Technical documentation
Webmaster's solution

France only

dpd

Summary

1- Introduction

This document aims to describe:

- The methods to integrate DPD delivery services on your e-commerce Web site
- The tracking links generation so that your recipients will be able to track their parcel delivery
- The creation of interface files between your back-office or management system and the shipping label software "DPD Station".

The interface file is a "text" file containing information for one or more shipments to avoid entering some information manually. This interface file is used for the DPD Station.

The DPD Station software is used to print labels, update transportation plans, and send the shipment data towards DPD servers daily.

About DPD

- DPD is a small parcel carrier.
- The handling unit is the parcel (mono-parcel).
- Each parcel is labeled individually.
- Each parcel has its own weight.

DPD Relais service

- Parcels are delivered to one of our 5000 Pickup points and the recipient can be notified by mail or SMS to get his parcel there. If necessary, recipient will be dunned on the Day+3.
- Delivery from Monday to Friday. The most of our Pickup points are open on weekends.
- Maximum weight per parcel: 20kg
- Delivered country: only the French metropolitan area. The French postal codes from 97000 to 97999 are excluded.

Predict by DPD service

- Parcel is delivered to an address and recipient can be notified by SMS to choose the delivery date + time slot that DPD offered.
- Delivery from Monday to Friday.
- Maximum weight per parcel: 30kg
- Delivered country: only the French metropolitan area. The French postal codes from 97000 to 97999 are excluded.

DPD CLASSIC, Europe & Intercontinental services

- Parcel is delivered to the professionals or individuals via our DPD network.
- France : Delivery at a workplace only
- Other countries : Delivery according to the partner of the destination country
- Maximum weight per parcel: 30kg

2- DPD Relais web integration

A. Introduction

An Pickup point is where recipients get their parcels.

These spaces are located in the French metropolitan area, including Corsica.
The information of Pickup points are displayed on the user interface of your program (for example, the page of an e-commerce Web site)

It is recommended to integrate several textual and/or graphic elements to introduce internet users the delivery services, and allow them to choose a Pickup point for their deliveries.

To reach this goal, GIF pictures and texts are attached in the parent zip archive, and can also be provided by your DPD sales representative.

The published information is based on the address, the postal code and the city of recipients.

The choices of Pickup points are based on a Webservice call, named MyPudo. This Webservice gives all information about the 10 nearest Pickup points to an address.

B. Pickup points search procedure

1. Input Data (address, postal code and city) in Front Office of the e-commerce Web site.
2. Transmit Data to the back-office.
3. Send data to Webservice (address, postal code, City) and engage the timeout.
4. Send XML response to Back Office.
5. Send data (Pickup points) to Front Office

C. Modules implementation

Figure 1: Schematic modules implementation in independent functional layers
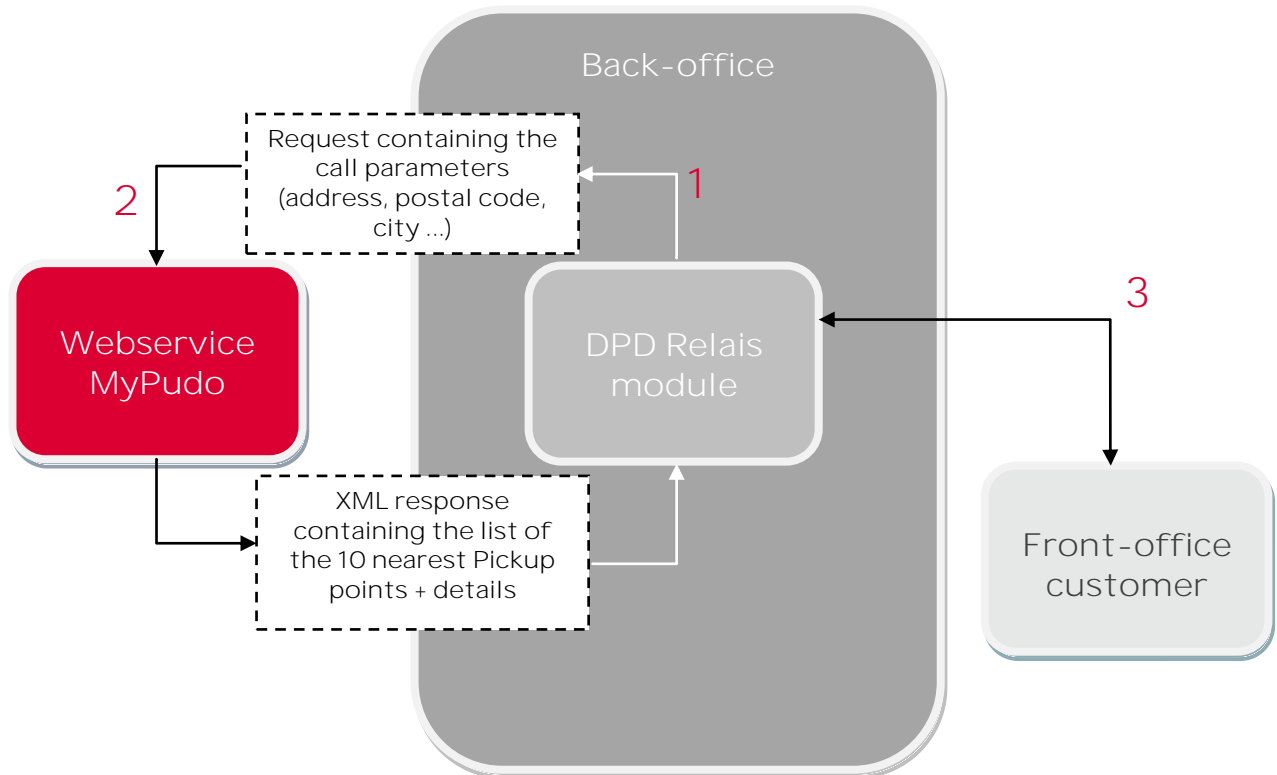
Only the MyPudo Webservice is provided by DPD, other modules must be developed by yourself.

Usage of these modules is divided in 3 main steps controlled by the back-office:

1. A Webservice call with information entered by the user (see details of the Webservice request, cf. section 2.4).
2. All information of Pickup points is included in the XML response. Before adding them to the XML response, the Pickup points selected by the Webservice are filtered firstly with a business rule.
3. Front office display construction from the XML response.

D. Webservice request

Valid request methods

- soap 1.1 or soap 1.2
- HTTP GET
- HTTP POST

Webservice URL

http://mypudo.pickup-services.com/mypudo/mypudo.asmx?op=GetPudoList
http://mypudo.pickup-services.com/mypudo/mypudo.asmx?WSDL

Request parameters

Request Parameter	Type	Required	Description
carrier	String	Yes	Login: EXA
key	string	Yes	Security key : deecd7bc81b71fcc0e292b53e826c48f
address	String (200)	No	Address near where we look for Pickup points. The information are : - The road number - The road type (street, square, avenue, boulevard,...) - The road name (larks, du général de Gaulle,..)
zipCode	String (5)	Yes	Postal code of recipient
city	String (50)	Yes	City of recipient
countrycode	String (2)	No	France = FR
requestID	String (30)	Yes	The request ID is given by Webservice integrator (for example, the order number), and allows to identify the request. It allows also to easily associate the XML response to the original search and log information on the request.
date_from	Date (DD/MM/YYYY)	Yes	Theoretical pickup date by DPD*
max_pudo_number	string	No	Inactive - Number of pudos returned in the XML
max_distance_search	string	No	Inactive - Maximum search radius
weight	string	No	Inactive - Parcel weight
category	string	No	Inactive - Pudo category
holiday_tolerant	string	No	Inactive - Filter the pudos through partial leaves

* Attention: a maximum limit of 21 days from the date of the Webservice call is activated.

The control is done on this maximum value. Any higher value will produce an error (cf. 2.7 errors send by Webservice)

E. Webservice response reception and exploitation of results

XML response

The XML response file is divided in 4 main parts:

- A header
- A part including all Pickup point information, start at tag <PUDO_ITEMS>
- A subpart including the open hours <OPENING_HOURS_ITEMS>
- A subpart including the holidays <HOLIDAY_ITEMS>

Fields	Type	Required	Description
Header			
RESPONSE_QUALITY	N..2	Yes	Cf. § Exploitation of results
REQUEST_ID	AN..50	Yes	ID passed in the request parameter
Second part			
PUDO_ITEMS			
PUDO_ITEM			This tag is repeated each time a PUDO has to be described
PUDO_ID	AN..20	Yes	Pickup point ID
DISTANCE	N..20	Yes	Distance calculated in meters between the recipient address and the Pickup point
NAME	AN..50	Yes	Name of the Pickup point
ADRESS1	AN..50	Yes	
ADRESS2	AN..50	Yes	
ADRESS3	AN..50	Yes	
LOCAL_HINT	AN..100	Yes	Location index. Ex: near the town hall
ZIPCODE	N..5	Yes	Postal code
CITY	AN..50	Yes	City
LONGITUDE	AN..20	Yes	Longitude (decimal degrees)
LATITUDE	AN..20	Yes	Latitude (decimal degrees)
MAP_URL	AN..4000		URL calls a Web page which contains the ICI relais information with a location maps (just like google maps or bing)
AVAILABLE	AN..7		Pickup point availability: full = no holiday during the search period partial = holiday ≤ tolerated level during the search period
Third part			
OPENING_HOURS_ITEMS			Opening hours
OPENING_HOURS_ITEM			This block is repeated for every open day
DAY_ID	N..1	Yes	ID of the day from 1 (Monday) to 7 (Sunday)
START_TM	AN..5	Yes	Opening hour in format HH:mm
END_TM	AN..5	Yes	Closing hour in format HH:mm
Fourth part			
HOLIDAY_ITEMS			Holiday periods of the Pickup point
HOLIDAY_ITEM			It can be repeated if several holiday periods are declared
START_DTM	AN..10	Yes	The first day of holiday in DD/MM/YYYY format
END_DTM	AN..10	Yes	The last day of holiday in DD/MM/YYYY format

```xml
<RESPONSE quality="2">                    O , 1, 2: indicates the obtained response quality
      <REQUEST_ID>12345</REQUEST_ID>          ID passed in the request parameters
      <PUDO_ITEMS>
            <PUDO_ITEM active="true">true = active, false = inactive, repeat x times for x pudos
            <PUDO_ID>P25891</PUDO_ID>                    unique Pickup point ID
            <DISTANCE>988</DISTANCE>   distance in meters between recipient address and pudo
            <NAME>PRESSE LAROUSSE</NAME>                        shop name
            <ADDRESS1>PLACE DES BALADINS</ADDRESS1>                 address
            <ADDRESS2></ADDRESS2>
            <ADDRESS3></ADDRESS3>
            <LOCAL_HINT></LOCAL_HINT>        location index. I.e.:  near the town hall
            <ZIPCODE>13140</ZIPCODE>                        postal code
            <CITY>MIRAMAS</CITY>                                City
            <LONGITUDE>5,00944444444</LONGITUDE>     longitude (decimal degrees)
            <LATITUDE>43,5938888889</LATITUDE>        latitude (decimal degrees)
            <MAP_URL></MAP_URL>                            Map URL
            <AVAILABLE>full</AVAILABLE>   Pickup point availability: full = no holiday
                                   partial = holiday ≤ tolerated level on search period
            <OPENING_HOURS_ITEMS>                        pudo opening hours
                <OPENING_HOURS_ITEM>     This block is repeated for every open day
                    <DAY_ID>1</DAY_ID>ID of day from 1 = (Monday) to 7 = (Sunday)
                    <START_TM>09:00</START_TM>          opening hour (HH:mm)
                    <END_TM>13:00</END_TM>              closing hour (HH:mm)
                </OPENING_HOURS_ITEM>
            </OPENING_HOURS_ITEMS>
            <HOLIDAY_ITEMS>                            holiday periods of pudo
                <HOLIDAY_ITEM>can be repeated if several holiday periods are declared
                    <START_DTM/>              first day of holiday (dd/mm/yyyy)
                    <END_DTM/>               last day of holiday (dd/mm/yyyy)
                </HOLIDAY_ITEM>
            </HOLIDAY_ITEMS>
            </PUDO_ITEM>
      </PUDO_ITEMS>
</RESPONSE>
```

The following text is an example of request and response in SOAP 1.1. The **reserved and displayed spaces** must be replaced by the real values.

```
POST /mypudo/mypudo.asmx HTTP/1.1
Host: mypudo.pickup-services.com
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://MyPudo.pickup-services.com/GetPudoList"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetPudoList xmlns="http://MyPudo.pickup-services.com/">
      <carrier>string</carrier>
      <key>string</key>
      <address>string</address>
      <zipCode>string</zipCode>
      <city>string</city>
      <countrycode>string</countrycode>
      <requestID>string</requestID>
      <date_from>string</date_from>
      <max_pudo_number>string</max_pudo_number>
      <max_distance_search>string</max_distance_search>
      <weight>string</weight>
      <category>string</category>
      <holiday_tolerant>string</holiday_tolerant>
    </GetPudoList>
  </soap:Body>
</soap:Envelope>
```

```
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetPudoListResponse xmlns="http://MyPudo.pickup-services.com/">
      <GetPudoListResult>xml</GetPudoListResult>
    </GetPudoListResponse>
  </soap:Body>
</soap:Envelope>
```

The following text is an example of request and response in SOAP 1.2. The **reserved and displayed spaces** must be replaced by the real values.

```
POST /mypudo/mypudo.asmx HTTP/1.1
Host: mypudo.pickup-services.com
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <GetPudoList xmlns="http://MyPudo.pickup-services.com/">
      <carrier>string</carrier>
      <key>string</key>
      <address>string</address>
      <zipCode>string</zipCode>
      <city>string</city>
      <countrycode>string</countrycode>
      <requestID>string</requestID>
      <date_from>string</date_from>
      <max_pudo_number>string</max_pudo_number>
      <max_distance_search>string</max_distance_search>
      <weight>string</weight>
      <category>string</category>
      <holiday_tolerant>string</holiday_tolerant>
    </GetPudoList>
  </soap12:Body>
</soap12:Envelope>
```

```
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <GetPudoListResponse xmlns="http://MyPudo.pickup-services.com/">
      <GetPudoListResult>xml</GetPudoListResult>
    </GetPudoListResponse>
  </soap12:Body>
</soap12:Envelope>
```

HTTP GET

The following text is an example of request and response in HTTP GET. The **reserved and displayed spaces** must be replaced by the real values.

```
GET
/mypudo/mypudo.asmx/GetPudoList?carrier=string&key=string&address=string&
zipCode=string&city=string&countrycode=string&requestID=string&date_from=
string&max_pudo_number=string&max_distance_search=string&weight=string&ca
tegory=string&holiday_tolerant=string HTTP/1.1
Host: mypudo.pickup-services.com
```

```
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0"?>
xml
```

HTTP POST

The following text is an example of request and response in HTTP POST. The **reserved and displayed spaces** must be replaced by the real values.

```
POST /mypudo/mypudo.asmx/GetPudoList HTTP/1.1
Host: mypudo.pickup-services.com
Content-Type: application/x-www-form-urlencoded
Content-Length: length

carrier=string&key=string&address=string&zipCode=string&city=string&count
rycode=string&requestID=string&date_from=string&max_pudo_number=string&ma
x_distance_search=string&weight=string&category=string&holiday_tolerant=s
tring
```

```
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0"?>
xml
```

All information about the Pickup points are indicated in the XML response.

Response quality

The response quality depends on the data entered (address, postal code, city) by the Webservice user. The response accuracy is told by an indicator, which can be one of 3 values:

0: Poor quality. No result is given. The input data were unusable.
Unknown couple (postal code, city) or Unknown city

1: Average quality. The search is based on city or postal code recognitions.

2: Excellent quality. The search is based on complete address recognition.

The higher the quality is, the more accurate the proposal will be (Pickup points are ordered by increasing distance from the given address) and the more reliable the Pickup point distance indicator will be.

F. Complete response building for the front-office

Please find the following information to build an useful graphical response by your front-office.

Pickup point contact information

The contact information (name, address, postal code, city and distance of Pickup point) allow to locate the point.

Longitude and latitude (metric WGS84 standard norm): may be useful to view the Pickup point on a map (Google Maps or Bing)

Pickup point schedules

Give the opening hours for every day of the week and the potential closing periods.

Pickup point holiday periods

Allow to display the availability.

G. Webservices error codes

```
<RESPONSE>
        <!-- Request number passed in parameter-->
        <REQUEST_ID/>
        <!-- In case of multiple errors, only the first one will be returned-->
        <ERROR code="">Error Message </ERROR>
</RESPONSE>
```

There are 2 kinds of errors:

- errors related to the Webservice unavailability (only Pickup Services via DPD can correct the problem).

- errors related to the parameters entered during the call

MyPudo errors table

Code	Error name	Error description	Solution
Connection error to the database			
201	ConnectionFailed	Faild connection with the data source	Please contact the support at PICKUP Services via DPD
Invalid parameters			
300	InvalidParameters	One or several parameters provided to this Webservice aren't in a conform format.	Correct one of the calling parameters format
301	NullParameterValue	One parameter value is null	Verify the presence of all parameters
302	InvalidZipCode	The postal code format isn't digital	Correct the postal code format in digital
304	InvalidNetworkString	The string format indicats one or several points' networks aren't in the conform format	
305	InvalidMD5String	The security key is invalid	
306	InvalidDateTimeFormat	The date format is wrong. The conform format should be: DD/MM/YYY	The input date isn't in the conform format: DD/MM/YYYY
307	InvalidDateTimeVsDateTimeNow	The required date must be superior to the date of today	
309	InvalidNumberFormat	The transmitted must be strictly a digital value	
310	Interval_Datefrom_Dateto_too_long	date_to – date_from > 15 days	The interval between date_from and date_to can't be more than 15 days
311	Interval_Datefrom_Dateto_too_short_8	date_to – date_from < 8 days	The interval between date_from and date_to can't be less than 8 days
312	DateS_smaller_Datefrom	date_S < date_from	The value of date_S can't be inferior to the date_from
313	DateS_higher_Dateto	date_S > date_to	The value of date_S can't be superior to the date_to
314	Interval_Datefrom_DateS_too_long	date_S – date_from > 4 days	The interval between date_from and date_S can't be more than 4 days
315	DateS_cant_be_null_in_mode_1	if mode 1 : date_S is unknown	The value of Date_S must be input for the filtering mode 1
316	Datefrom_smaller_sysdate_21	date from > sys date + 21 days	The value of date_from can't be superior to sysdate + 21 days
317	HolidayFilter_must_be_0_or_1	*holiday* filter <> 0 or 1	The filtering mode must be entered by 0 or 1

318	HolidayLimit_too _long_3	Limit of *holiday* > 3	The tolerated holiday value can't be superior to 3 days
319	Max_Distance_Se arch_higher_50k ms	max_distance_search > 50 km	The maximum distance must be less than 50 km
320	Pudo_Max_Num ber_higher_10	max_pudo_number >10	The maximum number of the suggested ICI relais points must be smaller than 10
Geocoding errors			
500	UnknownGeocod ingErr	Fatal error during the geocoding of this partial or complete address	Please contact the PICKUP Services support via DPD
501	RefTableNotFoun d	The islets/points references' table (files *.ugc) isn't found at the specified location	Please contact the PICKUP Services support via DPD
502	CouldNotGeocod eAddress	This address couldn't be geocoded	Please contact the PICKUP Services support via DPD
503	CouldNotCreate GeocoderObject	Failure during the geocoding class instantiation	Please contact the PICKUP Services support via DPD
Criteria errors			
601	CouldNotFindPu do	No pudo could be identified from the provided address (base of ilot + point)	No pudo is found
602	CouldNotFindFir m	This carrier isn't found in the data source	
603	CouldNotFindNet work	This point network isn't found in the data source	
604	NoPudosWithNet workFilterValue	The geocoding of this address identified some near points but any of them exist in the required network	
Exception			
700	Exception	Unhandled exception raised by the system	Please contact the PICKUP Service support via DPD

3XX errors must involve a new entry of all or partial data (address, postal code, city...) according to the returned error.

Error 602: must lead to a new entry in the "Carrier" field (Firm ID)

3- Predict by DPD web integration

H. Introduction

Predict is a forecast-timetable service which indicates the delivery timeslots in order to increase the success rate for the first attempting distribution.

In order to meet this target, we propose recipients several delivery dates and timeslots on the day to dispatch their parcels. Recipients tell us about their choices by SMS or by logging in their Recipients Space on www.dpd.fr.

This system is based on a recipient address geolocation, so recipients are notified by SMS, their responses (SMS or Web) are managed and the parcel deliveries are organized.

DPD is in charge of the technical aspect and customer communication, which needs only little web development.

I. Prerequisites

It is recommended to integrate several textual and/or graphic elements to introduce internet users the delivery services, and allow them to enter their mobile phone number for organizing their deliveries.

To reach this goal, GIF pictures and texts are attached in the parent zip archive, and can also be provided by your DPD sales representative.

In order to exchange the delivery information with the recipients, it is necessary to tell us their mobile phone numbers.

They must respect the following conditions:

- French mobile phone number is consisted by 10 consecutive figures beginning with 06 or 07
- No prefix (+33, +33 (0) ...)
- No symbol or space, dash, dot between figures
- No false number type as 0600000000, 0612345678...

In order to validate the conformity of mobile phone numbers, we offer 2 function examples (PHP / JavaScript) to integrate and adapt.

J. Mobile phone number validation : PHP code sample

Here, the mobile phone number is stored in the variable: " $input_tel ".

```php
$input_tel = '0607080910'; // Variable GSM à valider
$elimine =
array('00000000','11111111','22222222','33333333','44444444','55555555','66666666','77777777
','88888888','99999999','123465789','23456789','98765432'); // Patterns à éliminer

// Nettoyage des symboles et espaces et du préfixe +33 - donne 10 chiffres collés
$gsm = str_replace(array(' ', '.', '-', ',', ';', '/', '\\', '(', ')'),'',$input_tel);
$gsm = str_replace('+33','0',$gsm);

// Test sur la présence du 06 ou 07, de 10 chiffres, et si les 8 derniers chiffres ne sont
pas dans les patterns à éliminer
if (!(bool)preg_match('#^0[6-7]([0-9]{8})$#', $gsm, $res) || (in_array($res[1], $elimine))){
    // Mauvais GSM : alerte JS
    echo (" <SCRIPT LANGUAGE='JavaScript'>
            window.alert('Votre livraison Predict par DPD: Afin de vous livrer dans les
meilleures conditions, merci de renseigner un n° de portable français correct avant de
valider votre mode de livraison (commençant par 06 ou 07, sur 10 chiffres).');
            </SCRIPT>");
    exit;
}else{ // GSM OK : fonction suivante
}
```

K. Mobile phone number validation : JavaScript code sample

Here, the mobile phone number is input by recipients in a field which ID is "input_tel".

```javascript
<script language="JavaScript">
function in_array(search, array){
    for (i = 0; i < array.length; i++){
        if(array[i] == search ){
            return false;
        }
    }
    return true;
}

function valideGsm(frm){
    var regex = new RegExp(/^((\+33|0)[67])(?:[ _.-]?(\d{2})){4}$/);
    var gsmDest = document.getElementById('input_tel');
    var numbers = gsmDest.value.substr(-8);
    var pattern = new
Array('00000000','11111111','22222222','33333333','44444444','55555555','66666666','77777777
','88888888','99999999','12345678','23456789','98765432');

    if (regex.test(gsmDest.value) && in_array(numbers, pattern)){
        // GSM OK : fonction suivante
        return true;
    }else{
        // Mauvais GSM : alerte JS
        alert("Votre livraison Predict par DPD: Afin de vous livrer dans les meilleures
conditions, merci de renseigner un n° de portable français correct avant de valider votre
mode de livraison (commençant par 06 ou 07, sur 10 chiffres).");
        return false;
    }
}
</script>
```

4- Parcel tracking

You are able to track your parcel through the DPD network on our website.

In order to facilitate access to tracking information by your recipients or your teams, you can create hypertext links containing the required parameters to gain access to the parcel traces directly.

For that, you can find 2 tracking methods below:

- By your own shipping reference + your DPD depot code + your contract number
- By parcel reference produced by DPD Station labeling software

L. Tracking URL by your shipping reference

The search is based on your unique shipping reference, found in DPD Station at the moment to print the shipping label. This data can be input manually, or integrated directly in the "Reference 1" field of the interface file (cf. section 5).

We attach this reference to your contract number + your local DPD depot code when the shipping data is sent by DPD Station to our servers.

For the trace search, on this example:

- your shipping reference is: 107
- your reattaching DPD depot code is: 269
- your contract number is: 21640

The created link becomes:

http://www.dpd.fr/tracer_107_26921640.html

Advantage

It is not necessary to retrieve the parcel numbers from DPD Station to the back-office. It is possible to create links before the shipment is done, and they will be activated while the data are sent by DPD Station.

M. Tracking URL by a parcel number

The search is based on the parcel number generated by DPD Station. It is composed of 18 figures and every parcel has its own number. This data can be retrieved manually on the parcel label, or it is possible to export the parcel numbers from DPD Station (if you need more information, please contact cargoNet Software S.A.R.L. at +33.3.88.79.79.50).
For the trace search, on this example:
- The parcel number is 250469309002809321

The created link becomes :

http://www.dpd.fr/traces_250469309002809321.html

Advantage

It is recommended to use this method in "marketplace sales" context because depending on the sales platform, it might not be possible to provide a complete URL but only the parcel number.

5- Back-office → DPD Station interface

It is possible to automate the shipping label edition from the labeling software DPD Station, by feeding it with interface files containing the data related to shipments.

You will also gain efficiency in printing the parcel labels, by reducing processing time and by minimizing typing errors.

⚠ **Important: Before going into production, please send an operational file example to your DPD technical interlocutor in order to validate its conformity.**

Interface filename rules

- Don't use the extensions: .bak and .tmp
- You can name your file as you like if the suffix or the extension are always the same.
- It is better to integrate a timestamp into the filename in order to avoid any rewriting of a previous file.

Example of a filename with a timestamp, the extension is: "dat"

> DPD_20150221-142101.dat

File specification

- Fixed ASCII length delimited by CR/LF
- Charset : ISO-8859-1
- Format
  - AN   =   alphanumeric
  - N   =   digital

- The AN fields are left-justified.
- The N fields are right-justified, preceded by 0.

- Status
  - O   =   Mandatory
  - F   =   Facultative
  - V   =   Always empty

- One line per parcel. if there are X parcels, generate X lines.
- Record separator: CR/LF (in hex: 0D0A, materialized by \r\n)
- Decimal separator: the dot .

N. File pattern

Recording Header

N°	Field name	Pos	Length		Status	Value
1	Version ID	1	12	AN	O	$VERSION=110
2	Recording end	13	2		O	CR/LF

Data

N°	Field name	Pos	Length		Status	Comment
1	Customer reference N°1	1	35	AN	O	See explanation below n°1
2	Filler	36	2		V	
3	Parcel weight in decagram	38	8	N	F	1.661 Kg=00000166
Recipient Address						
4	Filler	46	15		V	
5	Last name	61	35	AN	O	
6	Address 1 (or First name if DPD Relais shipment)	96	35	AN	O/F	
7	Address 2	131	35	AN	F	
8	Address 3	166	35	AN	F	
9	Address 4	201	35	AN	F	
10	Address 5	236	35	AN	F	
11	Postal code	271	10	AN	O	
12	City	281	35	AN	O	
13	Filler	316	10		V	
14	Road	326	35	AN	F	
15	Filler	361	10		V	
16	Country code	371	3	AN	O	
17	Telephone	374	30	AN	F	
Shipper Address						
18	Filler	404	15		V	
19	Name	419	35	AN	F	
20	Address 1	454	35	AN	F	
21	Filler	489	35		V	
22	Filler	524	35		V	
23	Filler	559	35		V	
24	Filler	594	35		V	
25	Postal code	629	10	AN	F	
26	City	639	35	AN	F	
27	Filler	674	10		V	
28	Road	684	35	AN	F	
29	Filler	719	10		V	
30	Country code	729	3	AN	F	
31	Tel.	732	30	AN	F	
32	Filler	752	10		V	
33	Comment 1	762	35	AN	F	Delivery instructions
34	Comment 2	797	35	AN	F	Delivery instructions
35	Comment 3	832	35	AN	F	Delivery instructions
36	Comment 4	867	35	AN	F	Delivery instructions
37	Theoretical pickup date	902	10	AN	F	Format : dd/mm/yyyy (31/12/2014)
38	DPD contract number	912	8	N	F	Allow to ventilate your shipments with different

					accounts. The account number will be transmitted by DPD.
39	Bar code	920	35	AN	F	See explanation below n°2
40	Order number	955	35	AN	F	Your order reference.
41	Filler	990	29		V	
42	Declared value amount	1019	9	N	F	1200,25 € = 001200.25 (See explanation below n°3)
43	Filler	1028	8		V	
44	Customer reference N°2	1036	35	AN	V	
45	Filler	1071	1		V	
46	Consolidation number	1072	35	AN	F	See explanation below n°6
47	Filler	1107	10		V	
48	E-mail of sender	1117	80	AN	F	
49	GSM of sender	1197	35	AN	F	
50	E-mail of recipient	1232	80	AN	O/F	See explanation below n°4
51	GSM of recipient	1312	35	AN	O/F	See explanation below n°4
52	Filler	1347	96		V	
53	Pickup point ID	1443	8	AN	O	See explanation below n°5
54	Filler	1451	113		V	
55	Consolidation / type	1564	2	N	F	38 – See explanation below n°7
56	Consolidation / Attribute	1566	2	N	F	01 – See explanation below n°7
57	Filler	1568	1		V	
58	Predict	1569	1		F	« + » - See explanation below n°8
59	Recipient contact name	1570	35	AN	F	
60	DigiCode1	1605	10	AN	F	
61	DigiCode2	1615	10	AN	F	
62	Intercom	1625	10	AN	F	
63	Recording end	1635	2		O	CR/LF
	Recording length		1636			

1. Customer reference N°1

This reference will be used as the shipping ID to track parcels on our Web site. It can be found on your invoice.

2. Bar code

In case you use the DPD Station station in semi-automatic mode and if your parcels are equipped with a bar code created by yourself.

3. Declared value (in Euros)

The maximum declared value per parcel: 22 867€
If the field is filled, you declare to subscribe to an operational insurance which is based on the declared parcel value.
The cost of this insurance will be invoiced according to your DPD tariff conditions. Don't hesitate to contact your DPD sales representative to get more information.

4. E-mail and GSM of recipient

They allow DPD to communicate with the parcel recipient. Some possibilities are offered:

For DPD Relais shipments

- If both fields are filled: your recipients will be informed by email that their parcels are available to pick up. If they don't pick up their parcels on the day+3, we'll remind them by email + SMS.
- If only the email field is filled, we'll inform and remind your recipients only by email.
- If only the GSM field is filled, we'll inform and remind your recipients only by SMS.

For Predict by DPD shipments

- The GSM field must be filled: we'll offer your recipients several delivery dates and timeslots to choose by SMS.
- If both fields are filled, we'll inform your recipients by email and SMS.

Sending SMS will be invoiced according to the DPD tariff conditions. For more information, please contact your DPD sales representative.

5. Pickup point

The Pickup point ID to deliver. It is found in the "Pxxxxx" form, i.e.: P22957.

6. Consolidation number

This number will allow DPD to activate the "declarative" consolidation service (see §7 hereafter).

This number must be unique for each shipment and for a 1 year period.
If this condition isn't completed, the address of the 1st recipient (the 1st recording in the file) will be echoed on the whole shipment.

Consolidation number creation examples:

Your delivery slip number = bl123456, this is a unique number.
- There are 3 parcels to ship with this BL number.
- You can give it in the 3 recordings (one by parcel).
- From 1 to 35 :   bl123456
- From 1072 to 1106 : bl123456
- It is not mandatory to give the same number in the 2 fields.

A shipment of 2 parcels but for the same recipient.
- The given numbers from 1 to 35 are 1234567 and 7654321
- The 2 numbers are different in the 2 recordings.
- From 1072 to 1106, you give a common number which could be: 12345

7. Consolidation Type & Attribute

These values tell the bulking type proposed by DPD.

- Type 38 = declarative (You tell us about the desired service.)
- Attribute 01 = Bulk delivery

Attention

In the case of a declarative shipment (type 38), it is necessary to provide all shipments' information in the same file.

Example:

A shipment contains 3 parcels.
You should create 3 lines (1 line per parcel).
These 3 lines must be in a single file.

8. Predict

This service must be previously authorized by DPD.
It allows notifying the recipients by SMS and offering them two 3-hour-timeslots.
- day +1
- day +2

You enter the "+" value in the "1569" proposition to activate it.

Mandatory fields (only for Predict):
- Recipient name   pos. 61
- Recipient road   pos. 326
- Recipient GSM   pos. 1312

Optional fields (only for Predict):
- Contact name   pos. 1570
- DigiCode1   pos. 1605
- DigiCode2   pos. 1615
- Intercom   pos. 1625

The messages will be sent once we receive your shipment information.

Attention

Only mono parcels shipments are eligible to Predict.
Data must be transmitted by the DPD station before 8 pm.
Recipients must reply before 11 pm.

SMS contents

> The parcel ***<commercial name of your company>***
> will be delivered on the:
> ***<date><time slot>*** If OK type 1.
> ***<date><time slot>*** If OK type 2.
> Otherwise www.dpd.fr with code ***<temporary code >***.
> Response before 11 pm.

SMS confirmation contents

> Thank you for your reply.
> Your parcel of ***<commercial name of your company>*** is programmed for a delivery on the ***<date><time slot>***.
> Best regards, your DPD team.

Cost

The SMS service will be invoiced. For more information about the SMS cost, please contact your DPD sales representative.

O. Export table

Please find below a country code list to use for international shipments. Provide it at the 729 position.

Country	Country code	Type	Length of the postal code
Germany	D	N	= 5
Andorra	AND	AN	= 7, enter « 1234567 »
Austria	A	N	= 4
Belgium	B	N	= 4
Bosnia	BA	N	= 5
Bulgaria	BG	N	= 4
Croatia	CRO	N	= 5
Denmark	DK	N	= 4
Spain	E	N	= 5
Estonia	EST	N	= 5
Finland	SF	N	= 5
France (+ Monaco)	F	N	= 5
Great-Britain	GB	AN	<= 8
Greece	GR	N	= 5
Guernsey	GG	AN	<= 8
Hungry	H	N	= 4
Island of Man	IM	AN	<= 8
Intercontinental	INT	AN	<= 10
Ireland	IRL	AN	= 3
Italy	I	N	= 5
Jersey	JE	AN	<= 8
Latvia	LET	N	= 4
Liechtenstein	LIE	N	= 4
Lithuania	LIT	N	= 4
Luxembourg	L	N	= 4
Norway	N	N	= 4
Netherlands	NL	AN	= 6
Poland	PL	N	= 5
Portugal	P	N	= 7
Czech Republic	CZ	N	= 5
Romania	RO	N	= 6
Serbia	RS	N	= 5
Slovakia	SK	N	= 5
Slovenia	SLO	N	= 4
Sweden	S	N	= 5
Switzerland	CH	N	= 4

6- DPD Station operating modes with interface files

P. Automatic

- The interface file is copied automatically into a shared directory which is accessible by the DPD Station (through the customer local network)
- This file can be copied directly into a shipper station's directory via FTP (The DPD Station station is an FTP server in the case DPD provides you a PC).
- This directory is scanned every 0.5 seconds by the DPD Station software, the file will be processed, erased, and the labels will be printed.

Q. Semi-automatic

- The interface file is made available to the DPD Station station by the same way as the automatic mode.
- The user inputs (with a scanner or not) the shipment reference.
- Then the interface file is loaded in the DPD Station local database.
- If a correspondence is found between the input reference and a file recording, the shipment information will be displayed.
- The user can check the following information: the parcel numbers, the weight of every parcel and the shipping dates.

This mode is for customers who don't know the parcel numbers when the interface file is created, and/or who need weigh the parcels.

R. Large-scale printing / OP

- The user creates an interface file from its commercial management system. (This interface file is made available to the DPD Station station by the same way as the automatic mode).
- It starts to print while requested.
- All data will be printed at the same time.

Recording data which contains: wrong postal code, a weight not in compliance with the system or an invalid Pickup point, will be displayed at the end of printing so that user can correct and print them.