



BC Fiscal Web Service

Technical Specifications
v2.0

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BC Fiscal Web Service

Overview

BC FISCAL Web Service is designed for Point of Sales (POS) and Electronic Cash Registers (ECR) vendors, manufacturers, distributors and/or businesses that seek a seamless method of integrating the compliance with PR Tax laws and Regulations into their systems.

Methods

GetToken

Description

Get token that will identify the computer when requesting the control number. The returned token will be tied to the device name provided. To obtain a new token using the same credentials contact BC Fiscal personnel.

Parameters

Name	Type	Length	Description
taxId	String	11	The merchants' tax identification number provided by BC Fiscal.
terminalNumber	String	10	The username provided by BC Fiscal.
password	String	10	The password provided by BC Fiscal
computerName	String	255	Any kind of identification for the computer or terminal like serial number or computer name.

Returns

GetTokenResponse object containing the Token needed by the GetControlNumber method. If an error occurs, the response will include an Error Code and Description.

Name	Type	Length	Description
Token	String	10	A unique ID provided by Business Computer that identifies the POS within a location. This value must be used when calling the GetControlNumber method.
ErrorCode	String	255	Code indicating the result of the request. If no error has occurred, code will be empty. For a list of these codes and their descriptions, see Result Codes section.
ErrorMessage	String	255	Message indicating the result of the request. If no error has occurred, message will be empty.

Error Code Descriptions

The following table contains descriptions of the error codes returned in the Response object. Use the error code instead of the description when validating a request result.

Value	Description
X9	Unknown error.
V1	One of the parameters was not specified or is not valid.
V3	Reference number already exists for current batch.
T[n]	Terminal status number (n). Valid values are: <ul style="list-style-type: none"> • T1 - Terminal not found. • T2 - Token is Missing. • T3 - Terminal already have a token. • T4 - Merchant is Inactive. • T5 - Terminal is Inactive. • T6 - Invalid Username or Password.

GetControlNumber

Description

Submit a transaction type and get control number (if applies) to print on the receipt.

Parameters

Name	Type	Length	Description
token	String	10	A unique ID provided by BC Fiscal that identifies the POS within a location.
paymentMethod	String	5	Type of payment method. Valid values are: <ul style="list-style-type: none"> • CASH - Cash. • DEBT - Debit Card. • CRED - Credit Card. • EBTC - EBT Cash. • EBTF - EBT Food. • GIFT - Gift Card. • STCR - Store Credit.
authorizationType	String	2	Type of authorization. Valid values are: <ul style="list-style-type: none"> • M - Manual Online. • S - Magnetic Stripe Read Online. • I - Internet Online. • P - Phone Online. • O - Other Online. • MO - Manual Offline. • SO - Swipe Offline. • IO - Internet Offline. • PO - Phone Offline. • OO - Other Offline.
transactionDate	String	30	Date and time the transaction occurs as set on the POS. Must be UTC-4 Time zone in the following format: MM/dd/yyyy HH:mm:ss
amount	decimal		Transaction total amount including taxes. Must be a positive value.

Name	Type	Length	Description
salesAmount	decimal		Base amount without taxes (subtotal). Must be a positive value.
stateTax	decimal		Applicable State tax amount. Must be a positive value.
cityTax	decimal		Applicable City tax amount. Must be a positive value.
reducedStateTax	decimal		Applicable Reduced State tax amount. Must be a positive value.
otherAmount	decimal		Optional.
otherAmountType	String	10	Type of OtherAmount. Valid values are: <ul style="list-style-type: none"> • TP - Tip • CB - Cash Back. • SC - Service Charge. • GC - Gift Card Required if OtherAmount has any value.
authCode	String	1	Original authorization code. Valid values are: <ul style="list-style-type: none"> • I - Internet Online.
transactionType	String	2	Type of transaction. Valid values are: <ul style="list-style-type: none"> • DB - Purchase. • CR - Refund. • VP - Void Purchase. • VR - Void Refund.
referenceNumber	String	20	Transaction number or reference. Should be unique per terminal.
extData	String	MAX	Extended data in XML format. Valid values are: <ul style="list-style-type: none"> • <Program>Program Name</Program> • <Version>Program Version</Version>

Returns

GetControlNumberResponse object containing the Control Number text to print in the receipt and a Reference Number assigned by the server. If an error occurs, the response will include an Error Code and Description.

Name	Type	Length	Description
ControlNumber	String	60	The control number text to include in the receipt. Only available when transaction type is Purchase (DB) .
ErrorCode	String	255	Code indicating the result of the request. If no error has occurred, code will be empty. For a list of these codes and their descriptions, see Result Codes section.
ErrorMessage	String	255	Message indicating the result of the request. If no error has occurred, message will be empty.
ReferenceNumber	long		A unique reference number assigned by the server related to the transaction submitted.

*** If no control number is provided you must print the following text:

CONTROL: NO DISPONIBLE
 BS

Error Code Descriptions

The following table contains descriptions of the error codes returned in the Response object. Use the error code instead of the description when validating a request result.

Value	Description
X9	Unknown error.
V1	One of the parameters was not specified or is not valid.
V3	Reference number already exists for current batch.
TI	Transaction post failed.

Testing

Test credentials need to be requested to the following email: bcfiscal@bcposgroup.com

WSDL URLs

Version	Type	Url
t2	Test	https://api.bcfiscal.com/t2/Service.svc?wsdl
v2	Production	https://api.bcfiscal.com/v2/Service.svc?wsdl

Receipt Sample


The following image describes how the Control Number should be printed in a POS receipt.

Tailspin Toys
 2934 N. Main Street
 Woodinville, WA 83743
 (425) 555-0103

Sales Receipt

Transaction #: 2
 Date: 9/19/2019 Time: 12:06:09 PM
 Cashier: bc Register #: 1

Item	Description	Amount
1007	Test Item 7%	\$10.00
1015	Test Item 11.5%	\$20.00
Sub Total		\$30.00
State Tax		\$2.10
City Tax		\$0.30
Reduced State Tax		\$0.60
Total		\$33.00
Cash Tendered		\$33.00
Change Due		\$0.00


 2

Thank you for shopping
 Tailspin Toys
 We hope you'll come back soon!

CONTROL: PQ73Q-PL2NZ
 BS
 Processed by Business Computer POS