CollectionPoint-API documentation

GetNearestServicePoint, GetServicePoint and GetAllServicePoints for:

- **DB SCHENKER*parcel ombud***

and GetNearestTerminal for:

- **DB SCHENKER*parcel* with option Collect at terminal**
- **DB SCHENKER*system* with option Collect at terminal**

Schenker AB, Sweden specification version 3.4.0

GET - DeliveryPoint/v3

Table of content - CollectionPoint-API documentation

1 General information

This document describes the CollectionPoint-API solutions: GetNearestServicePoint, GetServicePoint and GetAllServicePoints used for **DB SCHENKER*parcel ombud,*** *and* GetNearestTerminal used for ***DB SCHENKERparcel* with option Collect at terminal** and ***DB SCHENKERsystem* with option Collect at terminal,** for customers and system developers who wish to provide support and enable to choose Parcel ombud and/or Parcel-/System with option Collect at terminal for customers in checkout solutions.

For Swedish transport product information: 1.1 Transport product information

DB Schenker Finland transport product:
Solution for Collection Point Finland information:
1.1.4 DB Schenker Finland Collection Point information

IMPORTANT

If collection point data is stored/cached, it's required to update and download new data from the used method every 12 hours (max cache is 12 hours), due to that updates to remove, add and change data take place continuously every day.

NOTES

- *GetServicePoint or GetAllServicePoints - is also used to validate Collection Point ID* before transport order is created and transferred to DB Schenker*
- *GetServicePoint or GetAllServicePoints - is also used to add Collection Point address data* to transport order, if address data is not stored on customer order in ERP to transport order system, before transport order is created and transferred to DB Schenker*

  ** GetServicePoint and GetAllServicePoints – don't support Terminal Collection Point data!*
- *The Collection Point/Terminal Collection Point data is updated every day, and developed solution is required to update every 12 hours*
- *Collection Point can also be referred to as Service Point, Parcel ombud or in Swedish Paketombud*
- *Terminal Collection Point can also be referred to as DB Schenker Terminal pickup Point, Terminal ombud*

Example of system providers for label and transport order solutions:
www.schenker.se/ta-system

1.1 Transport product information

1.1.1 DB SCHENKER*parcel ombud*

DB SCHENKER*parcel ombud* specifications of e.g. max number of packages, size, weight and volume and available options see latest Transport Terms and Conditions and product information via: www.schenker.se/transportvillkor

1.1.2 DB SCHENKER*parcel* and DB SCHENKER*system* with option Collect at terminal

DB SCHENKER*parcel* with option Collect at terminal and DB SCHENKER*system* with option Collect at terminal specifications of e.g. packages, size, weight and volume and available options see latest Transport Terms and Conditions and product information via: www.schenker.se/transportvillkor

1.1.3 DB SCHENKER*parcel box*

See separate Parcelbox-API documentation at: www.schenker.se/api

1.1.4 DB Schenker Finland Collection Point information

From 2023-02-27 it's recommended to use the Finnish API-solution: "mySCHENKER Web Service 3.0" or later version shared and supported by DB Schenker Finland www.dbschenker.fi

1.2 Getting started

The webservice is located at the following URL:
https://parcelservices-se.dbschenker.com/Apipartner/Help

Authorizations information details for request:
https://parcelservices-se.dbschenker.com/Apipartner/Help/GeneralInfo

1.3 Help, example request, Postman example and Swagger

https://parcelservices-se.dbschenker.com/Apipartner/Help/ExamplePage

Postman:
Postman example available via above link.
To authenticate towards API in Postman use ”prerequest-script” setup, or remove "prerequest-script” and use only Authorization-header according to 1.4, alternative 1.

Swagger links:

Test Swagger API page:
https://staging-parcelservices-se.dbschenker.com/Apipartner/swagger/ui/index

Production Swagger API page:
https://parcelservices-se.dbschenker.com/Apipartner/swagger/ui/index

1.4 Authentication API-access

To access the API and methods in this document, registration is required via below access request link:
https://forms.office.com/e/NbMeZaDm4c

Access requires email address to enable communication of future updates and modifications.

NOTE

- *API credentials assigned to system providers with a central SAAS solution use the assigned API credentials for all customers in the same system solution.*

Authentication API-access alternative:
In API-request choose authentication solution in header based on below alternative.

Alternative 1:
Use basic authentication in header according to below:

Json/XML Header:	Value:	Username:	Apikey	Example:
Authorization	Basic MDA3Om15YXBpa2V5	Your ID	Your secret API-key	"007:myapikey" -> base64encoded -> "MDA3Om15YXBpa2V5" Send as header "Authorization" with value "Basic " + base64encoded string.

Alternative 2:
Use API credentials (User ID and Key) in request as calculated hash according to information in 1.2 Getting Started

1.5 Checkout information and requirements

a) DB Schenker logotype is required in the checkout solution, according to: www.schenker.se/checkout

b) Other checkout information and requirements regarding DB SCHENKER*parcel ombud,* DB SCHENKER*sparcel* with option Collect at terminal and DB SCHENKER*system* with option Collect at terminal deliveries, see product information via: 1.1. Transport product information

1.6 Scheduling - Calculate transport days

To calculate number of transport days from pickup location zip code, e.g. your warehouse, to chosen Parcel ombud or Terminal collection point delivery zip code, integrate to DB Schenker Scheduling-API based on schedule for:

- Parcel ombud = DB SCHENKER*parcel* scheduling service code 90
- Parcel with option Collect at terminal = DB SCHENKER*parcel* scheduling service code 90
- System with option Collect at terminal = DB SCHENKER*system* scheduling service code 43

Scheduling-API specification: www.schenker.se/api

1.7 Tracking – HTML-link and API solution

To create HTML-link to a Shipment-/Package-ID in our Tracking, or to integrate the Tracking-API.
Tracking solutions and Tracking specification: www.schenker.se/api

2 Method – GetNearestServicePoint

2.1 Information – GetNearestServicePoint

The Collection Point-API solution GetNearestServicePoint returns a list of nearby Collection Points based on elements send in the request, example postal code.

To choose a Collection Point automatically, enter the consumer's Country code and Postal code, or additional elements, and then use the first item of the list. This will return the Collection Point with the least distance to the consumer.

2.2 Request Element - GetNearestServicePoint

Json/XML:	Description:	Element:	Example:
CountryCode	Receivers/Consumers Country code	Mandatory	"SE"
PostalCode	Receivers/Consumers Postal code	Mandatory*1	"12535"
StreetAddress	Receivers/Consumers Street address	Optional	"Jultomtestigen 3"
City	Receivers/Consumers City	Mandatory*1	"Älvsjö"
Amount	Number of max Collection Point listed in response	Mandatory	"5"

*1 Either Postal code or City is required (Postal code is recommended)

2.3 Endpoint links - GetNearestServicePoint

Swagger link:
See 1.3 Help, example request, Postman example and Swagger

Test Endpoint API page:
https://staging-parcelservices-se.dbschenker.com/Apipartner/Help/Api/POST-DeliveryPoint-v3-GetNearestServicePoint

Test Endpoint link:
https://staging-parcelservices-se.dbschenker.com/Apipartner/DeliveryPoint/v3/GetNearestServicePoint

Production Endpoint API page:
https://parcelservices-se.dbschenker.com/Apipartner/Help/Api/POST-DeliveryPoint-v3-GetNearestServicePoint

Production Endpoint Link:
https://parcelservices-se.dbschenker.com/Apipartner/DeliveryPoint/v3/GetNearestServicePoint

2.4 Response Elements - GetNearestServicePoint

The response returns a list of Collection Points based on consumer address in request.

Note: The response returns a list of Collection Points sorted based on closest distance.

Json/XML first level:	Json/XML second level:	Description and example:	Handle to Transport system/order:
Name		Name of Collection Point	No
DeliveryType		Not used	-
Addresses		Object containing Collection Point address data	-
	AddressType	"Primary" (Default)	No
	AddressId	Collection Point ID Example "0276"	Yes, Mandatory Collection Point address data
	MailingAddress	Object containing Collection Point address data	-
	Name	Name of Collection Point Example "NäraDej"	Yes, Mandatory Collection Point address data
	CoAddress	Not used	-
	AddressLine1	Street address line 1 to Collection Point Example "Annebodavägen 31"	Yes, Mandatory Collection Point address data
	AddressLine2	Street address line 2 to Collection Point. Can contain additional address data Example "Liseberg"	Yes, Mandatory Collection Point address data (if exists in response)
	City	Postal code of Collection Point Example "Älvsjö"	Yes, Mandatory Collection Point address data
	PostalCode	City of Collection Point. Example "12546"	Yes, Mandatory Collection Point address data
	CountryCode	Country Code of the Collection Point Example "SE"	Yes, Mandatory Collection Point address data
GeoPoint		Object containing Collection Point GeoPoint data*	-
	Latitude	GPS Latitude of the Collection Point* Example "59.2876921459398"	No, can be used in check-out solution

	Longitude	GPS Longitude of the Collection Point* Example "18.0262314344871"	No, can be used in check-out solution
OpeningHoursShort		Opening hours of the Collection Point in one element Example: "M-F 9-20 L 10-19 S 10-18",	No, can be used in check-out solution
OpeningHoursRow1		Opening hours of the Collection Point in tree elements, row 1 of 3 Example "M-F 9-20"	No, can be used in check-out solution
OpeningHoursRow2		Opening hours of the Collection Point in tree elements, row 2 of 3 Example "L 10-19 "	No, can be used in check-out solution
OpeningHoursRow3		Opening hours of the Collection Point in tree elements, row 3 of 3 Example "S 10-18"	No, can be used in check-out solution
OpeningDays		Object containing Collection Point opening days data	-
	Day	"Sunday", "Monday" etc. (Repeated per day)	No, can be used in check-out solution
	DisplayName	"Söndag", "Måndag" etc. (Repeated per day)	No, can be used in check-out solution
	OpeningHours	Object containing Collection Point opening hours data for each day	-
	From	Collection Point opening hours data Example "10:00"	No, can be used in check-out solution
	To	Collection Point closing hours data Example "18:00"	No, can be used in check-out solution
HasPrinter		“true” (or “false”)	No, can be used on other DB Schenker product/solution
DeliveryData		Not used	-

NOTE

* GeoPoint data is not returned in GetServicePoint and GetAllServicePoints.

To handle above response to your transport system, label and transport order to DB Schenker Sweden, contact your system provider for specifications related to DB SCHENKER*parcel ombud*.

2.5 Error handling

According to error information and handling on:
https://parcelservices-se.dbschenker.com/Apipartner/Help/Api/POST-DeliveryPoint-v3-GetNearestServicePoint

3 Method – GetServicePoint

3.1 Information – GetServicePoint

The GetServicePoint method returns information about a specific Collection Point ID* and can be used to validate Collection Point ID* before transport order for DB SCHENKER*parcel ombud* is created and transferred to DB Schenker.

GetServicePoint can also be used to add Collection Point address data* to transport order, if not stored on customer order in ERP to transport order system before transport order for DB SCHENKER*parcel ombud* is created and transferred to DB Schenker.

NOTE
** GetServicePoint – do not support DB SCHENKERparcel-/system with option Collect at terminal with option Collect at terminal Collection Point data!*

3.2 Request Element - GetServicePoint

Json/XML:	Description	Mandatory:	Example:
countryCode	Receivers/Consumers Country code	Yes	"SE"
servicePointNumber	Collection Point ID	Yes	"0276"

1*: To obtain an access key to GetServicePoint, see chapter 1.3

3.3 Endpoint links - GetServicePoint

Swagger link:
See 1.3 Help, example request, Postman example and Swagger

Test Endpoint API page:
https://staging-parcelservices-se.dbschenker.com/Apipartner/Help/Api/GET-DeliveryPoint-v3-GetServicePoint_countryCode_servicePointNumber

Test Endpoint link:
https://staging-parcelservices-se.dbschenker.com/Apipartner/DeliveryPoint/v3/GetServicePoint?countryCode=%7bcountryCode%7d&servicePointNumber=

Production Endpoint API page:
https://parcelservices-se.dbschenker.com/Apipartner/Help/Api/GET-DeliveryPoint-v3-GetServicePoint_countryCode_servicePointNumber

Production Endpoint Link:
https://parcelservices-se.dbschenker.com/Apipartner/DeliveryPoint/v3/GetServicePoint?countryCode=%7bcountryCode%7d&servicePointNumber=

3.4 Response Element - GetServicePoint

See chapter 2.4 Response Elements for Collection Point

3.5 Error handling

According to error information and handling on:
https://parcelservices-se.dbschenker.com/Apipartner/Help/Api/GET-DeliveryPoint-v3-GetServicePoint countryCode servicePointNumber

4 Method – GetAllServicePoints

4.1 Information – GetAllServicePoints

The GetAllServicePoints method returns information about all Collection Point ID and adressdata* and can be used to validate Collection Point ID* before transport order for DB SCHENKER*parcel ombud* is created and transferred to DB Schenker.

GetServicePoint can also be used to add Collection Point address data* to transport order, if not stored on customer order in ERP to transport order system before transport order for DB SCHENKER*parcel ombud* is created and transferred to DB Schenker.

IMPORTANT
If collection point data is stored/cached, it's required to update and download new data from the used method every 12 hours (max cache is 12 ours), due to that updates to remove, add and change data take place continuously every day.

NOTE
** GetAllServicePoints – don't support DB SCHENKERparcel-/system with option Collect at terminal Collection Point data!*

4.2 Request Element - GetAllServicePoints

Json/XML:	Description	Mandatory:	Example:
countryCode	Receivers/Consumers Country code	Yes	"SE"

1*: To obtain an access key to GetAllServicePoints, see chapter 1.3

4.3 Endpoint links - GetAllServicePoints

Swagger link:
See 1.3 Help, example request, Postman example and Swagger

Test Endpoint API page:
https://staging-parcelservices-se.dbschenker.com/Apipartner/Help/Api/GET-DeliveryPoint-v3-GetAllServicePoints countryCode

Test Endpoint link:
https://staging-parcelservices-se.dbschenker.com/Apipartner/DeliveryPoint/v3/GetAllServicePoints?countryCode=

Production Endpoint API page:
https://parcelservices-se.dbschenker.com/Apipartner/Help/Api/GET-DeliveryPoint-v3-GetAllServicePoints_countryCode

Production Endpoint Link:
https://parcelservices-se.dbschenker.com/Apipartner/DeliveryPoint/v3/GetAllServicePoints?countryCode=

4.4 Response Element - GetAllServicePoints

See chapter 2.4 Response Elements for Collection Point

4.5 Error handling

According to error information and handling on:
https://parcelservices-se.dbschenker.com/Apipartner/Help/Api/GET-DeliveryPoint-v3-GetAllServicePoints_countryCode

5 Method – GetNearestTerminal

5.1 Information – GetNearestTerminal

The Collection Point solution GetNearestTerminal returns a list of nearby Terminal Collection points, used for DB SCHENKER*parcel* with option Collect at terminal and DB SCHENKER*system* with option Collect at terminal, based on elements send in the request, example postal code.

To choose a Terminal Collection Point automatically, enter the consumer's Country code and Postal code (or more elements) and then use the first item of the list. This will return the Terminal Collection Point with the least distance to the consumer.

5.2 Request Element - GetNearestTerminal

Json/XML:	Description:	Element:	Example:
CountryCode	Receivers/Consumers Country code	Mandatory	"SE"
PostalCode	Receivers/Consumers Postal code	Mandatory*1	"12535"
StreetAddress	Receivers/Consumers Street address	Optional	"Jultomtestigen 3"
City	Receivers/Consumers City	Mandatory*1	"Älvsjö"
Amount	Number of max Terminal Collection Point listed in response	Mandatory	"5"

*1 Either Postal code or City is required (Postal code is recommended)

5.3 Endpoint links - GetNearestTerminal

Swagger link:
See 1.3 Help, example request, Postman example and Swagger

Test Endpoint API page:
https://staging-parcelservices-se.dbschenker.com/Apipartner/Help/Api/POST-DeliveryPoint-v3-GetNearestTerminal

Test Endpoint link:
https://staging-parcelservices-se.dbschenker.com/ApiPartner/DeliveryPoint/v3/GetNearestTerminal

Production Endpoint API page:
https://parcelservices-se.dbschenker.com/Apipartner/Help/Api/POST-DeliveryPoint-v3-GetNearestTerminal

Production Endpoint Link:
https://parcelservices-se.dbschenker.com/Apipartner/DeliveryPoint/v3/GetNearestTerminal

5.4 Response Elements – GetNearestTerminal

The response returns a list of Terminal Collection Points based on consumer address in request.

Note: The response returns a list of Terminal Collection Points sorted based on closest distance.

Json/XML first level:	Json/XML second level:	Description and example:	Handle to Transportsystem/ order:
Name		Name of Terminal Collection Point	No
DeliveryType		Not used	-
Addresses		Object containing Terminal Collection Point address data	-
	AddressType	"SERVICEPOINT" (Default)	No
	AddressId	Terminal Collection Point ID Example "0133"	No
	MailingAddress	Object containing Terminal Collection Point address data	-
	Name	Name of Terminal Collection Point Example "DB Schenker Terminal"	Yes, Mandatory Terminal Collection Point address data
	CoAddress	Not used	-
	AddressLine1	Street address line 1 to Terminal Collection Point Example "Almnäsvägen 20"	Yes, Mandatory Terminal Collection Point address data
	AddressLine2	Street address line 2 to Terminal Collection Point. Can contain additional address data Example "Almnäs"	Yes, Mandatory Collection Point address data (if exists in response)
	City	Postal code of Terminal Collection Point Example "Södertälje"	Yes, Mandatory Collection Point address data
	PostalCode	City of Terminal Collection Point. Example "15166"	Yes, Mandatory Collection Point address data
	CountryCode	Country Code of the Terminal Collection Point Example "SE"	Yes, Mandatory Collection Point address data
GeoPoint		Object containing Terminal Collection Point GeoPoint data	-

	Latitude	GPS Latitude of the Terminal Collection Point Example "59,1766312551473"	No, can be used in check-out solution
	Longitude	GPS Longitude of the Terminal Collection Point Example "17,5214644370436"	No, can be used in check-out solution
OpeningHoursShort		Opening hours of the Terminal Collection Point in one element Example: "M-F 9-20 L 10-19 S 10-18",	No, can be used in check-out solution
OpeningHoursRow1		Opening hours of the Terminal Collection Point in tree elements, row 1 of 3 Example "M-F 9-20"	No, can be used in check-out solution
OpeningHoursRow2		Opening hours of the Terminal Collection Point in tree elements, row 2 of 3 Example "L 10-19 "	No, can be used in check-out solution
OpeningHoursRow3		Opening hours of the Terminal Collection Point in tree elements, row 3 of 3 Example "S 10-18"	No, can be used in check-out solution
OpeningDays		Object containing Terminal Collection Point opening days data	-
DeliveryData		Not used	-
	DataType	Not used	-
	Value	Not used	-

To handle above response to your transport system, label and transport order to DB Schenker Sweden, contact your system provider for specifications related to DB SCHENKER*parcel-/system* with option Collect at terminal.

5.5 Error handling

According to error information and handling on:
https://parcelservices-se.dbschenker.com/Apipartner/Help/Api/POST-DeliveryPoint-v3-GetNearestTerminal

6 Support & Revision notes

6.1 Support

Support questions related to the API solution and documentation:
agi@dbschenker.com

6.2 Revision notes

Changes in the document:

Version:	Notes:	Date:
1.3.1	New document layout and clarifications	2021-02-03
1.4.0	1. Changed information for Collection Point Finland 2. Add information about DB Schenker transport products that the API and documentation supports 3. Add information what the API solutions can be used for 4. Add Checkout requirements and information 5. Add Scheduling and Tracking links 6. Removed old transport order information	2023-03-07
3.0.0	New Collection Point solution, Endpoint and documentation released	2023-05-09
3.1.0	1. Update in 1. General information 2. New method in content 4. Method GetNearestTerminal 3. Clarification in 1.3 Authentication related to system providers 4. Updated new staging HTTPS-link for all Methods 5. Updated links to DB Schenker Sweden homepage	2023-05-29
3.2.0	1. Removed information related to DB SCHENKER*system terminalombud* and information about DB SCHENKER*system* with option Collect at terminal 2. Add link in 1.2 Getting started for authorizations information details 3. Add table 1.3 Help and examples	2023-10-09
3.3.0	Update in “1.3. Help, example request and Postman example”, add info related to: 1. Postman example added on example help page 2. Swagger links added Update in “1.4 Authentication API-access”, add info related to: 1. New authentication API-access alternative to simplify access	2023-12-05

3.3.1	1. Clarification in 1.3 related to Postman authentication 2. “2.3 Endpoint links – GetNearestServicePoint” corrected for “Test Endpoint link”	2024-02-09
3.4.0	Added chapter 4. Method – GetAllServicePoints, as alternative to GetServicePoint Add information in 1. General information related to max storage/cache of collection point data Add information in 2.4 Response Elements – GetNearestServicePoint, that GeoPoint data is not returned in GetServicePoint and GetAllServicePoints. Add information in 1. General information, 1.1 Transport product information, 1.5 Checkout information, 1.6 Scheduling - Calculate transport days and requirements and 5.1 Information – GetNearestTerminal that solution also supports DB SCHENKER*parcel* with option Collect at terminal	2024-05-31