

SUNCOR ENERGY PRODUCT PARTNERSHIP

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SPOL API Guide

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# **SPOL API Guide**

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Amendment History – Document Status





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## Introduction

**S** POL API is a backend application interface provided by the Suncor's Digital Products Division that provides digital infrastructure to our customers, enabling them manage their SuperPass Cards and access reports in a more effective and automated way. This API will provide the subset of similar functionality available on the [Superpass Online website](#).

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### ICON KEY

	Valuable information
	Definition
	Keyboard exercise
	Workbook review

**The conventions** used in this guide will help you to recognize valuable information such as “References” or links to more information, “Definitions” and “Important Notes” – which are to be found in the margins.

### **More info**

*Additional information you should know or links to references / other modules*

### **Notes & Definitions**

Any key terms or concepts that will be frequently used throughout this module

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### **IMPORTANT NOTES**

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NEW SPOL  
USER ID TO  
BE CREATED  
ON SPOL BY  
COMPANY  
ACCOUNT  
ADMIN/FLEET  
MANAGER

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FLEET  
MANAGER  
WILL  
CONTINUE TO  
MANAGE THIS  
NEW SERVICE  
ACCOUNT TO  
PROVIDE  
ACCESS TO  
ANY  
ADDITIONAL  
ACCOUNTS  
BEING ADDED  
LATER

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## Using SPOL API

Please see itemized below, the path to access SPOL API.

The steps are as follows:

1. Create new Service User Account via [Superpass Online website](#). SPOL User ID created is to be used for the sole purpose of access to API
2. Contact Suncor Support team [digitalproducts-commercialpayments@suncor.com](mailto:digitalproducts-commercialpayments@suncor.com) with the following details to have the API set-up
  - a. New SPOL User account details
  - b. Contact information (Name, Email and Phone Number) of Dev/Support team.
3. Follow the instructions outlined in this document and specifications listed in YAML file (*see module 2*) to build the code to send and receive data.
4. Test the features in UAT environment (*see UAT details on page 3*). Actions performed in the UAT environment is solely for testing purposes and will not result in any cards being embossed or sent to the customer.
5. After testing is successful, a suitable date to commence production will be agreed. Production access will be enabled by the Suncor support team on the agreed date.

### Notes & Definitions

API : Application Programme Interface

### More info

*This API is not IP restricted and does not require IP whitelisting*

## How the API works

As is typical of all APIs, the SPOL API is made up of two elements:

1. a specification file describing the exchange of information in the form of a request for processing and a return of the necessary data; and
2. a software interface written to that specification and published for use

### Details of the Specification File

Refer the attached YAML file for detailed specs. This spec should be opened using <https://editor.swagger.io/> or similar swagger tool.

### SPOL Yaml Spec

### Integration to Software Interface

To commence integration an *authorize request* with Basic authorization header containing Base64 encoded *username: password* would need to be sent by the User.

This action will provide a JWT token which needs to be used as Bearer authorization header for all subsequent requests. This token will expire in 30 minutes and a new token needs to be obtained if/when token expires.

Please note that all the APIs will have its own business rules to either allow the request or throw error. If request is successful, it will respond with 200 (Success) response. Details of an error will be provided if an error occurs.

For example, a hold request is sent for a card via API that card is already in a hold or cancelled status. Error report received would state that *“This card is not currently active. Unit No XXXX”*.

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### Server Details

## SPOL API GUIDE

UAT (Test) Environment	<a href="https://spolapi-uat.suncor.com">https://spolapi-uat.suncor.com</a>
Production Environment	<a href="https://spolapi.suncor.com">https://spolapi.suncor.com</a>



## List of APIs

Below is the current list of APIs exposed for usage:

### 1. Authorization

This API provides the authorization to call all other subsequent APIs. This will accept the Base64 encoded <username>:<password> of the service account as an authorization header. If user is valid, this will respond with list of authorized accounts for the user along with response authorization header with JWT. This JWT needs to be passed as Authorization header for all subsequent API calls. This JWT will expire in 30 minutes and new token needs to be obtained to call APIs again.

### 2. Generate card number(s)

This API provides a way to generate card numbers. API will not modify any data in the account, it will only generate card numbers that can be used to *Order new cards/Replacement cards*. If customer prefers to maintain or generate the card number(s) on their own, this API can be skipped.

### 3. Order New Cards with card number

This API allows for ordering of a new card(s). If card numbers were generated as per step 2 listed above, these numbers would need to be passed and called to create the specific card(s). It is not mandatory to call generate cards (*no. 2*), the new card numbers provided just need to be available for this API will work.

Model card number is required to replicate the profile of one card (model card) on another. This API would not work for the very first card creation for the account as the creation of a first card that would serve as the *model card* is mandatory.

Please work with credit agents to create the first card on an account.

Please note that if the card is MULTI Pin card, all active drivers from model card will be copied to new card as well.

### 4. Order New Cards by count

This API works like the *order new card with card number* step outlined above. Difference is that this function will auto generate new card(s) based on count and not card number, in addition, it replicates embossing lines. If the card information required needs to be unique use preceding API *order new card with card number*.

### **5. Hold /Release cards**

This API allows the card(s) to be temporarily held (de-activated) or released (re-activated)

### **6. Report Lost or Stolen card**

This API allows a card to be reported as lost or stolen. This can also accept replacement card details if a replacement required.

### **7. Replace Card**

This API allows a card to be replaced with a new card. This does not need any Lost or Stolen details.

### **8. Permanent Cancel Card**

This API allows a card to be permanently cancelled.

### **9. Pin Change (Normal Pin Cards)**

This API allows pin changes for normal PIN cards. A normal pin card is a card which has only single PIN. Some customers use a Multi Pin card, this allows for each driver to have their own unique PIN linked back to one SuperPass card. Multi Pin cards are not allowed on this API.

### **10. Add/Delete Drivers to Single Multi PIN card**

This API allows for the addition/deletion of driver PINs on a single multi-PIN card. This will allow to add/delete multiple drivers at a same time on a single card.

### **11. Add/Delete/Change single Driver to Range of Multi PIN cards**

This API allows PIN addition/deletion/change (i.e., Driver addition/deletion) to a set of multi-PIN cards specified by FROM and TO range. This will allow to add/delete/change a single driver (PIN) to a lot of cards at the same time.

### **12. Driver Name change - Single card (Normal or Multi Pin)**

This API allows name change of a driver on a single card.

### **13. Driver Name change - List of normal Pin card(s)**

This API allows name change of a driver to list of normal pin cards.

### **14. Driver name change - Multi Pin card range**

This API allows name change of a driver identified by PIN number to a range of multi pin cards.

### **15. Custom Billing - Download Latest**

This API allows customers download the latest special custom billing file. Special billing files contain all transaction in a DATA file. Not all customers are

configured to have custom billing. This API will only fetch custom billing file if the account had been set-up to receive custom billing files on SPOL.

### **16. Custom Billing - List of Files**

This API will list all the available files on an account. 2 -3 months of data would be available for listing.

### **17. Custom Billing - Download by file name**

This API is like download latest custom billing file API. Instead of latest file, it downloads the file based on name.

#### **Notes & Definitions**

This is an ongoing project and features and functions will be added at regular intervals. Please check with the support team for latest specification. Breaking specification changes will be communicated in advance for these changes to be coordinated and tested.