


Client WebService - Prosegur


v 6.0

August 2016

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|  PROSEGUR | Prosegur | Version: 6.0 |
| | Client Web Service | Date: 10/08/2016 |
| | | |


History

| Date | Version | Description |
|------------|---------|------------------------------|
| 11-03-2016 | 1.0 | First release. |
| 31-03-2016 | 2.0 | Second release. |
| 26-04-2016 | 3.0 | Third release. |
| 05-05-2016 | 4.0 | Error Codes |
| 27-06-2016 | 5.0 | Changes in WS Response |
| 10-08-2016 | 6.0 | Added Technical requirements |

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|--|--------------------|------------------|
|  PROSEGUR | Prosegur | Version: 6.0 |
| | Client Web Service | Date: 10/08/2016 |
| | | |

Index

| | |
|--------------------------------------|----------|
| 1. General description | 4 |
| 2. Technical requirements | 4 |
| 2.1. Protocol | 4 |
| 2.2. Security | 4 |
| 3. Interface summary | 5 |
| 3.1. Request | 6 |
| 3.1.1. Element <i>Device</i> | 6 |
| 3.1.2. Element <i>Client</i> | 7 |
| 3.1.3. Element <i>Transaction</i> | 7 |
| ○ Element <i>Totals</i> | 8 |
| ○ Element <i>Total</i> | 9 |
| ○ Element <i>TransUnits</i> | 9 |
| ○ Element <i>Mix</i> | 9 |
| 3.1.4. Element <i>AdditionalData</i> | 9 |
| ○ Element <i>Data10</i> | |
| 3.2. Response | 10 |
| 3.2.1. Element <i>ErrorData</i> | 10 |
| ○ Element <i>Error</i> | 11 |
| ○ Reserved Error Codes | 11 |
| 3.2.2. Element <i>AdditionalData</i> | 12 |
| ○ Element <i>Data12</i> | |
| 3.3. Errors | 12 |
| 3.4. WDSL | 13 |
| 3.5. Examples | 13 |

| | | |
|--|--------------------|------------------|
|  PROSEGUR | Prosegur | Version: 6.0 |
| | Client Web Service | Date: 10/08/2016 |
| | | |

1. General description

This document describes the Prosegur Client Web Service that allows notify transactions to the customer.

2. Technical requirements


This point describes the Prosegur Client Web Service technical requirements, specifically protocol and security.

2.1. Protocol

- The Prosegur Client Web Service **only Works with SOAP Protocol**.
- **REST** Web Service Client **is not configured**.

2.2. Security

- The Prosegur Client Web Service **is configured to allow SSL Security Protocol**. For implement it must provide a certificate (.cer) will be added to the Prosegur's certificates folder.
- **Basic Authentication or WSS protocol** (Username Token) **is not allowed** for Prosegur Client Web Service.

| | | |
|--|--------------------|------------------|
|  | Prosegur | Version: 6.0 |
| | Client Web Service | Date: 10/08/2016 |
| | | |

3. Interface summary


The request message includes all the information needed by the client to identify the transaction.

The message is structured in four elements.

- *Device*
- *Client*
- *Transaction*
- *AdditionalData*

The response element includes a main field that indicates the result of the request and two additional elements:

- *ErrorData*
- *AdditionalData*


| | | |
|--|--------------------|------------------|
|  PROSEGUR | Prosegur | Version: 6.0 |
| | Client Web Service | Date: 10/08/2016 |
| | | |

3.1. Request

| Schema | | | |
|--|---------|---------|------------------------------------|
| <pre> <xs:element name="CashTransactionRequest"> <xs:complexType> <xs:sequence> <xs:element ref="Device"/> <xs:element ref="Client"/> <xs:element ref="Transaction" maxOccurs="unbounded"/> <xs:element ref="AdditionalData" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre> | | | |
| Element Name | Card. | Type | Description |
| Device | {1,1} | complex | Device information |
| Client | {1,1} | complex | Client information |
| Transaction | {1,unb} | complex | Transaction done in the device |
| AdditionalData | {0,1} | complex | Optional list of pairs field-value |

3.1.1. Element Device

| Schema | | | |
|--|-------|--------|---|
| <pre> <xs:element name="Device"> <xs:complexType> <xs:sequence> <xs:element name="CountryId" type="xs:string" /> <xs:element name="TimeZone" type="xs:string" /> <xs:element name="Delegation" type="xs:string" /> <xs:element name="DeviceId" type="xs:string" /> <xs:element name="DeviceName" type="xs:string" minOccurs="0" /> <xs:element name="DeviceType" type="xs:string" minOccurs="0" /> </xs:sequence> </xs:complexType> </xs:element> </pre> | | | |
| Element Name | Card. | Type | Description |
| CountryId | {1,1} | string | Country identification, ISO 3166-1 two-letter country code. |

| | | |
|--|--------------------|------------------|
|  PROSEGUR | Prosegur | Version: 6.0 |
| | Client Web Service | Date: 10/08/2016 |
| | | |


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|------------|-------|--------|---|
| TimeZone | {1,1} | string | GMT Time zone where the device is located. |
| Delegation | {1,1} | string | Delegation of the device. |
| DeviceId | {1,1} | string | Numeric code that uniquely identifies the device. |
| DeviceName | {0,1} | string | Name of the device. |
| DeviceType | {0,1} | string | Type of the device. (ACCEPTOR or RECYCLER) |

3.1.2. Element *Client*

| Schema | | | |
|---|-------|--------|--|
| <pre> <xs:element name="Client"> <xs:complexType> <xs:sequence> <xs:element name="Customer" type="xs:string" /> <xs:element name="Teller" type="xs:string" /> <xs:element name="TellerName" type="xs:string" minOccurs="0" /> </xs:sequence> </xs:complexType> </xs:element> </pre> | | | |
| Element Name | Card. | Type | Description |
| Customer | {1,1} | string | Customer Name associated with the device. |
| Teller | {1,1} | string | Login of the user who has carried out the transaction. |
| TellerName | {0,1} | string | Name of the user who has carried out the transaction. |

3.1.3. Element *Transaction*

| Schema | | | |
|--|--|--|--|
| <pre> <xs:element name="Transaction"> <xs:complexType> <xs:sequence> <xs:element name="TransType" type="tType" /> <xs:element name="TransactionId" type="xs:string" /> <xs:element name="ReceiptNumber" type="xs:string" minOccurs="0" /> <xs:element name="Date" type="xs:string" /> <xs:element name="Time" type="xs:string" /> <xs:element name="Totals" maxOccurs="unbounded"> <xs:complexType> <xs:sequence maxOccurs="unbounded"> </pre> | | | |

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|---|--------------------|------------------|
|  | Prosegur | Version: 6.0 |
| | Client Web Service | Date: 10/08/2016 |
| | | |

```


<xs:element name="Total">
  <xs:complexType>
    <xs:attribute name="Amount" type="xs:long" />
    <xs:attribute name="Currency" type="xs:string" />
  </xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="TransUnits" maxOccurs="unbounded">
  <xs:complexType>
    <xs:sequence maxOccurs="unbounded">
      <xs:element name="Mix">
        <xs:complexType>
          <xs:attribute name="BarCode" type="xs:string" />
          <xs:attribute name="Currency" type="xs:string" />
          <xs:attribute name="Denomination" type="xs:string" />
          <xs:attribute name="NumItems" type="xs:int" />
          <xs:attribute name="Total" type="xs:long" />
          <xs:attribute name="Type" type="unitType" />
        </xs:complexType>
      </xs:element>
    </xs:sequence>
    <xs:attribute name="Boxname" type="boxType" />
  </xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>

```

| Element Name | Card. | Type | Description |
|---------------|---------|------------|--|
| TransType | {1,1} | tType | Identifies the transaction type. (CASHIN, CASHOUT, SHIPIN, SHIPOUT, MOVEIN, MOVEOUT, BBALANCE, EBALANCE) |
| TransactionId | {1,1} | string | Unique transaction identifier. Format yyyyMMddHHmmss_DeviceId_TransType |
| ReceiptNumber | {0,1} | string | Receipt number generated by the device |
| Date | {1,1} | string | Transaction date. Format dd/MM/yyyy |
| Time | {1,1} | string | Transaction time. Format HH:mm:ss |
| TransUnits | {1,unb} | TransUnits | Transaction detail. |

○ Element Totals

| Attribute Name | Card. | Type | Description |
|----------------|---------|---------|-----------------------------------|
| Total | {1,unb} | complex | List of total amounts by currency |

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|--|--------------------|------------------|
|  PROSEGUR | Prosegur | Version: 6.0 |
| | Client Web Service | Date: 10/08/2016 |
| | | |

○ Element **Total**

| Attribute Name | Card. | Type | Description |
|----------------|-------|--------|---|
| Amount | {1,1} | long | Total amount of the transaction for the currency. |
| Currency | {1,1} | string | Transaction currency identified by ISO 4217 code with 3 characters. |

○ Element **TransUnits**


| Attribute Name | Card. | Type | Description |
|----------------|---------|---------|--|
| Boxname | {0,1} | boxType | Name of the box unit. (COINACCEPTOR, COINDISPENSER, NOTEDISPENSER, NOTEACCEPTOR, DROPSAFE, TRANSPORTBOX, NOTESREJECTED, COINRECYCLER, NOTERECYCLER, CARDREADER, CHECKREADER) |
| Mix | {1,unb} | complex | List of transaction item details |

○ Element **Mix**

| Attribute Name | Card. | Type | Description |
|----------------|-------|----------|---|
| BarCode | {0,1} | string | Bag barcode in dropsafe deposits. |
| Currency | {0,1} | string | Transaction currency identified by ISO 4217 code with 3 characters. |
| Denomination | {0,1} | string | Denomination Value |
| NumItems | {0,1} | int | Number of items of a denomination. |
| Total | {0,1} | long | Transaction amount. |
| Type | {0,1} | unitType | Item type (AGGR, NOTE, COIN, CARD, CHECK) |

3.1.4. Element **AdditionalData**

| Schema |
|---|
| <pre> <xs:element name="AdditionalData"> <xs:complexType> <xs:sequence minOccurs="0" maxOccurs="unbounded"> <xs:element name="Data"/> <xs:complexType> <xs:sequence> <xs:element name="Field" type="xs:string" /> <xs:element name="Value" type="xs:string" /> </xs:sequence> </xs:complexType> </xs:sequence> </xs:complexType> </xs:element> </pre> |

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|--|--------------------|------------------|
|  PROSEGUR | Prosegur | Version: 6.0 |
| | Client Web Service | Date: 10/08/2016 |
| | | |

| <pre> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre> | | | |
|---|---------|---------|------------------------------------|
| Element Name | Card. | Type | Description |
| Data | {0,unb} | complex | Optional list of pairs Field-Value |

○ **Element *Data***


| Element Name | Card. | Type | Description |
|--------------|-------|--------|--------------|
| Field | {1,1} | string | Field name. |
| Value | {1,1} | string | Field value. |

3.2. Response

| Schema | | | |
|--|-------|------------|---|
| <pre> <xs:element name="CashTransactionResponse"> <xs:complexType> <xs:sequence> <xs:element name="Result" type="resultType" minOccurs="1" /> <xs:element ref="ErrorData" minOccurs="0"/> <xs:element ref="AdditionalData" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre> | | | |
| Element Name | Card. | Type | Description |
| Result | {1,1} | resultType | Result (0, E1001, E2001) |
| ErrorData | {0,1} | complex | Optional list of pairs ErrorCode-ErrorDescription |
| AdditionalData | {0,1} | complex | Optional list of pairs Field-Value |

3.2.1. Element *ErrorData*

| Schema |
|--|
| <pre> <xs:element name="ErrorData"> </pre> |

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|--|--------------------|------------------|
|  PROSEGUR | Prosegur | Version: 6.0 |
| | Client Web Service | Date: 10/08/2016 |
| | | |

```

<xs:complexType>
  <xs:sequence minOccurs="0" maxOccurs="unbounded">
    <xs:element name="Error"/>
    <xs:complexType>
      <xs:sequence>
        <xs:element name="ErrorCode" type="xs:string" />
        <xs:element name="ErrorDescription" type="xs:string" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>

```


| Element Name | Card. | Type | Description |
|--------------|---------|---------|---|
| Error | {0,unb} | complex | Optional list of pairs ErrorCode-ErrorDescription |

○ Element **Error**

| Element Name | Card. | Type | Description |
|------------------|-------|--------|--|
| ErrorCode | {1,1} | string | Error code. <ul style="list-style-type: none"> E1100 – E1199 (Reserved) Technical error E1200 – E1299 Custom Technical error E2100 – E2199 (Reserved) Functional error E1200 – E1299 Custom Functional error |
| ErrorDescription | {1,1} | string | Error description. |

○ Reserved Error Codes

| ErrorCode | Error Type | ErrorDescription |
|-----------|--------------------------|--------------------------|
| E1101 | E1001 - Technical error | Internal Error |
| E1102 | E1001 - Technical error | Unexpected Message |
| E2101 | E2001 - Functional error | Duplicated TransactionId |
| E2102 | E2001 - Functional error | DeviceId Not Found |
| E2103 | E2001 - Functional error | Unsupported TransType |

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|--|--------------------|------------------|
|  PROSEGUR | Prosegur | Version: 6.0 |
| | Client Web Service | Date: 10/08/2016 |
| | | |

3.2.2. Element *AdditionalData*


| Schema | | | |
|---|---------|---------|------------------------------------|
| <pre> <xs:element name="AdditionalData"> <xs:complexType> <xs:sequence minOccurs="0" maxOccurs="unbounded"> <xs:element name="Data"/> <xs:complexType> <xs:sequence> <xs:element name="Field" type="xs:string" /> <xs:element name="Value" type="xs:string" /> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre> | | | |
| Element Name | Card. | Type | Description |
| Data | {0,unb} | complex | Optional list of pairs Field-Value |

○ Element *Data*

| Element Name | Card. | Type | Description |
|--------------|-------|--------|--------------|
| Field | {1,1} | string | Field name. |
| Value | {1,1} | string | Field value. |

3.3. Errors

| Code | Description |
|-------|-------------------|
| E1001 | Technical error. |
| E2001 | Functional error. |

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|--|--------------------|------------------|
|  | Prosegur | Version: 6.0 |
| | Client Web Service | Date: 10/08/2016 |
| | | |

3.4. WDSL



WSDL_Prosegur_CTr
ansaction.zip

3.5. Examples



WDSL Examples.zip