



SCHENKER

Price Online Europe API

Version 1.9.3

Document: API Price Online Europa
Specification of messages IFTMIN / IFTMCS
Query Price Online
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Schenker AB, IT Division

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Revision history

Version	Date	Comments
1.0	2003-08-20	Document created
1.1	2009-04-03	Added chapter 3.4 Other charges and added <total_price> in chapter 3.1.
1.2	2010-04-14	Added number of pallets, pallet type and long goods
1.3	2010-12-06	Added information regarding e-service authentication including link to application form.
1.4	2012-11-09	Added dangerous goods and temperature controlled flags. Changed URL to use https:// protocol to account for new security process. Corrected request.service parameter to be BTL_TELAGRPLUGIN.
1.5	2014-10-15	Changed link to apply for authorization.
1.6	2017-09-12	Service level – new values representing products DBSCHENKER system and DBSCHENKER systempremium added. New parameter Options added in chapter 2.
1.7	2018-03-03	Two new options added. New error response for option combination.
1.8	2018-09-27	Two new products added.
1.9	2023-08-25	Removal of “3-domestic” in section ‘export_import’ Removal of “01-DBSchenkerdirect” & “05-Full Loads” Added 28 & 45 in ‘service_level’ Two new options for pre notice that replaces the old single pre notice option 17 New options 02/03, 9, 85, 57, 58, 01. Options 55 & 56 removed Added Long Goods Width and Height to Ref 2.1 Search Parameters Added new error response to Ref 3.3 for invalid Long Goods values.
1.9.1	2024-02-14	Removal of “02 – Long Goods” in section ‘options’. For Long Goods see Long Goods section on page 5.
1.9.2	2025-01-02	Rename of option 01 Econeutral to Offsetting.
1.9.3	2025-01-10	Adjustments of available options.

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1. Price Online Europe

The Price Online Europe service is a user-authenticated service. Authorization is applied for here (only in Swedish): <http://www.schenker.se/access>

The Online Pricing service can be used as a plug-in to directly obtain freight pricing information in XML format, which can be used by an external application. The application can return the XML in two formats. One is the EDIFACT standard format and the other is a compacted format, used within the online application to enhance performance. To use the service as a plug-in, a valid HTTP request must be made.

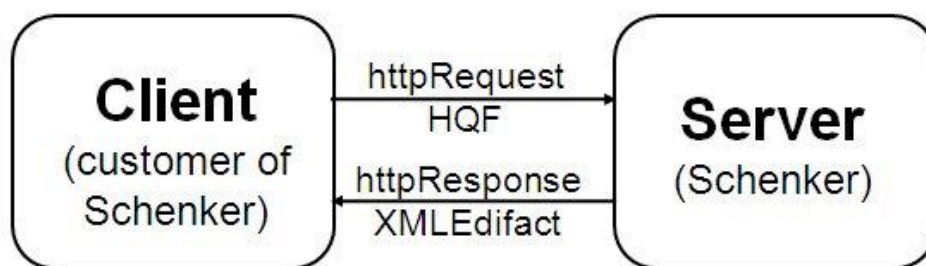


Figure 1 Flow chart of the service

For further information of how Schenker's online services are built and should be invoked we recommend reading our separate introduction.

Each request to the Online Pricing API should begin with the servlet location and name, followed by a query string containing the required search parameters. The current URL for the production service is as follows:

<https://was.schenker.nu/priceonline/com.dcs.servicebroker.http.HttpXSLTServlet?>

The definition for the query string for each search type follows.

2. Request message

Information being sent to the service.

The column heading 'M' represents mandatory field.

2.1 Search Parameters

Parameter Name	M	Allowed values	Length
request.service	M	BTL_TELAGRPLUGIN	-
request.method	M	retrieve	-
request.format	M	xml – for compact variable tags xmledifact – for EDIFACT standard tags	-
export_import	M	1 – Export 2 – Import	1
service_level	M	28 – DB SCHENKER coldsped 71 - DB SCHENKER full load 72 - DB SCHENKER part load 43 - DB SCHENKER system 44 - DB SCHENKER systempremium 45 - DB SCHENKER systemHome (crossborder)	2
options		Options are represented by 2-character long values. 01 - Offsetting 08 - Limited Quantity 09 - Dangerous Goods 16 - Pre-Notice email 17 - Pre-Notice Delivery 18 - Pre-Notice PickUp 19 - Pre-Notice sms 20 – Time window PickUp morning 21 – Time window Delivery morning 22 – Time window PickUp afternoon 23 – Time window Delivery afternoon 35 - Fix Day 36 - Fix Day PickUp 37 - Fix Day Delivery 39 - Fix Day To be agreed 55 – Premium 10 56 – Premium 13 57 - Fix Day 10 58 - Fix Day 13 The required values should be concatenated together up to a maximum length of 30, giving 15 allowed options. Example value to be passed for two options: 1735	30
origin_country	M	A valid 2 letter uppercase ISO country code representing the origin	2

		country	
from_postcode	M	A valid postcode for the origin country.	9
destination_country	M	A valid 2 letter uppercase ISO country code representing the destination country	2
to_postcode	M	A valid postcode for the destination country.	9
terms_of_trade	M	One of the following codes: 001 – EXW 002 – FCA 006 – CPT 007 – CIP 010 – CPT 011 – CIP 014 – CPT 015 – CIP 022 – DDU 023 – DDP	3
gross_weight	M	Gross weight in kg	5
cube		Volume in cbm	5
flat		Flat weight in ldm	5
longgoods		Long goods length	3
Longgoods wdt		Long goods width	3
Longgoods hgt		Long goods height	3
pallets		Number of pallets	2
pallettype		Pallet type code PP – Standard Pallets	3
dangerous		1 – dangerous goods exist	1
temp_controlled		1 – temperature controlled	1
currency	M	The 3 letter ISO code for the desired pricing currency.	3
request.user.id	M	The username to use for the request	20
request.user.password	M	The password for the username used.	20

Example of Request message (query string):

https://was.schenker.nu/priceonline/com.dcs.servicebroker.http.HttpXSLTServlet?request.service=BTL_TELAGRPLUGIN&export_import=2&service_level=05&origin_country=FI&from_postcode=10000&destination_country=NO&to_postcode=1000&terms_of_trade=022&gross_weight=1000.00&cube=0.000&flat=0.00&tax_weight=0.00&pallets=3&pallettype=PP&dangerous=1¤cy=NOK&request.method=retrieve&request.format=xmldefact&request.user.id=xyz&request.user.password=123

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3. XML Response definitions

Information returned from the service.

3.1 Response.format=xml

```
<xml>
  <response>
    <data_list.0>
      <client>client ID</client>
      <client_name>client name</client_name>
      <home_country>client home country</home_country>
      <export_import>export/import indicator</export_import>
      <service_level>service level</service_level>
      <origin_country>origin country code</origin_country>
      <from_postcode>origin postcode</from_postcode>
      <destination_country>destination country code</destination_country>
      <to_postcode>destination postcode</to_postcode>
      <terms_of_trade>terms of trade</terms_of_trade>
      <gross_weight>gross weight</gross_weight>
      <cube>volume</cube>
      <longgoods>long goods</longgoods>
      <pallets>number of pallets</pallets>
      <pallettype>pallet type</pallettype>
      <tax_weight>calculated tax weight</tax_weight>
      <currency>currency code</currency>
      <collect_area>collection area code</collect_area>
      <international_from_area>from area code</international_from_area>
      <deliver_area>delivery area code</deliver_area>
      <international_to_area>to area code</international_to_area>
      <freight_price>calculate freight price</freight_price>
      <error_message>error message code</error_message>
      <return_status>return status</return_status>
      <other_charges> list of other charges for each other charge
        <charge>
          <code>other charges charge code</code>
          <description>other charges description</description>
          <amount>other charges amount</amount>
        </charge>
      </other_charges>
    </data_list.0>
  </response>
</xml>
```


3.2 Response.format=xmledifact

```
<xml>
  <party_id>party id</party_id>
  <party_name>party name</party_name>
  <country_of_exportation>origin country</country_of_exportation>
  <place_of_departure>origin postcode</place_of_departure>
  <country_of_destination>destination country</country_of_destination>
  <place_of_destination>destination postcode</place_of_destination>
  <terms_of_transport>terms of trade</terms_of_transport>
  <gross_weight>gross weight</gross_weight>
  <volume>volume</volume>
  <loading_metres>loading metres</loading_metres>
  <long_goods>long goods</long_goods>
  <pallets>number of pallets</pallets>
  <pallet_type>pallet type</pallet_type>
  <freight_charge>freight charge</freight_charge>
  <pricing_currency>currency code</pricing_currency>
  <other_charges> list of other charges for each other charge
    <charge>
      <code>other charges charge code</code>
      <description>other charges description</description>
      <amount>other charges amount</amount>
    </charge>
  </other_charges>
</xml>
```

3.3 Error response

If a problem occurs with the user validation data which is supplied to the HTTP server, an error message will be returned in the xml in the following format.

```
<xml>
  <error>Error message</error>
</xml>
```

The following error messages are currently defined:

- User not found
- User is disabled
- Password is incorrect
- User is not enrolled in the specified service
- Invalid Option combination
- Invalid Product (Direct Products)
 - Long Goods Length must be entered if Width entered
 - Long Goods Width must not be greater than Length

3.4 Error codes

The possible error codes, and their meanings which can be returned in the <error message> tag in the xml format response are as follows:

Error Code	Description
ERR0356	Unable to Calculate Price Based on Transport details Entered
ERR0507	ERROR: Unable to Generate Price Online Reference
ERR0512	Unable to Calculate some other charges due to currency conversion errors
ERR0521	No Agreement exists - Unable to Calculate Price
ERR2712	One of Weight, Volume or Flat/Load must be entered
ERR6154	Gross Weight entered is greater than the Maximum value allowed
ERR6155	Volume Weight entered is greater than the Maximum value allowed
ERR6156	Flat Weight entered is greater than the Maximum value allowed
ERR9433	No Telephone Agreements Pricing Details Found
ERR9500	No Agreement Parameters Exist
ERR9561	Mode of Transport is invalid or missing
ERR9804	Exchange Rate Not found for selected Currency Code
ERR9931	Error or Call to Exchange Rate Server
FFE2403	Client ID not found

3.5 Other charges

The possible codes for other charges, and their meanings which can be returned in the <other_charges> tag in the xml format response are as follows:

Charge code	Charge description, Swedish	Charge description, English
235	Expeditionsavgift utrikes	Forwarding Fee
236	Avgift saknad EDI	Fee no EDI
301	Exportdeklaration	Customs clearance
303	Radavgift per rad utöver en	Commodity lines Fee
574	Farligt gods	Dangerous Goods
575	Termotillägg	Thermo
586	Vägskatt Tyskland	Maut Germany
587	Vägskatt Österrike	Road Tax Austria
598	Vägskatt Tjeckien	Road Tax Czech Republic
589	Avgift nya Svinesundsbron	Svinesundsbron extra Fee
592	System Top frakttillägg	System Top
593	System Top12 frakttillägg	System Top12
595	Hamnavgift Finland	Harbour Fee Finland
701	Förtullning normalt förfarande	Customs Declaration
730	Förtullning i mottagarlandet	Customs Declaration import
740	Efterkrav/COD	COD

4. Edifact standard definitions

Parameter Name	Standard	Description
party_id	NAD-3039	Client ID
party_name	NAD-3036	Client Name
country_of_exportation	LOC-3227	Origin Country
place_of_departure	LOC-3227	Origin Postcode
country_of_destination	LOC-3227	Destination country
place_of_destination	LOC-3227	Destination Postcode
terms_of_transport	TOD-4053	Terms of Trade
gross_weight	MEA-6313-AAD	Gross Weight
volume	MEA-6313-VOL	Volume
loading_metres	MEA-6313-LMT	Flat Weight
freight_charge	MOA-5004	Freight Charge
pricing_currency	MOA-6345	Currency Code