

LOCATION FINDER – UNIFIED API

EXTERNAL GUIDE

Bonn, March 2022

DHL – Excellence. Simply delivered.



Agenda



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What is the DHL Location Finder API?









The Location Finder - Unified API provides one unified interface to find the next closest location to pick-up or drop-off shipments



What is the DHL Location Finder API?

Coverage:



Division	Service	Coverage
 P&P	Standard Shipping 	Germany
 eCom Solutions	Standard Shipping 	Europe
 Express	Express Shipping 	Global



What is the DHL Location Finder API?

Services:¹⁾

Core Services (pick-up / drop-off)

Standard Shipping		Express Shipping	
			
Deutsche Post	DHL Parcel	DHL Express	
Germany	Europe	Global	
letter-service ²⁾	parcel:pick-up	express:pick-up	
parcel:pick-up	parcel:drop-off	express:drop-off	
parcel:drop-off	parcel:pick-up-unregistered	express:drop-off-account	
parcel:pick-up-registered	parcel:drop-off-unregistered	express:drop-off-easy	
parcel:drop-off-unregistered		express:drop-off-prelabeled	

¹⁾ Service descriptions can be found in the Appendix

²⁾ Only post offices, no letter-boxes

Additional Services

postbank
cash-on-delivery
franking
cash-service
packaging-material
postident
age-verification
handicapped-access
parking



Where and how can the API be used?

Use Case

Show a list of DHL service points and lockers in your webshops' checkout process

```
1 {"name": "Packstation 139",  
  "distance": 52,  
  "place": {  
    "address": {  
      "countryCode": "DE",  
      "postalCode": "53113",  
      "addressLocality": "Bonn",  
      "streetAddress": "Heinrich-Brüning-Str. 5"  
    }  
  }  
}
```

```
2 {"name": "Packstation 145",  
  "distance": 318,  
  "place": {  
    "address": {  
      "countryCode": "DE",  
      "postalCode": "53113",  
      "addressLocality": "Bonn",  
      "streetAddress": "Charles-de-Gaulle-Str. 20"  
    }  
  }  
}
```

```
3 {"name": "Postfiliale 502",  
  "distance": 334,  
  "place": {  
    "address": {  
      "countryCode": "DE",  
      "postalCode": "53113",  
      "addressLocality": "Bonn",  
      "streetAddress": "Charles-de-Gaulle-Str. 20"  
    }  
  }  
}
```

...



Where and how can the API be used?

Use Case

Print a label for a selected DHL service point or locker

```


"url": "/locations/8003-4013463",
"location": {
  "ids": [
    {
      "locationId": "8003-4013463",
      "provider": "parcel"
    }
  ],
  1 "keyword": "Postfiliale",
  2 "keywordId": "501",
  "type": "postoffice"
},
"name": "Postagentur Abt",
"place": {
  "address": {
    "countryCode": "DE",
    3 "postalCode": "53111",
    4 "addressLocality": "Bonn",
    "streetAddress": "Am Johanneskreuz 8-10"
  }
}

```

Label

Addressing items to an outlet

First name	<input type="text" value="Lisa"/>
Last name	<input type="text" value="Musterfrau"/>
Extra address info	<input type="text" value="7654321"/>
Street	<input type="text" value="Postfiliale"/> <input type="text" value="501"/>
Postal code	<input type="text" value="12345"/>
City/Town	<input type="text" value="Musterstadt"/>





Where and how can the API be used?

Addressing to a locker in Germany:

If you wish to address your shipment to a locker (“Packstation”) in Germany, please follow the steps below

- 1 Provide your **name**
- 2 Use “Packstation” as **street name**
- 3 Use the Packstation number (here “145”) as **house number**
- 4 Provide your PostNumber (here “987654321”) in the **second name** or **additional address** field. If you don’t have a PostNumber yet, sign up for one [here](#)
- 5 Enter the **country** (here “DE”), **postal code** (here “53113”) and **city** (here “Bonn”)

First name	Max
Last name	Sample
Additional address information	987654321
Street	Packstation
House number	145
Country	DE
Postal code	53113
City	Bonn

API sample response provides all necessary location data:

```

"url": "/locations/8007-453113145",
"location": {
  "keyword": "Packstation",
  "keywordId": "145",
  "type": "locker"
},
"name": "Packstation 145",
"place": {
  "address": {
    "countryCode": "DE",
    "postalCode": "53113",
    "addressLocality": "Bonn",
    "streetAddress": "Charles-de-Gaulle-Str. 20"
  },
}
}
...

```




Where and how can the API be used?

Addressing to a DHL Service Point in Germany:

If you wish to address your shipment to a DHL Service Point (“Postoffice” or “Parcelshop”) in Germany, please follow the steps below

- 1 Provide your **name**
- 2 Use “Postfiliale” as **street name**
- 3 Use the Postfiliale number (here “502”) as **house number**
- 4 Provide your PostNumber (here “987654321”) in the **second name** or **additional address** field. If you don’t have a PostNumber yet, sign up for one [here](#)
- 5 Enter the **country** (here “DE”), **postal code** (here “53113”) and **city** (here “Bonn”)

First name	Max
Last name	Sample
Additional address information	987654321
Street	Postfiliale
House number	502
Country	DE
Postal code	53113
City	Bonn

API sample response provides all necessary location data:

```

"url": "/locations/8003-4008202",
"location": {
  "keyword": "Postfiliale",
  "keywordId": "502",
  "type": "postoffice"
},
"name": "Postfiliale 502",
"place": {
  "address": {
    "countryCode": "DE",
    "postalCode": "53113",
    "addressLocality": "Bonn",
    "streetAddress": "Charles-de-Gaulle-Str. 20"
  },
}
...

```

Note: Please provide the **recipient e-mail address**. This is needed in order to inform you by e-mail as soon as the recipient can pick up the shipment



Where and how can the API be used?

Addressing to a locker in Europe:

If you wish to address your shipment to a locker in Europe, please follow the steps below

- 1 Provide your **name**
- 2 Use the country specific keyword (here “DHL Packstation”) as **street name**
- 3 Use the keywordID (here “NL-110175”) as **house number**
- 4 Enter the **country** (here “NL”), **postal code** (here “1101DZ”) and **city** (here “Amsterdam”)

First name	Max
Last name	Sample
Street	DHL Packstation
House number	NL-110175
Country	NL
Postal code	1101DZ
City	Amsterdam

API sample response provides all necessary location data:

```
"url": "/locations/8004-NL-110175",
"location": {
  "keyword": "DHL Packstation",
  "keywordId": "NL-110175",
  "type": "locker"
},
"name": "DHL – Pakketautomaat Shell (Ikea)",
"place": {
  "address": {
    "countryCode": "NL",
    "postalCode": "1101DZ",
    "addressLocality": "Amsterdam",
    "streetAddress": "Laarderhoogtweg 5-PS"
  },
}
...
}
```

Note: Please provide the **recipient e-mail address**. This is needed in order to inform you by e-mail as soon as the recipient can pick up the shipment



Where and how can the API be used?

Addressing to a DHL Service Point in Europe:

If you wish to address your shipment to a DHL Service Point in Europe, please follow the steps below

- 1 Provide your **name**
- 2 Use the country specific keyword (here “DHL Parcelshop”) and keywordID (here “NL-110603”) as **additional address** information
- 3 Enter the **country** (here “NL”), **postal code** (here “1106LN”), **city** (here “Amsterdam”), **street** (here “Holendrechtplein”) and **house number** (here “14”)

First name	Max
Last name	Sample
Additional address information	DHL Parcelshop NL-110603
Street	Holendrechtplein
House number	14
Country	NL
Postal code	1106LN
City	Amsterdam

API sample response provides all necessary location data:

```

"url": "/locations/8004-NL-110603",
"location": {
  "keyword": "DHL Parcelshop",
  "keywordId": "NL-110603",
  "type": "servicepoint"
},
"name": "Akash Multi Plaza 14B",
"place": {
  "address": {
    "countryCode": "NL",
    "postalCode": "1106LN",
    "addressLocality": "Amsterdam",
    "streetAddress": "Holendrechtplein 14"
  }
}
...

```

Note: Please provide the **recipient e-mail address**. This is needed in order to inform you by e-mail as soon as the recipient can pick up the shipment



Where and how can the API be used?

- 1 Go to <https://developer.dhl.com/> and click on “**LOCATION**”

The screenshot shows the DHL Developer Portal homepage. The header includes the DHL logo, 'API Developer Portal', and navigation links for 'APIs', 'Documentation', 'Help Center', 'Register', and 'Login'. The main heading reads 'DHL FOR DEVELOPERS' and 'MODERN REST APIS, SIMPLY DELIVERED'. Below this are two buttons: 'Sign up' and 'Browse our APIs'. The 'OUR SERVICES' section features four cards: 'TRACKING', 'SHIPPING', 'LOCATION', and 'FURTHER SERVICES'. The 'LOCATION' card is highlighted with a yellow border and a yellow circle with the number '1' and an arrow pointing to it. The 'ABOUT DHL API DEVELOPER PORTAL' section at the bottom provides context about the portal and includes 'Sign up' and 'Learn more' buttons.



How can I try the API by myself?

2 Click on “Location Finder - Unified”

The screenshot shows the DHL API Developer Portal interface. At the top, there is a yellow header with the DHL logo and navigation links: APIs, Documentation, Help Center, Register, and Login. Below the header, there is a search bar labeled 'Search API' and a 'clear all filters' button. The main content area is titled 'BROWSE APIS'. On the left, there are filter sections for 'Service type' (with options: Capability, Duty and Tax, Location, Pickup, Shipping, Tracking, Transportation, Warehousing) and 'Division' (with option: DPDHL Group). The 'Location' filter is checked. In the center, the 'Location Finder - Unified' API is highlighted with a yellow box. To its right, there is a 'Recommended' button and a yellow circle with the number '2' and an arrow pointing to the API name. Below the API name, there is a 'Best for:' section with bullet points: 'Finding all DHL pick-up and drop-off points to send and receive packages', 'Integrating multiple types of Deutsche Post DHL locations', and 'Locations in Germany and many countries in Europe'. There is also a 'Region: Global' and 'Used for: Location' section.



How can I try the API by myself?

3 Click on “Try now!”

The screenshot displays the DHL API Developer Portal for the 'Location Finder - Unified' API (v1.4.0). The page is divided into a header, a sidebar, and a main content area. The header includes the DHL logo, 'API Developer Portal', and navigation links for 'APIs', 'Documentation', 'Help Center', 'Register', and 'Login'. The sidebar contains a list of navigation items: 'Overview', 'Scope', 'Using the API', 'Example Use Cases', 'User Guide', 'How Tos', and 'Legal Terms'. The main content area features the API title, version, and division (DPDHL Group). It lists 'Best for' scenarios: finding all DHL pick-up and drop-off points, integrating multiple types of Deutsche Post DHL locations, and locations in Germany and many countries in Europe. It also specifies the region as 'Global' and the use for 'Location'. Below this is an 'Overview' section describing the API's purpose and listing user capabilities: retrieving service points near a location, determining services offered, and getting opening hours. A circular logo for the 'LOCATION FINDER API' with the DHL logo and a world map is also present. A yellow circle with the number '3' and a grey arrow point to a red 'Try now!' button in the top right corner of the main content area.



How can I try the API by myself?

4 Click on one of the methods

The screenshot shows the DHL API documentation interface. On the left, there is a sidebar with navigation options: Overview, Locations, and Models. Under 'Locations', four methods are listed with their respective HTTP methods (GET) and descriptions. A yellow box highlights the first four methods, and a yellow circle with the number '4' and a grey arrow points to this box. The main content area on the right contains the following information:

The DHL Location Finder API provides Service Point locations of Deutsche Post DHL Group. This service is also known as pick up and drop off (PUDO).
Detailed documentation and release notes are available at <https://developer.dhl/api-reference/location-finder>.

[Base URL: `api.dhl.com/location-finder/v1`]

Locations Retrieve Information About DHL Service Point Locations

GET <code>/find-by-address</code> Search for DHL Service Point locations by address.	>
GET <code>/find-by-geo</code> Search for DHL Service Point locations by geo coordinates	>
GET <code>/find-by-keyword-id</code> Search for DHL Service Point locations by keywordId	>
GET <code>/locations/{id}</code> Retrieve one DHL Service Point location by its ID	>



How can I try the API by myself?

Locations Retrieve information about DHL Service Point Locations

GET /find-by-address

Search for DHL Service Point locations by address.

This method will find DHL locations based on an address by first converting the address to a reference point (latitude, longitude) and then finding locations near that point. To convert an address to a reference point, this API uses the [Google Geocoding API Address](#). To optimize results, besides **countryCode** you need to provide **addressLocality** and/or **postalCode**. The more address fields you provide, the better results you may get.

Please read Google Geocoding API Terms of Use: <https://cloud.google.com/maps-platform/terms>

Limitations: Address fields are not filters, but partly Geocoding API hence limited control over results.

Code Examples [View code examples](#)

Shell C# Java JavaScript PHP Python [more languages...](#)

```

1 curl -i --request GET \
2 --url 'https://api.dhl.com/locations/v1/find-by-address?countryCode=DE' \
3 --header 'DHL-API-KEY: 82PACR2T24SLR' \
4 --header 'content-type: application/json'

```

[Copy](#) [Download](#)

Parameters [Try it out](#)

Name	Description
countryCode string required	A two-letter ISO 3166-1 alpha-2 code (https://en.wikipedia.org/wiki/ISO_3166-1_alpha-2) specifying the country. https://api.dhl.com/locations/v1/find-by-address?countryCode=DE
addressLocality string optional	Text specifying the name of the locality, for example a city. https://api.dhl.com/locations/v1/find-by-address?addressLocality=Bonn
postalCode string optional	Text specifying the postal code for an address. https://api.dhl.com/locations/v1/find-by-address?postalCode=53113
streetAddress string optional	The street address is expressed as free form text. The street address is printed on paper as the first lines below the name. For example, the name of the street and the number in the street, or the name of a building. https://www.dhl.com/locations/v1/find-by-address?streetAddress=Charles-de-Gaulle-Str-20
providerType string optional	This parameter allows to filter by DPDHL's internal Business Units. When this parameter is specified at least once per request, only locations known by that providerType (e.g. Business Unit) will be returned. There may be locations with more than one providerType. The available providerTypes are: express (DHL Express Global), parcel (eCommerce Solutions Europe and Post & Parcel Germany)
locationType string optional	Type of the DHL Service Point location. This parameter can be added multiple times in each API request. The response will include only locations of the type that matches any of the requested ones.
serviceType string optional	Each location can offer more than one service. This parameter can be added multiple times in each API request. The response will include only locations with at least all of the serviceTypes requested.
radius number optional	Specifies the radius in meters around the provided location, to search within. Maximum radius: 25 000 meters. Default radius: 500 meters.
limit number optional	Number specifying the maximum amount of locations included in the results. Maximum limit: 50 locations. Default limit: 15 locations.

[Execute](#)

5 Click on “Try it out”

6 Enter example values you want to test with

7 Click on “Execute”



5



6



7



How can I try the API by myself?

Responses Response content type: application/json

CURL

```
1 curl -X 'GET' \  
2 'https://api.dhl.com/location-finder/v1/find-by-address?countryCode=DE&addressLocality=Bonn&postalCode=53113&streetAddress=Charles-de-Gaulle-Str.%202020&radius=2500&limit=20' \  
3 -H 'accept: application/json' \  
4 -H 'DHL-API-Key: demo-key'
```

Copy

REQUEST URL

```
https://api.dhl.com/location-finder/v1/find-by-address?countryCode=DE&addressLocality=Bonn&postalCode=53113&streetAddress=Charles-de-Gaulle-Str.%202020&radius=2500&limit=20
```

SERVER RESPONSE

Code: 200 Details

RESPONSE BODY

```
{  
  "locations": [  
    {  
      "url": "/locations/8003-4008202",  
      "location": {  
        "ids": [  
          {  
            "locationId": "8003-4008202",  
            "provider": "parcel"  
          }  
        ],  
        "keyword": "Postfiliale",  
        "keywordId": "502",  
        "type": "postoffice"  
      },  
      "name": "Postfiliale 502",  
      "radius": 2500,  
      "limit": 20  
    }  
  ]  
}
```

Copy Download

RESPONSE HEADERS

```
content-type: application/json
```

8 See the actual API request

9 Get data for entered location



8



9



How can I get access to the API?

1 Click on “Get Access!”

The screenshot shows the DHL API Developer Portal for the 'Location Finder - Unified' API (v1.4.0). The page is divided into a left sidebar with navigation links (Overview, Scope, Using the API, Example Use Cases, User Guide, How Tos, Legal Terms) and a main content area. The main content area includes the API title, division (DPDHL Group), best for (Finding all DHL pick-up and drop-off points, Integrating multiple types of Deutsche Post DHL locations, Locations in Germany and many countries in Europe), region (Global), and used for (Location). Below this is an 'Overview' section with a description of the API and a list of users of the API can. A circular logo for the 'LOCATION FINDER API' with the DHL logo and a world map is also present. The 'Get Access!' button is highlighted with a yellow box and a grey arrow pointing to it from a yellow circle with the number 1.

Location Finder - Unified v1.4.0

Division: **DPDHL Group**

Best for:

- Finding all DHL **pick-up** and **drop-off points** to send and receive packages
- Integrating **multiple** types of **Deutsche Post DHL locations**
- Locations in **Germany** and many countries in **Europe**

Region: Global
Used for: **Location**

Overview

The **DHL Location Finder API** provides data on DHL Service Points which a user needs for sending and receiving packages.

Users of this API can:

- Retrieve DHL Service Points near a specific location based on either address information or geographical coordinates
- Determine which services are offered at a DHL Service Point
- Get information about opening hours and holiday closing times of each DHL Service Point



How can I get access to the API?

CREATE APP

App name* ← **2**

Description

APIs*

SELECT API

API's name

Environment:

- Production (Global), Customer (Integration) Testing

Rate limit:

- 500 requests every 1 day

Add API to app:

Name	Environment	Rate limit	Add to app
Location Finder - Unified	Production (Global), Customer (Integration) Testing	500 requests every 1 day	<input checked="" type="checkbox"/> ← 3

Selected APIs:

Name	Environment	Rate limit	Remove from app
No APIs were selected			

Create App ← **4**

CREATING AN APP WILL ALLOW YOU TO REQUEST CREDENTIALS TO THE AVAILABLE APIS*

PERFORM THE FOLLOWING STEPS TO GET STARTED:

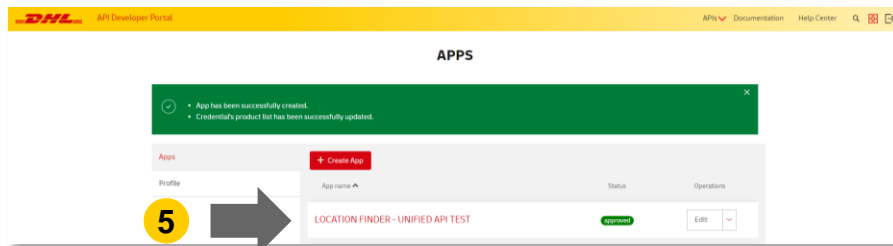
- 1. APP NAME AND DESCRIPTION**
You need to provide an app name and description
- 2. SELECT THE NEEDED APIS**
Select the needed APIs from the list and you will be prompted about the available environments and rate limits
- 3. APP STATUS**
Your app is created and contains a status indicating if your key is already approved for use
- 4. READY TO GO**
When your key is approved, you are ready to implement our API(s) in your projects!

*Some APIs are not available through this self-service option and might require to contact your DHL representative

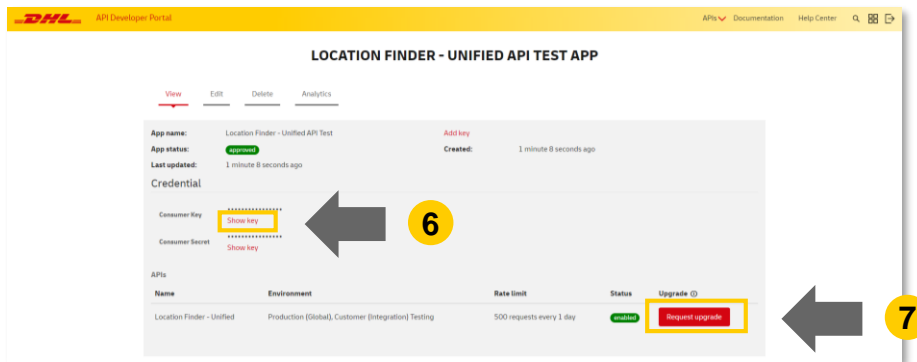
- 2** Choose an “App name”
- 3** Click on “+” (Add to app)
- 4** Click on “Create App”



How can I get access to the API?



5 Click on the app name



6 Click “Show” to see the API Key

7 Click “Request Upgrade” (for higher rate limits)



How can I get access to the API?

UPGRADE REQUEST: LOCATION FINDER - UNIFIED

Your name

Your email address

Are You already a DHL customer?

In case you are already a DHL customer, what's your DHL shipping account number:

What's your expected rate of usage?

What's your purpose of usage?

Please specify if there are any other usage:

From which DHL division(s) do you need DHL locations?

Please specify if there are other divisions needed:

Please provide a phone number in case of questions:

What's the full name of your company?

What's the name of your business website, if applicable?

Send message automatically

8 Fill out the form

9 Click on “Send message”

9

8



Who can support me?

API Developer Portal:

<https://developer.dhl.com/>

1

APIs ▾ Documentation Help Center Register **Login** 🔍

2

LOG IN

Username

Password

Forgot your password?

DON'T HAVE AN ACCOUNT?

3

NEED HELP?

Problems to register in the portal?
What standards do the DHL APIs follow?
Check the frequently asked questions

4

NOT FOUND THE ANSWER? HAVE A DIFFERENT QUESTION?

Your name

Your email address

Country

Category

Subject

Message

Attachment Keine ausgewählt

Upload requirements

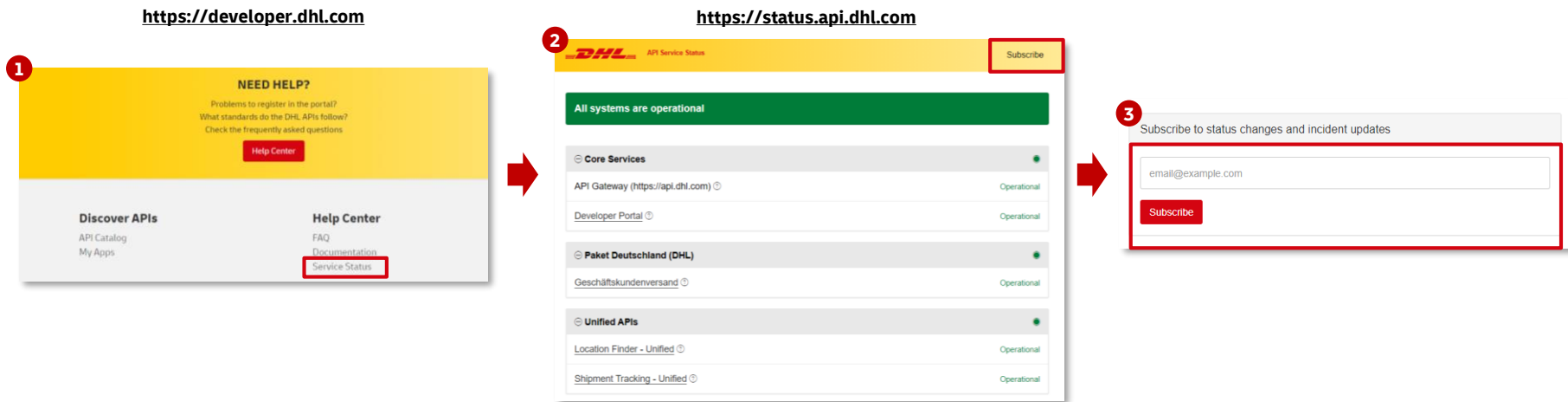
Send yourself a copy

DHL Developer Portal Support is always here to help you out.

WITHIN 1-2 BUSINESS DAYS
Send us an email and we will get back to you as soon as possible.



What are the notification channels?



THANK YOU

Appendix

Service Description:

Service Type	Description
parcel: pick-up	Consumers can pick up DHL Parcel shipments. This applies to last mile.
parcel: drop-off	Consumers can drop off DHL Parcel shipments. This applies to first mile.
express: pick-up	Consumers can pick up DHL Express shipments. This applies to last mile.
express: drop-off	Consumers can drop off DHL Express shipments. This applies to first mile.
express: drop-off-account	Consumers with a DHL Express account but without shipment label can drop off DHL Express shipment.
express: drop-off-easy	Consumers without a DHL Express account (new customer) can drop off DHL Express shipment.
express: drop-off-prelabeled	Consumers with a DHL Express account can drop off DHL Express shipment which label has been created by using an online shipment manifest creation tool. The shipment can also be a return shipment.
parcel: pick-up-registered	Automated locker station for parcel pick-up for pre-registered consumers (e.g. Parcel Locker, Packstation, SwipBox, Lean Parcel Locker).
parcel: pick-up-unregistered	Automated locker station for parcel pick-up for unregistered consumers (e.g. Parcel Locker, Packstation, SwipBox, Lean Parcel Locker).
parcel: drop-off-unregistered	Automated locker station for parcel drop-off for unregistered consumers (e.g. Parcel Locker, Packstation, SwipBox, Lean Parcel Locker).
letter-service	Letter services are offered (e.g. Post Office offering).
postbank	Offering of services from the German financial institution Deutsche Postbank AG, a subsidiary of Deutsche Bank AG. The individual offering can be looked up at Deutsche Postbank AG.
cash-on-delivery	Offering of "cash on delivery". A shipment is only handed over to the recipient against payment.
franking	Offering of labels for franking. This does not include the product "Mobile Paketmarke".
cash-service	Cash service is offered via cash or card payment service. In Germany Giro, Maestro, Postcard and cash payment is supported.
packaging-material	Offering for packing material such as packages for parcels, envelopes for letters, paper, pencils, and pens.
postident	Postident is a service to reliably verify the identity of a consumer. This service is commonly used for online bank account identity verification.
age-verification	Reliable verification of the customers age. This service is commonly used to verify that the consumer has reached a specific age for an online offering (e.g. 14 or 18 years).
handicapped-access	Fair access for the disabled.
parking	Parking area close by.