



# *effective*

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## **API Rest para Sell-out e Estoque** Especificação Técnica

**Empresa:** Michelin – Brasil

**Controle:** Confidencial – Empresa

**Tipo:** Especificação Técnica [v1.1]

**Projeto:** MICHELIN – Portal Rede Michelin

## 1.1 PREMISSAS PROJETO

- 1) O acesso à API e uso da plataforma de integração de informações de Sell-out deve ocorrer:
  - a. Através de um controle de acesso com a geração de um TOKEN BASIC específico para cada Distribuidor (Grupo de Revendas)
  - b. Com a validação das revendas (ERP) enviados via integração para apenas as revendas associadas ao TOKEN disponível a cada distribuidor
- 2) Deve ser implementado um log de envio/tentativa e consumo da API

## 1.2 FLUXOS DA API

Lista de fluxos principais para consumo por aplicações terceiras:

### 1.2.1 AUTORIZAÇÃO DE USO DA API

- 1) Distribuidor deve solicitar o TOKEN (Login + Senha) de autorização ao Suporte da Effetive Sistemas através do e-mail [suporte@effetive.com.br](mailto:suporte@effetive.com.br) incluindo o RC Michelin em cópia da solicitação
- 2) Equipe de Suporte Effetive irá gerar um TOKEN BASIC de autorização que deve ser usado como Authorization: Basic <token>
- 3) BASIC TOKEN é gerado no formado LOGIN:SENHA em Base64
- 4) Acesso e consumo da API. Para cada chamada a endpoints da API deve ser passado o token como Authorization header de cada requisição
  - a. Exemplo: Authorization: BASIC 123

### 1.2.2 ENDPOINTS

- 1) <https://www.redemichelin.com.br/PIMI/apidata/rest/sellout/insert> -> Inserir vendas sell-out
- 2) <https://www.redemichelin.com.br/PIMI/apidata/rest/sellout/delete> -> Cancelar uma venda
- 3) <https://www.redemichelin.com.br/PIMI/apidata/rest/inventory/insert> -> Carga de inventário de um dia

### 1.2.3 FLUXO SELL-OUT – INSERINDO VENDAS

<https://www.redemichelin.com.br/PIMI/apidata/rest/sellout/insert> -> Inserir vendas sell-out

Insert a new sale in the Michelin's Portal

## Request

### Body

application/json ▾

Sell-out model and fields

<b>erp</b>	integer	required
Unique identification code for a Resell/Ship To. ERP code is an internal ID provide by Michelin to identify the place where the sale was created. The Resell/ShipTo must be part of a Dealer of Resell Group (Bill To) for Michelin.		
<b>day</b>	integer	required
Day of the sale		
<input type="text" value="≥ 1"/> <input type="text" value="≤ 31"/>		
<b>month</b>	integer	required
Month of the sale		
<input type="text" value="≥ 1"/> <input type="text" value="≤ 12"/>		
<b>year</b>	integer	required
Year of the sale		
<input type="text" value="≥ 2022"/> <input type="text" value="≤ 2050"/>		
<b>cai_mspn_michelin</b>	string	required
CAI or MSPN number. Unique identification of the Michelin's Product. This number is part of the Michelin's Catalog.		
<input type="text" value="≤ 8 characters"/>		
<b>quantity</b>	integer	required
Quantity sold		
<input type="text" value="≥ 1"/> <input type="text" value="≤ 9999"/>		
<b>unit_price</b>	number	
Price of one unit sold. This value must be only numbers and in the local currency of the country where the product was sold. IMPORTANTE: use the dot character "." as decimal separator and DO NOT format this value. Ex: 8987.50		
<b>receipt</b>	string	required
Receipt number or transaction record. It is the identification of this sale transaction. It is group of <receipt_item>		
<b>receipt_item</b>	string	required
Number of the item in the same . This field identify unically the item inside a sale of multiples products. Can be a sequence number in the same		
<b>is_retail</b>	boolean	
Indicate that this sale is RETAIL CHANNEL. <USED ONLY BY México>		
Default: <input type="text" value="false"/>		

<b>is_ecommerce</b>	boolean	
Indicate that this sale is ECOMMERCE CHANNEL. <USED ONLY BY México>		
Default:	<input type="checkbox"/> false	
<b>seller_name</b>	string	
Name of the Seller responsible by the sale		
<b>customer_type</b>	string	required
Customer type to classify in Personal or Company. (F) for a person ; (J) for a company		
Allowed values:	<input type="checkbox"/> F <input type="checkbox"/> J	
<b>customer_identification</b>	string	required
Identification number of the customer in your country. Ex: CPF/CNPJ (Brazil) or RUC/RUT/NIT/RUK. This number will identify unically this customer		
<b>customer_name</b>	string	required
Full customer name		
<b>customer_state</b>	string	required
Name of the State where the customer is located. State or Region name		
<b>customer_city</b>	string	
City name		
<b>customer_zipcode</b>	string	
Zipcode number		
<b>customer_address</b>	string	
Customer address		
<b>customer_address_extra</b>	string	
Extrta field for address		
<b>customer_neighborhood</b>	string	
Customer neighborhood		
<b>customer_phone_country_code</b>	string	
International country code		
<b>customer_phone</b>	string	
Customer phone number		
<b>customer_cellphone_country_code</b>	string	
International country code		
<b>customer_cellphone</b>	string	
Customer Cellphone number		
<b>customer_email</b>	string	
customer e-mail		
<b>additional_info</b>	string	
Free text field for additional information		

## Responses

200 401 403

- HTTP 200 -> Message = Record saved successfully
- HTTP 401 -> Message = Unauthorized
- Tabela com códigos de Validação enviado via Excel\*

Exemplo JSON de Chamada – BODY – 3 Vendas:

```
{
  "sellout":
  [
    { "erp": "99999999",
      "day": "99999999",
      "month": "99999999",
      "year": "99999999",
      "cai_mspn_michelin": "99999999",
      "quantity": "99999999",
      "unit_price": "99999999",
      "receipt": "99999999",
      "receipt_item": "99999999",
      "is_retail": "N",
      "is_ecommerce": "N",
      "seller_name": "-",
      "customer_type": "J",
      "customer_identification": "99.999.999/9999-99",
      "customer_name": "-",
      "customer_state": "-",
      "customer_city": "-",
      "customer_zipcode": "-",
      "customer_address": "-",
      "customer_address_extra": "-",
      "customer_neighborhood": "-",
      "customer_phone_country_code": "99",
      "customer_phone_area_code": "9999",
      "customer_phone": "9999999999",
      "customer_cellphone_country_code": "99",
      "customer_cellphone_area_code": "99",
      "customer_cellphone": "9999999999",
      "customer_email": "-",
      "additional_info": "-"
    },
    { "erp": "99999999",
      "day": "99999999",
      "month": "99999999",
      "year": "99999999",
      "cai_mspn_michelin": "99999999",
      "quantity": "99999999",
      "unit_price": "99999999",
      "receipt": "99999999",
      "receipt_item": "99999999",
      "is_retail": "N",
      "is_ecommerce": "N",
      "seller_name": "-",
      "customer_type": "J",

```

```

        "customer_identification": "99.999.999/9999-99",
        "customer_name": "-",
        "customer_state": "-",
        "customer_city": "-",
        "customer_zipcode": "-",
        "customer_address": "-",
        "customer_address_extra": "-",
        "customer_neighborhood": "-",
        "customer_phone_country_code": "99",
        "customer_phone_area_code": "9999",
        "customer_phone": "9999999999",
        "customer_cellphone_country_code": "99",
        "customer_cellphone_area_code": "99",
        "customer_cellphone": "9999999999",
        "customer_email": "-",
        "additional_info": "-"
    ]
}

```

## 1.2.4 FLUXO SELL-OUT – CANCELANDO UMA VENDA

<https://www.redemichelin.com.br/PIMI/apidata/rest/sellout/delete> -> Cancelar uma venda

Cancel a sale

### Request

#### Body

application/json ▾

<b>erp</b>	integer	required
Unique identification code for a Resell/Ship To. ERP code is an internal ID provide by Michelin to identify the place where the sale was created. The Resell/ShipTo must be part of a Dealer of Resell Group (Bill To) for Michelin.		
<b>day</b>	integer	required
Day of the sale		
<input type="text" value="≥ 1"/> <input type="text" value="≤ 31"/>		
<b>month</b>	integer	required
Month of the sale		
<input type="text" value="≥ 1"/> <input type="text" value="≤ 12"/>		
<b>year</b>	integer	required
Year of the sale		
<input type="text" value="≥ 2022"/>		
<b>cai_mspn_michelin</b>	string	required
CAI or MSPN number of the original Sale. Unique identification of the Michelin's Product. This number is part of the Michelin's Catalog.		
<input type="text" value="≤ 8 characters"/>		
<b>quantity</b>	integer	required
Quantity of the original sale		
<input type="text" value="≥ 1"/>		
<b>receipt</b>	string	required
Receipt number or transaction record of the original sale. It is the identification of this sale transaction. It is group of <receipt_item>		
<b>receipt_item</b>	string	required
Receipt item number of original sale		
<b>customer_identification</b>	string	required
Identification number of the customer in your country. Ex: CPF/CNPJ (Brazil) or RUC/RUT/NIT/RUK. This number will identify unically this customer		
<input type="text" value="≤ 50 characters"/>		
<b>reason</b>	string	required
Reason for the sale cancelation		
<input type="text" value="≤ 500 characters"/>		

### Responses

**200** 401 403 404

- HTTP 200 -> Message = Record saved successfully
- HTTP 401 -> Message = Unauthorized

Exemplo JSON de chamada:

```
{
  "sellout":
  [
    { "erp": "99999",
      "day": "999",
      "month": "999",
      "year": "9999",
      "cai_mspn_michelin": "9999",
      "quantity": "99",
      "receipt": "9999",
      "receipt_item": "99999",
      "customer_type": "999",
      "customer_identification": "99.999.999/9999-99",
      "reason": "-"
    },
    { "erp": "99999",
      "day": "999",
      "month": "999",
      "year": "9999",
      "cai_mspn_michelin": "9999",
      "quantity": "99",
      "receipt": "9999",
      "receipt_item": "99999",
      "customer_type": "999",
      "customer_identification": "99.999.999/9999-99",
      "reason": "-"
    }
  ]
}
```

### 1.2.5 FLUXO INVENTARIO – CARGA DE INVENTÁRIO

<https://www.redemichelin.com.br/PIMI/apidata/rest/inventory/insert> -> Carga de inventário de um dia

- Cada chamada a este endpoint deverá representa uma carga completa de um inventário de uma revenda para um único dia e deve conter TODOS os produtos em estoque.
- Produtos que não existam no estoque não são necessários serem informados na requisição pois o sistema entenderá que o Estoque será 0 zero.
- HTTP 200 -> Message = Inventory saved successfully
- HTTP 401 -> Message = Unauthorized
- HTTP 403 -> Message = Forbidden. You have no permission to the ERP (Resell or Ship-to)
- HTTP 422 -> Message of data validation



Exemplo JSON de chamada:

```
{
  "inventory":
  [
    { "erp": "11111",
      "day": "4",
      "month": "12",
      "year": "2022",
      "cai_mspn_michelin": "104492",
      "quantity": "2"
    },
    { "erp": "11111",
      "day": "4",
      "month": "12",
      "year": "2022",
      "cai_mspn_michelin": "104679",
      "quantity": "2"
    },
    { "erp": "11111",
      "day": "4",
      "month": "12",
      "year": "2022",
      "cai_mspn_michelin": "104865",
      "quantity": "2"
    }
  ]
}
```

### 1.3 API

- 1) Será gerado para cada Distribuidor uma API Token para ser usado como Authorization Basic Header
- 2) Todas as chamadas devem ocorrer sempre via HTTPS
- 3) A API utilizará sempre o formato JSON como padrão
- 4) A API deve retornar códigos padrão HTTP (200, 404, 403, 401, etc...)
- 5) SERVIÇOS API (endpoints)
  - a. /apidata/rest/sellout/insert -> Inserir uma venda sell-out
  - b. /apidata/rest/sellout/delete -> Cancelar uma venda sell-out
  - c. /apidata/rest/inventory/insert -> Carga completa de um inventário