

Throws \Psr\Cache\InvalidArgumentException

Since 1.0.0

```
public Firstred\PostNL\Service\ServiceInterface::removeCachedItem($item)
```

Delete an item from cache

Parameters

- **\$item** (Psr\Cache\CacheItemInterface)

Since 1.2.0

```
public Firstred\PostNL\Service\ServiceInterface::getTtl()
```

Returns \DateInterval | \DateTimeInterface | int | null

Since 1.2.0

```
public Firstred\PostNL\Service\ServiceInterface::setTtl($ttl=null)
```

Parameters

- **\$ttl** (int | \DateTimeInterface | \DateInterval | null)

Returns static

Since 1.2.0

```
public Firstred\PostNL\Service\ServiceInterface::getCache()
```

Returns \Psr\Cache\CacheItemPoolInterface | null

Since 1.2.0

```
public Firstred\PostNL\Service\ServiceInterface::setCache($cache=null)
```

Parameters

- **\$cache** (Psr\Cache\CacheItemPoolInterface | null)

Returns static

Since 1.2.0

BarcodeServiceInterface

```
interface Firstred\PostNL\Service\BarcodeServiceInterface
```

Class BarcodeService.

Parent *Firstred\PostNL\Service\ServiceInterface*

Summary

Methods

- `public generateBarcodeREST($generateBarcode)`
- `public generateBarcodesREST($generateBarcodes)`
- `public generateBarcodeSOAP($generateBarcode)`
- `public generateBarcodesSOAP($generateBarcodes)`
- `public buildGenerateBarcodeRequestREST($generateBarcode)`
- `public processGenerateBarcodeResponseREST($response)`
- `public buildGenerateBarcodeRequestSOAP($generateBarcode)`
- `public processGenerateBarcodeResponseSOAP($response)`

Methods

public Firstred\PostNL\Service\BarcodeServiceInterface::**generateBarcodeREST** (*\$generateBarcode*)

Generate a single barcode.

Parameters

- **\$generateBarcode** (*Firstred\PostNL\Entity\Request\GenerateBarcode*)

Returns string Barcode

Throws \Firstred\PostNL\Exception\CifDownException

Throws \Firstred\PostNL\Exception\CifException

Throws \Firstred\PostNL\Exception\HttpClientException

Throws \Firstred\PostNL\Exception\ResponseException

Throws \Firstred\PostNL\Exception\InvalidConfigurationException

Throws \Firstred\PostNL\Exception\CifDownException

Throws \Firstred\PostNL\Exception\CifException

Throws \Firstred\PostNL\Exception\HttpClientException

Throws \Firstred\PostNL\Exception\ResponseException

Throws \Firstred\PostNL\Exception\InvalidConfigurationException

Throws \Firstred\PostNL\Exception\CifDownException

Throws \Firstred\PostNL\Exception\CifException

Throws \Firstred\PostNL\Exception\HttpClientException

Throws \Firstred\PostNL\Exception\ResponseException

Throws \Firstred\PostNL\Exception\InvalidConfigurationException

Throws \Firstred\PostNL\Exception\CifDownException

Throws \Firstred\PostNL\Exception\CifException

Throws \Firstred\PostNL\Exception\HttpClientException

Throws \Firstred\PostNL\Exception\ResponseException

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Since 1.0.0

public Firstred\PostNL\Service\BarcodeServiceInterface::**generateBarcodesREST**(\$generateBarcodes)

Generate multiple barcodes at once.

Parameters

- **\$generateBarcodes** (*Firstred\PostNL\Entity\Request\GenerateBarcode[]*)

Returns string[] Barcodes

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Since 1.0.0

```
public Firstred\PostNL\Service\BarcodeServiceInterface::generateBarcodeSOAP ($generateBarcode)
```

Generate a single barcode.

Parameters

- **\$generateBarcode** (*Firstred\PostNL\Entity\Request\GenerateBarcode*)

Returns string Barcode

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Since 1.0.0

```
public Firstred\PostNL\Service\BarcodeServiceInterface::generateBarcodesSOAP ($generateBarcodes)
```

Generate multiple barcodes at once.

Parameters

- **\$generateBarcodes** (*Firstred\PostNL\Entity\Request\GenerateBarcode[]*)

Returns string[] Barcodes

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Since 1.0.0

public Firstred\PostNL\Service\BarcodeServiceInterface::buildGenerateBarcodeRequestREST

Build the `generateBarcode` HTTP request for the REST API.

Parameters

- **\$generateBarcode** (*Firstred\PostNL\Entity\Request\GenerateBarcode*)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

public Firstred\PostNL\Service\BarcodeServiceInterface::processGenerateBarcodeResponseRE

Process GenerateBarcode REST response.

Parameters

- **\$response** (*\Psr\Http\Message\ResponseInterface*)

Returns *array*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*
Since 1.0.0

public Firstred\PostNL\Service\BarcodeServiceInterface::buildGenerateBarcodeRequestSOAP

Build the `generateBarcode` HTTP request for the SOAP API.

Parameters

- **\$generateBarcode** (*Firstred\PostNL\Entity\Request\GenerateBarcode*)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

public Firstred\PostNL\Service\BarcodeServiceInterface::processGenerateBarcodeResponseSOAP

Process GenerateBarcode SOAP response.

Parameters

- **\$response** (*\Psr\Http\Message\ResponseInterface*)

Returns *string*

Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Since 1.0.0

ShippingServiceInterface

interface *Firstred\PostNL\Service\ShippingServiceInterface*

Class ShippingService.

Parent *Firstred\PostNL\Service\ServiceInterface*

Summary

Methods

- *public sendShipmentRest(\$sendShipment, \$confirm)*
- *public buildSendShipmentRequestREST(\$sendShipment, \$confirm)*
- *public processSendShipmentResponseREST(\$response)*

Methods

public *Firstred\PostNL\Service\ShippingServiceInterface::sendShipmentRest* (*\$sendShipment*,
\$confirm=true)

Generate a single Shipping vai REST.

Parameters

- **\$sendShipment** (*Firstred\PostNL\Entity\Request\SendShipment*)
- **\$confirm** (bool)

Returns *\Firstred\PostNL\Entity\Response\SendShipmentResponse* | null

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws `\Psr\Cache\InvalidArgumentException`
Throws `\Firstred\PostNL\Exception\HttpClientException`
Throws `\Firstred\PostNL\Exception\NotSupportedException`
Throws `\Firstred\PostNL\Exception\InvalidArgumentException`
Throws `\Firstred\PostNL\Exception\NotFoundException`
Throws `\Firstred\PostNL\Exception\CifDownException`
Throws `\Firstred\PostNL\Exception\CifException`
Throws `\Firstred\PostNL\Exception\ResponseException`
Throws `\Psr\Cache\InvalidArgumentException`
Throws `\Firstred\PostNL\Exception\HttpClientException`
Throws `\Firstred\PostNL\Exception\NotSupportedException`
Throws `\Firstred\PostNL\Exception\InvalidArgumentException`
Since 1.2.0

public `Firstred\PostNL\Service\ShippingServiceInterface::buildSendShipmentRequestREST` (`$s`
`$c`
`fir`

Parameters

- **\$sendShipment** (`Firstred\PostNL\Entity\Request\SendShipment`)
- **\$confirm** (bool)

Returns `\Psr\Http\Message\RequestInterface`

Since 1.2.0

public `Firstred\PostNL\Service\ShippingServiceInterface::processSendShipmentResponseREST`

Process the SendShipment REST Response.

Parameters

- **\$response** (`\Psr\Http\Message\ResponseInterface`)

Returns `\Firstred\PostNL\Entity\Response\SendShipmentResponse` | null

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.2.0

ShippingStatusServiceInterface

interface *Firstred\PostNL\Service\ShippingStatusServiceInterface*

Class ShippingStatusService.

Parent *Firstred\PostNL\Service\ServiceInterface*

Summary

Methods

- *public* *currentStatusREST(\$currentStatus)*
- *public* *currentStatusesREST(\$currentStatuses)*
- *public* *completeStatusREST(\$completeStatus)*
- *public* *completeStatusesREST(\$completeStatuses)*
- *public* *getSignatureREST(\$getSignature)*
- *public* *getSignaturesREST(\$getSignatures)*
- *public* *buildCurrentStatusRequestREST(\$currentStatus)*
- *public* *processCurrentStatusResponseREST(\$response)*
- *public* *buildCompleteStatusRequestREST(\$completeStatus)*
- *public* *processCompleteStatusResponseREST(\$response)*
- *public* *buildGetSignatureRequestREST(\$getSignature)*
- *public* *processGetSignatureResponseREST(\$response)*
- *public* *getUpdatedShipmentsREST(\$customer, \$dateTimeFrom, \$dateTimeTo)*
- *public* *buildGetUpdatedShipmentsRequestREST(\$customer, \$dateTimeFrom, \$dateTimeTo)*
- *public* *processGetUpdatedShipmentsResponseREST(\$response)*

Methods

public Firstred\PostNL\Service\ShippingStatusServiceInterface::currentStatusREST(*\$currentS*

Gets the current status.

This is a combi-function, supporting the following:

- CurrentStatus (by barcode):
 - Fill the Shipment->Barcode property. Leave the rest empty.
- CurrentStatusByReference:
 - Fill the Shipment->Reference property. Leave the rest empty.

Parameters

- **\$currentStatus** (*Firstred\PostNL\Entity\Request\CurrentStatus | \Firstred\PostNL\Entity\Request\CurrentStatusByReference*)

Returns *\Firstred\PostNL\Entity\Response\CurrentStatusResponse*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Since 1.0.0

```
public Firstred\PostNL\Service\ShippingStatusServiceInterface::currentStatusesREST ($currentStatuses)
```

Get current statuses REST.

Parameters

- **\$currentStatuses** (*Firstred\PostNL\Entity\Request\CurrentStatus[]* | *Firstred\PostNL\Entity\Request\CurrentStatusByReference[]*)

Returns *Firstred\PostNL\Entity\Response\CurrentStatusResponse[]*

Throws *Firstred\PostNL\Exception\HttpClientException*

Throws *Firstred\PostNL\Exception\NotSupportedException*

Throws *Firstred\PostNL\Exception\InvalidArgumentException*

Throws *Psr\Cache\InvalidArgumentException*

Throws *Firstred\PostNL\Exception\ResponseException*

Throws *Firstred\PostNL\Exception\HttpClientException*

Throws *Firstred\PostNL\Exception\NotSupportedException*

Throws *Firstred\PostNL\Exception\InvalidArgumentException*

Throws *Psr\Cache\InvalidArgumentException*

Throws *Firstred\PostNL\Exception\ResponseException*

Throws *Firstred\PostNL\Exception\HttpClientException*

Throws *Firstred\PostNL\Exception\NotSupportedException*

Throws *Firstred\PostNL\Exception\InvalidArgumentException*

Throws *Psr\Cache\InvalidArgumentException*

Throws *Firstred\PostNL\Exception\ResponseException*

Throws *Firstred\PostNL\Exception\HttpClientException*

Throws *Firstred\PostNL\Exception\NotSupportedException*

Throws *Firstred\PostNL\Exception\InvalidArgumentException*

Throws *Psr\Cache\InvalidArgumentException*

Throws *Firstred\PostNL\Exception\ResponseException*

Throws *Firstred\PostNL\Exception\HttpClientException*

Throws *Firstred\PostNL\Exception\NotSupportedException*

Throws *Firstred\PostNL\Exception\InvalidArgumentException*

Throws *Psr\Cache\InvalidArgumentException*

Throws *Firstred\PostNL\Exception\ResponseException*

Since 1.2.0

```
public Firstred\PostNL\Service\ShippingStatusServiceInterface::completeStatusREST ($completeStatus)
```

Gets the complete status.

This is a combi-function, supporting the following:

- CurrentStatus (by barcode):
 - Fill the Shipment->Barcode property. Leave the rest empty.
- CurrentStatusByReference:
 - Fill the Shipment->Reference property. Leave the rest empty.

Parameters

- **\$completeStatus** (*Firstred\PostNL\Entity\Request\CompleteStatus* | *Firstred\PostNL\Entity\Request\CompleteStatusByReference*)

Returns *Firstred\PostNL\Entity\Response\UpdatedShipmentsResponse*

Throws *Firstred\PostNL\Exception\CifDownException*

Throws *Firstred\PostNL\Exception\CifException*

Throws *Firstred\PostNL\Exception\HttpClientException*

Throws *Firstred\PostNL\Exception\NotSupportedException*

Throws *Firstred\PostNL\Exception\InvalidArgumentException*

Throws *Firstred\PostNL\Exception\ResponseException*

Throws *Firstred\PostNL\Exception\NotFoundException*

Throws *Firstred\PostNL\Exception\CifDownException*

Throws *Firstred\PostNL\Exception\CifException*

Throws *Firstred\PostNL\Exception\HttpClientException*

Throws *Firstred\PostNL\Exception\NotSupportedException*

Throws *Firstred\PostNL\Exception\InvalidArgumentException*

Throws *Firstred\PostNL\Exception\ResponseException*

Throws *Firstred\PostNL\Exception\NotFoundException*

Throws *Firstred\PostNL\Exception\CifDownException*

Throws *Firstred\PostNL\Exception\CifException*

Throws *Firstred\PostNL\Exception\HttpClientException*

Throws *Firstred\PostNL\Exception\NotSupportedException*

Throws *Firstred\PostNL\Exception\InvalidArgumentException*

Throws *Firstred\PostNL\Exception\ResponseException*

Throws *Firstred\PostNL\Exception\NotFoundException*

Throws *Firstred\PostNL\Exception\CifDownException*

Throws *Firstred\PostNL\Exception\CifException*

Throws *Firstred\PostNL\Exception\HttpClientException*

Throws *Firstred\PostNL\Exception\NotSupportedException*

Throws *Firstred\PostNL\Exception\InvalidArgumentException*

Throws *Firstred\PostNL\Exception\ResponseException*

Throws *Firstred\PostNL\Exception\NotFoundException*

Throws *Firstred\PostNL\Exception\CifDownException*

Throws *Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Since 1.0.0

public Firstred\PostNL\Service\ShippingStatusServiceInterface::completeStatusesREST (\$com

Get complete statuses REST.

Parameters

- **\$completeStatuses** (*Firstred\PostNL\Entity\Request\CompleteStatus[]* | *\Firstred\PostNL\Entity\Request\CompleteStatusByReference[]*)

Returns *\Firstred\PostNL\Entity\Response\CompleteStatusResponse[]*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Since 1.2.0

public Firstred\PostNL\Service\ShippingStatusServiceInterface::getSignatureREST (*\$getSignature*

Gets the complete status.

This is a combi-function, supporting the following:

- CurrentStatus (by barcode):
 - Fill the Shipment->Barcode property. Leave the rest empty.
- CurrentStatusByReference:
 - Fill the Shipment->Reference property. Leave the rest empty.

Parameters

- **\$getSignature** (*Firstred\PostNL\Entity\Request\GetSignature*)

Returns *\Firstred\PostNL\Entity\Response\GetSignatureResponseSignature*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws `\Psr\Cache\InvalidArgumentException`
Throws `\Firstred\PostNL\Exception\HttpClientException`
Throws `\Firstred\PostNL\Exception\NotSupportedException`
Throws `\Firstred\PostNL\Exception\InvalidArgumentException`
Throws `\Firstred\PostNL\Exception\NotFoundException`
Throws `\Firstred\PostNL\Exception\CifDownException`
Throws `\Firstred\PostNL\Exception\CifException`
Throws `\Firstred\PostNL\Exception\ResponseException`
Throws `\Psr\Cache\InvalidArgumentException`
Throws `\Firstred\PostNL\Exception\HttpClientException`
Throws `\Firstred\PostNL\Exception\NotSupportedException`
Throws `\Firstred\PostNL\Exception\InvalidArgumentException`
Throws `\Firstred\PostNL\Exception\NotFoundException`
Since 1.0.0

public `Firstred\PostNL\Service\ShippingStatusServiceInterface::getSignaturesREST($getSignatures)`

Get multiple signatures.

Parameters

- **\$getSignatures** (`Firstred\PostNL\Entity\Request\GetSignature[]`)

Returns `Firstred\PostNL\Entity\Response\GetSignatureResponseSignature[]`
Throws `\Firstred\PostNL\Exception\HttpClientException`
Throws `\Firstred\PostNL\Exception\NotSupportedException`
Throws `\Firstred\PostNL\Exception\InvalidArgumentException`
Throws `\Psr\Cache\InvalidArgumentException`
Throws `\Firstred\PostNL\Exception\ResponseException`
Throws `\Firstred\PostNL\Exception\HttpClientException`
Throws `\Firstred\PostNL\Exception\NotSupportedException`
Throws `\Firstred\PostNL\Exception\InvalidArgumentException`
Throws `\Psr\Cache\InvalidArgumentException`
Throws `\Firstred\PostNL\Exception\ResponseException`
Throws `\Firstred\PostNL\Exception\HttpClientException`
Throws `\Firstred\PostNL\Exception\NotSupportedException`
Throws `\Firstred\PostNL\Exception\InvalidArgumentException`
Throws `\Psr\Cache\InvalidArgumentException`
Throws `\Firstred\PostNL\Exception\ResponseException`
Throws `\Firstred\PostNL\Exception\HttpClientException`
Throws `\Firstred\PostNL\Exception\NotSupportedException`
Throws `\Firstred\PostNL\Exception\InvalidArgumentException`
Throws `\Psr\Cache\InvalidArgumentException`

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Since 1.2.0

public Firstred\PostNL\Service\ShippingStatusServiceInterface::buildCurrentStatusRequest

Build the CurrentStatus request for the REST API.

This function auto-detects and adjusts the following requests:

- CurrentStatus
- CurrentStatusByReference

Parameters

- **\$currentStatus** (*Firstred\PostNL\Entity\Request\CurrentStatus* | *Firstred\PostNL\Entity\Request\CurrentStatusByReference*)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

public Firstred\PostNL\Service\ShippingStatusServiceInterface::processCurrentStatusResponse

Process CurrentStatus Response REST.

Parameters

- **\$response** (mixed)

Returns *Firstred\PostNL\Entity\Response\CurrentStatusResponse*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.0.0

public Firstred\PostNL\Service\ShippingStatusServiceInterface::buildCompleteStatusRequest

Build the CompleteStatus request for the REST API.

This function auto-detects and adjusts the following requests:

- CompleteStatus
- CompleteStatusByReference

Parameters

- **\$completeStatus** (*Firstred\PostNL\Entity\Request\CompleteStatus*)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

public Firstred\PostNL\Service\ShippingStatusServiceInterface::processCompleteStatusResponse

Process CompleteStatus Response REST.

Parameters

- **\$response** (mixed)

Returns *\Firstred\PostNL\Entity\Response\UpdatedShipmentsResponse*
| null

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.0.0

```
public Firstred\PostNL\Service\ShippingStatusServiceInterface::buildGetSignatureRequestP
```

Build the GetSignature request for the REST API.

Parameters

- **\$getSignature** (*Firstred\PostNL\Entity\Request\GetSignature*)

Returns \Psr\Http\Message\RequestInterface

```
public Firstred\PostNL\Service\ShippingStatusServiceInterface::processGetSignatureRespon
```

Process GetSignature Response REST.

Parameters

- **\$response** (mixed)

Returns \Firstred\PostNL\Entity\Response\GetSignatureResponseSignature
| null

Throws \Firstred\PostNL\Exception\ResponseException

Throws \Firstred\PostNL\Exception\HttpClientException

Throws \Firstred\PostNL\Exception\NotSupportedException

Throws \Firstred\PostNL\Exception\InvalidArgumentException

Throws \Firstred\PostNL\Exception\ResponseException

Throws \Firstred\PostNL\Exception\HttpClientException

Throws \Firstred\PostNL\Exception\NotSupportedException

Throws \Firstred\PostNL\Exception\InvalidArgumentException

Throws \Firstred\PostNL\Exception\ResponseException

Throws \Firstred\PostNL\Exception\HttpClientException

Throws \Firstred\PostNL\Exception\NotSupportedException

Throws \Firstred\PostNL\Exception\InvalidArgumentException

Throws \Firstred\PostNL\Exception\ResponseException

Throws \Firstred\PostNL\Exception\HttpClientException

Throws \Firstred\PostNL\Exception\NotSupportedException

Throws \Firstred\PostNL\Exception\InvalidArgumentException

Since 1.0.0

```
public Firstred\PostNL\Service\ShippingStatusServiceInterface::getUpdatedShipmentsREST ($
```

Get updated shipments for customer REST.

Parameters

- **\$customer** (*Firstred\PostNL\Entity\Customer*)
- **\$dateTimeFrom** (DateTimeInterface | null)

- **\$dateTimeTo** (DateTimeInterface | null)

Returns *\Firstred\PostNL\Entity\Response\UpdatedShipmentsResponse[]*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Since 1.2.0

public *Firstred\PostNL\Service\ShippingStatusServiceInterface::buildGetUpdatedShipmentsS*

Build get updated shipments request REST.

Parameters

- **\$customer** (*Firstred\PostNL\Entity\Customer*)
- **\$dateTimeFrom** (*DateTimeInterface* | null)
- **\$dateTimeTo** (*DateTimeInterface* | null)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.2.0

```
public Firstred\PostNL\Service\ShippingStatusServiceInterface::processGetUpdatedShipment
```

Process updated shipments response REST.

Parameters

- **\$response** (Psr\Http\Message\ResponseInterface)

Returns *\Firstred\PostNL\Entity\Response\UpdatedShipmentsResponse[]*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Since 1.2.0

Classes

AbstractService

```
class Firstred\PostNL\Service\AbstractService
```

Class AbstractService.

Summary

Methods

- *public __construct(\$postnl, \$cache, \$ttl)*
- *public __call(\$name, \$args)*
- *public setService(\$object)*
- *public static registerNamespaces(\$element)*

- `public static validateRESTResponse($response)`
- `public static validateSOAPResponse($xml)`
- `public static getResponseText($response)`
- `public retrieveCachedItem($uuid)`
- `public cacheItem($item)`
- `public removeCachedItem($item)`
- `public getTtl()`
- `public setTtl($ttl)`
- `public getCache()`
- `public setCache($cache)`
- `public static defaultDateFormat($writer, $value)`

Constants

```
COMMON_NAMESPACE = \'http://postnl\.nl/cif/services/common/\'
XML_SCHEMA_NAMESPACE = \'http://www\.w3\.org/2001/XMLSchema-instance\'
ENVELOPE_NAMESPACE = \'http://schemas\.xmlsoap\.org/soap/envelope/\'
OLD_ENVELOPE_NAMESPACE = \'http://www\.w3\.org/2003/05/soap-envelope\'
```

Properties

```
public property Firstred\PostNL\Service\AbstractService::$namespaces
    Type array
protected static property Firstred\PostNL\Service\AbstractService::$postnl
    Type \Firstred\PostNL\PostNL
public static property Firstred\PostNL\Service\AbstractService::$ttl
```

TTL for the cache.

`null` disables the cache

`int` is the TTL in seconds

Any `DateTime` will be used as the exact date/time at which to expire the data (auto calculate TTL)

A `DateInterval` can be used as well to set the TTL

Type `int | \DateTimeInterface | \DateInterval | null`

```
public static property Firstred\PostNL\Service\AbstractService::$cache
```

The [PSR-6](<https://www.php-fig.org/psr/psr-6/>) CacheItemPoolInterface.

Use a caching library that implements [PSR-6](<https://www.php-fig.org/psr/psr-6/>) and you'll be good to go
`null` disables the cache

Type `\Psr\Cache\CacheItemPoolInterface | null`

Methods

```
public Firstred\PostNL\Service\AbstractService::__construct ($postnl,  
                                                             $cache=null,  
                                                             $ttl=null)
```

AbstractService constructor.

Parameters

- **\$postnl** (*Firstred\PostNL\PostNL*) PostNL instance
- **\$cache** (`\Psr\Cache\CacheItemPoolInterface | null`)
- **\$ttl** (`int | \DateTimeInterface | \DateInterval | null`)

```
public Firstred\PostNL\Service\AbstractService::__call ($name, $args)
```

Parameters

- **\$name** (string)
- **\$args** (mixed)

Returns mixed

Throws *\Firstred\PostNL\Exception\InvalidMethodException*

Since 1.0.0

```
public Firstred\PostNL\Service\AbstractService::setService ($object)
```

Set the webservice on the object.

This lets the object know for which service it should serialize

Parameters

- **\$object** (*Firstred\PostNL\Entity\AbstractEntity*)

Returns bool

Since 1.0.0

```
public static Firstred\PostNL\Service\AbstractService::registerNamespaces ($element)
```

Register namespaces.

Parameters

- **\$element** (SimpleXMLElement)

Since 1.0.0

```
public static Firstred\PostNL\Service\AbstractService::validateRESTResponse ($response)
```

Parameters

- **\$response** (`\Psr\Http\Message\ResponseInterface | \Exception`)

Returns bool

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Since 1.0.0

public static *Firstred\PostNL\Service\AbstractService::validateSOAPResponse* (*\$xml*)

Parameters

- *\$xml* (SimpleXMLElement)

Returns *bool*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Since 1.0.0

public static *Firstred\PostNL\Service\AbstractService::getResponseText* (*\$response*)

Get the response.

Parameters

- **\$response**

Returns string

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Since 1.0.0

public Firstred\PostNL\Service\AbstractService::**retrieveCachedItem**(\$uuid)

Retrieve a cached item.

Parameters

- **\$uuid** (string)

Returns \Psr\Cache\CacheItemInterface | null

Throws \Psr\Cache\InvalidArgumentException

Since 1.0.0

public Firstred\PostNL\Service\AbstractService::**cacheItem**(\$item)

Cache an item

Parameters

- **\$item** (Psr\Cache\CacheItemInterface)

Since 1.0.0

public Firstred\PostNL\Service\AbstractService::**removeCachedItem**(\$item)

Delete an item from cache

Parameters

- **\$item** (Psr\Cache\CacheItemInterface)

Throws \Psr\Cache\InvalidArgumentException

Since 1.2.0

public Firstred\PostNL\Service\AbstractService::**getTtl**()

Returns \DateInterval | \DateTimeInterface | int | null

Since 1.2.0

public Firstred\PostNL\Service\AbstractService::**setTtl**(\$ttl=null)

Parameters

- **\$ttl** (int | \DateTimeInterface | \DateInterval | null)

Returns static

Since 1.2.0

public Firstred\PostNL\Service\AbstractService::**getCache**()

Returns \Psr\Cache\CacheItemPoolInterface | null

Since 1.2.0

```
public Firstred\PostNL\Service\AbstractService::setCache($cache=null)
```

Parameters

- **\$cache** (Psr\Cache\CacheItemPoolInterface | null)

Returns static

Since 1.2.0

```
public static Firstred\PostNL\Service\AbstractService::defaultDateFormat($writer,
                                                                    $value)
```

Write default date format in XML

Parameters

- **\$writer** (Sabre\Xml\Writer)
- **\$value** (DateTimeImmutable)

Since 1.2.0

LocationService

```
class Firstred\PostNL\Service\LocationService
```

Class LocationService.

Parent *Firstred\PostNL\Service\AbstractService*

Implements *Firstred\PostNL\Service\LocationServiceInterface*

Summary

Methods

- *public getNearestLocationsREST(\$getNearestLocations)*
- *public getNearestLocationsSOAP(\$getNearestLocations)*
- *public getLocationsInAreaREST(\$getLocations)*
- *public getLocationsInAreaSOAP(\$getNearestLocations)*
- *public getLocationREST(\$getLocation)*
- *public getLocationSOAP(\$getLocation)*
- *public buildGetNearestLocationsRequestREST(\$getNearestLocations)*
- *public processGetNearestLocationsResponseREST(\$response)*
- *public buildGetNearestLocationsRequestSOAP(\$getLocations)*
- *public processGetNearestLocationsResponseSOAP(\$response)*
- *public buildGetLocationsInAreaRequestREST(\$getLocations)*
- *public processGetLocationsInAreaResponseREST(\$response)*
- *public buildGetLocationsInAreaRequestSOAP(\$getLocations)*
- *public processGetLocationsInAreaResponseSOAP(\$response)*
- *public buildGetLocationRequestREST(\$getLocation)*

- `public processGetLocationResponseREST($response)`
- `public buildGetLocationRequestSOAP($getLocations)`
- `public processGetLocationResponseSOAP($response)`

Constants

```
VERSION = \'2\1\'
LIVE_ENDPOINT = \'https://api\postnl\.nl/shipment/v2\1/locations\'
SANDBOX_ENDPOINT = \'https://api\-sandbox\postnl\.nl/shipment/v2\1/locations\'
SOAP_ACTION = \'http://postnl\.nl/cif/services/LocationWebService/ILocationWebService/Ge
SOAP_ACTION_LOCATIONS_IN_AREA = \'http://postnl\.nl/cif/services/LocationWebService/ILoc
SERVICES_NAMESPACE = \'http://postnl\.nl/cif/services/LocationWebService/\'
DOMAIN_NAMESPACE = \'http://postnl\.nl/cif/domain/LocationWebService/\'
```

Properties

```
public property Firstred\PostNL\Service\LocationService::$namespaces
```

Namespaces uses for the SOAP version of this service.

Type array

Methods

```
public Firstred\PostNL\Service\LocationService::getNearestLocationsREST($getNearestLocations)
```

Get the nearest locations via REST.

Parameters

- **\$getNearestLocations** (*Firstred\PostNL\Entity\Request\GetNearestLocations*)

Returns *\Firstred\PostNL\Entity\Response\GetNearestLocationsResponse*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Since 1.0.0

public Firstred\PostNL\Service\LocationService::getNearestLocationsSOAP (*\$getNearestLocations*)

Get the nearest locations via SOAP.

Parameters

- **\$getNearestLocations** (*Firstred\PostNL\Entity\Request\GetNearestLocations*)

Returns *\Firstred\PostNL\Entity\Response\GetNearestLocationsResponse*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Sabre\Xml\LibXMLException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Sabre\Xml\LibXMLException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Sabre\Xml\LibXMLException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Sabre\Xml\LibXMLException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Sabre\Xml\LibXMLException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Sabre\Xml\LibXMLException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Since 1.0.0

public *Firstred\PostNL\Service\LocationService::getLocationsInAreaREST* (*\$getLocations*)

Get the nearest locations via REST.

Parameters

- ***\$getLocations*** (*Firstred\PostNL\Entity\Request\GetLocationsInArea*)

Returns *\Firstred\PostNL\Entity\Response\GetLocationsInAreaResponse*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Since 1.0.0

public *Firstred\PostNL\Service\LocationService::getLocationsInAreaSOAP* (*\$getNearestLocations*)

Get the nearest locations via SOAP.

Parameters

- **\$getNearestLocations** (*Firstred\PostNL\Entity\Request\GetLocationsInArea*)

Returns *Firstred\PostNL\Entity\Response\GetLocationsInAreaResponse*

Throws *Firstred\PostNL\Exception\CifDownException*

Throws *Firstred\PostNL\Exception\CifException*

Throws *Sabre\Xml\LibXMLException*

Throws *Firstred\PostNL\Exception\ResponseException*

Throws *Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws `\Sabre\Xml\LibXMLException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotFoundException`

Since 1.0.0

public `Firstred\PostNL\Service\LocationService::getLocationREST($getLocation)`

Get the location via REST.

Parameters

- **\$getLocation** (`Firstred\PostNL\Entity\Request\GetLocation`)

Returns `\Firstred\PostNL\Entity\Response\GetLocationsInAreaResponse`

Throws `\Firstred\PostNL\Exception\CifDownException`

Throws `\Firstred\PostNL\Exception\CifException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotFoundException`

Throws `\Firstred\PostNL\Exception\CifDownException`

Throws `\Firstred\PostNL\Exception\CifException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotFoundException`

Throws `\Firstred\PostNL\Exception\CifDownException`

Throws `\Firstred\PostNL\Exception\CifException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotFoundException`

Throws `\Firstred\PostNL\Exception\CifDownException`

Throws `\Firstred\PostNL\Exception\CifException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotFoundException`

Throws `\Firstred\PostNL\Exception\CifDownException`

Throws `\Firstred\PostNL\Exception\CifException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotFoundException`

Throws `\Firstred\PostNL\Exception\CifDownException`

Throws `\Firstred\PostNL\Exception\CifException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotFoundException`

Throws `\Firstred\PostNL\Exception\CifDownException`

Throws `\Firstred\PostNL\Exception\CifException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotFoundException`

Throws `\Firstred\PostNL\Exception\CifDownException`

Throws `\Firstred\PostNL\Exception\CifException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotFoundException`

Since 1.0.0


```
public Firstred\PostNL\Service\LocationService::getLocationSOAP ($getLocation)
```

Get the nearest locations via SOAP.

Parameters

- **\$getLocation** (*Firstred\PostNL\Entity\Request\GetLocation*)

Returns *\Firstred\PostNL\Entity\Response\GetLocationsInAreaResponse*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Sabre\Xml\LibXMLException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Sabre\Xml\LibXMLException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Since 1.0.0

public Firstred\PostNL\Service\LocationService::buildGetNearestLocationsRequestREST(*\$getNearestLocationsRequest*)

Build the GenerateLabel request for the REST API.

Parameters

- **\$getNearestLocations** (*Firstred\PostNL\Entity\Request\GetNearestLocations*)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

public Firstred\PostNL\Service\LocationService::processGetNearestLocationsResponseREST(*\$getNearestLocationsResponse*)

Process GetNearestLocations Response REST.

Parameters

- **\$response** (mixed)

Returns *\Firstred\PostNL\Entity\Response\GetNearestLocationsResponse*
| null

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Since 1.0.0

```
public Firstred\PostNL\Service\LocationService::buildGetNearestLocationsRequestSOAP ($getLocation)
```

Build the GenerateLabel request for the SOAP API.

Parameters

- **\$getLocations** (*Firstred\PostNL\Entity\Request\GetNearestLocations*)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

```
public Firstred\PostNL\Service\LocationService::processGetNearestLocationsResponseSOAP ($response)
```

Process GetNearestLocations Response SOAP.

Parameters

- **\$response** (*\Psr\Http\Message\ResponseInterface*)

Returns *\Firstred\PostNL\Entity\Response\GetNearestLocationsResponse*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Sabre\Xml\LibXMLException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Sabre\Xml\LibXMLException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Since 1.0.0

public Firstred\PostNL\Service\LocationService::buildGetLocationsInAreaRequestREST(*\$getLo*

Build the GetLocationsInArea request for the REST API.

Parameters

- **\$getLocations** (*Firstred\PostNL\Entity\Request\GetLocationsInArea*)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

public Firstred\PostNL\Service\LocationService::processGetLocationsInAreaResponseREST(*\$re*

Process GetLocationsInArea Response REST.

Parameters

- **\$response** (mixed)

Returns *\Firstred\PostNL\Entity\Response\GetLocationsInAreaResponse*
| null

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.0.0

public Firstred\PostNL\Service\LocationService::buildGetLocationsInAreaRequestSOAP (*\$getLo*

Build the GetLocationsInArea request for the SOAP API.

Parameters

- **\$getLocations** (*Firstred\PostNL\Entity\Request\GetLocationsInArea*)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

public Firstred\PostNL\Service\LocationService::processGetLocationsInAreaResponseSOAP (*\$response*

Parameters

- **\$response** (*\Psr\Http\Message\ResponseInterface*)

Returns *\Firstred\PostNL\Entity\Response\GetLocationsInAreaResponse*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Sabre\Xml\LibXMLException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Since 1.0.0

public Firstred\PostNL\Service\LocationService::buildGetLocationRequestREST (*\$getLocation*)

Build the GetLocation request for the REST API.

Parameters

- **\$getLocation** (*Firstred\PostNL\Entity\Request\GetLocation*)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

public Firstred\PostNL\Service\LocationService::processGetLocationResponseREST (*\$response*)

Process GetLocation Response REST.

Parameters

- **\$response** (mixed)

Returns *\Firstred\PostNL\Entity\Response\GetLocationsInAreaResponse*
| null

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.0.0

public Firstred\PostNL\Service\LocationService::buildGetLocationRequestSOAP (*\$getLocations*)

Build the GetLocation request for the SOAP API.

Parameters

- **\$getLocations** (*Firstred\PostNL\Entity\Request\GetLocation*)

Returns \Psr\Http\Message\RequestInterface

Since 1.0.0

public Firstred\PostNL\Service\LocationService::processGetLocationResponseSOAP (*\$response*)

Process GetLocation Response SOAP.

Parameters

- **\$response** (Psr\Http\Message\ResponseInterface)

Returns \Firstred\PostNL\Entity\Response\GetLocationsInAreaResponse

Throws \Firstred\PostNL\Exception\CifDownException

Throws \Firstred\PostNL\Exception\CifException

Throws \Sabre\Xml\LibXMLException

Throws \Firstred\PostNL\Exception\ResponseException

Throws \Firstred\PostNL\Exception\HttpClientException

Throws \Firstred\PostNL\Exception\CifDownException

Throws \Firstred\PostNL\Exception\CifException

Throws \Sabre\Xml\LibXMLException

Throws \Firstred\PostNL\Exception\ResponseException

Throws \Firstred\PostNL\Exception\HttpClientException

Throws \Firstred\PostNL\Exception\CifDownException

Throws \Firstred\PostNL\Exception\CifException

Throws \Sabre\Xml\LibXMLException

Throws \Firstred\PostNL\Exception\ResponseException

Throws \Firstred\PostNL\Exception\HttpClientException

Throws \Firstred\PostNL\Exception\CifDownException

Throws \Firstred\PostNL\Exception\CifException

Throws \Sabre\Xml\LibXMLException

Throws \Firstred\PostNL\Exception\ResponseException

Throws \Firstred\PostNL\Exception\HttpClientException

Throws \Firstred\PostNL\Exception\CifDownException

Throws \Firstred\PostNL\Exception\CifException

Throws \Sabre\Xml\LibXMLException

Throws \Firstred\PostNL\Exception\ResponseException

Throws \Firstred\PostNL\Exception\HttpClientException

Since 1.0.0

ShippingService

class Firstred\PostNL\Service\ShippingService

Class ShippingService.

Parent *Firstred\PostNL\Service\AbstractService*

Implements *Firstred\PostNL\Service\ShippingServiceInterface*

Summary

Methods

- *public sendShipmentRest(\$sendShipment, \$confirm)*
- *public buildSendShipmentRequestREST(\$sendShipment, \$confirm)*
- *public processSendShipmentResponseREST(\$response)*

Constants

VERSION = `\ '1\ '`

LIVE_ENDPOINT = `\ 'https://api\.postnl\.nl/v1/shipment\ '`

SANDBOX_ENDPOINT = `\ 'https://api\ -sandbox\.postnl\.nl/v1/shipment\ '`

DOMAIN_NAMESPACE = `\ 'http://postnl\.nl/\ '`

Methods

public Firstred\PostNL\Service\ShippingService::sendShipmentRest (*\$sendShipment*,
\$confirm=true)

Generate a single Shipping vai REST.

Parameters

- **\$sendShipment** (*Firstred\PostNL\Entity\Request\SendShipment*)
- **\$confirm** (bool)

Returns *\Firstred\PostNL\Entity\Response\SendShipmentResponse* | null

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Since 1.2.0

public Firstred\PostNL\Service\ShippingService::**buildSendShipmentRequestREST** (*\$sendShipment*,
\$confirm=true

Parameters

- **\$sendShipment** (*Firstred\PostNL\Entity\Request\SendShipment*)
- **\$confirm** (bool)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.2.0

public Firstred\PostNL\Service\ShippingService::**processSendShipmentResponseREST** (*\$response*)

Process the SendShipment REST Response.

Parameters

- **\$response** (*\Psr\Http\Message\ResponseInterface*)

Returns *\Firstred\PostNL\Entity\Response\SendShipmentResponse* | null

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.2.0

BarcodeService

class Firstred\PostNL\Service\BarcodeService

Class BarcodeService.

Parent *Firstred\PostNL\Service\AbstractService*

Implements *Firstred\PostNL\Service\BarcodeServiceInterface*

Summary

Methods

- *public generateBarcodeREST(\$generateBarcode)*
- *public generateBarcodeSOAP(\$generateBarcode)*
- *public generateBarcodesREST(\$generateBarcodes)*
- *public generateBarcodesSOAP(\$generateBarcodes)*
- *public buildGenerateBarcodeRequestREST(\$generateBarcode)*
- *public buildGenerateBarcodeRequestSOAP(\$generateBarcode)*
- *public processGenerateBarcodeResponseREST(\$response)*
- *public processGenerateBarcodeResponseSOAP(\$response)*

Constants

VERSION = *\'1\.1\'*

SANDBOX_ENDPOINT = *\'https://api\ -sandbox\.postnl\.nl/shipment/v1_1/barcode\'*

LIVE_ENDPOINT = *\'https://api\.postnl\.nl/shipment/v1_1/barcode\'*

SOAP_ACTION = *\'http://postnl\.nl/cif/services/BarcodeWebService/IBarcodeWebService/GenerateBarcode\'*

ENVELOPE_NAMESPACE = *\'http://schemas\.xmlsoap\.org/soap/envelope/\'*

SERVICES_NAMESPACE = *\'http://postnl\.nl/cif/services/BarcodeWebService/\'*

DOMAIN_NAMESPACE = *\'http://postnl\.nl/cif/domain/BarcodeWebService/\'*

Properties

protected static property Firstred\PostNL\Service\BarcodeService::\$**postnl**

Type *\Firstred\PostNL\PostNL*

public property Firstred\PostNL\Service\BarcodeService::\$**namespaces**

Namespaces uses for the SOAP version of this service.

Type array

Methods

public Firstred\PostNL\Service\BarcodeService::**generateBarcodeREST** (*\$generateBarcode*)

Generate a single barcode.

Parameters

- **\$generateBarcode** (*Firstred\PostNL\Entity\Request\GenerateBarcode*)

Returns string | null Barcode

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Since 1.0.0

public Firstred\PostNL\Service\BarcodeService::**generateBarcodeSOAP** (*\$generateBarcode*)

Generate a single barcode.

Parameters

- **\$generateBarcode** (*Firstred\PostNL\Entity\Request\GenerateBarcode*)

Returns string Barcode

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Since 1.0.0

public Firstred\PostNL\Service\BarcodeService::**generateBarcodesREST** (*\$generateBarcodes*)

Generate multiple barcodes at once.

Parameters

- **\$generateBarcodes** (*Firstred\PostNL\Entity\Request\GenerateBarcode[]*)

Returns string[] Barcodes

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*
Since 1.0.0

public Firstred\PostNL\Service\BarcodeService::**generateBarcodesSOAP** (*\$generateBarcodes*)

Generate multiple barcodes at once.

Parameters

- **\$generateBarcodes** (*Firstred\PostNL\Entity\Request\GenerateBarcode[]*)

Returns *string[]* Barcodes

Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Since 1.0.0

public Firstred\PostNL\Service\BarcodeService::buildGenerateBarcodeRequestREST (\$generateBarcode)

Build the `generateBarcode` HTTP request for the REST API.

Parameters

- **\$generateBarcode** (*Firstred\PostNL\Entity\Request\GenerateBarcode*)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

public Firstred\PostNL\Service\BarcodeService::buildGenerateBarcodeRequestSOAP (\$generateBarcode)

Build the `generateBarcode` HTTP request for the SOAP API.

Parameters

- **\$generateBarcode** (*Firstred\PostNL\Entity\Request\GenerateBarcode*)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

public Firstred\PostNL\Service\BarcodeService::processGenerateBarcodeResponseREST (\$response)

Process GenerateBarcode REST response.

Parameters

- **\$response** (*\Psr\Http\Message\ResponseInterface*)

Returns *\stdClass*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*
Since 1.0.0

public Firstred\PostNL\Service\BarcodeService::processGenerateBarcodeResponseSOAP (*\$response*)

Process GenerateBarcode SOAP response.

Parameters

- **\$response** (Psr\Http\Message\ResponseInterface)

Returns string

Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Since 1.0.0

DeliveryDateService

class Firstred\PostNL\Service\DeliveryDateService

Class DeliveryDateService.

Parent *Firstred\PostNL\Service\AbstractService*

Implements *Firstred\PostNL\Service\DeliveryDateServiceInterface*

Summary

Methods

- *public getDeliveryDateREST(\$getDeliveryDate)*
- *public getDeliveryDateSOAP(\$getDeliveryDate)*
- *public getSentDateREST(\$getSentDate)*
- *public getSentDateSOAP(\$getSentDate)*
- *public buildGetDeliveryDateRequestREST(\$getDeliveryDate)*
- *public processGetDeliveryDateResponseREST(\$response)*
- *public buildGetDeliveryDateRequestSOAP(\$getDeliveryDate)*
- *public processGetDeliveryDateResponseSOAP(\$response)*
- *public buildGetSentDateRequestREST(\$getSentDate)*
- *public processGetSentDateResponseREST(\$response)*
- *public buildGetSentDateRequestSOAP(\$getSentDate)*
- *public processGetSentDateResponseSOAP(\$response)*

Constants

VERSION = `\ '2\ .2\ '`

LIVE_ENDPOINT = `\ 'https://api\ .postnl\ .nl/shipment/v2\ _2/calculate/date\ '`

SANDBOX_ENDPOINT = `\ 'https://api\ -sandbox\ .postnl\ .nl/shipment/v2\ _2/calculate/date\ '`

SOAP_ACTION = `\ 'http://postnl\ .nl/cif/services/DeliveryDateWebService/IDeliveryDateWebSe`

SERVICES_NAMESPACE = `\ 'http://postnl\ .nl/cif/services/DeliveryDateWebService/\ '`

DOMAIN_NAMESPACE = `\ 'http://postnl\ .nl/cif/domain/DeliveryDateWebService/\ '`

Properties

public property Firstred\PostNL\Service\DeliveryDateService::\$namespaces

Namespaces uses for the SOAP version of this service.

Type array

Methods

public Firstred\PostNL\Service\DeliveryDateService::getDeliveryDateREST (*\$getDeliveryDate*)

Get a delivery date via REST.

Parameters

- **\$getDeliveryDate** (*Firstred\PostNL\Entity\Request\GetDeliveryDate*)

Returns *\Firstred\PostNL\Entity\Response\GetDeliveryDateResponse*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Psr\Cache\InvalidArgumentException*
Since 1.0.0

public Firstred\PostNL\Service\DeliveryDateService::getDeliveryDateSOAP (*\$getDeliveryDate*)

Get a delivery date via SOAP.

Parameters

- **\$getDeliveryDate** (*Firstred\PostNL\Entity\Request\GetDeliveryDate*)

Returns *\Firstred\PostNL\Entity\Response\GetDeliveryDateResponse*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Psr\Cache\InvalidArgumentException*
Since 1.0.0

public *Firstred\PostNL\Service\DeliveryDateService::getSentDateREST* (*\$getSentDate*)

Get the sent date via REST.

Parameters

- **\$getSentDate** (*Firstred\PostNL\Entity\Request\GetSentDateRequest*)

Returns *\Firstred\PostNL\Entity\Response\GetSentDateResponse*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws `\Psr\Cache\InvalidArgumentException`
Throws `\Firstred\PostNL\Exception\CifDownException`
Throws `\Firstred\PostNL\Exception\CifException`
Throws `\Firstred\PostNL\Exception\ResponseException`
Throws `\Firstred\PostNL\Exception\HttpClientException`
Throws `\Firstred\PostNL\Exception\NotSupportedException`
Throws `\Firstred\PostNL\Exception\InvalidArgumentException`
Throws `\Firstred\PostNL\Exception\NotFoundException`
Throws `\Psr\Cache\InvalidArgumentException`
Throws `\Firstred\PostNL\Exception\CifDownException`
Throws `\Firstred\PostNL\Exception\CifException`
Throws `\Firstred\PostNL\Exception\ResponseException`
Throws `\Firstred\PostNL\Exception\HttpClientException`
Throws `\Firstred\PostNL\Exception\NotSupportedException`
Throws `\Firstred\PostNL\Exception\InvalidArgumentException`
Throws `\Firstred\PostNL\Exception\NotFoundException`
Throws `\Psr\Cache\InvalidArgumentException`
Since 1.0.0

public `Firstred\PostNL\Service\DeliveryDateService::getSentDateSOAP` (*\$getSentDate*)

Generate a single label via SOAP.

Parameters

- **\$getSentDate** (*Firstred\PostNL\Entity\Request\GetSentDateRequest*)

Returns `\Firstred\PostNL\Entity\Response\GetSentDateResponse`
Throws `\Firstred\PostNL\Exception\CifDownException`
Throws `\Firstred\PostNL\Exception\CifException`
Throws `\Firstred\PostNL\Exception\ResponseException`
Throws `\Firstred\PostNL\Exception\HttpClientException`
Throws `\Firstred\PostNL\Exception\NotFoundException`
Throws `\Psr\Cache\InvalidArgumentException`
Throws `\Firstred\PostNL\Exception\CifDownException`
Throws `\Firstred\PostNL\Exception\CifException`
Throws `\Firstred\PostNL\Exception\ResponseException`
Throws `\Firstred\PostNL\Exception\HttpClientException`
Throws `\Firstred\PostNL\Exception\NotFoundException`
Throws `\Psr\Cache\InvalidArgumentException`
Throws `\Firstred\PostNL\Exception\CifDownException`
Throws `\Firstred\PostNL\Exception\CifException`

Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Psr\Cache\InvalidArgumentException*
Since 1.0.0

public Firstred\PostNL\Service\DeliveryDateService::buildGetDeliveryDateRequestREST (\$getL

Build the GetDeliveryDate request for the REST API.

Parameters

- **\$getDeliveryDate** (*Firstred\PostNL\Entity\Request\GetDeliveryDate*)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

public Firstred\PostNL\Service\DeliveryDateService::processGetDeliveryDateResponseREST (\$

Process GetDeliveryDate REST Response.

Parameters

- **\$response** (mixed)

Returns *Firstred\PostNL\Entity\Response\GetDeliveryDateResponse* |
null

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Since 1.0.0

public Firstred\PostNL\Service\DeliveryDateService::buildGetDeliveryDateRequestSOAP (*\$getL*

Build the GetDeliveryDate request for the SOAP API.

Parameters

- **\$getDeliveryDate** (*Firstred\PostNL\Entity\Request\GetDeliveryDate*)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

public Firstred\PostNL\Service\DeliveryDateService::processGetDeliveryDateResponseSOAP (*\$*

Parameters

- **\$response** (*\Psr\Http\Message\ResponseInterface*)

Returns *\Firstred\PostNL\Entity\Response\GetDeliveryDateResponse*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Since 1.0.0

```
public Firstred\PostNL\Service\DeliveryDateService::buildGetSentDateRequestREST ($getSentDateRequest)
```

Build the GetSentDate request for the REST API.

Parameters

- **\$getSentDate** (*Firstred\PostNL\Entity\Request\GetSentDateRequest*)

Returns \Psr\Http\Message\RequestInterface

Since 1.0.0

```
public Firstred\PostNL\Service\DeliveryDateService::processGetSentDateResponseREST ($response)
```

Process GetSentDate REST Response.

Parameters

- **\$response** (mixed)

Returns *Firstred\PostNL\Entity\Response\GetSentDateResponse* | null

Throws *Firstred\PostNL\Exception\ResponseException*

Throws *Firstred\PostNL\Exception\HttpClientException*

Throws *Firstred\PostNL\Exception\NotSupportedException*

Throws *Firstred\PostNL\Exception\InvalidArgumentException*

Throws *Firstred\PostNL\Exception\ResponseException*

Throws *Firstred\PostNL\Exception\HttpClientException*

Throws *Firstred\PostNL\Exception\NotSupportedException*

Throws *Firstred\PostNL\Exception\InvalidArgumentException*

Throws *Firstred\PostNL\Exception\ResponseException*

Throws *Firstred\PostNL\Exception\HttpClientException*

Throws *Firstred\PostNL\Exception\NotSupportedException*

Throws *Firstred\PostNL\Exception\InvalidArgumentException*

Throws *Firstred\PostNL\Exception\ResponseException*

Throws *Firstred\PostNL\Exception\HttpClientException*

Throws *Firstred\PostNL\Exception\NotSupportedException*

Throws *Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.0.0

```
public Firstred\PostNL\Service\DeliveryDateService::buildGetSentDateRequestSOAP ($getSentDateRequest)
```

Build the GetSentDate request for the SOAP API.

Parameters

- **\$getSentDate** (*Firstred\PostNL\Entity\Request\GetSentDateRequest*)

Returns \Psr\Http\Message\RequestInterface

Since 1.0.0


```
public Firstred\PostNL\Service\DeliveryDateService::processGetSentDateResponseSOAP ($response)
```

Process GetSentDate SOAP Response.

Parameters

- **\$response** (Psr\Http\Message\ResponseInterface)

Returns *\Firstred\PostNL\Entity\Response\GetSentDateResponse*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Since 1.0.0

TimeframeService

```
class Firstred\PostNL\Service\TimeframeService
```

Class TimeframeService.

Parent *Firstred\PostNL\Service\AbstractService*

Implements *Firstred\PostNL\Service\TimeframeServiceInterface*

Summary

Methods

- *public getTimeframesREST(\$getTimeframes)*
- *public getTimeframesSOAP(\$getTimeframes)*
- *public buildGetTimeframesRequestREST(\$getTimeframes)*
- *public processGetTimeframesResponseREST(\$response)*
- *public buildGetTimeframesRequestSOAP(\$getTimeframes)*

- `public processGetTimeframesResponseSOAP($response)`

Constants

```
VERSION = \'2\1\'
LIVE_ENDPOINT = \'https://api\postnl\.nl/shipment/v2\1/calculate/timeframes\'
SANDBOX_ENDPOINT = \'https://api\-sandbox\postnl\.nl/shipment/v2\1/calculate/timeframes\'
SOAP_ACTION = \'http://postnl\.nl/cif/services/TimeframeWebService/ITimeframeWebService\'
SERVICES_NAMESPACE = \'http://postnl\.nl/cif/services/TimeframeWebService/\'
DOMAIN_NAMESPACE = \'http://postnl\.nl/cif/domain/TimeframeWebService/\'
```

Properties

public property Firstred\PostNL\Service\TimeframeService::\$namespaces

Namespaces uses for the SOAP version of this service.

Type array

Methods

public Firstred\PostNL\Service\TimeframeService::get**TimeframesREST**(\$getTimeframes)

Get timeframes via REST.

Parameters

- **\$getTimeframes** (*Firstred\PostNL\Entity\Request\GetTimeframes*)

Returns *\Firstred\PostNL\Entity\Response\ResponseTimeframes*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Since 1.0.0

public Firstred\PostNL\Service\TimeframeService::get**TimeframesSOAP** (*\$getTimeframes*)

Get timeframes via SOAP.

Parameters

- **\$getTimeframes** (*Firstred\PostNL\Entity\Request\GetTimeframes*)

Returns *\Firstred\PostNL\Entity\Response\ResponseTimeframes*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Since 1.0.0

public Firstred\PostNL\Service\TimeframeService::buildGetTimeframesRequestREST (*\$getTimeframes*)

Build the GetTimeframes request for the REST API.

Parameters

- **\$getTimeframes** (*Firstred\PostNL\Entity\Request\GetTimeframes*)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

public Firstred\PostNL\Service\TimeframeService::processGetTimeframesResponseREST (*\$response*)

Process GetTimeframes Response REST.

Parameters

- **\$response** (mixed)

Returns *\Firstred\PostNL\Entity\Response\ResponseTimeframes* | null

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.0.0

public Firstred\PostNL\Service\TimeframeService::buildGetTimeframesRequestSOAP (*\$getTimeframesRequest*)

Build the GetTimeframes request for the SOAP API.

Parameters

- **\$getTimeframes** (*Firstred\PostNL\Entity\Request\GetTimeframes*)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

public Firstred\PostNL\Service\TimeframeService::processGetTimeframesResponseSOAP (*\$getResponse*)

Process GetTimeframes Response SOAP.

Parameters

- **\$response** (*\Psr\Http\Message\ResponseInterface*)

Returns *\Firstred\PostNL\Entity\Response\ResponseTimeframes*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Since 1.0.0

ShippingStatusService

class Firstred\PostNL\Service\ShippingStatusService

Class ShippingStatusService.

Parent *Firstred\PostNL\Service\AbstractService*

Implements *Firstred\PostNL\Service\ShippingStatusServiceInterface*

Summary

Methods

- *public* *currentStatusREST(\$currentStatus)*
- *public* *currentStatusesREST(\$currentStatuses)*
- *public* *completeStatusREST(\$completeStatus)*
- *public* *completeStatusesREST(\$completeStatuses)*
- *public* *getSignatureREST(\$getSignature)*
- *public* *getSignaturesREST(\$getSignatures)*
- *public* *buildCurrentStatusRequestREST(\$currentStatus)*
- *public* *processCurrentStatusResponseREST(\$response)*
- *public* *buildCompleteStatusRequestREST(\$completeStatus)*
- *public* *processCompleteStatusResponseREST(\$response)*
- *public* *buildGetSignatureRequestREST(\$getSignature)*
- *public* *processGetSignatureResponseREST(\$response)*
- *public* *getUpdatedShipmentsREST(\$customer, \$dateTimeFrom, \$dateTimeTo)*
- *public* *buildGetUpdatedShipmentsRequestREST(\$customer, \$dateTimeFrom, \$dateTimeTo)*
- *public* *processGetUpdatedShipmentsResponseREST(\$response)*

Constants

VERSION = `\ '2\ '`

LIVE_ENDPOINT = `\ 'https://api\ .postnl\ .nl/shipment/v2/status\ '`

SANDBOX_ENDPOINT = `\ 'https://api\ -sandbox\ .postnl\ .nl/shipment/v2/status\ '`

DOMAIN_NAMESPACE = `\ 'http://postnl\ .nl/\ '`

Methods

public Firstred\PostNL\Service\ShippingStatusService::**currentStatusREST** (*\$currentStatus*)

Gets the current status.

This is a combi-function, supporting the following:

- CurrentStatus (by barcode):
 - Fill the Shipment->Barcode property. Leave the rest empty.
- CurrentStatusByReference:
 - Fill the Shipment->Reference property. Leave the rest empty.
- CurrentStatusByPhase:
 - Fill the Shipment->PhaseCode property, do not pass Barcode or Reference.
Optionally add DateFrom and/or DateTo.
- CurrentStatusByStatus:
 - Fill the Shipment->StatusCode property. Leave the rest empty.

Parameters

- **\$currentStatus** (*Firstred\PostNL\Entity\Request\CurrentStatus | Firstred\PostNL\Entity\Request\CurrentStatusByReference*)

Returns *\Firstred\PostNL\Entity\Response\CurrentStatusResponse*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Firstred\PostNL\Exception\NotFoundException`

Throws `\Firstred\PostNL\Exception\CifDownException`

Throws `\Firstred\PostNL\Exception\CifException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Firstred\PostNL\Exception\NotFoundException`

Throws `\Firstred\PostNL\Exception\CifDownException`

Throws `\Firstred\PostNL\Exception\CifException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Firstred\PostNL\Exception\NotFoundException`

Throws `\Firstred\PostNL\Exception\CifDownException`

Throws `\Firstred\PostNL\Exception\CifException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Firstred\PostNL\Exception\NotFoundException`

Throws `\Firstred\PostNL\Exception\CifDownException`

Throws `\Firstred\PostNL\Exception\CifException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Firstred\PostNL\Exception\NotFoundException`

Throws `\Firstred\PostNL\Exception\CifDownException`

Throws `\Firstred\PostNL\Exception\CifException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Since 1.0.0

public *Firstred\PostNL\Service\ShippingStatusService::currentStatusesREST* (*\$currentStatuses*)

Get current statuses REST.

Parameters

- **\$currentStatuses** (*Firstred\PostNL\Entity\Request\CurrentStatus[]* | *\Firstred\PostNL\Entity\Request\CurrentStatusByReference[]*)

Returns *\Firstred\PostNL\Entity\Response\CurrentStatusResponse[]*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Since 1.2.0

```
public Firstred\PostNL\Service\ShippingStatusService::completeStatusREST ($completeStatus)
```

Gets the complete status.

This is a combi-function, supporting the following:

- CurrentStatus (by barcode):
 - Fill the Shipment->Barcode property. Leave the rest empty.
- CurrentStatusByReference:
 - Fill the Shipment->Reference property. Leave the rest empty.

Parameters

- **\$completeStatus** (*Firstred\PostNL\Entity\Request\CompleteStatus* | *Firstred\PostNL\Entity\Request\CompleteStatusByReference*)

Returns *Firstred\PostNL\Entity\Response\CompleteStatusResponse*

Throws *Firstred\PostNL\Exception\CifDownException*

Throws *Firstred\PostNL\Exception\CifException*

Throws *Firstred\PostNL\Exception\HttpClientException*

Throws *Firstred\PostNL\Exception\NotSupportedException*

Throws *Firstred\PostNL\Exception\InvalidArgumentException*

Throws *Firstred\PostNL\Exception\ResponseException*

Throws *Firstred\PostNL\Exception\NotFoundException*

Throws *Firstred\PostNL\Exception\CifDownException*

Throws *Firstred\PostNL\Exception\CifException*

Throws *Firstred\PostNL\Exception\HttpClientException*

Throws *Firstred\PostNL\Exception\NotSupportedException*

Throws *Firstred\PostNL\Exception\InvalidArgumentException*

Throws *Firstred\PostNL\Exception\ResponseException*

Throws *Firstred\PostNL\Exception\NotFoundException*

Throws *Firstred\PostNL\Exception\CifDownException*

Throws *Firstred\PostNL\Exception\CifException*

Throws *Firstred\PostNL\Exception\HttpClientException*

Throws *Firstred\PostNL\Exception\NotSupportedException*

Throws *Firstred\PostNL\Exception\InvalidArgumentException*

Throws *Firstred\PostNL\Exception\ResponseException*

Throws *Firstred\PostNL\Exception\NotFoundException*

Throws *Firstred\PostNL\Exception\CifDownException*

Throws *Firstred\PostNL\Exception\CifException*

Throws *Firstred\PostNL\Exception\HttpClientException*

Throws *Firstred\PostNL\Exception\NotSupportedException*

Throws *Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Since 1.0.0

public *Firstred\PostNL\Service\ShippingStatusService::completeStatusesREST* (*\$completeStatuses*

Get complete statuses REST.

Parameters

- **\$completeStatuses** (*Firstred\PostNL\Entity\Request\CompleteStatus[]* | *\Firstred\PostNL\Entity\Request\CompleteStatusByReference[]*)

Returns *\Firstred\PostNL\Entity\Response\CompleteStatusResponse[]*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Since 1.2.0

public *Firstred\PostNL\Service\ShippingStatusService::getSignatureREST* (*\$getSignature*)

Gets the signature.

Parameters

- **\$getSignature** (*Firstred\PostNL\Entity\Request\GetSignature*)

Returns *\Firstred\PostNL\Entity\Response\GetSignatureResponseSignature*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

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Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Since 1.0.0

public *Firstred\PostNL\Service\ShippingStatusService::getSignaturesREST* (*\$getSignatures*)

Get multiple signatures.

Parameters

- **\$getSignatures** (*Firstred\PostNL\Entity\Request\GetSignature[]*)

Returns *\Firstred\PostNL\Entity\Response\GetSignatureResponseSignature[]*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Since 1.2.0

public Firstred\PostNL\Service\ShippingStatusService::buildCurrentStatusRequestREST (\$currentStatus)

Build the CurrentStatus request for the REST API.

This function auto-detects and adjusts the following requests:

- CurrentStatus
- CurrentStatusByReference

Parameters

- **\$currentStatus** (*Firstred\PostNL\Entity\Request\CurrentStatus* | *Firstred\PostNL\Entity\Request\CurrentStatusByReference*)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

public Firstred\PostNL\Service\ShippingStatusService::processCurrentStatusResponseREST (\$response)

Process CurrentStatus Response REST.

Parameters

- **\$response** (mixed)

Returns *Firstred\PostNL\Entity\Response\CurrentStatusResponse*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.0.0

```
public Firstred\PostNL\Service\ShippingStatusService::buildCompleteStatusRequestREST($co
```

Build the CompleteStatus request for the REST API.

This function auto-detects and adjusts the following requests:

- CompleteStatus
- CompleteStatusByReference
- CompleteStatusByPhase
- CompleteStatusByStatus

Parameters

- **\$completeStatus** (*Firstred\PostNL\Entity\Request\CompleteStatus*)

Returns \Psr\Http\Message\RequestInterface

Since 1.0.0

```
public Firstred\PostNL\Service\ShippingStatusService::processCompleteStatusResponseREST
```

Process CompleteStatus Response REST.

Parameters

- **\$response** (mixed)

Returns *\Firstred\PostNL\Entity\Response\UpdatedShipmentsResponse*
| null

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.0.0

```
public Firstred\PostNL\Service\ShippingStatusService::buildGetSignatureRequestREST ($getSig
```

Build the GetSignature request for the REST API.

Parameters

- **\$getSignature** (*Firstred\PostNL\Entity\Request\GetSignature*)

Returns \Psr\Http\Message\RequestInterface

Since 1.0.0

```
public Firstred\PostNL\Service\ShippingStatusService::processGetSignatureResponseREST ($r
```

Process GetSignature Response REST.

Parameters

- **\$response** (mixed)

Returns *\Firstred\PostNL\Entity\Response\GetSignatureResponseSignature*
| null

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.0.0

```
public Firstred\PostNL\Service\ShippingStatusService::getUpdatedShipmentsREST ($customer,  
                                         $date-  
                                         Time-  
                                         From=null,  
                                         $date-  
                                         TimeTo=null)
```

Get updated shipments for customer REST.

Parameters

- **\$customer** (*Firstred\PostNL\Entity\Customer*)

- **\$dateTimeFrom** (DateTimeInterface | null)
- **\$dateTimeTo** (DateTimeInterface | null)

Returns *\Firstred\PostNL\Entity\Response\UpdatedShipmentsResponse[]*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

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Throws *\Firstred\PostNL\Exception\CifException*

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Throws *\Psr\Cache\InvalidArgumentException*

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Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Since 1.2.0

public Firstred\PostNL\Service\ShippingStatusService::buildGetUpdatedShipmentsRequestREST

Build get updated shipments request REST.

Parameters

- **\$customer** (*Firstred\PostNL\Entity\Customer*)
- **\$dateTimeFrom** (*DateTimeInterface* | null)
- **\$dateTimeTo** (*DateTimeInterface* | null)

Returns `\Psr\Http\Message\RequestInterface`

Since 1.2.0

public `Firstred\PostNL\Service\ShippingStatusService::processGetUpdatedShipmentsResponse`

Process updated shipments response REST.

Parameters

- **\$response** (`\Psr\Http\Message\ResponseInterface`)

Returns `\Firstred\PostNL\Entity\Response\UpdatedShipmentsResponse[]`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Since 1.2.0

LabellingService

class `Firstred\PostNL\Service\LabellingService`

Class LabellingService.

Parent `Firstred\PostNL\Service\AbstractService`

Implements `Firstred\PostNL\Service\LabellingServiceInterface`

Summary

Methods

- `public generateLabelREST($generateLabel, $confirm)`
- `public generateLabelsREST($generateLabels)`
- `public generateLabelSOAP($generateLabel, $confirm)`
- `public generateLabelsSOAP($generateLabels)`
- `public buildGenerateLabelRequestREST($generateLabel, $confirm)`
- `public processGenerateLabelResponseREST($response)`
- `public buildGenerateLabelRequestSOAP($generateLabel, $confirm)`
- `public processGenerateLabelResponseSOAP($response)`

Constants

```
VERSION = \'2\2\'
LIVE_ENDPOINT = \'https://api\1.postnl\1/shipment/v2\2/label\'
SANDBOX_ENDPOINT = \'https://api\1-sandbox\1.postnl\1/shipment/v2\2/label\'
SOAP_ACTION = \'http://postnl\1/cif/services/LabelingWebService/ILabelingWebService/\'
SOAP_ACTION_NO_CONFIRM = \'http://postnl\1/cif/services/LabelingWebService/ILabelingWebService/\'
SERVICES_NAMESPACE = \'http://postnl\1/cif/services/LabelingWebService/\'
DOMAIN_NAMESPACE = \'http://postnl\1/cif/domain/LabelingWebService/\'
```

Properties

```
public property Firstred\PostNL\Service\LabelingService::$namespaces
```

Namespaces uses for the SOAP version of this service.

Type array

Methods

```
public Firstred\PostNL\Service\LabelingService::generateLabelREST($generateLabel,
                                                                    $confirm=true)
```

Generate a single barcode via REST.

Parameters

- `$generateLabel` (`Firstred\PostNL\Entity\Request\GenerateLabel`)
- `$confirm` (bool)

Returns `Firstred\PostNL\Entity\Response\GenerateLabelResponse`

Throws `Firstred\PostNL\Exception\CifDownException`

Throws `Firstred\PostNL\Exception\CifException`

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Since 1.0.0

public Firstred\PostNL\Service\LabellingService::**generateLabelsREST** (*\$generateLabels*)

Generate multiple labels at once.

Parameters

- **\$generateLabels** (array) [*'uuid'* => [GenerateBarcode, confirm], ...]

Returns array

Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Since 1.0.0

```

public Firstred\PostNL\Service\LabellingService::generateLabelSOAP ($generateLabel,
                                                                    $confirm=
                                                                    true)
  
```

Generate a single label via SOAP.

Parameters

- **\$generateLabel** (*Firstred\PostNL\Entity\Request\GenerateLabel*)
- **\$confirm** (bool)

Returns *\Firstred\PostNL\Entity\Response\GenerateLabelResponse*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Since 1.0.0

public Firstred\PostNL\Service\LabellingService::**generateLabelsSOAP** (*\$generateLabels*)

Generate multiple labels at once via SOAP.

Parameters

- **\$generateLabels** (array) ['uuid' => [GenerateBarcode, confirm], ...]

Returns array

Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Since 1.0.0

```
public Firstred\PostNL\Service\LabellingService::buildGenerateLabelRequestREST ($generateLabel, $confirm=true)
```

Build the GenerateLabel request for the REST API.

Parameters

- **\$generateLabel** (*Firstred\PostNL\Entity\Request\GenerateLabel*)
- **\$confirm** (bool)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

```
public Firstred\PostNL\Service\LabellingService::processGenerateLabelResponseREST ($response)
```

Process the GenerateLabel REST Response.

Parameters

- **\$response** (*\Psr\Http\Message\ResponseInterface*)

Returns *\Firstred\PostNL\Entity\Response\GenerateLabelResponse* | null

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.0.0

```
public Firstred\PostNL\Service\LabellingService::buildGenerateLabelRequestSOAP ($generateLabel,  
                                                                    $confirm  
                                                                    $firm=true)
```

Build the GenerateLabel request for the SOAP API.

Parameters

- **\$generateLabel** (*Firstred\PostNL\Entity\Request\GenerateLabel*)
- **\$confirm** (bool)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

```
public Firstred\PostNL\Service\LabellingService::processGenerateLabelResponseSOAP ($response)
```

Parameters

- **\$response** (*\Psr\Http\Message\ResponseInterface*)

Returns *Firstred\PostNL\Entity\Response\GenerateLabelResponse*

Throws *Firstred\PostNL\Exception\CifDownException*

Throws *Firstred\PostNL\Exception\CifException*

Throws *Firstred\PostNL\Exception\ResponseException*

Throws *Firstred\PostNL\Exception\HttpClientException*

Throws *Firstred\PostNL\Exception\CifDownException*

Throws *Firstred\PostNL\Exception\CifException*

Throws *Firstred\PostNL\Exception\ResponseException*

Throws *Firstred\PostNL\Exception\HttpClientException*

Throws *Firstred\PostNL\Exception\CifDownException*

Throws *Firstred\PostNL\Exception\CifException*

Throws *Firstred\PostNL\Exception\ResponseException*

Throws *Firstred\PostNL\Exception\HttpClientException*

Throws *Firstred\PostNL\Exception\CifDownException*

Throws *Firstred\PostNL\Exception\CifException*

Throws *Firstred\PostNL\Exception\ResponseException*

Throws *Firstred\PostNL\Exception\HttpClientException*

Since 1.0.0

ConfirmingService

```
class Firstred\PostNL\Service\ConfirmingService
```

Class ConfirmingService.

Parent *Firstred\PostNL\Service\AbstractService*

Implements *Firstred\PostNL\Service\ConfirmingServiceInterface*

Summary

Methods

- `public confirmShipmentREST($confirming)`
- `public confirmShipmentsREST($confirms)`
- `public confirmShipmentSOAP($confirming)`
- `public confirmShipmentsSOAP($confirmings)`
- `public buildConfirmRequestREST($confirming)`
- `public processConfirmResponseREST($response)`
- `public buildConfirmRequestSOAP($confirming)`
- `public processConfirmResponseSOAP($response)`

Constants

```
VERSION = \'2\.0\'
LIVE_ENDPOINT = \'https://api\.postnl\.nl/shipment/v2/confirm\'
SANDBOX_ENDPOINT = \'https://api\-\sandbox\.postnl\.nl/shipment/v2/confirm\'
SOAP_ACTION = \'http://postnl\.nl/cif/services/ConfirmingWebService/IConfirmingWebService\'
ENVELOPE_NAMESPACE = \'http://schemas\.xmlsoap\.org/soap/envelope/\'
SERVICES_NAMESPACE = \'http://postnl\.nl/cif/services/ConfirmingWebService/\'
DOMAIN_NAMESPACE = \'http://postnl\.nl/cif/domain/ConfirmingWebService/\'
```

Properties

```
public property Firstred\PostNL\Service\ConfirmingService::$namespaces
```

Namespaces uses for the SOAP version of this service.

Type array

Methods

```
public Firstred\PostNL\Service\ConfirmingService::confirmShipmentREST($confirming)
```

Confirm a single shipment via REST.

Parameters

- **\$confirming** (*Firstred\PostNL\Entity\Request\Confirming*)

Returns *\Firstred\PostNL\Entity\Response\ConfirmingResponseShipment*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Since 1.0.0

public Firstred\PostNL\Service\ConfirmingService::confirmShipmentsREST(*\$confirms*)

Confirm multiple shipments.

Parameters

- **\$confirms** (*Firstred\PostNL\Entity\Request\Confirming[]*) ['uuid' => Confirming, ...]

Returns *\Firstred\PostNL\Entity\Response\ConfirmingResponseShipment[]*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Since 1.0.0

public Firstred\PostNL\Service\ConfirmingService::confirmShipmentSOAP (\$confirming)

Generate a single label via SOAP.

Parameters

- **\$confirming** (*Firstred\PostNL\Entity\Request\Confirming*)

Returns *\Firstred\PostNL\Entity\Response\ConfirmingResponseShipment*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Since 1.0.0

public Firstred\PostNL\Service\ConfirmingService::confirmShipmentsSOAP (\$confirmings)

Generate multiple labels at once.

Parameters

- **\$confirmings** (array) ['uuid' => Confirming, ...]

Returns *\Firstred\PostNL\Entity\Response\ConfirmingResponseShipment[]*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Since 1.0.0

public *Firstred\PostNL\Service\ConfirmingService::buildConfirmRequestREST* (*\$confirming*)

Parameters

- **\$confirming** (*Firstred\PostNL\Entity\Request\Confirming*)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

public *Firstred\PostNL\Service\ConfirmingService::processConfirmResponseREST* (*\$response*)

Proces Confirm REST Response.

Parameters

- **\$response** (mixed)

Returns *\Firstred\PostNL\Entity\Response\ConfirmingResponseShipment[]*
| null

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Since 1.0.0

public *Firstred\PostNL\Service\ConfirmingService::buildConfirmRequestSOAP* (*\$confirming*)

Parameters

- **\$confirming** (*Firstred\PostNL\Entity\Request\Confirming*)

Returns *\Psr\Http\Message\RequestInterface*

Since 1.0.0

public *Firstred\PostNL\Service\ConfirmingService::processConfirmResponseSOAP* (*\$response*)

Process Confirm SOAP response.

Parameters

- **\$response** (Psr\Http\Message\ResponseInterface)

Returns `\Firstred\PostNL\Entity\Response\ConfirmingResponseShipment`

Throws `\Firstred\PostNL\Exception\CifDownException`

Throws `\Firstred\PostNL\Exception\CifException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\CifDownException`

Throws `\Firstred\PostNL\Exception\CifException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\CifDownException`

Throws `\Firstred\PostNL\Exception\CifException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\CifDownException`

Throws `\Firstred\PostNL\Exception\CifException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Since 1.0.0

Util

`\Firstred\PostNL\Util`

Interfaces

XmlSerializable

interface `Firstred\PostNL\Util\XmlSerializable`

Objects implementing XmlSerializable can control how they are represented in Xml.

Summary

Methods

- `public xmlSerialize($writer)`

Methods

public Firstred\PostNL\Util\XmlSerializable::**xmlSerialize** (\$writer)

The xmlSerialize method is called during xml writing.

Use the \$writer argument to write its own xml serialization.

An important note: do `_not_` create a parent element. Any element implementing XmlSerializable should only ever write what's considered its 'inner xml'.

The parent of the current element is responsible for writing a containing element.

This allows serializers to be re-used for different element names.

If you are opening new elements, you must also close them again.

Parameters

- **\$writer** (Sabre\Xml\Writer)

Returns void

Classes

PendingPromise

class Firstred\PostNL\Util**PendingPromise**

Promises/A+ implementation that avoids recursion when possible.

Implements Http\Promise\Promise

Summary

Methods

- *public* `__construct($waitFn, $cancelFn)`
- *public* `then($onFulfilled, $onRejected)`
- *public* `otherwise($onRejected)`
- *public* `wait($unwrap)`
- *public* `getState()`
- *public* `cancel()`
- *public* `resolve($value)`
- *public* `reject($reason)`

Methods

public Firstred\PostNL\Util\PendingPromise::__construct (*\$waitFn=null*, *\$cancelFn=null*)

Parameters

- **\$waitFn** (callable) fn that when invoked resolves the promise
- **\$cancelFn** (callable) fn that when invoked cancels the promise

public Firstred\PostNL\Util\PendingPromise::then (*\$onFulfilled=null*, *\$onRejected=null*)

Parameters

- **\$onFulfilled** (callable | null)
- **\$onRejected** (callable | null)

Returns *\Firstred\PostNL\Util\PendingPromise* | *\Http\Promise\Promise*

public Firstred\PostNL\Util\PendingPromise::otherwise (*\$onRejected*)

Parameters

- **\$onRejected** (callable)

Returns *\Firstred\PostNL\Util\PendingPromise* | *\Http\Promise\Promise*

public Firstred\PostNL\Util\PendingPromise::wait (*\$unwrap=true*)

Parameters

- **\$unwrap** (bool)

Returns mixed | void

Throws *\Exception*

public Firstred\PostNL\Util\PendingPromise::getState ()

Returns string

public Firstred\PostNL\Util\PendingPromise::cancel ()

Returns void

public Firstred\PostNL\Util\PendingPromise::resolve (*\$value*)

Parameters

- **\$value** (mixed)

public Firstred\PostNL\Util\PendingPromise::reject (*\$reason*)

Parameters

- **\$reason** (mixed)

UUID

class Firstred\PostNL\Util\UUID

Class UUID.

Summary

Methods

- *public static generate()*

Methods

public static Firstred\PostNL\Util\UUID::**generate**()

Generate a v4 UUID.

Returns string

PromiseTool

class Firstred\PostNL\Util\PromiseTool

Class PromiseTool.

Summary

Methods

- *public static queue(\$assign)*
- *public static task(\$task)*
- *public static promiseFor(\$value)*
- *public static rejectionFor(\$reason)*
- *public static exceptionFor(\$reason)*
- *public static iterFor(\$value)*
- *public static inspect(\$promise)*
- *public static inspectAll(\$promises)*
- *public static unwrap(\$promises)*
- *public static all(\$promises, \$recursive)*
- *public static some(\$count, \$promises)*
- *public static any(\$promises)*
- *public static settle(\$promises)*
- *public static each(\$iterable, \$onFulfilled, \$onRejected)*

- `public static eachLimit($iterable, $concurrency, $onFulfilled, $onRejected)`
- `public static eachLimitAll($iterable, $concurrency, $onFulfilled)`
- `public static isFulfilled($promise)`
- `public static isRejected($promise)`
- `public static isSettled($promise)`

Methods

public static Firstred\PostNL\Util\PromiseTool::**queue** (*\$assign=null*)

Get the global task queue used for promise resolution.

This task queue MUST be run in an event loop in order for promises to be settled asynchronously. It will be automatically run when synchronously waiting on a promise.

```
<code>
while ($eventLoop->isRunning()) {
    queue()->run();
}
</code>
```

Parameters

- **\$assign** (*Firstred\PostNL\Util\TaskQueue*) optionally specify a new queue instance

Returns *\Firstred\PostNL\Util\TaskQueue*

public static Firstred\PostNL\Util\PromiseTool::**task** (*\$task*)

Adds a function to run in the task queue when it is next `run()` and returns a promise that is fulfilled or rejected with the result.

Parameters

- **\$task** (callable) task function to run

Returns *\Http\Promise\Promise*

public static Firstred\PostNL\Util\PromiseTool::**promiseFor** (*\$value*)

Creates a promise for a value if the value is not a promise.

Parameters

- **\$value** (mixed) promise or value

Returns *\Http\Promise\Promise*

public static Firstred\PostNL\Util\PromiseTool::**rejectionFor** (*\$reason*)

Creates a rejected promise for a reason if the reason is not a promise. If the provided reason is a promise, then it is returned as-is.

Parameters

- **\$reason** (mixed) promise or reason

Returns `\Http\Promise\Promise`

```
public static Firstred\PostNL\Util\PromiseTool::exceptionFor ($reason)
```

Create an exception for a rejected promise value.

Parameters

- **\$reason** (mixed)

Returns `\Firstred\PostNL\Util\Throwable`

```
public static Firstred\PostNL\Util\PromiseTool::iterFor ($value)
```

Returns an iterator for the given value.

Parameters

- **\$value** (mixed)

Returns `\Iterator`

```
public static Firstred\PostNL\Util\PromiseTool::inspect ($promise)
```

Synchronously waits on a promise to resolve and returns an inspection state array.

Returns a state associative array containing a “state” key mapping to a valid promise state. If the state of the promise is “fulfilled”, the array will contain a “value” key mapping to the fulfilled value of the promise. If the promise is rejected, the array will contain a “reason” key mapping to the rejection reason of the promise.

Parameters

- **\$promise** (`\Http\Promise\Promise`) promise or value

Returns array

Throws `\Exception`

```
public static Firstred\PostNL\Util\PromiseTool::inspectAll ($promises)
```

Waits on all of the provided promises, but does not unwrap rejected promises as thrown exception.

Returns an array of inspection state arrays.

Parameters

- **\$promises** (`Http\Promise\Promise[]`) traversable of promises to wait upon

Returns array

Throws `\Exception`

Throws `\Exception`

Throws `\Exception`

Throws `\Exception`

public static `Firstred\PostNL\Util\PromiseTool::unwrap($promises)`

Waits on all of the provided promises and returns the fulfilled values.

Returns an array that contains the value of each promise (in the same order the promises were provided). An exception is thrown if any of the promises are rejected.

Parameters

- **\$promises** (mixed) iterable of Promise objects to wait on

Returns array

Throws `\Exception` on error

Throws `Firstred\PostNL\Util\Throwable` on error in PHP >=7

Throws `\Exception` on error

Throws `Firstred\PostNL\Util\Throwable` on error in PHP >=7

public static `Firstred\PostNL\Util\PromiseTool::all($promises, $recursive=false)`

Given an array of promises, return a promise that is fulfilled when all the items in the array are fulfilled.

The promise's fulfillment value is an array with fulfillment values at respective positions to the original array. If any promise in the array rejects, the returned promise is rejected with the rejection reason.

Parameters

- **\$promises** (mixed) promises or values
- **\$recursive** (bool) - If true, resolves new promises that might have been added to the stack during its own resolution

Returns `Http\Promise\Promise`

public static `Firstred\PostNL\Util\PromiseTool::some($count, $promises)`

Initiate a competitive race between multiple promises or values (values will become immediately fulfilled promises).

When count amount of promises have been fulfilled, the returned promise is

fulfilled with an array that contains the fulfillment values of the winners in order of resolution.

Parameters

- **\$count** (int) total number of promises
- **\$promises** (mixed) promises or values

Returns `\Http\Promise\Promise`

```
public static Firstred\PostNL\Util\PromiseTool::any ($promises)
```

Like `some()`, with 1 as count. However, if the promise fulfills, the fulfillment value is not an array of 1 but the value directly.

Parameters

- **\$promises** (mixed) promises or values

Returns `\Http\Promise\Promise`

```
public static Firstred\PostNL\Util\PromiseTool::settle ($promises)
```

Returns a promise that is fulfilled when all of the provided promises have been fulfilled or rejected.

The returned promise is fulfilled with an array of inspection state arrays.

Parameters

- **\$promises** (mixed) promises or values

Returns `\Http\Promise\Promise`

```
public static Firstred\PostNL\Util\PromiseTool::each ($iterable,           $onFul-  
                                                    filled=null,      $onRe-  
                                                    rejected=null)
```

Given an iterator that yields promises or values, returns a promise that is fulfilled with a null value when the iterator has been consumed or the aggregate promise has been fulfilled or rejected.

`$onFulfilled` is a function that accepts the fulfilled value, iterator index, and the aggregate promise. The callback can invoke any necessary side effects and choose to resolve or reject the aggregate promise if needed.

`$onRejected` is a function that accepts the rejection reason, iterator index, and the aggregate promise. The callback can invoke any necessary side effects and choose to resolve or reject the aggregate promise if needed.

Parameters

- **\$iterable** (mixed) iterator or array to iterate over
- **\$onFulfilled** (callable)

- **\$onRejected** (callable)

Returns `\Http\Promise\Promise`

```
public static Firstred\PostNL\Util\PromiseTool::eachLimit ($iterable,    $con-  
currency,    $on-  
Fulfilled=null,  
$onRejected=null)
```

Like each, but only allows a certain number of outstanding promises at any given time.

\$concurrency may be an integer or a function that accepts the number of pending promises and returns a numeric concurrency limit value to allow for dynamic a concurrency size.

Parameters

- **\$iterable** (mixed)
- **\$concurrency** (int | callable)
- **\$onFulfilled** (callable)
- **\$onRejected** (callable)

Returns `\Http\Promise\Promise`

```
public static Firstred\PostNL\Util\PromiseTool::eachLimitAll ($iterable,  
$concurrency,  
$onFul-  
filled=null)
```

Like each_limit, but ensures that no promise in the given \$iterable argument is rejected. If any promise is rejected, then the aggregate promise is rejected with the encountered rejection.

Parameters

- **\$iterable** (mixed)
- **\$concurrency** (int | callable)
- **\$onFulfilled** (callable)

Returns `\Http\Promise\Promise`

```
public static Firstred\PostNL\Util\PromiseTool::isFulfilled ($promise)
```

Returns true if a promise is fulfilled.

Parameters

- **\$promise** (`\Http\Promise\Promise`)

Returns `bool`

```
public static Firstred\PostNL\Util\PromiseTool::isRejected ($promise)
```

Returns true if a promise is rejected.

Parameters

- **\$promise** (`Http\Promise\Promise`)

Returns `bool`

```
public static Firstred\PostNL\Util\PromiseTool::isSettled($promise)
```

Returns true if a promise is fulfilled or rejected.

Parameters

- **\$promise** (`Http\Promise\Promise`)

Returns `bool`

TaskQueue

```
class Firstred\PostNL\Util\TaskQueue
```

A task queue that executes tasks in a FIFO order.

This task queue class is used to settle promises asynchronously and maintains a constant stack size. You can use the task queue asynchronously by calling the `run()` function of the global task queue in an event loop.

```
queue()->run();
```

Summary

Methods

- `public __construct($withShutdown)`
- `public isEmpty()`
- `public add($task)`
- `public run()`
- `public disableShutdown()`

Methods

```
public Firstred\PostNL\Util\TaskQueue::__construct($withShutdown=true)
```

TaskQueue constructor.

Parameters

- **\$withShutdown** (`bool`)

```
public Firstred\PostNL\Util\TaskQueue::isEmpty()
```

Returns `bool`

```
public Firstred\PostNL\Util\TaskQueue::add($task)
```

Parameters

- **\$task** (callable)

```
public Firstred\PostNL\Util\TaskQueue::run()
```

Returns void

```
public Firstred\PostNL\Util\TaskQueue::disableShutdown()
```

The task queue will be run and exhausted by default when the process exits IFF the exit is not the result of a PHP E_ERROR error.

You can disable running the automatic shutdown of the queue by calling this function. If you disable the task queue shutdown process, then you **MUST** either run the task queue (as a result of running your event loop or manually using the run() method) or wait on each outstanding promise.

Note: This shutdown will occur before any destructors are triggered.

RFPdi

```
class Firstred\PostNL\Util\RFPdi
```

Class RFPdi.

Parent setasign\Fpdi\Fpdi

Summary

Methods

- *public rotate(\$angle, \$x, \$y)*
- *public rotateClockWise()*
- *public rotateCounterClockWise()*
- *public _endpage()*

Properties

```
public static property Firstred\PostNL\Util\RFPdi::$angle
```

Methods

```
public Firstred\PostNL\Util\RFPdi::rotate($angle, $x=\-1, $y=\-1)
public Firstred\PostNL\Util\RFPdi::rotateClockWise()
public Firstred\PostNL\Util\RFPdi::rotateCounterClockWise()
public Firstred\PostNL\Util\RFPdi::__endpage()
```

EachPromise

```
class Firstred\PostNL\Util\EachPromise
```

Represents a promise that iterates over many promises and invokes side-effect functions in the process.

Summary

Methods

- `public __construct($iterable, $config)`
- `public promise()`

Constants

```
PENDING = \ 'pending\ '
FULFILLED = \ 'fulfilled\ '
REJECTED = \ 'rejected\ '
```

Methods

```
public Firstred\PostNL\Util\EachPromise::__construct ( $iterable, $config=\[\])
```

Configuration hash can include the following key value pairs:.

- fulfilled: (callable) Invoked when a promise fulfills. The function is invoked with three arguments: the fulfillment value, the index position from the iterable list of the promise, and the aggregate promise that manages all of the promises. The aggregate promise may be resolved from within the callback to short-circuit the promise.
- rejected: (callable) Invoked when a promise is rejected. The function is invoked with three arguments: the rejection reason, the index position from the iterable list of the promise, and the aggregate promise that manages all of the promises. The aggregate promise may be resolved from within the callback to short-circuit the promise.
- concurrency: (integer) Pass this configuration option to limit the allowed number of outstanding concurrently executing promises,

creating a capped pool of promises. There is no limit by default.

Parameters

- **\$iterable** (mixed) promises or values to iterate
- **\$config** (array) Configuration options

```
public Firstred\PostNL\Util\EachPromise::promise()
```

Returns \Http\Promise\Promise

Util

```
class Firstred\PostNL\Util\Util
```

Class Util.

Summary

Methods

- *public static urlencode(\$arr, \$prefix)*
- *public static getPdfSizeAndOrientation(\$pdf)*
- *public static getDeliveryDate(\$deliveryDate, \$mondayDelivery, \$sundayDelivery)*
- *public static getShippingDate(\$deliveryDate, \$days)*
- *public static getShippingDaysRemaining(\$shippingDate, \$preferredDeliveryDate)*
- *protected static getHolidaysForYear(\$year)*

Constants

```
ERROR_MARGIN = 2
```

Methods

```
public static Firstred\PostNL\Util\Util::urlencode($arr, $prefix=null)
```

Parameters

- **\$arr** (array) a map of param keys to values
- **\$prefix** (string | null)

Returns string a querystring, essentially

```
public static Firstred\PostNL\Util\Util::getPdfSizeAndOrientation($pdf)
```

Parameters

- **\$pdf** (string) Raw PDF string

Returns array | false | string Returns an array with the dimensions or ISO size and orientation
The orientation is in FPDF format, so L for Landscape and P for Portrait Sizes are in mm

```
public static Firstred\PostNL\Util\Util::getDeliveryDate ($deliveryDate,  
                                                         $mondayDeliv-  
                                                         ery=false, $sunday-  
                                                         Delivery=false)
```

Offline delivery date calculation.

Parameters

- **\$deliveryDate** (string) Delivery date in any format accepted by DateTime
- **\$mondayDelivery** (bool) Sunday sorting/Monday delivery enabled
- **\$sundayDelivery** (bool) Sunday delivery enabled

Returns string (format: `Y-m-d H:i:s`)

Throws `\Exception`

```
public static Firstred\PostNL\Util\Util::getShippingDate (    $deliveryDate,  
                                                         $days=[0 => false,  
                                                         1 => true, 2 =>  
                                                         true, 3 => true, 4  
                                                         => true, 5 => true,  
                                                         6 => true])
```

Offline shipping date calculation.

Parameters

- **\$deliveryDate** (string)
- **\$days** (array)

Returns string

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

```
public static Firstred\PostNL\Util\Util::getShippingDaysRemaining ($shippingDate,  
                                                                    $pre-  
                                                                    ferred-  
                                                                    Deliv-  
                                                                    ery-  
                                                                    Date)
```

Calculates amount of days remaining

i.e. preferred delivery date the day tomorrow => today = 0

i.e. preferred delivery date the day after tomorrow => today + tomorrow = 1

i.e. preferred delivery date the day after tomorrow, but one holiday => today + holiday = 0.

0 means: should ship today

< 0 means: should've shipped in the past

anything higher means: you've got some more time

Parameters

- **\$shippingDate** (string) Shipping date (format: *Y-m-d H:i:s*)
- **\$preferredDeliveryDate** (string) Customer preference

Returns int

Throws `\Exception`


```
protected static Firstred\PostNL\Util\Util::getHolidaysForYear ($year)
```

Get an array with all Dutch holidays for the given year.

Parameters

- **\$year** (string)

Returns array Credits to @tvlooy (<https://gist.github.com/tvlooy/1894247>)

Throws \Exception

Throws \Exception

Throws \Exception

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DummyLogger

class Firstred\PostNL\Util\DummyLogger

Class DummyLogger.

Implements Psr\Log\LoggerInterface

Summary

Methods

- *public emergency(\$message, \$context)*
- *public alert(\$message, \$context)*
- *public critical(\$message, \$context)*
- *public error(\$message, \$context)*
- *public warning(\$message, \$context)*
- *public notice(\$message, \$context)*
- *public info(\$message, \$context)*
- *public debug(\$message, \$context)*
- *public log(\$level, \$message, \$context)*

Methods

public Firstred\PostNL\Util\DummyLogger::**emergency** (\$message, \$context=[])

Parameters

- **\$message** (string)
- **\$context** (array)

public Firstred\PostNL\Util\DummyLogger::**alert** (\$message, \$context=[])

Parameters

- **\$message** (string)
- **\$context** (array)

```
public Firstred\PostNL\Util\DummyLogger::critical ( $message, $context=\[])
```

Parameters

- **\$message** (string)
- **\$context** (array)

```
public Firstred\PostNL\Util\DummyLogger::error ( $message, $context=\[])
```

Parameters

- **\$message** (string)
- **\$context** (array)

```
public Firstred\PostNL\Util\DummyLogger::warning ( $message, $context=\[])
```

Parameters

- **\$message** (string)
- **\$context** (array)

```
public Firstred\PostNL\Util\DummyLogger::notice ( $message, $context=\[])
```

Parameters

- **\$message** (string)
- **\$context** (array)

```
public Firstred\PostNL\Util\DummyLogger::info ( $message, $context=\[])
```

Parameters

- **\$message** (string)
- **\$context** (array)

```
public Firstred\PostNL\Util\DummyLogger::debug ( $message, $context=\[])
```

Parameters

- **\$message** (string)
- **\$context** (array)

```
public Firstred\PostNL\Util\DummyLogger::log ( $level, $message, $context=\[])
```

Parameters

- **\$level** (mixed)
- **\$message** (string)
- **\$context** (array)

Message

```
class Firstred\PostNL\Util\Message
```

Class Message.

Methods

public Firstred\PostNL\Util\FlexibleEntityTrait::__call(*\$name*, *\$value*)

Add additional properties.

Parameters

- **\$name** (string)
- **\$value** (mixed)

Returns object | null

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

1.13.2 Classes

PostNL

class Firstred\PostNL\PostNL

Class PostNL.

Implements Psr\Log\LoggerAwareInterface

Summary

Methods

- *public* __construct(*\$customer*, *\$apiKey*, *\$sandbox*, *\$mode*)
- *public* setToken(*\$apiKey*)
- *public* getRestApiKey()
- *public* getToken()
- *public* getCustomer()
- *public* setCustomer(*\$customer*)
- *public* getSandbox()
- *public* setSandbox(*\$sandbox*)
- *public* getMode()
- *public* setMode(*\$mode*)
- *public* getHttpClient()
- *public* setHttpClient(*\$client*)
- *public* getLogger()
- *public* setLogger(*\$logger*)
- *public* resetLogger()
- *public* getRequestFactory()
- *public* setRequestFactory(*\$requestFactory*)
- *public* getResponseFactory()

- `public setResponseFactory($responseFactory)`
- `public getStreamFactory()`
- `public setStreamFactory($streamFactory)`
- `public getBarcodeService()`
- `public setBarcodeService($service)`
- `public getLabellingService()`
- `public setLabellingService($service)`
- `public getConfirmingService()`
- `public setConfirmingService($service)`
- `public getShippingStatusService()`
- `public setShippingStatusService($service)`
- `public getDeliveryDateService()`
- `public setDeliveryDateService($service)`
- `public getTimeframeService()`
- `public setTimeframeService($service)`
- `public getLocationService()`
- `public setLocationService($service)`
- `public getShippingService()`
- `public setShippingService($service)`
- `public generateBarcode($type, $range, $serie, $seps)`
- `public generateBarcodeByCountryCode($iso)`
- `public generateBarcodesByCountryCodes($isos)`
- `public sendShipment($shipment, $printertype, $confirm)`
- `public sendShipments($shipments, $printertype, $confirm, $merge, $format, $positions, $a6Orientation)`
- `public generateLabel($shipment, $printertype, $confirm)`
- `public generateLabels($shipments, $printertype, $confirm, $merge, $format, $positions, $a6Orientation)`
- `public confirmShipment($shipment)`
- `public confirmShipments($shipments)`
- `public getCurrentStatus($currentStatus)`
- `public getShippingStatusByBarcode($barcode, $complete)`
- `public getShippingStatusesByBarcodes($barcodes, $complete)`
- `public getShippingStatusByReference($reference, $complete)`
- `public getShippingStatusesByReference($references, $complete)`
- `public getCompleteStatus($completeStatus)`
- `public getUpdatedShipments($dateTimeFrom, $dateTimeTo)`
- `public getSignature($signature)`
- `public getSignatureByBarcode($barcode)`
- `public getSignaturesByBarcodes($barcodes)`

- `public getDeliveryDate($getDeliveryDate)`
- `public getSentDate($getSentDate)`
- `public getTimeframes($getTimeframes)`
- `public getNearestLocations($getNearestLocations)`
- `public getTimeframesAndNearestLocations($getTimeframes, $getNearestLocations, $getDeliveryDate)`
- `public getLocationsInArea($getLocationsInArea)`
- `public getLocation($getLocation)`
- `public findBarcodeSerie($type, $range, $seps)`

Constants

MODE_REST = 1

MODE_SOAP = 2

MODE_LEGACY = 2

Properties

public property Firstred\PostNL\PostNL::\$**threeSCountries**

3S (or EU Pack Special) countries.

Type array

public property Firstred\PostNL\PostNL::\$**a6positions**

A6 positions
(index = amount of a6 left on the page).

Type array

public static property Firstred\PostNL\PostNL::\$**verifySslCerts**

Verify SSL certificate of the PostNL REST API.

Type bool

Deprecated

protected static property Firstred\PostNL\PostNL::\$**apiKey**

The PostNL REST API key or SOAP username/password to be used for requests.

In case of REST the API key is the ``Password`` property of the ``UsernameToken``
In case of SOAP this has to be a ``UsernameToken`` object, with the following requirements:

- Do not pass a username (``null``)
And pass the plaintext password.

Type string

protected static property Firstred\PostNL\PostNL::\$customer

The PostNL Customer to be used for requests.

Type *\Firstred\PostNL\Entity\Customer*

protected static property Firstred\PostNL\PostNL::\$sandbox

Sandbox mode.

Type bool

protected static property Firstred\PostNL\PostNL::\$httpClient

Type *\Firstred\PostNL\HttpClient\ClientInterface*

protected static property Firstred\PostNL\PostNL::\$logger

Type *\Psr\Log\LoggerInterface*

protected static property Firstred\PostNL\PostNL::\$requestFactory

Type *\Firstred\PostNL\Factory\RequestFactoryInterface*

protected static property Firstred\PostNL\PostNL::\$responseFactory

Type *\Firstred\PostNL\Factory\ResponseFactoryInterface*

protected static property Firstred\PostNL\PostNL::\$streamFactory

Type *\Firstred\PostNL\Factory\StreamFactoryInterface*

protected static property Firstred\PostNL\PostNL::\$mode

This is the current mode.

Type int

protected static property Firstred\PostNL\PostNL::\$barcodeService

Type *\Firstred\PostNL\Service\BarcodeServiceInterface*

protected static property Firstred\PostNL\PostNL::\$labellingService

Type *\Firstred\PostNL\Service\LabellingServiceInterface*

protected static property Firstred\PostNL\PostNL::\$confirmingService

Type *\Firstred\PostNL\Service\ConfirmingServiceInterface*

protected static property Firstred\PostNL\PostNL::\$shippingStatusService

Type *\Firstred\PostNL\Service\ShippingStatusServiceInterface*

protected static property Firstred\PostNL\PostNL::\$deliveryDateService

Type *\Firstred\PostNL\Service\DeliveryDateServiceInterface*

protected static property Firstred\PostNL\PostNL::\$timeframeService

Type *\Firstred\PostNL\Service\TimeframeServiceInterface*

protected static property Firstred\PostNL\PostNL::\$locationService

Type *\Firstred\PostNL\Service\LocationServiceInterface*

protected static property Firstred\PostNL\PostNL::\$shippingService

Type `\Firstred\PostNL\Service\ShippingServiceInterface`

Methods

```
public Firstred\PostNL\PostNL::__construct ($customer,      $apiKey,      $sandbox,
                                           $mode=self::MODE_REST)
```

PostNL constructor.

Parameters

- **\$customer** (`Firstred\PostNL\Entity\Customer`) Customer object.
- **\$apiKey** (`Firstred\PostNL\Entity\SOAP\UsernameToken` | string) API key or UsernameToken object.
- **\$sandbox** (bool) Whether the testing environment should be used.
- **\$mode** (int) Set the preferred connection strategy.

Valid options are: - `MODE_REST`: New REST API - `MODE_SOAP`: New SOAP API - `MODE_LEGACY`: Not supported anymore, converts to `MODE_SOAP`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

```
public Firstred\PostNL\PostNL::setToken ($apiKey)
```

Set the token.

Parameters

- **\$apiKey** (string | `\Firstred\PostNL\Entity\SOAP\UsernameToken`)

Returns `\Firstred\PostNL\PostNL`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Since 1.0.0

```
public Firstred\PostNL\PostNL::getRestApiKey ()
```

Get REST API Key.

Returns bool | string

Since 1.0.0

```
public Firstred\PostNL\PostNL::getToken ()
```

Get UsernameToken object (for SOAP).

Returns bool | `\Firstred\PostNL\Entity\SOAP\UsernameToken`

Since 1.0.0

```
public Firstred\PostNL\PostNL::getCustomer ()
```

Get PostNL Customer.

Returns `\Firstred\PostNL\Entity\Customer`

Since 1.0.0

```
public Firstred\PostNL\PostNL::setCustomer ($customer)
```

Set PostNL Customer.

Parameters

- **\$customer** (*Firstred\PostNL\Entity\Customer*)

Returns *\Firstred\PostNL\PostNL*

Since 1.0.0

```
public Firstred\PostNL\PostNL::getSandbox ()
```

Get sandbox mode.

Returns bool

Since 1.0.0

```
public Firstred\PostNL\PostNL::setSandbox ($sandbox)
```

Set sandbox mode.

Parameters

- **\$sandbox** (bool)

Returns *\Firstred\PostNL\PostNL*

Since 1.0.0

```
public Firstred\PostNL\PostNL::getMode ()
```

Get the current mode.

Returns int

Since 1.0.0

```
public Firstred\PostNL\PostNL::setMode ($mode)
```

Set current mode.

Parameters

- **\$mode** (int)

Returns *\Firstred\PostNL\PostNL*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Since 1.0.0

```
public Firstred\PostNL\PostNL::getHttpClient ()
```

HttpClient.

Automatically load Guzzle when available

Returns `\Firstred\PostNL\HttpClient\ClientInterface`

Since 1.0.0

```
public Firstred\PostNL\PostNL::setHttpClient ($client)
```

Set the HttpClient.

Parameters

- **\$client** (`\Firstred\PostNL\HttpClient\ClientInterface`)

Since 1.0.0

```
public Firstred\PostNL\PostNL::getLogger ()
```

Get the logger.

Returns `\Psr\Log\LoggerInterface`

Since 1.0.0

```
public Firstred\PostNL\PostNL::setLogger ($logger)
```

Set the logger.

Parameters

- **\$logger** (`\Psr\Log\LoggerInterface`)

Returns `\Firstred\PostNL\PostNL`

Since 1.0.0

```
public Firstred\PostNL\PostNL::resetLogger ()
```

Set a dummy logger

Returns `static`

Since 1.2.0

```
public Firstred\PostNL\PostNL::getRequestFactory ()
```

Get PSR-7 Request factory.

Returns `\Firstred\PostNL\Factory\RequestFactoryInterface`

Since 1.2.0

```
public Firstred\PostNL\PostNL::setRequestFactory ($requestFactory)
```

Set PSR-7 Request factory.

Parameters

- **\$requestFactory** (`\Firstred\PostNL\Factory\RequestFactoryInterface`)

Returns `static`

Since 1.2.0

```
public Firstred\PostNL\PostNL::getResponseFactory()
```

Get PSR-7 Response factory.

Returns `\Firstred\PostNL\Factory\ResponseFactoryInterface`

Since 1.2.0

```
public Firstred\PostNL\PostNL::setResponseFactory($responseFactory)
```

Set PSR-7 Response factory.

Parameters

- **\$responseFactory** (`\Firstred\PostNL\Factory\ResponseFactoryInterface`)

Returns static

Since 1.2.0

```
public Firstred\PostNL\PostNL::getStreamFactory()
```

Set PSR-7 Stream factory.

Returns `\Firstred\PostNL\Factory\StreamFactoryInterface`

Since 1.2.0

```
public Firstred\PostNL\PostNL::setStreamFactory($streamFactory)
```

Set PSR-7 Stream factory.

Parameters

- **\$streamFactory** (`\Firstred\PostNL\Factory\StreamFactoryInterface`)

Returns static

Since 1.2.0

```
public Firstred\PostNL\PostNL::getBarcodeService()
```

Barcode service.

Automatically load the barcode service

Returns `\Firstred\PostNL\Service\BarcodeServiceInterface`

Since 1.0.0

```
public Firstred\PostNL\PostNL::setBarcodeService($service)
```

Set the barcode service.

Parameters

- **\$service** (*Firstred\PostNL\Service\BarcodeServiceInterface*)

Since 1.0.0

```
public Firstred\PostNL\PostNL::getLabellingService()
```

Labelling service.

Automatically load the labelling service

Returns *\Firstred\PostNL\Service\LabellingServiceInterface*

Since 1.0.0

```
public Firstred\PostNL\PostNL::setLabellingService($service)
```

Set the labelling service.

Parameters

- **\$service** (*Firstred\PostNL\Service\LabellingServiceInterface*)

Since 1.0.0

```
public Firstred\PostNL\PostNL::getConfirmingService()
```

Confirming service.

Automatically load the confirming service

Returns *\Firstred\PostNL\Service\ConfirmingServiceInterface*

Since 1.0.0

```
public Firstred\PostNL\PostNL::setConfirmingService($service)
```

Set the confirming service.

Parameters

- **\$service** (*Firstred\PostNL\Service\ConfirmingServiceInterface*)

Since 1.0.0

```
public Firstred\PostNL\PostNL::getShippingStatusService()
```

Shipping status service.

Automatically load the shipping status service

Returns *\Firstred\PostNL\Service\ShippingStatusServiceInterface*

Since 1.0.0

```
public Firstred\PostNL\PostNL::setShippingStatusService ($service)
```

Set the shipping status service.

Parameters

- **\$service** (*Firstred\PostNL\Service\ShippingStatusServiceInterface*)

Since 1.0.0

```
public Firstred\PostNL\PostNL::getDeliveryDateService ()
```

Delivery date service.

Automatically load the delivery date service

Returns *\Firstred\PostNL\Service\DeliveryDateServiceInterface*

Since 1.0.0

```
public Firstred\PostNL\PostNL::setDeliveryDateService ($service)
```

Set the delivery date service.

Parameters

- **\$service** (*Firstred\PostNL\Service\DeliveryDateServiceInterface*)

Since 1.0.0

```
public Firstred\PostNL\PostNL::getTimeframeService ()
```

Timeframe service.

Automatically load the timeframe service

Returns *\Firstred\PostNL\Service\TimeframeServiceInterface*

Since 1.0.0

```
public Firstred\PostNL\PostNL::setTimeframeService ($service)
```

Set the timeframe service.

Parameters

- **\$service** (*Firstred\PostNL\Service\TimeframeServiceInterface*)

Since 1.0.0

```
public Firstred\PostNL\PostNL::getLocationService ()
```

Location service.

Automatically load the location service

Returns *\Firstred\PostNL\Service\LocationServiceInterface*

Since 1.0.0

```
public Firstred\PostNL\PostNL::setLocationService ($service)
```

Set the location service.

Parameters

- **\$service** (*Firstred\PostNL\Service\LocationServiceInterface*)

Since 1.0.0

```
public Firstred\PostNL\PostNL::getShippingService ()
```

Shipping service.

Automatically load the shipping service

Returns mixed

Since 1.2.0

```
public Firstred\PostNL\PostNL::setShippingService ($service)
```

Set the shipping service.

Parameters

- **\$service** (*Firstred\PostNL\Service\ShippingServiceInterface*)

Since 1.2.0

```
public Firstred\PostNL\PostNL::generateBarcode ($type='\3S\', $range=null, $serie=null, $seps=false)
```

Generate a single barcode.

Parameters

- **\$type** (string)
- **\$range** (string)
- **\$serie** (string)
- **\$seps** (bool)

Returns string The barcode as a string

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\InvalidBarcodeException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*
Throws *\Firstred\PostNL\Exception\InvalidBarcodeException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*
Throws *\Firstred\PostNL\Exception\InvalidBarcodeException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*
Throws *\Firstred\PostNL\Exception\InvalidBarcodeException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*
Throws *\Firstred\PostNL\Exception\InvalidBarcodeException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*
Throws *\Firstred\PostNL\Exception\InvalidBarcodeException*
Since 1.0.0

public Firstred\PostNL\PostNL::generateBarcodeByCountryCode (*\$iso*)

Generate a single barcode by country code.

Parameters

- *\$iso* (string) 2-letter Country ISO Code

Returns string The Barcode as a string

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\InvalidBarcodeException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\InvalidBarcodeException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\InvalidBarcodeException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\InvalidBarcodeException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\InvalidBarcodeException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\InvalidBarcodeException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*
Throws *\Firstred\PostNL\Exception\InvalidBarcodeException*
Since 1.0.0

public Firstred\PostNL\PostNL::generateBarcodesByCountryCodes (\$isos)

Generate a single barcode by country code.

Parameters

- \$isos (array) key = iso code, value = amount of barcodes requested

Returns array Country isos with the barcode as string

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*
Throws *\Firstred\PostNL\Exception\InvalidBarcodeException*
Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*
Throws *\Firstred\PostNL\Exception\InvalidBarcodeException*
Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*
Throws *\Firstred\PostNL\Exception\InvalidBarcodeException*
Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\InvalidBarcodeException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\InvalidBarcodeException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\InvalidBarcodeException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\InvalidConfigurationException*

Throws *\Firstred\PostNL\Exception\InvalidBarcodeException*

Since 1.0.0

```
public Firstred\PostNL\PostNL::sendShipment ($shipment,           $printer-  
                                           type='\GraphicFile\PDF\',$con-  
                                           firm=true)
```

Send a single shipment.

Parameters

- **\$shipment** (*Firstred\PostNL\Entity\Shipment*)
- **\$printertype** (string)
- **\$confirm** (bool)

Returns *\Firstred\PostNL\Entity\Response\SendShipmentResponse*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\NotFoundException`

Throws `\Firstred\PostNL\Exception\CifDownException`

Throws `\Firstred\PostNL\Exception\CifException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\NotFoundException`

Throws `\Firstred\PostNL\Exception\CifDownException`

Throws `\Firstred\PostNL\Exception\CifException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Since 1.2.0

```
public Firstred\PostNL\PostNL::sendShipments (           $shipments,           $printer-
                                                         type='GraphicFile\PDF',           $con-
firm=true,           $merge=false,           $for-
mat=Label::FORMAT_A4,           $po-
sitions=[1 => true, 2 =>
true, 3 => true, 4 => true],
$A6Orientation='P')
```

Send multiple shipments.

Parameters

- **\$shipments** (`Firstred\PostNL\Entity\Shipment[]`) Array of shipments
- **\$printertype** (string) Printer type, see PostNL dev docs for available types
- **\$confirm** (bool) Immediately confirm the shipments
- **\$merge** (bool) Merge the PDFs and return them in a MyParcel way
- **\$format** (int) A4 or A6
- **\$positions** (array) Set the positions of the A6s on the first A4

The indices should be the position number, marked with *true* or *false* These are the position numbers: ``+-++` |2|4| +-++` |1|3| +-++`` So, for ``+-++` |x|✓| +-++` |✓|x| +-++`` you would have to pass: ``php [1 => true, 2 => false, 3 => false, 4 => true,]`` * **\$A6Orientation** (string) A6 orientation (P or L)

Returns *\Firstred\PostNL\Entity\Response\SendShipmentResponse* | string

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\setasign\Fpdi\PdfParser\CrossReference\CrossReferenceException*

Throws *\setasign\Fpdi\PdfParser\Filter\FilterException*

Throws *\setasign\Fpdi\PdfParser\PdfParserException*

Throws *\setasign\Fpdi\PdfParser\Type\PdfTypeException*

Throws *\setasign\Fpdi\PdfReader\PdfReaderException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\setasign\Fpdi\PdfParser\CrossReference\CrossReferenceException*

Throws *\setasign\Fpdi\PdfParser\Filter\FilterException*

Throws *\setasign\Fpdi\PdfParser\PdfParserException*

Throws *\setasign\Fpdi\PdfParser\Type\PdfTypeException*

Throws *\setasign\Fpdi\PdfReader\PdfReaderException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\setasign\Fpdi\PdfParser\CrossReference\CrossReferenceException*

Throws *\setasign\Fpdi\PdfParser\Filter\FilterException*

Throws *\setasign\Fpdi\PdfParser\PdfParserException*

Throws *\setasign\Fpdi\PdfParser\Type\PdfTypeException*

Throws *\setasign\Fpdi\PdfReader\PdfReaderException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\setasign\Fpdi\PdfParser\CrossReference\CrossReferenceException*

Throws *\setasign\Fpdi\PdfParser\Filter\FilterException*

Throws *\setasign\Fpdi\PdfParser\PdfParserException*

Throws *\setasign\Fpdi\PdfParser\Type\PdfTypeException*

Throws *\setasign\Fpdi\PdfReader\PdfReaderException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\setasign\Fpdi\PdfParser\CrossReference\CrossReferenceException*

Throws *\setasign\Fpdi\PdfParser\Filter\FilterException*

Throws *\setasign\Fpdi\PdfParser\PdfParserException*

Throws *\setasign\Fpdi\PdfParser\Type\PdfTypeException*

Throws *\setasign\Fpdi\PdfReader\PdfReaderException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\setasign\Fpdi\PdfParser\CrossReference\CrossReferenceException*

Throws *\setasign\Fpdi\PdfParser\Filter\FilterException*

Throws *\setasign\Fpdi\PdfParser\PdfParserException*

Throws *\setasign\Fpdi\PdfParser\Type\PdfTypeException*

Throws *\setasign\Fpdi\PdfReader\PdfReaderException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\setasign\Fpdi\PdfParser\CrossReference\CrossReferenceException*

Throws *\setasign\Fpdi\PdfParser\Filter\FilterException*

Throws *\setasign\Fpdi\PdfParser\PdfParserException*

Throws *\setasign\Fpdi\PdfParser\Type\PdfTypeException*

Throws *\setasign\Fpdi\PdfReader\PdfReaderException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

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Throws *\setasign\Fpdi\PdfParser\Type\PdfTypeException*

Throws *\setasign\Fpdi\PdfReader\PdfReaderException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\setasign\Fpdi\PdfParser\CrossReference\CrossReferenceException*

Throws *\setasign\Fpdi\PdfParser\Filter\FilterException*

Throws *\setasign\Fpdi\PdfParser\PdfParserException*

Throws *\setasign\Fpdi\PdfParser\Type\PdfTypeException*

Throws `\setasign\Fpdi\PdfReader\PdfReaderException`

Throws `\Firstred\PostNL\Exception\NotFoundException`

Throws `\Firstred\PostNL\Exception\CifDownException`

Throws `\Firstred\PostNL\Exception\CifException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

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Throws `\setasign\Fpdi\PdfParser\Filter\FilterException`

Throws `\setasign\Fpdi\PdfParser\PdfParserException`

Throws `\setasign\Fpdi\PdfParser\Type\PdfTypeException`

Throws `\setasign\Fpdi\PdfReader\PdfReaderException`

Throws `\Firstred\PostNL\Exception\NotFoundException`

Throws `\Firstred\PostNL\Exception\CifDownException`

Throws `\Firstred\PostNL\Exception\CifException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

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Throws `\setasign\Fpdi\PdfParser\PdfParserException`

Throws `\setasign\Fpdi\PdfParser\Type\PdfTypeException`

Throws `\setasign\Fpdi\PdfReader\PdfReaderException`

Throws `\Firstred\PostNL\Exception\NotFoundException`

Throws `\Firstred\PostNL\Exception\CifDownException`

Throws `\Firstred\PostNL\Exception\CifException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\setasign\Fpdi\PdfParser\CrossReference\CrossReferenceException`

Throws `\setasign\Fpdi\PdfParser\Filter\FilterException`

Throws `\setasign\Fpdi\PdfParser\PdfParserException`
Throws `\setasign\Fpdi\PdfParser\Type\PdfTypeException`
Throws `\setasign\Fpdi\PdfReader\PdfReaderException`
Throws `\Firstred\PostNL\Exception\NotFoundException`
Throws `\Firstred\PostNL\Exception\CifDownException`
Throws `\Firstred\PostNL\Exception\CifException`
Throws `\Firstred\PostNL\Exception\ResponseException`
Throws `\Psr\Cache\InvalidArgumentException`
Throws `\Firstred\PostNL\Exception\HttpClientException`
Throws `\Firstred\PostNL\Exception\InvalidArgumentException`
Throws `\Firstred\PostNL\Exception\NotSupportedException`
Throws `\setasign\Fpdi\PdfParser\CrossReference\CrossReferenceException`
Throws `\setasign\Fpdi\PdfParser\Filter\FilterException`
Throws `\setasign\Fpdi\PdfParser\PdfParserException`
Throws `\setasign\Fpdi\PdfParser\Type\PdfTypeException`
Throws `\setasign\Fpdi\PdfReader\PdfReaderException`
Throws `\Firstred\PostNL\Exception\NotFoundException`
Throws `\Firstred\PostNL\Exception\CifDownException`
Throws `\Firstred\PostNL\Exception\CifException`
Throws `\Firstred\PostNL\Exception\ResponseException`
Throws `\Psr\Cache\InvalidArgumentException`
Throws `\Firstred\PostNL\Exception\HttpClientException`
Throws `\Firstred\PostNL\Exception\InvalidArgumentException`
Since 1.2.0

```

public Firstred\PostNL\PostNL::generateLabel ($shipment,           $printer-
                                             type='\GraphicFile\PDF',    $con-
                                             firm=true)
  
```

Generate a single label.

Parameters

- **\$shipment** (`Firstred\PostNL\Entity\Shipment`)
- **\$printertype** (string)
- **\$confirm** (bool)

Returns `Firstred\PostNL\Entity\Response\GenerateLabelResponse`
Throws `\Firstred\PostNL\Exception\CifDownException`
Throws `\Firstred\PostNL\Exception\CifException`
Throws `\Firstred\PostNL\Exception\ResponseException`
Throws `\Psr\Cache\InvalidArgumentException`
Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\NotFoundException`

Throws `\Firstred\PostNL\Exception\CifDownException`

Throws `\Firstred\PostNL\Exception\CifException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\NotFoundException`

Throws `\Firstred\PostNL\Exception\CifDownException`

Throws `\Firstred\PostNL\Exception\CifException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\NotFoundException`

Throws `\Firstred\PostNL\Exception\CifDownException`

Throws `\Firstred\PostNL\Exception\CifException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\NotFoundException`

Throws `\Firstred\PostNL\Exception\CifDownException`

Throws `\Firstred\PostNL\Exception\CifException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\NotFoundException`

Throws `\Firstred\PostNL\Exception\CifDownException`

Throws `\Firstred\PostNL\Exception\CifException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\HttpClientException`
Throws `\Firstred\PostNL\Exception\NotSupportedException`
Throws `\Firstred\PostNL\Exception\InvalidArgumentException`
Throws `\Firstred\PostNL\Exception\NotFoundException`
Throws `\Firstred\PostNL\Exception\CifDownException`
Throws `\Firstred\PostNL\Exception\CifException`
Throws `\Firstred\PostNL\Exception\ResponseException`
Throws `\Psr\Cache\InvalidArgumentException`
Throws `\Firstred\PostNL\Exception\HttpClientException`
Throws `\Firstred\PostNL\Exception\NotSupportedException`
Throws `\Firstred\PostNL\Exception\InvalidArgumentException`
Throws `\Firstred\PostNL\Exception\NotFoundException`
Throws `\Firstred\PostNL\Exception\CifDownException`
Throws `\Firstred\PostNL\Exception\CifException`
Throws `\Firstred\PostNL\Exception\ResponseException`
Throws `\Psr\Cache\InvalidArgumentException`
Throws `\Firstred\PostNL\Exception\HttpClientException`
Throws `\Firstred\PostNL\Exception\NotSupportedException`
Throws `\Firstred\PostNL\Exception\InvalidArgumentException`
Throws `\Firstred\PostNL\Exception\NotFoundException`
Since 1.0.0

```

public Firstred\PostNL\PostNL::generateLabels(      $shipments,      $printer-
                                                    type='\GraphicFile\PDF',  $con-
firm=true,    $merge=false,    $for-
mat=Label::FORMAT_A4,    $po-
sitions=[1 => true, 2 =>
true, 3 => true, 4 => true],
$A6Orientation='P')
  
```

Generate or retrieve multiple labels.

Note that instead of returning a `GenerateLabelResponse` this function can merge the labels and return a string which contains the PDF with the merged pages as well.

Parameters

- **\$shipments** (`Firstred\PostNL\Entity\Shipment[]`) (key = ID) Shipments
- **\$printertype** (string) Printer type, see PostNL dev docs for available types
- **\$confirm** (bool) Immediately confirm the shipments
- **\$merge** (bool) Merge the PDFs and return them in a MyParcel way
- **\$format** (int) A4 or A6
- **\$positions** (array) Set the positions of the A6s on the first A4

The indices should be the position number, marked with *true* or *false* These are the position numbers: ` +-+--+ |2|4| +-+--+ |1|3| +-+--+ ` So, for ` +-+--+ |x|✓| +-+--+ |✓|x| +-+--+ ` you would have to pass: `php [1 => true, 2 => false, 3 => false, 4 => true,] ` ***\$a6Orientation** (string) A6 orientation (P or L)

Returns `\Firstred\PostNL\Entity\Response\GenerateLabelResponse[]` | string

Throws `\Firstred\PostNL\Exception\PostNLException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\setasign\Fpdi\PdfParser\CrossReference\CrossReferenceException`

Throws `\setasign\Fpdi\PdfParser\Filter\FilterException`

Throws `\setasign\Fpdi\PdfParser\PdfParserException`

Throws `\setasign\Fpdi\PdfParser\Type\PdfTypeException`

Throws `\setasign\Fpdi\PdfReader\PdfReaderException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Firstred\PostNL\Exception\PostNLException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\setasign\Fpdi\PdfParser\CrossReference\CrossReferenceException`

Throws `\setasign\Fpdi\PdfParser\Filter\FilterException`

Throws `\setasign\Fpdi\PdfParser\PdfParserException`

Throws `\setasign\Fpdi\PdfParser\Type\PdfTypeException`

Throws `\setasign\Fpdi\PdfReader\PdfReaderException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Firstred\PostNL\Exception\PostNLException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\setasign\Fpdi\PdfParser\CrossReference\CrossReferenceException`

Throws `\setasign\Fpdi\PdfParser\Filter\FilterException`

Throws `\setasign\Fpdi\PdfParser\PdfParserException`

Throws `\setasign\Fpdi\PdfParser\Type\PdfTypeException`

Throws `\setasign\Fpdi\PdfReader\PdfReaderException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\PostNLException*

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Throws *\setasign\Fpdi\PdfParser\Filter\FilterException*

Throws *\setasign\Fpdi\PdfParser\PdfParserException*

Throws *\setasign\Fpdi\PdfParser\Type\PdfTypeException*

Throws *\setasign\Fpdi\PdfReader\PdfReaderException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

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Throws *\setasign\Fpdi\PdfParser\Type\PdfTypeException*

Throws *\setasign\Fpdi\PdfReader\PdfReaderException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

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Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

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Throws *\setasign\Fpdi\PdfParser\CrossReference\CrossReferenceException*

Throws *\setasign\Fpdi\PdfParser\Filter\FilterException*

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Throws *\setasign\Fpdi\PdfParser\Type\PdfTypeException*

Throws *\setasign\Fpdi\PdfReader\PdfReaderException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

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Throws *\Psr\Cache\InvalidArgumentException*

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Throws *\setasign\Fpdi\PdfReader\PdfReaderException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

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Throws *\setasign\Fpdi\PdfParser\Type\PdfTypeException*

Throws *\setasign\Fpdi\PdfReader\PdfReaderException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

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Throws *\Firstred\PostNL\Exception\PostNLException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\setasign\Fpdi\PdfParser\CrossReference\CrossReferenceException*

Throws *\setasign\Fpdi\PdfParser\Filter\FilterException*

Throws *\setasign\Fpdi\PdfParser\PdfParserException*

Throws *\setasign\Fpdi\PdfParser\Type\PdfTypeException*

Throws *\setasign\Fpdi\PdfReader\PdfReaderException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Firstred\PostNL\Exception\PostNLException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\setasign\Fpdi\PdfParser\CrossReference\CrossReferenceException`

Throws `\setasign\Fpdi\PdfParser\Filter\FilterException`

Throws `\setasign\Fpdi\PdfParser\PdfParserException`

Throws `\setasign\Fpdi\PdfParser\Type\PdfTypeException`

Throws `\setasign\Fpdi\PdfReader\PdfReaderException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Psr\Cache\InvalidArgumentException`

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Throws `\setasign\Fpdi\PdfParser\Type\PdfTypeException`

Throws `\setasign\Fpdi\PdfReader\PdfReaderException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Psr\Cache\InvalidArgumentException`

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Throws `\setasign\Fpdi\PdfParser\Filter\FilterException`

Throws `\setasign\Fpdi\PdfParser\PdfParserException`

Throws `\setasign\Fpdi\PdfParser\Type\PdfTypeException`

Throws `\setasign\Fpdi\PdfReader\PdfReaderException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Psr\Cache\InvalidArgumentException`

Throws *\Firstred\PostNL\Exception\ResponseException*

Since 1.0.0

public Firstred\PostNL\PostNL::confirmShipment (\$shipment)

Confirm a single shipment.

Parameters

- **\$shipment** (*Firstred\PostNL\Entity\Shipment*)

Returns *\Firstred\PostNL\Entity\Response\ConfirmingResponseShipment*

Since 1.0.0

public Firstred\PostNL\PostNL::confirmShipments (\$shipments)

Confirm multiple shipments.

Parameters

- **\$shipments** (array)

Returns *\Firstred\PostNL\Entity\Response\ConfirmingResponseShipment []*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Throws *\Firstred\PostNL\Exception\CifDownException*
Throws *\Firstred\PostNL\Exception\CifException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\NotFoundException*
Since 1.0.0

public Firstred\PostNL\PostNL::get**CurrentStatus** (*\$currentStatus*)

Get the current status of a shipment.

This is a combi-function, supporting the following:

- CurrentStatus (by barcode):
 - Fill the Shipment->Barcode property. Leave the rest empty.
- CurrentStatusByReference:
 - Fill the Shipment->Reference property. Leave the rest empty.

Parameters

- **\$currentStatus** (*Firstred\PostNL\Entity\Request\CurrentStatus | \Firstred\PostNL\Entity\Request\CurrentStatusByReference*)

Returns *\Firstred\PostNL\Entity\Response\CurrentStatusResponse*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\CifDownException*

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Throws *\Firstred\PostNL\Exception\HttpClientException*

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Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Firstred\PostNL\Exception\NotFoundException*

Since 1.0.0

Deprecated 1.2.0 Use the dedicated methods (get by phase and status are no longer working)

```
public Firstred\PostNL\PostNL::getShippingStatusByBarcode($barcode, $complete=false)
```

Get the current status of the given shipment by barcode.

Parameters

- **\$barcode** (string) Pass a single barcode
- **\$complete** (bool) Return the complete status (incl. shipment history)

Returns *\Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment*
| *\Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment*

Throws *\Firstred\PostNL\Exception\ShipmentNotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\ShipmentNotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\ShipmentNotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\ShipmentNotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\ShipmentNotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\ShipmentNotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

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Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Throws *\Firstred\PostNL\Exception\ShipmentNotFoundException*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

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Throws *\Firstred\PostNL\Exception\NotSupportedException*

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Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Since 1.2.0

```
public Firstred\PostNL\PostNL::getShippingStatusesByBarcodes ($barcodes,  
                                                                $complete=false)
```

Get the current statuses of the given shipments by barcodes.

Parameters

- **\$barcodes** (string[]) Pass multiple barcodes
- **\$complete** (bool) Return the complete status (incl. shipment history)

Returns *\Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment[]*
|\Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment[]

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

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Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Since 1.2.0

```
public Firstred\PostNL\PostNL::getShippingStatusByReference ($reference,  
                                                             $com-  
                                                             plete=false)
```

Get the current status of the given shipment by reference.

Parameters

- **\$reference** (string) Pass a single reference
- **\$complete** (bool) Return the complete status (incl. shipment history)

Returns *\Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment*
| *\Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment*

Throws *\Firstred\PostNL\Exception\CifDownException*

Throws *\Firstred\PostNL\Exception\CifException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

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Throws *\Firstred\PostNL\Exception\CifDownException*

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Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Throws *\Http\Discovery\NotFoundException*
Since 1.2.0

```
public Firstred\PostNL\PostNL::getShippingStatusesByReference ($references,  
                                                                $complete=false)
```

Get the current statuses of the given shipments by references.

Parameters

- **\$references** (string[]) Pass multiple references
- **\$complete** (bool) Return the complete status (incl. shipment history)

Returns *\Firstred\PostNL\Entity\Response\CurrentStatusResponseShipment[]*
| *\Firstred\PostNL\Entity\Response\CompleteStatusResponseShipment[]*
Throws *\Firstred\PostNL\Exception\HttpClientException*
Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Psr\Cache\InvalidArgumentException*
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Throws *\Firstred\PostNL\Exception\NotSupportedException*
Throws *\Firstred\PostNL\Exception\InvalidArgumentException*
Throws *\Psr\Cache\InvalidArgumentException*
Throws *\Firstred\PostNL\Exception\ResponseException*
Since 1.2.0

public Firstred\PostNL\PostNL::getCompleteStatus (\$completeStatus)

Get the complete status of a shipment.

This is a combi-function, supporting the following:

- CurrentStatus (by barcode):
 - Fill the Shipment->Barcode property. Leave the rest empty.
- CurrentStatusByReference:
 - Fill the Shipment->Reference property. Leave the rest empty.
- CurrentStatusByPhase:
 - Fill the Shipment->PhaseCode property, do not pass Barcode or Reference.
Optionally add DateFrom and/or DateTo.
- CurrentStatusByStatus:
 - Fill the Shipment->StatusCode property. Leave the rest empty.

Parameters

- **\$completeStatus** (*Firstred\PostNL\Entity\Request\CompleteStatus*)

Returns *Firstred\PostNL\Entity\Response\CompleteStatusResponse*

Throws *Firstred\PostNL\Exception\CifDownException*

Throws *Firstred\PostNL\Exception\CifException*

Throws *Firstred\PostNL\Exception\HttpClientException*

Throws *Firstred\PostNL\Exception\NotSupportedException*

Throws *Firstred\PostNL\Exception\InvalidArgumentException*

Throws *Firstred\PostNL\Exception\ResponseException*

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Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\NotFoundException*

Since 1.0.0

Deprecated 1.2.0 Use the dedicated getShippingStatus* methods (get by phase and status are no longer working)

```
public Firstred\PostNL\PostNL::getUpdatedShipments ($dateTimeFrom=null, $dateTimeTo=null)
```

Get updated shipments

Parameters

- **\$dateTimeFrom** (DateTimeInterface | null)
- **\$dateTimeTo** (DateTimeInterface | null)

Returns `\Firstred\PostNL\Entity\Response\UpdatedShipmentsResponse[]`

Since 1.2.0

```
public Firstred\PostNL\PostNL::getSignature ($signature)
```

Get the signature of a shipment.

Parameters

- **\$signature** (`\Firstred\PostNL\Entity\Request\GetSignature`)

Returns `\Firstred\PostNL\Entity\Response\GetSignatureResponseSignature`

Since 1.0.0

Deprecated 1.2.0 Use the getSignature(s)By* alternatives

```
public Firstred\PostNL\PostNL::getSignatureByBarcode ($barcode)
```

Get the signature of a shipment.

Parameters

- **\$barcode** (string)

Returns `\Firstred\PostNL\Entity\Response\GetSignatureResponseSignature`

Since 1.2.0

```
public Firstred\PostNL\PostNL::getSignaturesByBarcodes ($barcodes)
```

Get the signature of a shipment.

Parameters

- **\$barcodes** (string[])

Returns `\Firstred\PostNL\Entity\Response\GetSignatureResponseSignature[]`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws `\Firstred\PostNL\Exception\InvalidArgumentException`

Throws `\Psr\Cache\InvalidArgumentException`

Throws `\Firstred\PostNL\Exception\ResponseException`

Throws `\Firstred\PostNL\Exception\HttpClientException`

Throws `\Firstred\PostNL\Exception\NotSupportedException`

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

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Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\NotSupportedException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\ResponseException*

Since 1.2.0

public Firstred\PostNL\PostNL::getDeliveryDate (\$getDeliveryDate)

Get a delivery date.

Parameters

- **\$getDeliveryDate** (*Firstred\PostNL\Entity\Request\GetDeliveryDate*)

Returns *\Firstred\PostNL\Entity\Response\GetDeliveryDateResponse*

Since 1.0.0

public Firstred\PostNL\PostNL::getSentDate (\$getSentDate)

Get a shipping date.

Parameters

- **\$getSentDate** (*Firstred\PostNL\Entity\Request\GetSentDateRequest*)

Returns *\Firstred\PostNL\Entity\Response\GetSentDateResponse*

Since 1.0.0

public Firstred\PostNL\PostNL::getTimeframes (\$getTimeframes)

Get timeframes.

Parameters

- **\$getTimeframes** (*Firstred\PostNL\Entity\Request\GetTimeframes*)

Returns *\Firstred\PostNL\Entity\Response\ResponseTimeframes*

Since 1.0.0

public Firstred\PostNL\PostNL::**getNearestLocations** (*\$getNearestLocations*)

Get nearest locations.

Parameters

- **\$getNearestLocations** (*Firstred\PostNL\Entity\Request\GetNearestLocations*)

Returns *\Firstred\PostNL\Entity\Response\GetNearestLocationsResponse*

Since 1.0.0

public Firstred\PostNL\PostNL::**getTimeframesAndNearestLocations** (*\$getTimeframes*,
\$getNear-
estLo-
cations,
\$getDeliv-
eryDate)

All-in-one function for checkout widgets. It retrieves and returns the

- timeframes
- locations
- delivery date.

Parameters

- **\$getTimeframes** (*Firstred\PostNL\Entity\Request\GetTimeframes*)
- **\$getNearestLocations** (*Firstred\PostNL\Entity\Request\GetNearestLocations*)
- **\$getDeliveryDate** (*Firstred\PostNL\Entity\Request\GetDeliveryDate*)

Returns array [uuid => ResponseTimeframes, uuid => GetNearestLocationsResponse, uuid => GetDeliveryDateResponse]

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Throws *\Firstred\PostNL\Exception\HttpClientException*

Throws *\Firstred\PostNL\Exception\InvalidArgumentException*

Throws *\Psr\Cache\InvalidArgumentException*

Since 1.0.0

public Firstred\PostNL\PostNL::**getLocationsInArea** (*\$getLocationsInArea*)

Get locations in area.

Parameters

- **\$getLocationsInArea** (*Firstred\PostNL\Entity\Request\GetLocationsInArea*)

Returns *\Firstred\PostNL\Entity\Response\GetLocationsInAreaResponse*

Since 1.0.0

```
public Firstred\PostNL\PostNL::getLocation ($getLocation)
```

Get locations in area.

Parameters

- **\$getLocation** (*Firstred\PostNL\Entity\Request\GetLocation*)

Returns *\Firstred\PostNL\Entity\Response\GetLocationsInAreaResponse*

Since 1.0.0

```
public Firstred\PostNL\PostNL::findBarcodeSerie ($type, $range, $eps)
```

Find a suitable serie for the barcode.

Parameters

- **\$type** (string)
- **\$range** (string)
- **\$eps** (bool) Indicates whether it is an EPS Shipment

Returns string

Throws *\Firstred\PostNL\Exception\InvalidBarcodeException*

Since 1.0.0

1.14 Authors

1.14.1 Maintainers:

- Michael Dekker <git@michaeldekker.nl> (maintainer)

Looking for maintainers! If you'd like to help keep this library up to date please send and email to git@michaeldekker.nl

1.14.2 Contributors:

These contributors have helped with making this library possible. Thank you so much!

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- [jbours](#) (contributor)
- [timmtim](#) (contributor)
- [niccifor](#) (contributor)
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- [TomKriek](#) (contributor)
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