



Preferred Shipping Rating API Instructions

About the Rating Service API

Our Rating API Service operates using an HTTP GET query that returns appropriate XML for the cost of a shipment, including accessorial charges such as overweight/oversize fees, remote area surcharges where applicable, fuel surcharges, etc. This API is provided as-is and without warranty by Preferred Shipping. By utilizing this API, you acknowledge that you accept those terms.

Using the Rating Service API

Here is an example request to the Rating Service API:

<http://api.preferredship.com/rating/rates.php?acc=111222333&dst=BH&wgt=125&prd=P&pcs=6|6|72|125>

This request defines the shipment to be 126 lbs, in a 6"x6"x72" box, using the Worldwide Express service, and on account number 111222333, with a destination of BH (Bahrain).

Please see the following pages for a full list of query parameters, use examples, product codes, country code variances, and errors.

If you need assistance, please contact Adam Young at adam@preferredship.com.



Query Parameters

The available Query Parameters are:

Parameter	Required	Default	Example	Notes
acc	Optional	BOOK	111222333	Account number to rate. Omit for book rates.
dir	Optional	O	O	Rating direction. Inbound rating is not yet supported.
gtw	Optional	US	US	Gateway to use. May be FL for South Florida shippers in specific origin zip codes that qualify for gateway pricing to Central and South America. Please see sales rep for information on if shipper qualifies for this rating.
dst	Required		SE	DHL destination country code. <i>See Appendix A.</i>
cty	Optional			Destination city. Used for Remote Area Service lookup. Only necessary for countries not using postal codes. Can be provided for every request.
pst	Optional		13460	Destination postal code. Used for Remote Area Service lookup. Only necessary for countries using postal codes. Can be provided for every request. Should not include spaces, dashes, or other non-alphanumeric characters.
wgt	<i>Conditional</i>		5.212	Shipment weight in LBS. May be a decimal value. May be omitted if piece information is provided.
prd	Required		P	Product code. <i>See Appendix B.</i>
svp	Optional	0	250	Shipment Value Protection amount.
ddp	Optional	N	N	Flag requesting Delivery Duty Paid service.
nds	Optional	N	N	Flag requesting Neutral Delivery Service.
fsc	Optional	Varies	12.5	Fuel Surcharge Rate. Currently hard coded into rating service, but can be overridden in request URL. Provide value as 12.5 for 12.5%. Do not provide a factor such as 0.125 instead.
pcs	<i>Conditional</i>		10 6 8 4	Piece dimensions (Length, Width, Height, Weight) provided as four pipe separated values. May be omitted if shipment weight is provided. Decimal values for all dimensions are allowed. Assumed to be LBS and IN UOM. Multiple pieces, no limit, are provided as semi-colon separated values. E.g. 10 6 8 4;12 8 10 6;8 8 4 3
schgtype	Optional		FLT	Shipper surcharge type: FLT (flat) or PCT (percentage). Percentage follows same rule as fsc parameter. Use 12.5 and not 0.125 for 12.5%.
schgbort	Optional		B	Shipper surcharge target: B (base) or T (total)
schgamnt	Optional		10	Shipper surcharge amount: amount to add



Sample Queries and Responses

Sample 1

<http://www.example.com/DHLRating/rates.php?acc=111222333&dst=SE&wgt=10&prd=P>

```
<ratingResponse>
  <baseRate>154.49</baseRate>
  <totalCharge>178.44</totalCharge>
  <fees>
    <fee charge="23.95">Fuel Surcharge</fee>
  </fees>
  <info>
    <chargeableWeight>10</chargeableWeight>
    <countryZone>D</countryZone>
    <baseCountryTransitDays>2</baseCountryTransitDays>
    <rateServiceVersion>0.8.111220</rateServiceVersion>
  </info>
</ratingResponse>
```

Sample 2

<http://www.example.com/DHLRating/rates.php?acc=111222333&dst=SE&wgt=10&prd=P&dp=Y&pst=13460&pcs=12|8|49|15>

```
<ratingResponse>
  <baseRate>304.13</baseRate>
  <totalCharge>454.07</totalCharge>
  <fees>
    <fee charge="24.00">Remote Area Service</fee>
    <fee charge="15.00">Delivery Duty Paid</fee>
    <fee charge="50.00">Over Size Piece</fee>
    <fee charge="60.94">Fuel Surcharge</fee>
  </fees>
  <info>
    <chargeableWeight>34</chargeableWeight>
    <countryZone>D</countryZone>
    <baseCountryTransitDays>2</baseCountryTransitDays>
    <rateServiceVersion>0.8.111220</rateServiceVersion>
  </info>
</ratingResponse>
```



Sample 3

<http://www.example.com/DHLRating/rates.php?acc=111222333&dst=SE&wgt=10&prd=P&dp=Y&pst=13460&pcs=12|8|4|15;8|8|5|24&schgtype=FLT&schgbort=B&schgamnt=10>

```
<ratingResponse>
  <baseRate>342.43</baseRate>
  <totalCharge>440.55</totalCharge>
  <fees>
    <fee charge="24.00">Remote Area Service</fee>
    <fee charge="15.00">Delivery Duty Paid</fee>
    <fee charge="59.12">Fuel Surcharge</fee>
  </fees>
  <info>
    <chargeableWeight>39</chargeableWeight>
    <countryZone>D</countryZone>
    <baseCountryTransitDays>2</baseCountryTransitDays>
    <rateServiceVersion>0.8.111220</rateServiceVersion>
  </info>
</ratingResponse>
```



Appendix A

ISO Country Code Variances

Listed are the variations between the ISO standard for country codes and the DHL codes. Codes not listed here are the same in the ISO standard and DHL network.

Code	ISO Code	Code	DHL Code
AQ	Antarctica	~~	~~~~~
AX	Åland Islands	FI	FINLAND
BL	Saint Barthélemy	XY	ST. BARTHELEMY
BQ	Bonaire, Sint Eustatius and Saba	XB	BONAIRE
BV	Bouvet Island	~~	~~~~~
CC	Cocos (Keeling) Islands	~~	~~~~~
CW	Curaçao	XC	CURACAO
CX	Christmas Island	AU	AUSTRALIA
EH	Western Sahara	~~	~~~~~
GS	South Georgia and the South Sandwich Islands	~~	~~~~~
HM	Heard Island and McDonald Islands	~~	~~~~~
~~	~~~~~	IC	CANARY ISLANDS, THE
IM	Isle of Man	GB	UNITED KINGDOM
IO	British Indian Ocean Territory	~~	~~~~~
~~	~~~~~	KV	KOSOVO
MF	Saint Martin (French part)	XM	ST. MARTIN
NF	Norfolk Island	AU	AUSTRALIA
PM	Saint Pierre and Miquelon	~~	~~~~~
PN	Pitcairn	~~	~~~~~
PS	Palestinian Territory, Occupied	IL	ISRAEL
SH	Saint Helena, Ascension and Tristan da Cunha	~~	~~~~~
SJ	Svalbard and Jan Mayen	NO	NORWAY
SX	Saint Maarten (Dutch part)	XM	ST. MAARTEN
TF	French Southern Territories	~~	~~~~~
TK	Tokelau	~~	~~~~~
TM	Turkmenistan	~~	~~~~~
UM	United States Minor Outlying Islands	~~	~~~~~
VA	Holy See (Vatican City State)	IT	ITALY
WF	Wallis and Futuna	~~	~~~~~
~~	~~~~~	XE	ST. EUSTATIUS
~~	~~~~~	XN	NEVIS
~~	~~~~~	XS	SOMALILAND



Appendix B

DHL Product Codes

Product Code	Product Name
X	EXPRESS ENVELOPE
D	EXPRESS WORLDWIDE (doc)
P	EXPRESS WORLDWIDE (nondoc)
K	EXPRESS 9:00 (doc)
E	EXPRESS 9:00 (nondoc)
L	EXPRESS 10:30 (doc)
M	EXPRESS 10:30 (nondoc)
T	EXPRESS 12:00 (doc)
Y	EXPRESS 12:00 (nondoc)



Error Messages

The rating service will return error messages in situations when the rates cannot be determined.

Sample Errors

Sample 1

<http://www.example.com/DHLRating/rates.php?acc=111222331&dst=SE&wgt=10&prd=P>

```
<errorResponse>
  <message>Could not find rating data for: 111222331-US-0</message>
  <rateServiceVersion>0.8.111220</rateServiceVersion>
</errorResponse>
```

Sample 2

<http://www.example.com/DHLRating/rates.php?acc=111222333&dst=SE&wgt=10&prd=X>

```
<errorResponse>
  <message>Letter weight exceeds 0.5 maximum.</message>
  <rateServiceVersion>0.8.111220</rateServiceVersion>
</errorResponse>
```

List of Error Messages

The Following error messages may be returned.

Error Message	Direction
Destination country not supported.	Destination country not recognized. See <i>appendix A</i> .
Error within piece dimensions.	Piece information has too many or too few dimensions.
Letter weight exceeds 0.5 maximum.	Letter service is 0.5 LBS max.
Letter rate requires use of envelope.	Piece information was supplied for product code X.
Could not find rating data for: <filename>	Account may not be provisioned on server.
Rating entry not found.	Account is provisioned but product/weight combination does not exist. This may mean that an invalid product code was used.